



# John Hancock Variable Insurance Trust

**Printed** May 2019

**All Funds – John Hancock Variable Insurance Trust**

Prospectus dated April 29, 2019

**American Funds Insurance Series®**

Prospectus dated May 1, 2019

**PIMCO Variable Insurance Trust**

All Asset Portfolio

Prospectus dated April 30, 2019

Certain investment options described in this prospectus may not be available to you under your policy.

**INSURANCE PRODUCTS:**

- are not a deposit or other obligation of, or guaranteed by, any bank or bank affiliate;
- are not insured by the FDIC or any other federal government agency, or by any bank or bank affiliate; and
- are subject to investment risk, including possible loss of value.



# John Hancock Variable Insurance Trust

200 Berkeley Street, Boston, Massachusetts 02116

John Hancock Variable Insurance Trust (“JHVIT” or the “Trust”) is an open-end management investment company, commonly known as a mutual fund. Shares of JHVIT are not offered directly to the public but are sold only to insurance companies and their separate accounts as the underlying investment option for variable annuity and variable life insurance contracts (“variable contracts”). JHVIT provides a range of investment objectives through separate investment portfolios or funds (each a “fund,” collectively the “funds”). The following funds are described in this Prospectus. Only Series I of certain funds have ticker symbols, which are noted below, as applicable. JHVIT offers Series NAV, Series I, Series II and Series III shares, although not all funds offer all classes of shares.

		Ticker			Ticker
Fund Name	Series I	Fund Name	Series I		
500 Index Trust	JFIVX	Lifestyle Conservative Portfolio		JHCIX	
Active Bond Trust	—	Lifestyle Growth Portfolio		JHGPX	
American Asset Allocation Trust	—	Lifestyle Moderate Portfolio		JHMPX	
American Global Growth Trust	—	Managed Volatility Aggressive Portfolio		—	
American Growth Trust	—	Managed Volatility Balanced Portfolio		JELBX	
American Growth-Income Trust	—	Managed Volatility Conservative Portfolio		JELCX	
American International Trust	—	Managed Volatility Growth Portfolio		JELGX	
Blue Chip Growth Trust	—	Managed Volatility Moderate Portfolio		JELMX	
Capital Appreciation Trust	—	Mid Cap Index Trust		JECIX	
Capital Appreciation Value Trust	—	Mid Cap Stock Trust		—	
Core Bond Trust	—	Mid Value Trust		JEMUX	
Emerging Markets Value Trust	—	Money Market Trust		JHOXX	
Equity Income Trust	—	Real Estate Securities Trust		—	
Financial Industries Trust	JEFSX	Science & Technology Trust		JESTX	
Fundamental All Cap Core Trust	JEQAX	Select Bond Trust		—	
Fundamental Large Cap Value Trust	—	Short Term Government Income Trust		—	
Global Trust	JEFGX	Small Cap Index Trust		JESIX	
Global Bond Trust	—	Small Cap Opportunities Trust		—	
Health Sciences Trust	JEHSX	Small Cap Stock Trust		JESGX	
High Yield Trust	—	Small Cap Value Trust		JESVX	
International Equity Index Trust	JIEQX	Small Company Value Trust		—	
International Growth Stock Trust	—	Strategic Income Opportunities Trust		JESNX	
International Small Company Trust	—	Total Bond Market Trust		JTBMX	
International Value Trust	—	Total Stock Market Index Trust		JETSX	
Investment Quality Bond Trust	—	Ultra Short Term Bond Trust		JUSAX	
Lifestyle Aggressive Portfolio	—	Utilities Trust		JEUTX	
Lifestyle Balanced Portfolio	JHBPX				

**Neither the Securities and Exchange Commission (the “SEC”) nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy of this Prospectus. Any representation to the contrary is a criminal offense. No person, including any dealer or salesperson, has been authorized to give any information or to make any representations, unless the information or representation is set forth in this Prospectus. If any such unauthorized information or representation is given, it should not be relied upon as having been authorized by JHVIT, the advisor or any subadvisors to JHVIT or the principal underwriter of the shares. This Prospectus is not an offer to sell shares of JHVIT in any state where such offer or sale would be prohibited.**

Beginning on January 1, 2021, as permitted by regulations adopted by the Securities and Exchange Commission, you may not be receiving paper copies of the fund’s shareholder reports from the insurance company that offers your contract unless you specifically request paper copies from the insurance company or from your financial intermediary. Instead, the shareholder reports will be made available on a website, and you will be notified by mail each time a report is posted, and be provided with a website link to access the report.

If you have already elected to receive shareholder reports electronically, you will not be affected by this change, and you do not need to take any action. You may elect to receive shareholder reports and other communications, if available, electronically by calling John Hancock at 800-827-4546 (John Hancock Life Insurance) or 800-344-1029 (John Hancock Variable Annuities) or if your policy is held through another insurance company, please contact that company.

You may elect to receive all reports in paper, free of charge, at any time. You can inform your insurance company or financial intermediary that you wish to continue receiving paper copies of your shareholder reports by following the instructions listed above. Your election to receive reports in paper will apply to all funds held with John Hancock or your financial intermediary or insurance company.

Prospectus dated April 29, 2019

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# 500 Index Trust

## Investment objective

To approximate the aggregate total return of a broad-based U.S. domestic equity market index.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.46	0.46	0.46
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
<b>Total annual fund operating expenses</b>	<b>0.55</b>	<b>0.75</b>	<b>0.50</b>
Contractual expense reimbursement <sup>1</sup>	-0.25	-0.25	-0.25
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.30</b>	<b>0.50</b>	<b>0.25</b>

<sup>1</sup> The advisor contractually agrees to reduce its management fee or, if necessary, make payment to the fund in an amount equal to the amount by which expenses of the fund exceed 0.25% of average daily net assets of the fund. For purposes of this agreement, "expenses of the fund" means all fund expenses, excluding (a) taxes, (b) brokerage commissions, (c) interest expense, (d) litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, (e) class-specific expenses, (f) borrowing costs, (g) prime brokerage fees, (h) acquired fund fees and expenses paid indirectly, and (i) short dividend expense. This agreement expires on April 30, 2020, unless renewed by mutual agreement of the advisor and the fund based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	31	51	26
<b>3 years</b>	151	215	135
<b>5 years</b>	282	392	255
<b>10 years</b>	665	907	604

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 4% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund seeks to approximate the aggregate total return of a broad-based U.S. domestic equity market index. To pursue this goal, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) at the time of investment in (a) the common stocks that are included in the S&P 500 Index and (b) securities (which may or may not be included in the S&P 500 Index) that the subadvisor believes as a group will behave in a manner similar to the index. The subadvisor may determine that the fund's investments in certain instruments, such as index futures, total return swaps and exchanged-traded funds ("ETFs") have similar economic characteristics as securities that are in the S&P 500 Index. As of February 28, 2019, the market capitalizations of companies included in the S&P 500 Index ranged from \$2.7 billion to \$865.9 billion.

An index is an unmanaged group of securities whose overall performance is used as an investment benchmark. Indexes may track broad investment markets, such as the global equity market, or more narrow investment markets, such as the U.S. small cap equity market. In contrast to actively managed funds, which seek to outperform their respective benchmark indexes through research and analysis, index funds are passively managed funds that seek to mirror the performance of their target indexes, minimizing performance differences over time. The fund attempts to match the performance of the S&P 500 Index by: (a) holding all, or a representative sample, of the securities that comprise that index and/or (b) by holding securities (which may or may not be included in the index) that the subadvisor believes as a group will behave in a manner similar to the index. However, an index fund has operating expenses and transaction costs, while a market index does not. Therefore, the fund, while it attempts to track

its target index closely, typically will be unable to match the performance of the index exactly. The composition of an index changes from time to time, and the subadvisor will reflect those changes in the composition of the fund's portfolio as soon as practicable.

*Use of Hedging and Other Strategic Transactions.* The fund may invest in futures contracts, swaps, and depositary receipts. The fund may invest in derivatives (investments whose value is based on securities, indexes or currencies).

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts, depositary receipts, total return swaps, and swaps. Futures contracts and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

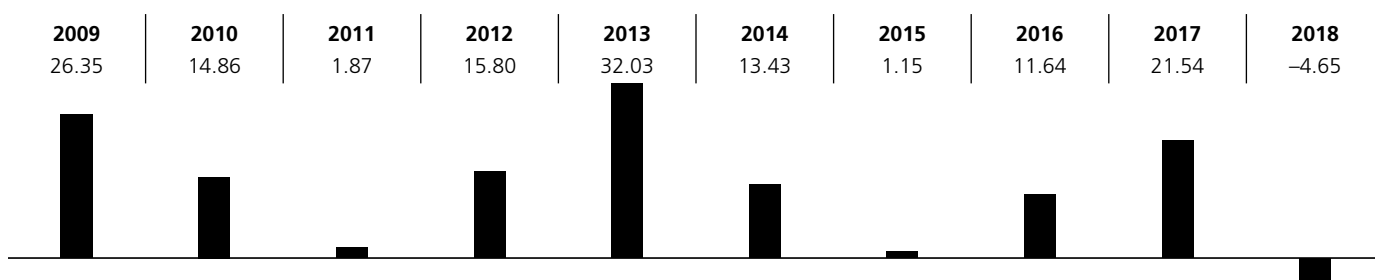
**S&P 500 Index risk** An investment in the fund involves risks similar to the risks of investing directly in the equity securities included in the S&P 500 Index.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

### Calendar year total returns for Series NAV (%)



**Best quarter:** Q2 '09, 15.85%

**Worst quarter:** Q3 '11, -13.92%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-4.69	8.17	12.84	11/05/12
Series II	-4.88	7.96	12.70	11/05/12
Series NAV	-4.65	8.22	12.87	05/01/96
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (North America) Limited

## Portfolio management

**Brett Hryb, CFA**

Managing Director and Senior Portfolio Manager  
Managed fund since 2014

**Ashikhusein Shahpurwala, CFA**

Managing Director and Senior Portfolio Manager  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.



# Active Bond Trust

## Investment objective

To seek income and capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.60	0.60	0.60
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
Acquired fund fees and expenses <sup>1</sup>	0.01	0.01	0.01
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.71</b>	<b>0.91</b>	<b>0.66</b>
Contractual expense reimbursement <sup>3</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.70</b>	<b>0.90</b>	<b>0.65</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	72	92	66
<b>3 years</b>	226	289	210
<b>5 years</b>	394	503	367
<b>10 years</b>	882	1,119	822

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 63% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in a diversified mix of debt securities and instruments. The fund seeks to invest its assets in debt securities and instruments with an average duration of between 4 to 6 years, however, there is no limit on the fund's average maturity. As part of its investment strategy, the fund may invest in mortgage-backed securities to a significant extent.

Eligible investments include, but are not limited to:

- U.S. Treasury and agency securities;
- Asset-backed securities and mortgage-backed securities, both investment grade and below-investment grade, including mortgage pass-through securities, commercial mortgage-backed securities ("CMBS") and collateralized mortgage obligations ("CMOs");
- Corporate bonds, both U.S. and foreign, and without any limit on credit quality; and
- Foreign government and agency securities.

The fund may invest in asset-backed securities rated, at the time of purchase, less than A (but not rated lower than B by Standard & Poor's Ratings Services ("S&P") or Moody's Investors Service ("Moody's")). The subadvisor uses proprietary research and economic and industry analysis to identify

specific bonds, bond sectors and industries that are attractively priced. Due to this process, the fund may have a higher than average portfolio turnover ratio, which may increase expenses and affect performance results.

The foreign securities in which the fund invests may be denominated in U.S. dollars or foreign currency.

John Hancock Asset Management manages the fund with two investment teams, each of which employs its own investment approach and independently manages its portion of the fund. The fund will be rebalanced periodically so that each team manages the following portions of the fund:

50%\* Securitized Asset Team

50%\* Core / Core Plus Team

*\*Percentages are approximate. Since the fund is only rebalanced periodically, the actual portion of the fund managed by each team will vary.*

This allocation methodology may change in the future.

### **Securitized Asset Team**

The Securitized Asset Team uses a combination of proprietary research and quantitative tools and seeks to identify bonds and bond sectors that are attractively priced based upon market fundamentals and technical factors. The Securitized Asset Team opportunistically emphasizes bonds with yields in excess of U.S. Treasury securities.

This portion of the fund normally has no more than 10% of its total assets in high yield bonds ("junk bonds") and normally invests in foreign securities only if U.S. dollar-denominated. This portion of the fund normally has an average credit rating of "A" or "AA."

### **The Core / Core Plus Team**

The Core / Core Plus Team uses proprietary research to identify specific bond sectors, industries and bonds that are attractively priced. The team seeks to anticipate shifts in the business cycle, using economic and industry analysis to determine which sectors and industries might benefit over the next 12 months.

This portion of the fund normally has no more than 25% of its total assets in high yield bonds (sometimes referred to as "junk bonds") and may invest in both U.S. dollar-denominated and foreign currency-denominated foreign securities. This portion of the fund normally has an average credit rating of "A" or "AA."

Under normal circumstances, no more than 15% of the total assets of the portion of the fund managed by the Core / Core Plus Team will be invested in asset-backed securities rated lower than A by both rating agencies. The fund's investment policies are based on credit ratings at the time of purchase.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under "Additional Information About the Funds' Principal Risks — Hedging, derivatives and other strategic transactions risk" including, but not limited to, U.S. Treasury futures and options, index derivatives, credit default swaps and forwards.

## **Principal risks**

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and

possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, options, and credit default swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

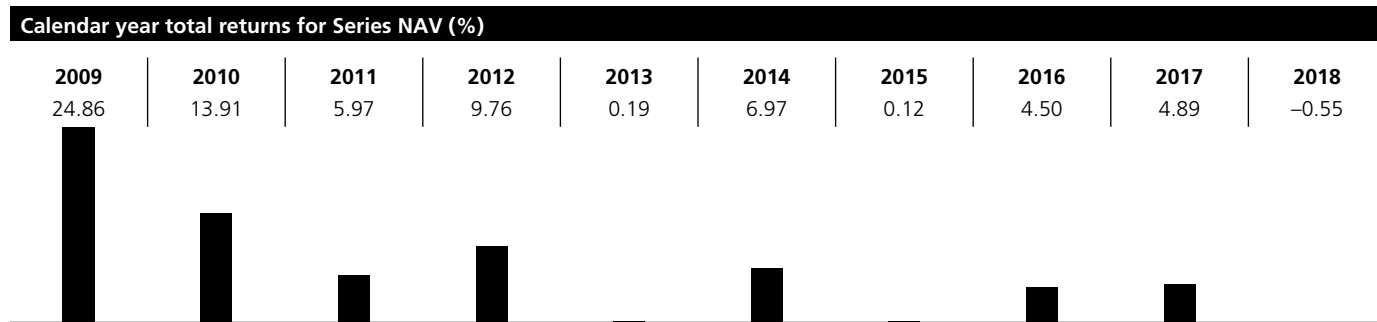
**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Inverse interest-only securities** Inverse interest-only securities that are mortgage-backed securities are subject to the same risks as other mortgage-backed securities. In addition, the coupon on an inverse interest-only security can be extremely sensitive to changes in prevailing interest rates.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 9.91%

**Worst quarter:** Q2 '13, -2.44%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-0.60	3.07	6.76	05/02/05
Series II	-0.80	2.86	6.56	05/02/05
Series NAV	-0.55	3.14	6.82	03/29/86
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Peter M. Farley, CFA**

Senior Managing Director and Senior Portfolio Manager; John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2005

**Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager; John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2006

**Howard C. Greene**

Senior Managing Director and Senior Portfolio Manager; John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2005

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# American Asset Allocation Trust

## Investment objective

To seek to provide high total return (including income and capital gains) consistent with preservation of capital over the long term.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
Management fee <sup>1</sup>	0.27	0.27	0.27
Distribution and service (Rule 12b-1) fees	0.60	0.75	0.25
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>0.92</b>	<b>1.07</b>	<b>0.57</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.91</b>	<b>1.06</b>	<b>0.56</b>

<sup>1</sup> The table reflects the combined fees of the feeder fund and the master fund.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
<b>1 year</b>	93	108	57
<b>3 years</b>	292	339	182
<b>5 years</b>	508	589	317
<b>10 years</b>	1,130	1,305	713

## Portfolio turnover

The fund, which operates as a feeder fund, does not pay transaction costs, such as commissions, when it buys and sells shares of the master fund (or "turns over" its portfolio). A master fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the master fund and of the fund. During its most recent fiscal year, the master fund's portfolio turnover rate was 6% of the average value of its portfolio.

## Principal investment strategies

The fund invests all of its assets in Class 1 shares of its master fund, the Asset Allocation Fund, a series of American Funds Insurance Series. The master fund invests in a diversified portfolio of common stocks and other equity securities, bonds and other intermediate and long-term debt securities, and money market instruments (debt securities maturing in one year or less). Although the fund focuses on investments in medium to larger capitalization companies, the fund's investments are not limited to a particular capitalization size. In addition, the master fund may invest up to 25% of its debt assets in lower quality debt securities (rated Ba1 or below and BB+ or below by a nationally recognized statistical rating organization ("NRSRO") designated by the fund's investment advisor or unrated but determined to be of equivalent quality by the fund's investment advisor). Such securities are sometimes referred to as "junk bonds."

In seeking to pursue its investment objective, the fund varies its mix of equity securities, debt securities and money market instruments. Under normal market conditions, the master fund's investment advisor expects (but is not required) to maintain an investment mix falling within the following ranges: 40% – 80% in equity securities, 20% – 50% in debt securities and 0% – 40% in money market instruments. The proportion of equities, debt and money market securities held by the master fund will vary with market conditions and the investment advisor's assessment of their relative attractiveness as investment opportunities. The master fund may invest up to 15% of its assets in common stocks and other equity securities of issuers domiciled outside the U.S. and up to 5% of its assets in debt securities of issuers domiciled outside the U.S.

The master fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment advisor or its affiliates

("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the master fund's investment advisor and its affiliates and other funds, investment vehicles and accounts managed by the master fund's investment advisor and its affiliates. When investing in Central Funds, the master fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portion of the master fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Asset allocation risk.** Although allocation among asset categories generally limits exposure to any one category, the management team may favor a category that performs poorly relative to the others.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Income stock risk.** Income provided by the fund may be affected by changes in the dividend policies of the companies in which the fund invests and the capital resources available for such payments at such companies.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

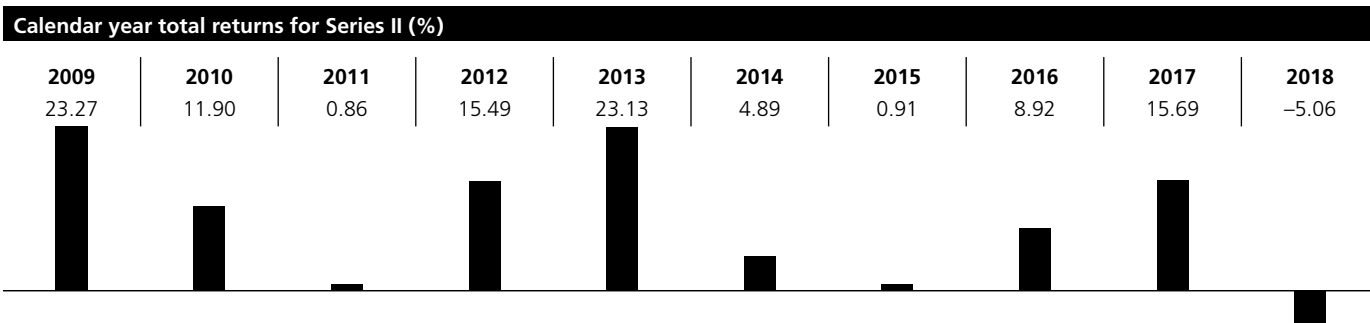
**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Bloomberg Barclays U.S. Aggregate Bond Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 60% of the S&P 500 Index and 40% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q3 '09, 11.42%

**Worst quarter:** Q3 '11, -11.92%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-4.91	4.96	9.78	04/28/08
<b>Series II</b>	-5.06	4.83	9.62	05/01/07
<b>Series III</b>	-4.62	5.32	10.15	01/03/08
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-2.35	6.24	9.42	

## Investment management

**Investment Advisor of the Master Fund:** Capital Research and Management Company

## Portfolio management

### Alan N. Berro

Co-President; Partner - Capital World Investors  
Managed fund since 2000

### David A. Daigle

Partner - Capital Fixed Income Investors  
Managed fund since 2009

### Peter Eliot

Partner - Capital International Investors  
Managed fund since 2016

### Jeffrey T. Lager

Partner - Capital International Investors  
Managed fund since 2007

### Jin Lee

Partner - Capital World Investors  
Managed fund since 2018

### James R. Mulally

Partner - Capital Fixed Income Investors  
Managed fund since 2006

### John R. Queen

Vice President - Capital Fixed Income Investors  
Managed fund since 2016

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# American Global Growth Trust

## Investment objective

To seek to provide long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
Management fee <sup>1</sup>	0.52	0.52	0.52
Distribution and service (Rule 12b-1) fees	0.60	0.75	0.25
Other expenses	0.07	0.07	0.07
<b>Total annual fund operating expenses</b>	<b>1.19</b>	<b>1.34</b>	<b>0.84</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.18</b>	<b>1.33</b>	<b>0.83</b>

<sup>1</sup> The table reflects the combined fees of the feeder fund and the master fund.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
<b>1 year</b>	120	135	85
<b>3 years</b>	377	424	267
<b>5 years</b>	653	733	465
<b>10 years</b>	1,442	1,612	1,036

## Portfolio turnover

The fund, which operates as a feeder fund, does not pay transaction costs, such as commissions, when it buys and sells shares of the master fund (or "turns over" its portfolio). A master fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the master fund and of the fund. During its most recent fiscal year, the master fund's portfolio turnover rate was 11% of the average value of its portfolio.

## Principal investment strategies

The fund invests all of its assets in Class 1 shares of its master fund, the Global Growth Fund, a series of American Funds Insurance Series. The Global Growth Fund invests primarily in common stocks of companies around the world that the advisor believes have potential for growth. As a fund that seeks to invest globally, the Global Growth Fund will allocate its assets among securities of companies domiciled in various countries, including the United States and countries with emerging markets (but in no fewer than three countries). Under normal market conditions, the Global Growth Fund will invest significantly in issuers domiciled outside the United States (i.e., at least 40% of its net assets, unless market conditions are not deemed favorable by the fund's investment advisor, in which case the fund would invest at least 30% of its net assets in issuers outside the United States. Although the fund focuses on investments in medium to larger capitalization companies, the fund's investments are not limited to a particular capitalization size.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under "Additional Information About the Funds' Principal Risks — Hedging, derivatives and other strategic transactions risk."

The master fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment advisor or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the master fund's investment advisor and its affiliates and other funds, investment vehicles and accounts managed by the master fund's investment advisor and its affiliates. When investing in Central Funds, the master fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional



management fees through its investment in such Central Funds. The investment results of the portion of the master fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: credit default swaps, foreign currency forward contracts, foreign currency swaps, futures contracts, options on futures, swaptions, interest-rate swaps, and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference instrument.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

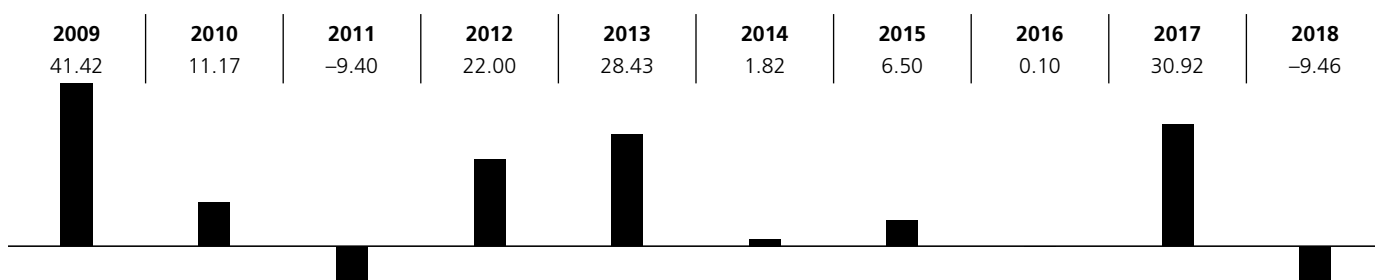
**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Lipper Global Fund Index shows how the fund's performance compares against the returns of similar investments. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

### Calendar year total returns for Series II (%)



**Best quarter:** Q2 '09, 22.00%

**Worst quarter:** Q3 '11, -19.03%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-9.37	5.28	11.24	11/05/10
Series II	-9.46	5.17	11.12	05/01/07
Series III	-9.04	5.65	11.67	01/03/08
MSCI All Country World Index (reflects no deduction for fees, expenses, or taxes)	-8.93	4.82	10.05	
Lipper Global Fund Index (reflects no deduction for fees, expenses, or taxes)	-10.73	3.89	8.96	

## Investment management

**Investment Advisor of the Master Fund:** Capital Research and Management Company

## Portfolio management

### Patrice Collette

Partner - Capital World Investors  
Managed fund since 2015

### Paul Flynn

Partner - Capital World Investors  
Managed fund since 2017

### Jonathan Knowles

Partner - Capital World Investors  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# American Growth Trust

## Investment objective

To seek to provide growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
Management fee <sup>1</sup>	0.32	0.32	0.32
Distribution and service (Rule 12b-1) fees	0.60	0.75	0.25
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>0.97</b>	<b>1.12</b>	<b>0.62</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.96</b>	<b>1.11</b>	<b>0.61</b>

<sup>1</sup> The table reflects the combined fees of the feeder fund and the master fund.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
<b>1 year</b>	98	113	62
<b>3 years</b>	308	355	198
<b>5 years</b>	535	616	345
<b>10 years</b>	1,189	1,362	773

## Portfolio turnover

The fund, which operates as a feeder fund, does not pay transaction costs, such as commissions, when it buys and sells shares of the master fund (or "turns over" its portfolio). A master fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the master fund and of the fund. During its most recent fiscal year, the master fund's portfolio turnover rate was 13% of the average value of its portfolio.

## Principal investment strategies

The fund invests all of its assets in Class 1 shares of its master fund, the Growth Fund, a series of American Funds Insurance Series. The Growth Fund invests primarily in common stocks and seeks to invest in companies that appear to offer superior opportunities for growth of capital. The Growth Fund may also invest up to 25% of its assets in common stocks and other securities of issuers domiciled outside the U.S.

The master fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment advisor or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the master fund's investment advisor and its affiliates and other funds, investment vehicles and accounts managed by the master fund's investment advisor and its affiliates. When investing in Central Funds, the master fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portion of the master fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

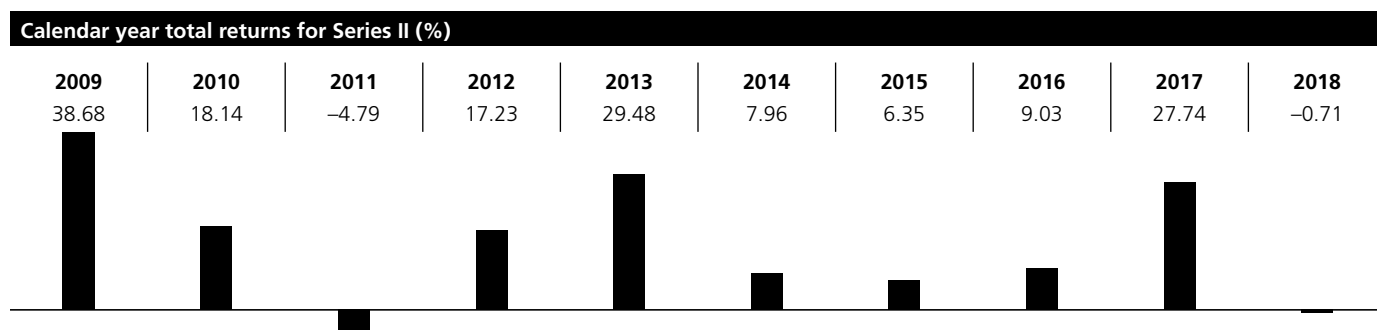
**Liquidity risk.** The extent (if at all) to which a security may be sold without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 18.33%

**Worst quarter:** Q3 '11, -16.87%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-0.66	9.78	14.29	07/10/03
Series II	-0.71	9.69	14.16	05/06/03
Series III	-0.28	10.17	14.69	01/03/08
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	

## Investment management

**Investment Advisor of the Master Fund:** Capital Research and Management Company

## Portfolio management

**Mark L. Casey**

Partner – Capital International Investors  
Managed fund since 2017

**Andraz Razen**

Partner – Capital World Investors  
Managed fund since 2012

**Michael T. Kerr**

Partner – Capital International Investors  
Managed fund since 2005

**Alan J. Wilson**

Partner - Capital World Investors  
Managed fund since 2014

**Anne-Marie Peterson**

Partner – Capital World Investors  
Managed fund since 2018

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# American Growth-Income Trust

## Investment objective

To seek to provide growth of capital and income.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
Management fee <sup>1</sup>	0.26	0.26	0.26
Distribution and service (Rule 12b-1) fees	0.60	0.75	0.25
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>0.91</b>	<b>1.06</b>	<b>0.56</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.90</b>	<b>1.05</b>	<b>0.55</b>

<sup>1</sup> The table reflects the combined fees of the feeder fund and the master fund.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
<b>1 year</b>	92	107	56
<b>3 years</b>	289	336	178
<b>5 years</b>	503	584	312
<b>10 years</b>	1,119	1,293	700

## Portfolio turnover

The fund, which operates as a feeder fund, does not pay transaction costs, such as commissions, when it buys and sells shares of the master fund (or "turns over" its portfolio). A master fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the master fund and of the fund. During its most recent fiscal year, the master fund's portfolio turnover rate was 11% of the average value of its portfolio.

## Principal investment strategies

The fund invests all of its assets in Class 1 shares of its master fund, the Growth-Income Fund, a series of American Funds Insurance Series. The Growth-Income Fund invests primarily in common stocks or other securities that the Growth-Income Fund's investment advisor believes demonstrate the potential for appreciation and/or dividends. The Growth-Income Fund may invest up to 15% of its assets, at the time of purchase, in securities of issuers domiciled outside the U.S. The Growth-Income Fund is designed for investors seeking both capital appreciation and income.

The master fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment advisor or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the master fund's investment advisor and its affiliates and other funds, investment vehicles and accounts managed by the master fund's investment advisor and its affiliates. When investing in Central Funds, the master fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portion of the master fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Income stock risk.** Income provided by the fund may be affected by changes in the dividend policies of the companies in which the fund invests and the capital resources available for such payments at such companies.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

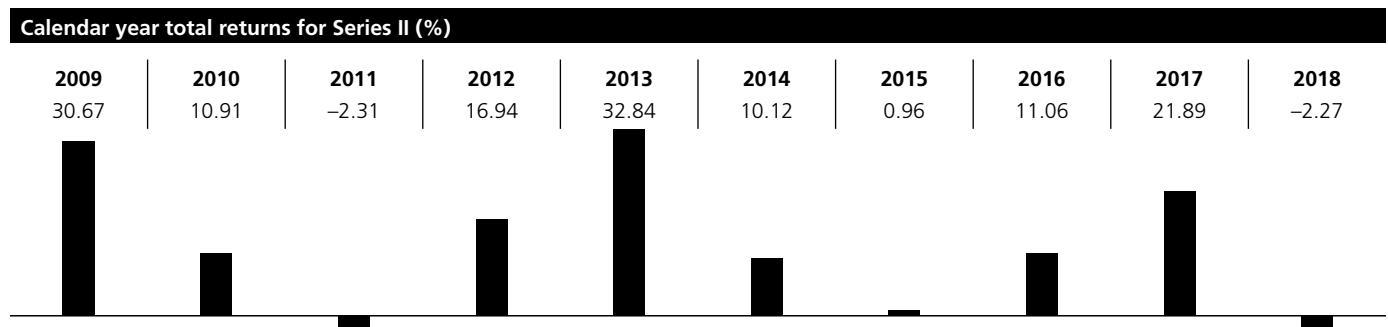
**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 15.93%

**Worst quarter:** Q3 '11, -14.95%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-2.18	8.14	12.60	07/10/03
Series II	-2.27	8.02	12.46	05/05/03
Series III	-1.82	8.51	12.99	01/03/08
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	

## Investment management

**Investment Advisor of the Master Fund:** Capital Research and Management Company

## Portfolio management

**Donald D. O’Neal**

Co-President and Trustee  
Partner - Capital International  
Investors  
Managed fund since 2005

**Dylan Yolles**

Vice President; Partner - Capital International  
Investors  
Managed fund since 2005

**J. Blair Frank**

Partner - Capital Research Global Investors  
Managed fund since 2006

**Claudia P. Huntington**

Partner - Capital Research Global Investors  
Managed fund since 1994

**S. Keiko McKibben**

Vice President; Partner - Capital Research Global  
Investors  
Managed fund since 2014

**William L. Robbins**

Partner - Capital International Investors  
Managed fund since 2011

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.



# American International Trust

## Investment objective

To seek to provide long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
Management fee <sup>1</sup>	0.49	0.49	0.49
Distribution and service (Rule 12b-1) fees	0.60	0.75	0.25
Other expenses	0.07	0.07	0.07
<b>Total annual fund operating expenses</b>	<b>1.16</b>	<b>1.31</b>	<b>0.81</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.15</b>	<b>1.30</b>	<b>0.80</b>

<sup>1</sup> The table reflects the combined fees of the feeder fund and the master fund.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series III</b>
<b>1 year</b>	117	132	82
<b>3 years</b>	367	414	258
<b>5 years</b>	637	717	449
<b>10 years</b>	1,408	1,578	1,001

## Portfolio turnover

The fund, which operates as a feeder fund, does not pay transaction costs, such as commissions, when it buys and sells shares of the master fund (or "turns over" its portfolio). A master fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the master fund and of the fund. During its most recent fiscal year, the master fund's portfolio turnover rate was 20% of the average value of its portfolio.

## Principal investment strategies

The fund invests all of its assets in Class 1 shares of its master fund, the International Fund, a series of American Funds Insurance Series. The International Fund invests primarily in common stocks of companies domiciled outside the United States, including companies domiciled in developing countries, that the advisor believes have the potential for growth.

The master fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment advisor or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the master fund's investment advisor and its affiliates and other funds, investment vehicles and accounts managed by the master fund's investment advisor and its affiliates. When investing in Central Funds, the master fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portion of the master fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

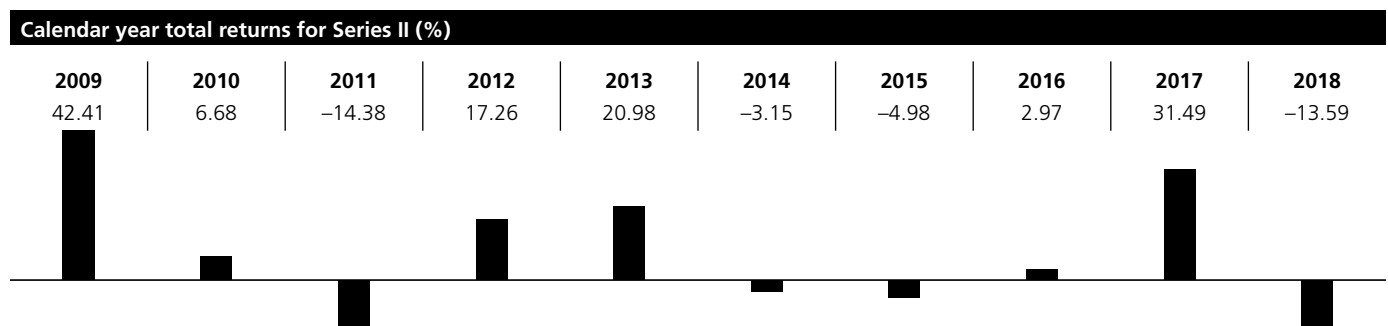
**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 24.34%

**Worst quarter:** Q3 '11, -21.95%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-13.46	1.63	7.26	07/10/03
Series II	-13.59	1.49	7.11	05/06/03
Series III	-13.20	1.98	7.63	01/03/08
MSCI All Country World ex-USA Index (reflects no deduction for fees, expenses, or taxes)	-13.78	1.14	7.06	

## Investment management

**Investment Advisor of the Master Fund:** Capital Research and Management Company

## Portfolio management

### **Sung Lee**

Vice President; Partner – Capital Research Global Investors  
Managed fund since 2005

### **Renaud H. Samyn**

Vice President; Partner – Capital Research Global Investors  
Managed fund since 2013

### **L. Alfonso Barroso**

Partner – Capital Research Global Investors  
Managed fund since 2009

### **Jesper Lyckeus**

Partner – Capital Research Global Investors  
Managed fund since 2007

### **Christopher Thomsen**

Partner – Capital Research Global Investors  
Managed fund since 2005

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Blue Chip Growth Trust

## Investment objective

To provide long-term growth of capital. Current income is a secondary objective.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.75	0.75	0.75
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
<b>Total annual fund operating expenses</b>	<b>0.84</b>	<b>1.04</b>	<b>0.79</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.83</b>	<b>1.03</b>	<b>0.78</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	85	105	80
<b>3 years</b>	267	330	251
<b>5 years</b>	465	573	438
<b>10 years</b>	1,036	1,270	977

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 35% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in the common stocks of large and medium-sized blue chip growth companies. These are firms that, in the subadvisor's view, are well established in their industries and have the potential for above-average earnings growth.

In identifying blue chip companies, the subadvisor generally considers the following characteristics:

*Leading market positions.* Blue chip companies often have leading market positions that are expected to be maintained or enhanced over time. Strong positions, particularly in growing industries, can give a company pricing flexibility as well as the potential for good unit sales. These factors, in turn, can lead to higher earnings growth and greater share price appreciation.

*Seasoned management teams.* Seasoned management teams with a track record of providing superior financial results are important for a company's long-term growth prospects. The subadvisor's analysts will evaluate the depth and breadth of a company's management experience.

*Strong financial fundamentals.* Companies should demonstrate faster earnings growth than their competitors and the market in general; high profit margins relative to competitors; strong cash flow; a healthy balance sheet with relatively low debt; and a high return on equity with a comparatively low dividend payout ratio.

This investment approach reflects the subadvisor's belief that the combination of solid company fundamentals (with emphasis on the potential for above-average growth in earnings or operating cash flow) along with a positive industry outlook will ultimately reward investors with strong

investment performance. Some of the companies the subadvisor targets will have good prospects for dividend growth. The fund may at times invest significantly in stocks of information technology companies.

While most of the assets of the fund are invested in U.S. common stocks, the fund may also purchase or invest in other types of securities, including (i) U.S. and foreign currency-denominated foreign securities (up to 20% of its net assets) including American Depositary Receipts (ADRs), (ii) convertible stocks, warrants and bonds, and (iii) futures and options. Investments in convertible securities, warrants, preferred stocks and debt securities are limited to 25% of total assets.

The fund may invest in debt securities of any type, including municipal securities, without restrictions on quality or rating. Such securities would be issued by companies which meet the investment criteria for the fund but may include below-investment-grade debt securities ("junk bonds"). The fund will not purchase a below-investment-grade debt security if, immediately after such purchase, the fund would have more than 5% of its total assets invested in such securities.

The fund's debt securities may include privately negotiated notes or loans, including loan participations and assignments ("bank loans"). These investments will only be made in companies, municipalities or entities that meet the fund's investment criteria. Direct investments in loans may be illiquid and holding a loan could expose the fund to the risks of being a direct lender. Since the fund invests primarily in equity securities, the risks associated with fixed-income securities will not affect the fund as much as they would a fund that invests more of its assets in fixed-income securities.

The fund holds a certain portion of its assets in money market reserves, which can consist of shares of certain internal T. Rowe Price money market funds as well as U.S. dollar and foreign currency-denominated money market securities, including repurchase agreements, in the two highest rating categories, maturing in one year or less.

The fund may invest up to 10% of its total assets in hybrid instruments. Hybrid instruments are a type of high-risk derivative which can combine the characteristics of securities, futures and options. Such securities may or may not bear interest or pay dividends at below (or even relatively nominal) rates.

The fund may sell securities for a variety of reasons such as to secure gains, limit losses or redeploy assets into more promising opportunities.

In pursuing the fund's investment objectives, the subadvisor has the discretion to deviate from its normal investment criteria, as described above, and purchase securities the subadvisor believes will provide an opportunity for substantial appreciation. These situations might arise when the subadvisor believes a security could increase in value for a variety of reasons including a change in management, an extraordinary corporate event, a new product introduction or innovation or a favorable competitive development.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Currency risk.** Fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund's investments. Foreign currencies may decline in value, which could negatively impact performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in

derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts, equity-linked notes (equity-linked notes generally reflect the risks associated with their underlying securities, depend on the credit of the notes' issuer, may be privately placed, and may have a limited secondary market), and options. Futures contracts and options generally are subject to counterparty risk.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Information technology risk.** Information technology companies can be significantly affected by rapid obsolescence, short product cycles, competition, and government regulation, and general economic conditions. Investments in the technology sector may be susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Loan participations risk.** Participations and assignments involve special types of risks, including credit risk, interest-rate risk, counterparty risk, liquidity risk, risks associated with extended settlement, and the risks of being a lender.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Technology companies risk.** Technology companies can be significantly affected by rapid obsolescence, short product cycles, competition, and government regulation, among other factors. Investments in the technology sector may be susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data.

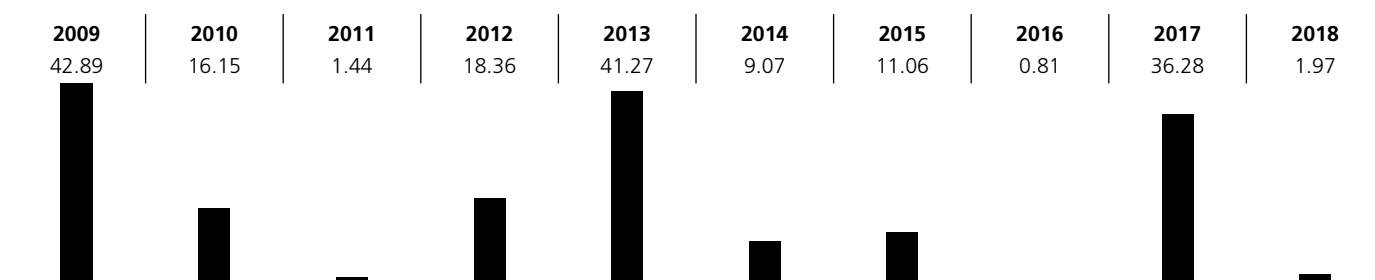
**Telecommunications sector risk.** Telecommunication services companies are subject to government regulation of services and rates of return and can be significantly affected by intense competition, among other factors.

**Warrants risk.** The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Russell 1000 Growth Index shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

#### Calendar year total returns for Series I (%)



**Best quarter:** Q1 '12, 18.74%

**Worst quarter:** Q4 '18, -14.26%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	1.97	11.16	16.93	12/11/92
<b>Series II</b>	1.78	10.94	16.69	01/28/02
<b>Series NAV</b>	2.03	11.21	16.99	02/28/05
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Russell 1000 Growth Index (reflects no deduction for fees, expenses, or taxes)	-1.51	10.40	15.29	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** T. Rowe Price Associates, Inc.

## Portfolio management

**Larry J. Puglia, CFA, CPA**

Vice President

Managed fund since 1996

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Capital Appreciation Trust

## Investment objective

To seek long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.70	0.70	0.70
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>0.80</b>	<b>1.00</b>	<b>0.75</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.79</b>	<b>0.99</b>	<b>0.74</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	81	101	76
<b>3 years</b>	254	317	239
<b>5 years</b>	443	551	416
<b>10 years</b>	989	1,224	929

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 37% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 65% of its total assets in equity and equity-related securities of companies, at the time of investment, that exceed \$1 billion in market capitalization and that the subadvisor believes have above-average growth prospects. These companies are generally medium- to large-capitalization companies.

The subadvisor believes that growth in earnings and cash flows drives share prices over the long term; that excess returns are generated by investing in market-leading companies that create economic value through long-duration competitive advantages; and that a deeply researched understanding of company and industry fundamentals leads to successful stock selection. The subadvisor looks for companies with unique business models that build sustainable competitive advantages; catalysts that drive growth rates well above that of the market; superior financial characteristics; and attractive long-term valuations. The subadvisor seeks to capture acceleration or duration of growth that is not fully reflected in a stock's price.

Securities in which the fund invests have historically been more volatile than the S&P 500 Index. Also, companies that have an earnings growth rate higher than that of the average S&P 500 company tend to reinvest their earnings rather than distribute them. Therefore, the fund is not likely to receive significant dividend income on its securities. Seeking to invest in companies with above market-average growth, the fund may invest significantly in sectors associated with such growth, including information technology.

In addition to common stocks, nonconvertible preferred stock and convertible securities, equity-related securities in which the fund invests include: (i) American Depositary Receipts (ADRs); (ii) warrants and rights; (iii) investments in various types of business ventures, including partnerships and joint ventures; (iv) real estate investment trusts (REITs); and (v) initial public offerings (IPOs) and similar securities. (Convertible securities are securities — like



bonds, corporate notes and preferred stocks — that the fund can convert into the company's common stock, cash value of common stock, or some other equity security.)

In addition to the principal strategies discussed above, the fund may also use the following investment strategies to attempt to increase the fund's return or protect its assets if market conditions warrant:

- The fund may make short sales of a security including short sales "against the box."
- The fund may invest up to 20% of the fund's total assets in foreign equity securities. (For purposes of this 20% limit, ADRs and other similar receipts or shares traded in U.S. markets are not considered to be foreign securities.)
- The fund may invest in U.S. government securities issued or guaranteed by the U.S. government or by an agency or instrumentality of the U.S. government.
- The fund may invest in mortgage-related securities issued or guaranteed by U.S. governmental entities, including collateralized mortgage obligations, multi-class pass-through securities and stripped mortgage-backed securities.
- The fund may invest in fixed-income securities rated investment grade. These include corporate debt and other debt obligations of U.S. and foreign issuers. The fund may invest in obligations that are not rated, but that the subadvisor believes are of comparable quality to these obligations.
- The fund may invest in repurchase agreements.

The subadvisor considers selling or reducing a stock position when, in the opinion of the subadvisor, the stock has experienced a fundamental disappointment in earnings, it has reached an intermediate price objective and its outlook no longer seems sufficiently promising, a relatively more attractive stock emerges or the stock has experienced adverse price movement.

The fund's investment process may, at times, result in a higher than average portfolio turnover ratio and increased trading expenses.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Information technology risk.** Information technology companies can be significantly affected by rapid obsolescence, short product cycles, competition, and government regulation, and general economic conditions. Investments in the technology sector may be susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in

rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Real estate investment trust risk.** REITs, pooled investment vehicles that typically invest in real estate directly or in loans collateralized by real estate, carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Real estate securities risk.** Securities of companies in the real estate industry carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

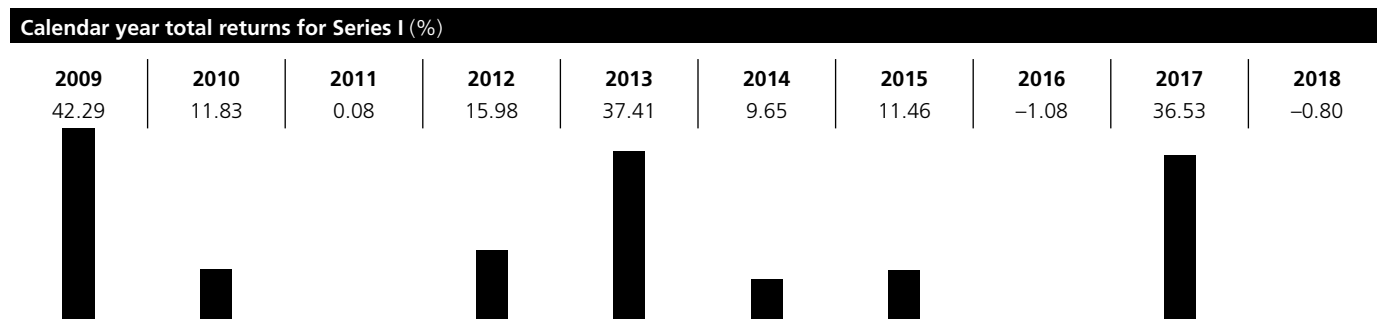
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

**Warrants risk.** The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q1 '12, 19.52%

**Worst quarter:** Q4 '18, -16.23%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-0.80	10.37	15.31	11/01/00
Series II	-0.99	10.13	15.07	01/28/02
Series NAV	-0.72	10.41	15.36	02/28/05
Russell 1000 Growth Index (reflects no deduction for fees, expenses, or taxes)	-1.51	10.40	15.29	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Jennison Associates LLC

## Portfolio management

**Blair A. Boyer**

Managing Director

Managed fund since 2019

**Natasha Kuhlkin, CFA**

Managing Director

Managed fund since 2019

**Michael A. Del Balso**

Managing Director

Managed fund since 2000

**Kathleen A. McCarragher**

Managing Director

Managed fund since 2000

**Rebecca Irwin**

Managing Director

Managed fund since 2019

**Spiros “Sig” Segalas**

President and Chief Investment Officer

Managed fund since 2000

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Capital Appreciation Value Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.81	0.81	0.81
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.06	0.06	0.06
<b>Total annual fund operating expenses</b>	<b>0.92</b>	<b>1.12</b>	<b>0.87</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.91</b>	<b>1.11</b>	<b>0.86</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	93	113	88
<b>3 years</b>	292	355	277
<b>5 years</b>	508	616	481
<b>10 years</b>	1,130	1,362	1,072

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 78% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests primarily in common stocks of established U.S. companies that have above-average potential for capital growth. Common stocks typically constitute at least 50% of the fund's total assets. The remaining assets are generally invested in other securities, including convertible securities, corporate and government debt (including mortgage- and asset-backed securities), bank loans (which represent an interest in amounts owed by a borrower to a syndicate of lenders), foreign securities, futures and options. The fund may invest up to 20% of its total assets in foreign securities.

The fund's common stocks generally fall into one of two categories: the larger category comprises long-term core holdings whose prices when purchased by the fund are considered low in terms of company assets, earnings, or other factors; the smaller category comprises opportunistic investments whose prices the subadvisor expects to rise in the short term but not necessarily over the long term. There are no limits on the market capitalization of the issuers of the stocks in which the fund invests. Since the subadvisor attempts to prevent losses as well as achieve gains, the subadvisor typically uses a value approach in selecting investments. The subadvisor's in-house research team seeks to identify companies that seem undervalued by various measures, such as price/book value, and may be temporarily out of favor but are believed to have good prospects for capital appreciation. The subadvisor may establish relatively large positions in companies it finds particularly attractive.

In addition, the subadvisor searches for risk/reward values among all types of securities. The portion of the fund invested in a particular type of security, such as common stocks, results largely from case-by-case investment decisions, and the size of the fund's cash reserve may reflect the subadvisor's ability to find companies that meet valuation criteria rather than its market outlook.

Bonds, bank loans and convertible securities may be purchased to gain additional exposure to a company or for their income or other features; maturity and quality are not necessarily major considerations in determining whether to purchase a particular security. Direct investments in loans may be illiquid and holding a loan could expose the fund to the risks of being a direct lender. The fund's investments in below-investment grade debt securities and loans are limited to 15% of total assets. The fund may also purchase other securities, including bank debt, loan participations and assignments and futures and options. The fund's investments in options, if any, will be primarily in an effort to protect against downside risk or to generate additional income.

The fund holds a certain portion of its assets in money market reserves, which can consist of shares of certain internal T. Rowe Price money market funds as well as U.S. dollar and foreign currency-denominated money market securities, including repurchase agreements, in the two highest rating categories, maturing in one year or less.

The fund may invest up to 10% of its total assets in hybrid instruments. Hybrid instruments are a type of high-risk derivative which can combine the characteristics of securities, futures, currencies and options. Such securities may bear interest or pay dividends at below (or even relatively nominal) rates. In addition, the fund may invest up to 10% of its total assets in mortgage- and asset-backed securities.

The fund may sell securities for a variety of reasons such as to secure gains, limit losses or redeploy assets into more promising opportunities.

In pursuing the fund's investment objective, the subadvisor has the discretion to purchase some securities that do not meet its normal investment criteria, as described above, when it perceives an unusual opportunity for gain. These special situations might arise when the subadvisor believes a security could increase in value for a variety of reasons including a change in management, an extraordinary corporate event, a new product introduction or a favorable competitive development.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: credit default swaps, futures contracts, and options. Futures contracts and options generally are subject to counterparty risk.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Loan participations risk.** Participations and assignments involve special types of risks, including credit risk, interest-rate risk, counterparty risk, liquidity risk, risks associated with extended settlement, and the risks of being a lender.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

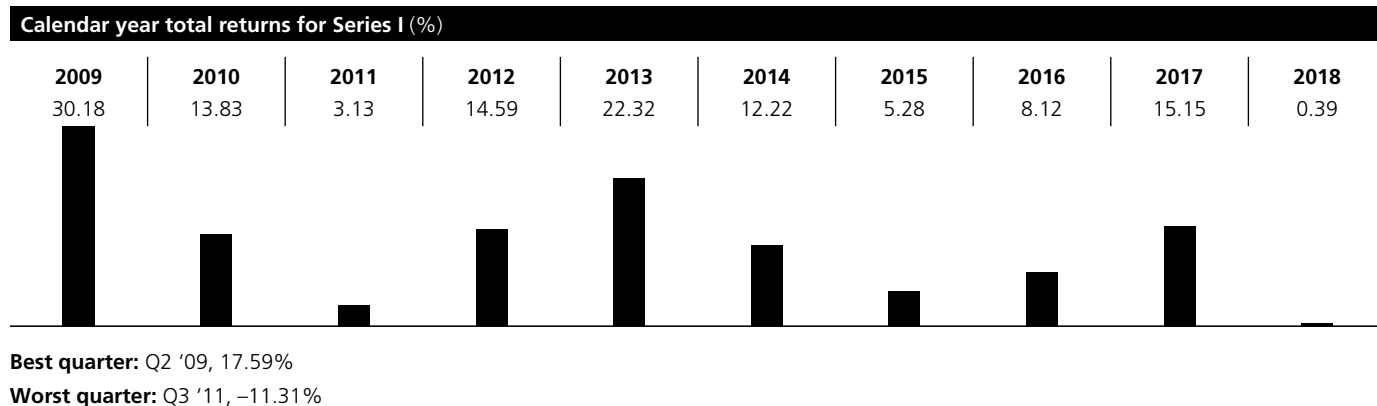
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Value investing style risk.** The fund emphasizes a value style of investing, which focuses on undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on value equity securities are less than returns on other styles of investing or the overall stock market. Value stocks also may decline in price, even though in theory they are already underpriced.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Combined Index (described below) shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 60% of the S&P 500 Index and 40% of the Bloomberg Barclays U.S. Aggregate Bond Index.



*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	0.39	8.11	12.21	04/28/08
<b>Series II</b>	0.11	7.89	11.97	04/28/08
<b>Series NAV</b>	0.45	8.16	12.24	04/28/08
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Combined Index (reflects no deduction for fees, expenses, or taxes)	2.35	6.24	9.42	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** T. Rowe Price Associates, Inc.

## Portfolio management

**David R. Giroux, CFA**

Vice President

Managed fund since 2008

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Core Bond Trust

## Investment objective

To seek total return consisting of income and capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee <sup>1</sup>	0.57	0.57	0.57
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>0.67</b>	<b>0.87</b>	<b>0.62</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.66</b>	<b>0.86</b>	<b>0.61</b>

<sup>1</sup> "Management fee" has been restated to reflect the contractual management fee schedule effective July 1, 2018.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	67	88	62
<b>3 years</b>	213	277	198
<b>5 years</b>	372	481	345
<b>10 years</b>	834	1,072	773

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 336% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in a broad range of investment-grade debt securities, including U.S. government obligations, corporate bonds, mortgage-backed and other asset-backed securities, and money market instruments.

The fund invests in debt securities that the subadvisor believes offer attractive yields and are undervalued relative to issues of similar credit quality and interest rate sensitivity. The fund may also invest in unrated bonds that the subadvisor believes are comparable to investment-grade debt securities. The fund may invest to a significant extent in mortgage-backed securities, including collateralized mortgage obligations.

Under normal market conditions, the subadvisor expects to maintain an effective duration within 10% (in either direction) of the duration of the Bloomberg Barclays U.S. Aggregate Bond Index (the duration of this index as of February 28, 2019 was 5.91 years).

The fund may invest:

- Up to 25% of total assets in asset-backed securities, other than mortgage-backed securities;
- Up to 20% of total assets in U.S. dollar-denominated obligations of foreign issuers; and
- Up to 10% of total assets in U.S. stripped mortgage-backed securities.

As part of a mortgage-backed securities investment strategy, the fund may enter into dollar rolls. The fund may also enter into reverse repurchase agreements to enhance return.



The fund's investment process may, at times, result in a higher than average portfolio turnover ratio and increased trading expenses.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures, options, and reverse repurchase agreements. Futures contracts and options generally are subject to counterparty risk. An event of default or insolvency of the counterparty to a reverse repurchase agreement could result in delays or restrictions with respect to the fund's ability to dispose of the underlying securities. In addition, a reverse repurchase agreement may be considered a form of leverage and may, therefore, increase fluctuations in the fund's net asset value per share (NAV).

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

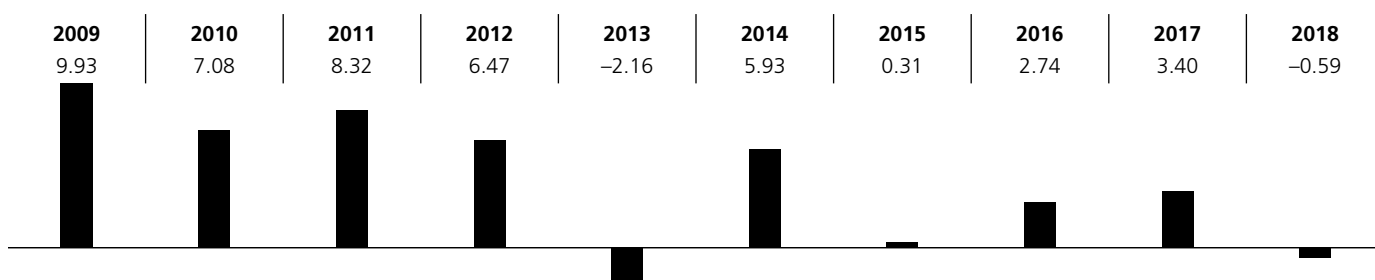
**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

#### Calendar year total returns for Series I (%)



**Best quarter:** Q3 '09, 4.52%

**Worst quarter:** Q4 '16, -3.00%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-0.59	2.33	4.07	05/02/05
Series II	-0.79	2.13	3.86	05/02/05
Series NAV	-0.54	2.38	4.12	05/02/05
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Wells Capital Management, Incorporated

## Portfolio management

**Maulik Bhansali, CFA**

Senior Portfolio Manager

Managed fund since 2017

**Thomas O'Connor, CFA**

Senior Portfolio Manager

Managed fund since 2007

**Jarad Vasquez**

Senior Portfolio Manager

Managed fund since 2017

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Emerging Markets Value Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.95	0.95	0.95
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses <sup>1</sup>	0.10	0.10	0.10
<b>Total annual fund operating expenses</b>	<b>1.10</b>	<b>1.30</b>	<b>1.05</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.09</b>	<b>1.29</b>	<b>1.04</b>

<sup>1</sup> "Other expenses" have been restated from fiscal year amounts to reflect current fees and expenses.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	111	131	106
<b>3 years</b>	349	411	333
<b>5 years</b>	605	712	578
<b>10 years</b>	1,339	1,567	1,282

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 14% of the average value of its portfolio.

## Principal investment strategies

Under normal circumstances, the fund will invest at least 80% of its net assets (plus any borrowings for investment purposes) in companies associated with emerging markets designated from time to time by the subadvisor.

The fund seeks long-term capital growth through investment primarily in emerging market equity securities. The fund seeks to achieve its investment objective by investing in companies associated with emerging markets, which may include frontier markets (emerging market countries at an earlier stage of development), authorized for investment by the subadvisor ("Approved Markets") from time to time. The fund invests its assets primarily in Approved Markets equity securities listed on bona fide securities exchanges or actively traded on over-the-counter markets. (Approved Market Securities are defined below.) These exchanges may be either within or outside the issuer's domicile country. The securities may be listed or traded in the form of American Depositary Receipts (ADRs), European Depositary Receipts (EDRs), Global Depositary Receipts (GDRs), Non-Voting Depositary Receipts (NVDRs) or other similar securities, including dual-listed securities.

The fund seeks to purchase emerging market equity securities that are deemed by the subadvisor to be value stocks at the time of purchase. The subadvisor believes securities are considered value stocks primarily because they have a low price in relation to their book value. In assessing value, the subadvisor may consider additional factors, such as price-to-cash flow or price-to-earnings ratios, as well as economic conditions and developments in the issuer's industry.

In addition, the subadvisor may adjust the representation in the fund of an eligible company, or exclude a company, after considering such factors as free float, momentum, trading strategies, liquidity, size, value, profitability, and other factors the subadvisor determines to be appropriate, given

market conditions. In assessing profitability, the subadvisor may consider different ratios, such as that of earnings or profits from operations relative to book value or assets. The criteria the subadvisor uses for assessing value or profitability are subject to change from time to time.

The fund will also seek to purchase emerging market equity securities across all market capitalizations, and specifically those which are deemed by the subadvisor to be value stocks at the time of purchase, as described in the paragraph above. The fund may not invest in certain eligible companies or Approved Markets described above because of constraints imposed within Approved Markets, restrictions on purchases by foreigners and the fund's policy to invest no more than 25% of its total assets in any one industry at the time of purchase. The fund may have significant investments in the financial services sector.

The fund also may invest up to 10% of its total assets in shares of other investment companies that invest in one or more Approved Markets, although it tends to do so only where access to those markets is otherwise significantly limited.

In determining what countries are eligible markets for the fund, the subadvisor may consider various factors, including without limitation, the data, analysis and classification of countries published or disseminated by the World Bank, the International Finance Corporation, FTSE International, and MSCI. Approved emerging markets may not include all emerging markets classified by such entities. In determining whether to approve markets for investment, the subadvisor takes into account, among other things, market liquidity, relative availability of investor information, and government regulation, including fiscal and foreign exchange repatriation rules and the availability of other access to these markets for the fund and other affiliated funds.

The fund may use derivatives such as futures contracts and options on futures contracts to adjust market exposure based on actual or expected cash inflows to or outflows from the fund. The fund does not intend to use derivatives for the purposes of speculation or leveraging investment returns. The fund may enter into futures contracts and options on futures contracts for Approved Markets or other equity market securities and indices, including those of the United States. The fund may also enter into forward currency contracts to facilitate the settlement of equity purchases of foreign securities, repatriation of foreign currency balances or exchange of one foreign currency to another currency.

The fund's policy of seeking broad market diversification means the subadvisor will not utilize "fundamental" securities research techniques in identifying security selections. Changes in the composition and relative ranking (in terms of book-to-market ratio) of the stocks that are eligible for purchase by the fund take place with every trade when the securities markets are open for trading due primarily to price fluctuations of such securities. On a periodic basis, the subadvisor will identify value stocks that are eligible for investment and re-evaluate eligible value stocks no less than semiannually.

The fund does not seek current income as an investment objective, and investments will not be based upon an issuer's dividend payment policy or record. However, many of the companies whose securities will be held by the fund do pay dividends. It is anticipated, therefore, that the fund will receive dividend income.

### **Approved Markets**

As of the date of this prospectus, the fund is authorized to invest in the countries listed below. The subadvisor will determine in its discretion when and whether to invest in countries that have been authorized, depending on a number of factors, such as asset growth in the fund and characteristics of each country's markets. The subadvisor also may authorize other countries for investment in the future, in addition to the countries listed below. Also, the fund may continue to hold investments in countries that are not currently authorized for investment, but had been authorized for investment in the past. Emerging markets approved for investment may include countries in an earlier stage of development that are sometimes referred to as frontier markets.

- Brazil
- Chile
- China
- Colombia
- Czech Republic
- Greece
- Hungary
- India
- Indonesia
- Malaysia
- Mexico
- Philippines
- Poland
- Russia
- South Africa
- South Korea
- Taiwan
- Thailand
- Turkey

## Approved Market Securities

"Approved Market Securities" are defined as securities that are associated with an Approved Market, and include, among others: (a) securities of companies that are organized under the laws of, or maintain their principal place of business in, an Approved Market; (b) securities for which the principal trading market is in an Approved Market; (c) securities issued or guaranteed by the government of an Approved Market country, its agencies or instrumentalities, or the central bank of such country; (d) securities denominated in an Approved Market currency issued by companies to finance operations in Approved Markets; (e) securities of companies that derive at least 50% of their revenues or profits from goods produced or sold, investments made or services performed in Approved Markets or have at least 50% of their assets in Approved Markets; (f) Approved Market equity securities in the form of depositary shares; (g) securities of pooled investment vehicles that invest primarily in Approved Markets securities or derivative instruments that derive their value from Approved Market securities; or (h) securities included in the fund's benchmark index. Securities of Approved Markets may include securities of companies that have characteristics and business relationships common to companies in other countries. As a result, the value of the securities of such companies may reflect economic and market forces in such other countries as well as in the Approved Markets. The subadvisor, however, will select only those companies which, in its view, have sufficiently strong exposure to economic and market forces in Approved Markets. For example, the subadvisor may invest in companies organized and located in the United States or other countries outside of Approved Markets, including companies having their entire production facilities outside of Approved Markets, when such companies meet the definition of Approved Market Securities.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Currency risk.** Fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund's investments. Foreign currencies may decline in value, which could negatively impact performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Emerging-market risk.** The risks of investing in foreign securities are magnified in emerging markets. Emerging-market countries may experience higher inflation, interest rates, and unemployment and greater social, economic, and political uncertainties than more developed countries.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Greater China risk.** Investments in the Greater China region may be subject to less developed trading markets, acute political risks such as possible negative repercussions resulting from China's relationship with Taiwan or Hong Kong, and restrictions on monetary repatriation or other adverse government actions. For example, a government may restrict investment in companies or industries considered important to national interests, or intervene in the financial markets, such as by imposing trading restrictions, or banning or curtailing short selling. A small number of companies and industries represent a relatively large portion of the Greater China market.

**Frontier-market risk.** Frontier-market countries generally have smaller economies and less-developed capital markets and political systems than traditional emerging-market countries, which magnifies emerging-market risks.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, options on futures, and options. Foreign currency forward contracts, futures contracts, and options generally are subject to counterparty risk. Derivatives associated with foreign currency transactions are subject to currency risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Quantitative modeling risk.** Quantitative models may not accurately predict future market movements or characteristics, which may negatively impact performance. Models also may perform differently than expected due to implementation problems, technological malfunction, or programming or data inaccuracies, among other possible issues.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Value investing style risk.** The fund emphasizes a value style of investing, which focuses on undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on value equity securities are less than returns on other styles of investing or the overall stock market. Value stocks also may decline in price, even though in theory they are already underpriced.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class, Class NAV. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 49.54%

**Worst quarter:** Q3 '11, -27.28%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-13.60	0.68	7.92	05/01/07
Series II	-13.79	0.57	7.88	05/27/15
Series NAV	-13.48	0.76	7.98	05/01/07
MSCI Emerging Markets Index (reflects no deduction for fees, expenses, or taxes)	-14.25	2.03	8.39	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Dimensional Fund Advisors LP

## Portfolio management

**Jed S. Fogdall**

Head of Global Portfolio Management, Senior Portfolio Manager  
and Vice President  
Managed fund since 2010

**Bhanu P. Singh**

Senior Portfolio Manager and Vice President  
Managed fund since 2015

**Mary T. Phillips, CFA**

Senior Portfolio Manager and Vice President  
Managed fund since 2017

**Mitchell J. Firestein**

Senior Portfolio Manager and Vice President  
Managed fund since 2018

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Equity Income Trust

## Investment objective

To provide substantial dividend income and also long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee <sup>1</sup>	0.70	0.70	0.70
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
<b>Total annual fund operating expenses</b>	<b>0.79</b>	<b>0.99</b>	<b>0.74</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.78</b>	<b>0.98</b>	<b>0.73</b>

<sup>1</sup> "Management fee" has been restated to reflect the contractual management fee schedule effective October 1, 2018.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	80	100	75
<b>3 years</b>	251	314	236
<b>5 years</b>	438	546	410
<b>10 years</b>	977	1,212	917

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 18% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in equity securities, with at least 65% in common stocks of well-established companies paying above-average dividends. The fund typically employs a "value" approach and invests in stocks and other securities that appear to be undervalued by various measures and may be temporarily out of favor but have good prospects for capital appreciation and dividend growth.

Under normal market conditions, substantial dividend income means that the yield on the fund's portfolio securities generally is expected to exceed the yield on the fund's benchmark. The subadvisor believes that income can contribute significantly to total return over time and expects the fund's yield to exceed that of the S&P 500 Index. While the price of a company's stock can go up or down in response to earnings or to fluctuations in the general market, stocks paying a high level of dividend income tend to be less volatile than those with below-average dividends and may help offset losses in falling markets.

The fund will generally consider companies in the aggregate with one or more of the following characteristics:

- established operating histories;
- above-average dividend yield relative to the S&P 500 Index;
- low price/earnings ratios relative to the S&P 500 Index;
- sound balance sheets and other positive financial characteristics; and



- low stock price relative to a company's underlying value, as measured by assets, cash flow or business franchises.

The fund may also purchase other types of securities in keeping with its investment objective, including:

- U.S. dollar- and foreign currency-denominated foreign securities including American Depositary Receipts (ADRs) (up to 25% of total assets);
- preferred stocks;
- convertible stocks, bonds, and warrants;
- futures and options; and
- bank debt, loan participations and assignments.

The fund may invest in fixed-income securities without restrictions on quality or rating, including up to 10% in below-investment-grade fixed-income securities ("junk bonds"). The fund's fixed-income investments may include privately negotiated notes or loans, including loan participations and assignments ("bank loans"). These investments will only be made in companies, municipalities or entities that meet the fund's investment criteria. Direct investments in loans may be illiquid and holding a loan could expose the fund to the risks of being a direct lender. Since the fund invests primarily in equity securities, the risks associated with fixed income securities will not affect the fund as much as they would a fund that invests more of its assets in fixed-income securities.

The fund holds a certain portion of its assets in money market reserves, which can consist of shares of certain internal T. Rowe Price money market funds as well as U.S. dollar and foreign currency-denominated money market securities, including repurchase agreements, in the two highest rating categories, maturing in one year or less.

The fund may sell securities for a variety of reasons such as to secure gains, limit losses or redeploy assets into more promising opportunities.

The fund may invest up to 10% of its total assets in hybrid instruments. Hybrid instruments are a type of high-risk derivative which can combine the characteristics of securities, futures and options. Such securities may bear interest or pay dividends at below market (or even relatively nominal) rates.

In pursuing the fund's investment objective, the subadvisor has the discretion to deviate from its normal investment criteria, as described above, and purchase securities the subadvisor believes will provide an opportunity for substantial appreciation. These special situations might arise when the subadvisor believes a security could increase in value for a variety of reasons including a change in management, an extraordinary corporate event, a new product introduction or a favorable competitive development.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Currency risk.** Fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund's investments. Foreign currencies may decline in value, which could negatively impact performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and

possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts, equity-linked notes (equity-linked notes generally reflect the risks associated with their underlying securities, depend on the credit of the notes' issuer, may be privately placed, and may have a limited secondary market), and options. Futures contracts and options generally are subject to counterparty risk.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Loan participations risk.** Participations and assignments involve special types of risks, including credit risk, interest-rate risk, counterparty risk, liquidity risk, risks associated with extended settlement, and the risks of being a lender.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

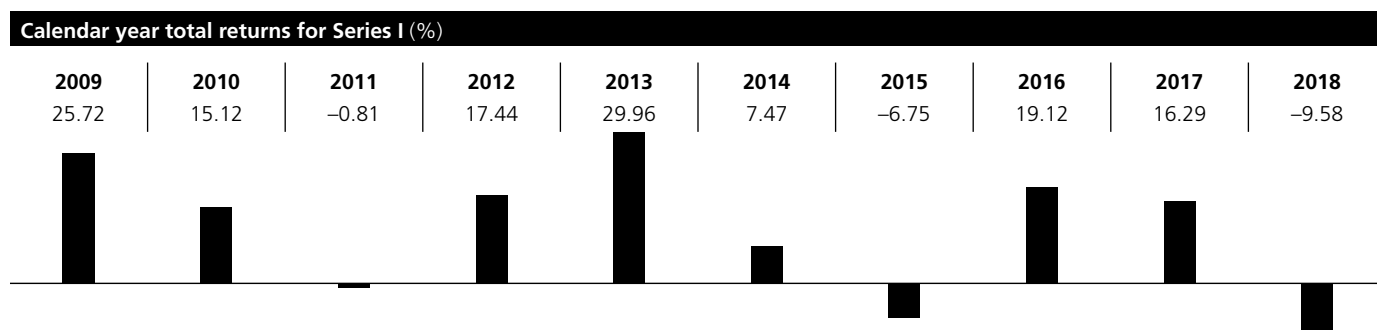
**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Warrants risk.** The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 19.64%

**Worst quarter:** Q3 '11, -15.53%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-9.58	4.65	10.65	02/19/93
<b>Series II</b>	-9.75	4.44	10.43	01/28/02
<b>Series NAV</b>	-9.52	4.71	10.71	02/28/05
Russell 1000 Value Index (reflects no deduction for fees, expenses, or taxes)	-8.27	5.95	11.18	
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** T. Rowe Price Associates, Inc.

## Portfolio management

**John D. Linehan, CFA**

Vice President

Managed fund since 2015

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Financial Industries Trust

## Investment objective

To seek growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.76	0.76	0.76
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.08	0.08	0.08
<b>Total annual fund operating expenses</b>	<b>0.89</b>	<b>1.09</b>	<b>0.84</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.88</b>	<b>1.08</b>	<b>0.83</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	90	110	85
<b>3 years</b>	283	346	267
<b>5 years</b>	492	600	465
<b>10 years</b>	1,095	1,328	1,036

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 25% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowing for investment purposes) in companies that are principally engaged in financial services. (The fund will provide written notice to shareholders at least 60 days prior to a change in its 80% investment policy.) These companies include U.S. and foreign financial services companies of any size including banks, thrifts, finance companies, brokerage and advisory firms, real estate-related firms, insurance companies and financial holding companies. The fund may gain exposure to securities described in these strategies through investing in investment companies and pooled investment vehicles.

In managing the fund, the subadvisor focuses primarily on stock selection rather than industry allocation. In choosing individual stocks, the subadvisor uses fundamental financial analysis to identify securities that appear comparatively undervalued.

The fund concentrates its investments (invests more than 25% of its total assets) in companies that are principally engaged in financial services, and therefore may experience greater volatility than funds investing in a broader range of industries.

Given the industry-wide trend toward consolidation, the subadvisor also invests in companies that appear to be positioned for a merger. The subadvisor generally gathers firsthand information about companies from interviews and company visits.

The fund may invest in U.S. and foreign bonds, including up to 5% of net assets in below investment-grade bonds (i.e., "junk bonds") rated as low as CCC by Standard & Poor's Rating Services (S&P) or Caa by Moody's Investors Service, Inc. (Moody's) and their unrated equivalents. It may also invest up to 15% of net assets in investment-grade short-term securities. The fund's investment policies are based on credit ratings at the time of purchase.

In abnormal circumstances, the fund may temporarily invest up to 80% of its assets in investment-grade short-term securities. In these and other cases, the fund might not achieve its investment objective.

The fund may, to a limited extent, engage in derivative transactions that include futures contracts, options and foreign currency forward contracts, in each case for the purpose of reducing risk, obtaining efficient market exposure and/or enhancing investment returns.

The fund may invest in companies located in emerging market countries.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Banking industry risk.** Commercial banks, savings and loan associations, and holding companies of the foregoing are especially subject to adverse effects of volatile interest rates, concentrations of loans in particular industries, and significant competition. Profitability of these businesses depends significantly upon the availability and cost of capital funds. Commercial banks and savings associations are subject to extensive state regulation.

**Concentration risk.** When a fund focuses on a single industry or sector of the economy, its performance may be largely driven by industry or sector performance and could fluctuate more widely than if the fund were invested more evenly across industries or sectors. Regional bank stocks could suffer losses if interest rates fall or economic conditions deteriorate and as a result of state and federal regulation.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Financial services sector risk.** A fund investing principally in securities of companies in the financial services sector is particularly vulnerable to events affecting that sector. Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, and options. Foreign currency forward contracts, futures contracts, and options generally are subject to counterparty risk. Derivatives associated with foreign currency transactions are subject to currency risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Master limited partnership risk.** MLPs generally reflect the risks associated with their underlying assets and with pooled investment vehicles. MLPs with credit-related holdings are subject to interest-rate risk and risk of default.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

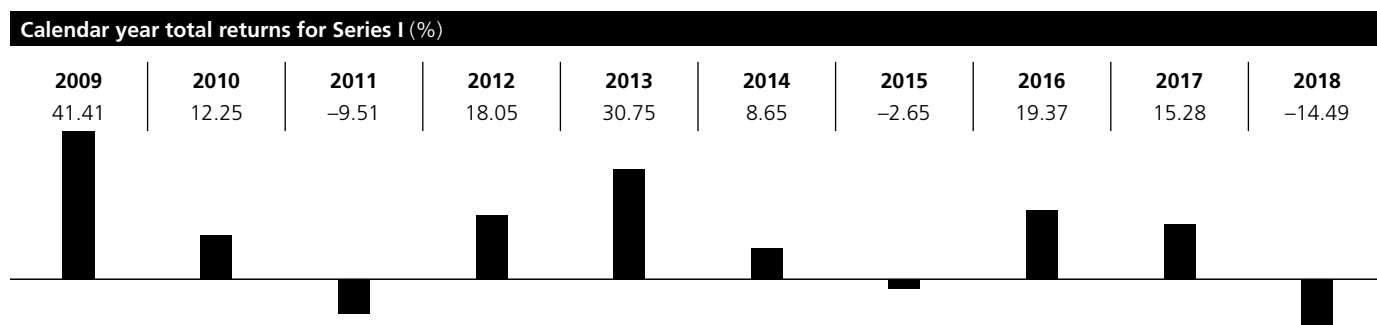
**Real estate securities risk.** Securities of companies in the real estate industry carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Warrants risk.** The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index shows how the fund's performance compares against another broad measure of market performance. The Lipper Financial Services Index shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 27.71%

**Worst quarter:** Q4 '18, -17.19%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-14.49	4.47	10.68	04/30/01
<b>Series II</b>	-14.62	4.27	10.45	01/28/02
<b>Series NAV</b>	-14.38	4.53	10.74	04/29/05
S&P 500 Financials Index (reflects no deduction for fees, expenses, or taxes)	-13.03	8.16	10.92	
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Lipper Financial Services Index (reflects no deduction for fees, expenses, or taxes)	-15.00	5.24	9.83	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Susan A. Curry**

Managing Director and Portfolio Manager  
Managed fund since 2014

**Ryan P. Lentell, CFA**

Managing Director and Portfolio Manager  
Managed fund since 2015

**Lisa A. Welch**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2014

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Fundamental All Cap Core Trust

## Investment objective

To seek long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.68	0.68	0.68
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.03	0.03	0.03
<b>Total annual fund operating expenses</b>	<b>0.76</b>	<b>0.96</b>	<b>0.71</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.75</b>	<b>0.95</b>	<b>0.70</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	77	97	72
<b>3 years</b>	242	305	226
<b>5 years</b>	421	530	394
<b>10 years</b>	941	1,177	882

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 24% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in equity securities. Market capitalizations of these companies will span the capitalization spectrum. Equity securities include common, convertible, and preferred securities and their equivalents.

In managing the fund, the subadvisor looks for companies that are highly differentiated with key growth drivers, sustainable cash flow production, and high returns on capital. The subadvisor seeks to identify companies with sustainable competitive advantages and high barriers to entry, strong management and a focus on creating value for fund shareholders. Both growth and value opportunities are evaluated with an approach that uses the present value of estimated future cash flows as the core methodology for measuring intrinsic value.

The subadvisor employs a disciplined fundamental research process which produces bottom-up company assessments using key assumptions that drive sales, margins, and asset intensity. Scenario analysis is designed to provide a meaningful range of outcomes and the ability to assess investors' embedded expectations. The subadvisor seeks to purchase companies that meet the criteria above when the shares are selling at a significant discount to intrinsic value. Sell decisions are similarly driven by long term fundamental analysis.

The subadvisor constantly reviews portfolio investments and may sell a holding when it has achieved its valuation target, if it believes there is structural or permanent deterioration in the underlying fundamentals of the business, or if it identifies what it believes is a more attractive investment opportunity.



The fund may invest up to 20% of its net assets in equity securities of foreign issuers, including American Depositary Receipts (ADRs) and similar investments. For purposes of reducing risk and/or obtaining efficient investment exposure, the fund may invest in exchange-traded funds (ETFs) and derivative instruments that include options, futures contracts, and swaps. The fund may also invest in U.S. government securities and other short-term securities such as money market instruments and repurchase agreements.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under “Additional Information About the Funds’ Principal Risks — Hedging, derivatives and other strategic transactions risk.”

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Consumer discretionary sector risk.** The consumer discretionary sector may be affected by fluctuations in supply and demand, and may also be adversely affected by changes in consumer spending as a result of world events, political and economic conditions, commodity price volatility, changes in exchange rates, imposition of import controls, increased competition, depletion of resources, and labor relations.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF’s portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize if any, include: futures contracts, interest-rate swaps, options and swaps. Futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligations.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

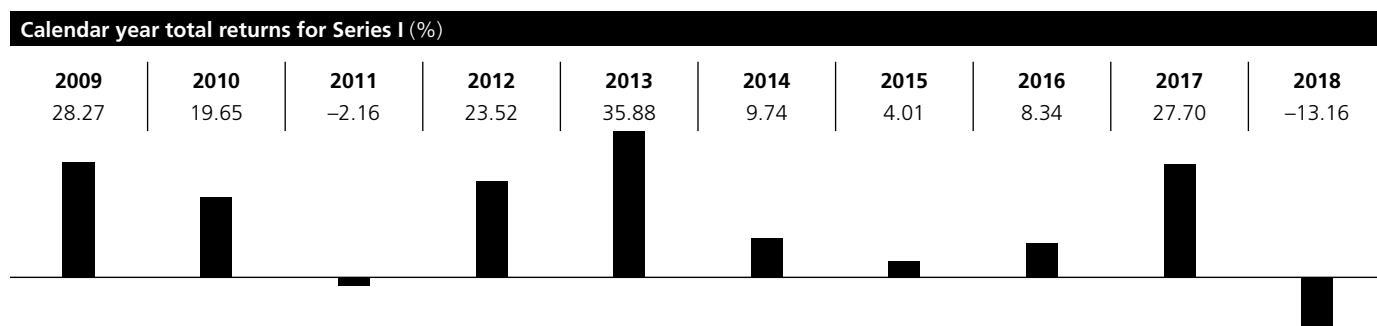
**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 18.02%

**Worst quarter:** Q4 '18, -18.97%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-13.16	6.52	13.20	05/05/03
Series II	-13.34	6.31	12.97	05/05/03
Series NAV	-13.16	6.57	13.25	04/29/05
Russell 3000 Index (reflects no deduction for fees, expenses, or taxes)	-5.24	7.91	13.18	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Emory (Sandy) Sanders, CFA**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2011

**Jonathan T. White, CFA**

Managing Director and Senior Portfolio Manager  
Managed fund since 2015

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Fundamental Large Cap Value Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.66	0.66	0.66
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
<b>Total annual fund operating expenses</b>	<b>0.75</b>	<b>0.95</b>	<b>0.70</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.74</b>	<b>0.94</b>	<b>0.69</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	76	96	70
<b>3 years</b>	239	302	223
<b>5 years</b>	416	525	389
<b>10 years</b>	929	1,165	870

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 31% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets in equity securities of large-capitalization companies. The fund considers large-capitalization companies to be those that at the time of purchase have a market capitalization equal to or greater than that of the top 80% of the companies that comprise the Russell 1000 Index. As of February 28, 2019, the lowest market capitalization in this group was \$4.9 billion. Equity securities include common, convertible, and preferred securities and their equivalents.

In managing the fund, the subadvisor looks for companies that are highly differentiated with key growth drivers, sustainable cash flow production, and high returns on capital. The subadvisor seeks to identify companies with sustainable competitive advantages and high barriers to entry, strong management and a focus on creating value for fund shareholders. Value opportunities are evaluated with an approach that uses the present value of estimated future cash flows as the core methodology for measuring intrinsic value.

The subadvisor employs a disciplined fundamental research process which produces bottom-up company assessments using key assumptions that drive sales, margins, and asset intensity. Scenario analysis is designed to provide a meaningful range of outcomes and the ability to assess investors' embedded expectations. The subadvisor seeks to purchase companies that meet the criteria above when the shares are selling at a significant discount to intrinsic value. Sell decisions are similarly driven by long term fundamental analysis.

The subadvisor constantly reviews portfolio investments and may sell a holding when it has achieved its valuation target, if it believes there is structural or permanent deterioration in the underlying fundamentals of the business, or if it identifies what it believes is a more attractive investment opportunity.

The fund may invest up to 20% of its net assets in equity securities of foreign issuers, including American Depositary Receipts (ADRs) and similar investments. For purposes of reducing risk and/or obtaining efficient investment exposure, the fund may invest in exchange-traded funds (ETFs) and derivative instruments that include options, futures contracts, and swaps. The fund may also invest in U.S. government securities and other short-term securities such as money market instruments and repurchase agreements.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts, options, and swaps. Futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

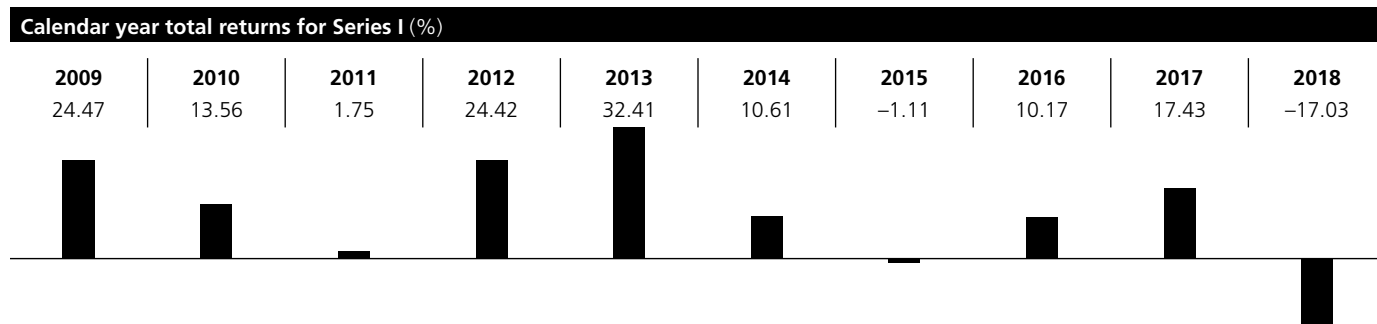
**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Value investing style risk.** The fund emphasizes a value style of investing, which focuses on undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on value equity securities are less than returns on other styles of investing or the overall stock market. Value stocks also may decline in price, even though in theory they are already underpriced.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 18.95%

**Worst quarter:** Q4 '18, -17.15%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-17.03	3.26	10.77	05/03/04
Series II	-17.23	3.05	10.56	05/03/04
Series NAV	-17.03	3.31	10.83	02/28/05
Russell 1000 Value Index (reflects no deduction for fees, expenses, or taxes)	-8.27	5.95	11.18	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Emory (Sandy) Sanders, CFA**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2011

**Nicholas Renart**

Managing Director, Portfolio Manager  
Managed fund since 2015

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Global Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.82	0.82	0.82
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses <sup>1</sup>	0.10	0.10	0.10
<b>Total annual fund operating expenses</b>	<b>0.97</b>	<b>1.17</b>	<b>0.92</b>
Contractual expense reimbursement <sup>2</sup>	-0.03	-0.03	-0.03
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.94</b>	<b>1.14</b>	<b>0.89</b>

<sup>1</sup> "Other expenses" have been restated from fiscal year amounts to reflect current fees and expenses.

<sup>2</sup> The advisor contractually agrees to waive its management fee so that the amount retained by the advisor after payment of subadvisory fees does not exceed 0.45% of the fund's average daily net assets. The current expense limitation agreement expires on April 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	96	116	91
<b>3 years</b>	306	369	290
<b>5 years</b>	533	641	506
<b>10 years</b>	1,187	1,418	1,129

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 30% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests primarily in the equity securities of companies located throughout the world, including emerging markets. Although the fund seeks investments across a number of countries and sectors, from time to time, based on economic conditions, the fund may have significant positions in particular countries or sectors. The fund may invest in companies of any size, including small and medium capitalization companies.

Depending upon current market conditions, the fund may invest up to 25% of its total assets in debt securities of companies and governments located anywhere in the world. Debt securities represent the obligation of the issuer to repay a loan of money to it, and generally pay interest to the holder. Bonds, notes and debentures are examples of debt securities. The fund may invest in depository receipts. Equity securities may include, among other things, common stocks, preferred stocks and convertible securities. The fund may lend certain of its portfolio securities to qualified banks and broker dealers. The fund may invest in equity-linked notes, the value of which is tied to a single stock or a basket of stocks.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under "Additional Information About the Funds' Principal Risks — Hedging, derivatives and other strategic transactions risk" including entering into option transactions.

When choosing equity investments for the fund, the subadvisor applies a “bottom up,” value-oriented, long-term approach, focusing on the market price of a company’s securities relative to the subadvisor’s evaluation of the company’s long-term earnings, asset value and cash flow potential. The subadvisor also considers a company’s price/earnings ratio, price/cash flow ratio, profit margins and liquidation value.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, options, credit default swaps, swaps, and equity-linked notes (equity-linked notes generally reflect the risks associated with their underlying securities, depend on the credit of the note’s issuer, may be privately placed, and may have a limited secondary market). Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

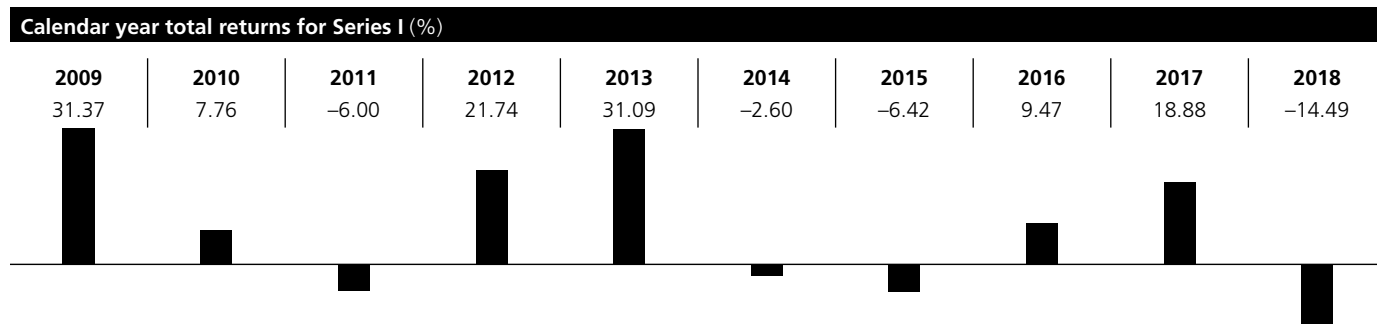
**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer’s board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock’s value can depend heavily upon the underlying common stock’s value.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 19.16%

**Worst quarter:** Q3 '11, -20.19%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-14.49	0.28	7.97	03/18/88
Series II	-14.65	0.08	7.75	01/28/02
Series NAV	-14.42	0.34	8.03	04/29/05
MSCI World Index (reflects no deduction for fees, expenses, or taxes)	-8.20	5.14	10.29	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Templeton Global Advisors Limited

## Portfolio management

**Norman J. Boersma, CFA**

Chief Investment Officer; President;  
Lead Portfolio Manager  
Managed fund since 2011

**Heather Arnold, CFA**

Executive Vice President; Portfolio Manager;  
Director of Research  
Managed fund since 2015

**Peter M. Moeschter, CFA**

Executive Vice President; Portfolio Manager;  
Research Analyst  
Managed fund since 2019

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.



# Global Bond Trust

## Investment objective

To seek maximum total return, consistent with preservation of capital and prudent investment management.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.70	0.70	0.70
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.09	0.09	0.09
<b>Total annual fund operating expenses</b>	<b>0.84</b>	<b>1.04</b>	<b>0.79</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.83</b>	<b>1.03</b>	<b>0.78</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	85	105	80
<b>3 years</b>	267	330	251
<b>5 years</b>	465	573	438
<b>10 years</b>	1,036	1,270	977

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 35% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in fixed-income instruments that are economically tied to at least three countries (one of which may be the United States). These fixed-income instruments may be denominated in foreign currencies or in U.S. dollars, and may be represented by forwards or derivatives, such as options, futures contracts, or swap agreements.

In selecting securities for the fund, the subadvisor utilizes economic forecasting, interest rate anticipation, credit and call risk analysis, foreign currency exchange rate forecasting, and other security selection techniques. The proportion of the fund's assets committed to investment in securities with particular characteristics (such as maturity, type and coupon rate) will vary based on the subadvisor's outlook for the U.S. and foreign economies, the financial markets, and other factors.

The types of fixed-income securities in which the fund may invest include the following securities which, unless otherwise noted, may be issued by domestic or foreign issuers and may be denominated in U.S. dollars or foreign currencies:

- securities issued or guaranteed by the U.S. government, its agencies or government-sponsored enterprises;
- corporate debt securities of U.S. and foreign issuers, including convertible securities and corporate commercial paper;
- mortgage-backed and other asset-backed securities;
- inflation-indexed bonds issued by both governments and corporations;

- bank capital and trust preferred securities;
- structured notes, including hybrid or “indexed” securities and event-linked bonds;
- loan participations and assignments;
- delayed funding loans and revolving credit facilities;
- bank certificates of deposit, fixed time deposits and bankers’ acceptances;
- debt securities issued by states or local governments and their agencies, authorities and other government-sponsored enterprises;
- repurchase agreements and reverse repurchase agreements;
- obligations of foreign governments or their subdivisions, agencies and government-sponsored enterprises; and
- obligations of international agencies or supranational entities.

Fixed-income securities may have fixed, variable, or floating rates of interest, including rates of interest that vary inversely at a multiple of a designated or floating rate, or that vary according to change in relative values of currencies.

Depending on the subadvisor’s current opinion as to the proper allocation of assets among domestic and foreign issuers, investments that are economically tied to foreign (non-U.S.) countries will normally be at least 25% of the fund’s net assets. The fund may invest, without limitation, in securities and instruments that are economically tied to emerging countries. The fund may invest up to 20% of its total assets in fixed-income securities that are rated below investment grade of any rating. The fund may invest in baskets of foreign currencies (such as the euro) and directly in currencies. The average portfolio duration of the fund normally varies within three years (plus or minus) of the duration of the benchmark index, as calculated by the subadvisor.

The fund’s investment process may, at times, result in a higher than average portfolio turnover ratio and increased trading expenses.

The fund may make short sales of a security including short sales “against the box.”

The fund is non-diversified, which means that it may invest in a smaller number of issuers than a diversified fund and may invest more of its assets in the securities of a single issuer.

The fund may:

- purchase and sell options on domestic and foreign securities, securities indexes and currencies,
- purchase and sell futures and options on futures,
- purchase and sell currency or securities on a forward basis, and
- enter into interest rate, index, equity, total return, currency, and credit default swap agreements.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Currency risk.** Fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund’s investments. Foreign currencies may decline in value, which could negatively impact performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: credit default swaps, foreign currency forward contracts, foreign currency swaps, futures contracts, interest-rate swaps, inverse floating-rate securities, reverse repurchase agreements, options, options on futures, swaps, and total return swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk. An event of default or insolvency of the counterparty to a reverse repurchase agreement could result in delays or restrictions with respect to the fund's ability to dispose of the underlying securities, in addition, a reverse repurchase agreement may be considered a form of leverage and may, therefore, increase fluctuations in the fund's net asset value per share (NAV).

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Loan participations risk.** Participations and assignments involve special types of risks, including credit risk, interest-rate risk, counterparty risk, liquidity risk, risks associated with extended settlement, and the risks of being a lender.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Non-diversified risk.** Adverse events affecting a particular issuer or group of issuers may magnify losses for non-diversified funds, which may invest a large portion of assets in any one issuer or a small number of issuers.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

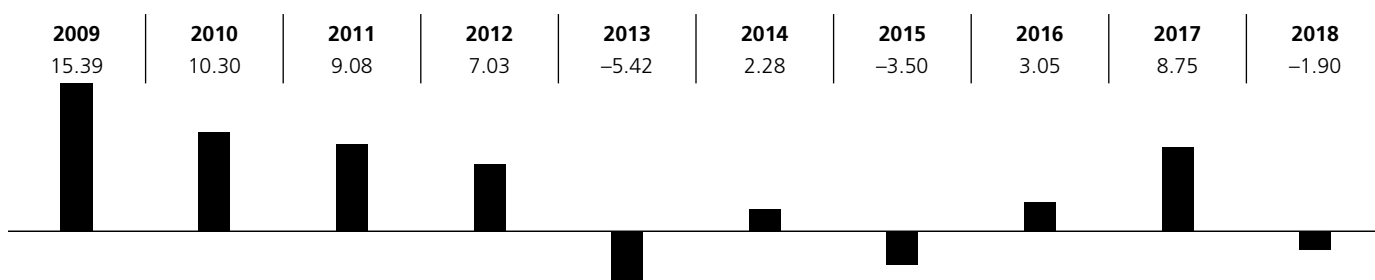
**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

### Calendar year total returns for Series I (%)



**Best quarter:** Q3 '09, 11.03%

**Worst quarter:** Q4 '16, -7.74%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-1.90	1.65	4.31	03/21/88
Series II	-2.03	1.46	4.11	01/28/02
Series NAV	-1.74	1.72	4.36	02/28/05
Bloomberg Barclays Global Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	-1.20	1.08	2.49	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Pacific Investment Management Company LLC

## Portfolio management

**Andrew Balls**

Portfolio Manager

Managed fund since 2015

**Sachin Gupta**

Portfolio Manager

Managed fund since 2015

**Lorenzo Pagani, Ph.D.**

Portfolio Manager

Managed fund since 2015

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Health Sciences Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	1.04	1.04	1.04
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.07	0.07	0.07
<b>Total annual fund operating expenses</b>	<b>1.16</b>	<b>1.36</b>	<b>1.11</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.15</b>	<b>1.35</b>	<b>1.10</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	117	137	112
<b>3 years</b>	367	430	352
<b>5 years</b>	637	744	611
<b>10 years</b>	1,408	1,634	1,351

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 42% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in common stocks of companies engaged, at the time of investment, in the research, development, production, or distribution of products or services related to health care, medicine, or the life sciences (collectively, "health sciences").

While the fund may invest in companies of any size, the majority of its assets are expected to be invested in large- and mid-capitalization companies.

The subadvisor's portfolio managers divide the health sciences sector into four main areas: pharmaceutical companies, health care services companies, medical products and devices providers, and biotechnology firms. Their allocation among these four areas will vary depending on the relative potential within each area and the outlook for the overall health sciences sector. While most assets will be invested in U.S. common stocks, the fund may purchase other securities, including foreign securities, futures, and options in keeping with its investment objective. In addition, the fund writes call and put options primarily as a means of generating additional income. The fund may also use options to seek protection against a decline in the value of its securities or an increase in prices of securities that may be purchased. Normally, the fund will own the securities on which it writes these options. The premium income received by writing covered calls can help reduce but not eliminate portfolio volatility.

The fund concentrates its investments (invests more than 25% of its total assets) in securities of companies in the health sciences sector, a comparatively narrow segment of the economy, and therefore may experience greater volatility than funds investing in a broader range of industries.

In managing the fund, the subadvisor uses a fundamental, bottom-up analysis that seeks to identify high quality companies and the most compelling investment opportunities. In general, the fund will follow a growth investment strategy, seeking companies whose earnings are expected to grow

faster than inflation and the economy in general. When stock valuations seem unusually high, however, a “value” approach, which gives preference to seemingly undervalued companies, may also be emphasized.

The fund may invest up to 35% of its total assets in foreign securities (including emerging market securities) and may have exposure to foreign currencies through its investment in these securities, its direct holdings of foreign currencies or through its use of foreign currency exchange contracts for the purchase or sale of a fixed quantity of a foreign currency at a future date.

In pursuing its investment objective, the fund’s management has the discretion to purchase some securities that do not meet its normal investment criteria, as described above, when it perceives an opportunity for substantial appreciation. These situations might arise when the fund’s management believes a security could increase in value for a variety of reasons including a change in management, an extraordinary corporate event, or a new product introduction or innovation or a favorable competitive development.

The fund holds a certain portion of its assets in money market reserves, which can consist of shares of certain internal T. Rowe Price money market funds as well as U.S. dollar and foreign currency-denominated money market securities, including repurchase agreements, in the two highest rating categories, maturing in one year or less.

The fund may sell securities for a variety of reasons such as to secure gains, limit losses or redeploy assets into more promising opportunities.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under “Additional Information About the Funds’ Principal Risks — Hedging, derivatives and other strategic transactions risk” including entering into option transactions.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Concentration risk.** Because the fund may focus on one or more industries or sectors of the economy, its performance depends in large part on the performance of those sectors or industries. As a result, the value of an investment may fluctuate more widely than it would in a fund that is diversified across industries and sectors.

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hong Kong Stock Connect Program (Stock Connect) risk.** China A-Shares listed and traded on certain Chinese stock exchanges through Stock Connect, a mutual market access program designed to, among other things, enable foreign investment in the People’s Republic of China (PRC) via brokers in Hong Kong, are subject to a number of restrictions imposed by Chinese securities regulations and local exchange listing rules. Because Stock Connect was established in November 2014, developments are likely, which may restrict or otherwise affect the fund’s investments or returns. Furthermore, any changes in laws, regulations and policies of the China A-Shares market or rules in relation to Stock Connect may affect China A-Share prices. These risks are heightened by the underdeveloped state of the PRC’s investment and banking systems in general.

**Healthcare sector risk.** Health sciences companies may be significantly affected by product obsolescence, thin capitalization, limited product lines and markets, civil liability claims, and legislative or regulatory activities, among other factors.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, and options. Foreign currency forward contracts, futures contracts, and options generally are subject to counterparty risk. Derivatives associated with foreign currency transactions are subject to currency risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

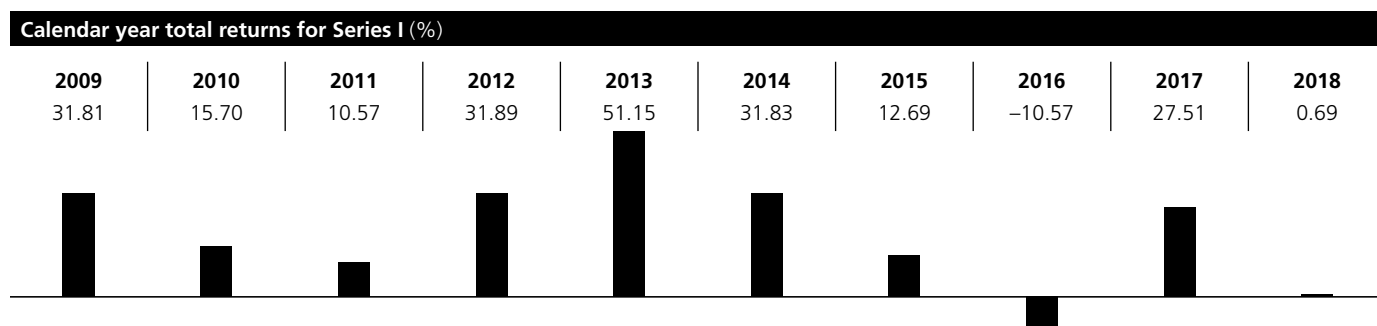
**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Lipper Health/Biotechnology Index shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q1 '12, 18.02%

**Worst quarter:** Q4 '18, -16.07%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	0.69	11.27	19.08	04/30/01
Series II	0.52	11.05	18.85	01/28/02
Series NAV	0.76	11.33	19.15	04/29/05
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Lipper Health/Biotechnology Index (reflects no deduction for fees, expenses, or taxes)	3.07	10.19	16.60	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** T. Rowe Price Associates, Inc.

## Portfolio management

**Ziad Bakri, MD, CFA**

Vice President

Managed fund since 2016

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# High Yield Trust

## Investment objective

To realize an above-average total return over a market cycle of three to five years, consistent with reasonable risk.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.69	0.69	0.69
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.09	0.09	0.09
<b>Total annual fund operating expenses</b>	<b>0.83</b>	<b>1.03</b>	<b>0.78</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.82</b>	<b>1.02</b>	<b>0.77</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	84	104	79
<b>3 years</b>	264	327	248
<b>5 years</b>	460	568	432
<b>10 years</b>	1,024	1,259	965

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 54% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) at the time of investment in high yield securities. The fund's investments may include corporate bonds, preferred stocks, U.S. government and foreign securities, mortgage-backed securities, loan assignments or participations and convertible securities which have the following ratings (or, if unrated, are considered by the subadvisor to be of equivalent quality):

### **Corporate Bonds, Preferred Stocks and Convertible Securities**

Moody's Investors Service, Inc. . . . . Ba through C

Standard & Poor's Ratings. . . . . BB through D

Below-investment-grade securities are commonly referred to as "junk bonds." The fund may also invest in investment-grade securities.

As part of its investment strategy, the fund will generally invest without restrictions within these ratings category ranges, or in unrated securities considered to be of equivalent quality by the subadvisor.

The fund may invest in foreign bonds and other fixed-income securities denominated in foreign currencies, where, in the opinion of the subadvisor, the combination of current yield and currency value offer attractive expected returns. Foreign securities in which the fund may invest include emerging market securities. The fund may invest up to 100% of its assets in foreign securities.



The fund may also enter into various derivative transactions for both hedging and non-hedging purposes, including for purposes of enhancing returns. These derivative transactions include, but are not limited to, futures, options, swaps and forwards. In particular, the fund may use interest rate swaps, credit default swaps (on individual securities and/or baskets of securities), futures contracts and/or mortgage-backed securities to a significant extent, although the amounts invested in these instruments may change from time to time.

The fund may invest in fixed- and floating-rate loans, generally in the form of loan participations and assignments of such loans.

The fund normally maintains an average portfolio duration of between three and seven years. However, the fund may invest in individual securities of any duration. Duration is an approximate measure of the sensitivity of the market value of a security to changes in interest rates.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: credit default swaps; foreign currency forward contracts; foreign currency swaps; futures contracts; interest-rate swaps; and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Loan participations risk.** Participations and assignments involve special types of risks, including credit risk, interest-rate risk, counterparty risk, liquidity risk, risks associated with extended settlement, and the risks of being a lender.

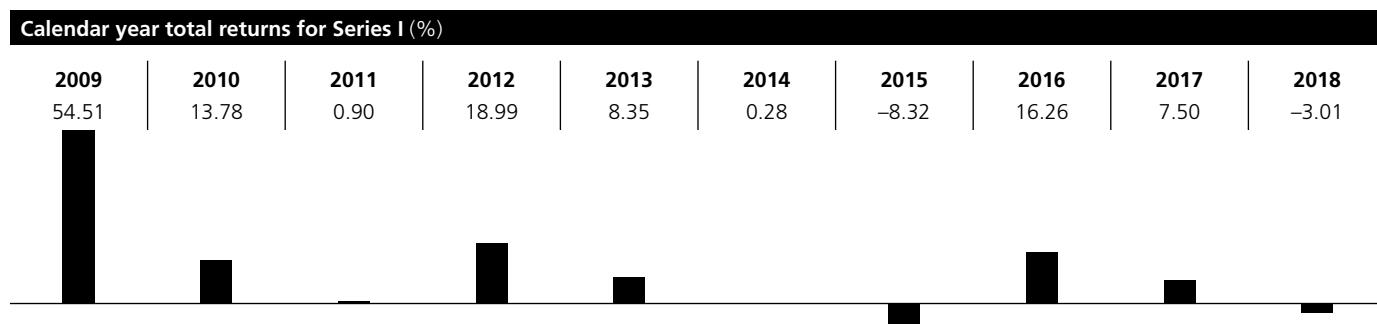
**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 24.28%

**Worst quarter:** Q3 '11, -7.71%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-3.01	2.19	9.81	01/02/97
<b>Series II</b>	-3.15	1.98	9.59	01/28/02
<b>Series NAV</b>	-3.02	2.23	9.85	02/28/05
Bloomberg Barclays U.S. High Yield 2% Issuer Capped Index* (reflects no deduction for fees, expenses, or taxes)	-2.08	3.84	11.14	
FTSE High Yield Market Index** (reflects no deduction for fees, expenses, or taxes)	-2.13	3.49	10.62	

\*Prior to January 1, 2019, the fund compared its performance to the FTSE High Yield Market Index. As of this date, to better reflect the universe of investment opportunities based on the fund's investment strategy, the fund replaced the FTSE High Yield Market Index with the Bloomberg Barclays U.S. High Yield 2% Issuer Capped Index as the benchmark to which the fund compares its performance.

\*\*Formerly known as Citigroup High Yield Market Index.

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Western Asset Management Company, LLC

**Sub-Subadvisor** Western Asset Management Company Limited

## Portfolio management

**Michael C. Buchanan**  
Deputy Chief Investment Officer  
Managed fund since 2006

**Walter E. Kilcullen**  
Head of US High Yield  
Managed fund since 2018

**S. Kenneth Leech**  
Chief Investment Officer  
Managed fund since 2014

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# International Equity Index Trust

## Investment objective

To seek to track the performance of a broad-based equity index of foreign companies primarily in developed countries and, to a lesser extent, in emerging markets.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.53	0.53	0.53
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.08	0.08	0.08
<b>Total annual fund operating expenses</b>	<b>0.66</b>	<b>0.86</b>	<b>0.61</b>
Contractual expense reimbursement <sup>1</sup>	-0.27	-0.27	-0.27
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.39</b>	<b>0.59</b>	<b>0.34</b>

<sup>1</sup> The advisor contractually agrees to reduce its management fee or, if necessary, make payment to the fund in an amount equal to the amount by which expenses of the fund exceed 0.34% of average daily net assets of the fund. For purposes of this agreement, "expenses of the fund" means all fund expenses, excluding (a) taxes, (b) brokerage commissions, (c) interest expense, (d) litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, (e) class-specific expenses, (f) borrowing costs, (g) prime brokerage fees, (h) acquired fund fees and expenses paid indirectly, and (i) short dividend expense. This agreement expires on April 30, 2020, unless renewed by mutual agreement of the advisor and the fund based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	40	60	35
<b>3 years</b>	184	247	168
<b>5 years</b>	341	450	313
<b>10 years</b>	797	1,036	736

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 2% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its assets in securities listed in the MSCI All Country World Excluding U.S. Index (the "Index"), or American Depositary Receipts (ADRs) or Global Depositary Receipts (GDRs) representing such securities. As of February 28, 2019, the market capitalization range of the Index was \$36 million to \$277 billion.

The fund is an index fund and differs from an actively-managed fund. Actively-managed funds seek to outperform their benchmark indices through research and analysis. Over time, their performance may differ significantly from their benchmark indices. Index funds are passively managed funds that seek to track the risk and return profile of market indices. An index is an unmanaged group of securities whose overall performance is used as an investment benchmark. Indices may track broad investment markets, such as the global equity market, or more narrow investment markets, such as the U.S. small cap equity market. However, an index fund has operating expenses and transaction costs, while a market index does not. Therefore, the fund, while it attempts to track its target index, typically will be unable to match the performance of the index exactly due to such fees and expenses.

The fund uses "sampling" methodology in seeking to track the total return performance of the Index. This means that the fund does not intend and is not required to purchase all of the securities in the Index, but rather intends to hold a representative sample of the securities in the Index in an effort to achieve the fund's investment objective. The quantity of holdings in the fund will be based on a number of factors, including asset size of the fund.

Although the subadvisor generally expects the fund to hold less than the total number of securities in the Index, it reserves the right to hold as many securities as it believes necessary to achieve the fund's investment objective.

The fund is normally fully invested. The subadvisor invests in stock index futures to maintain market exposure and manage cash flow. Although the subadvisor may employ foreign currency hedging techniques, it normally maintains the currency exposure of the underlying equity investments.

The fund may purchase other types of securities that are not primary investment vehicles, for example, European Depositary Receipts (EDRs), certain exchange-traded funds (ETFs), cash equivalents, and certain derivatives (investments whose value is based on indices or other securities). In addition, the fund may invest in securities that are not included in the Index, including futures, options, swap contracts and other derivatives, cash and cash equivalents or money market instruments, such as repurchase agreements and money market funds (including money market funds advised by the advisor or subadvisor).

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts, options, and swaps. Futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

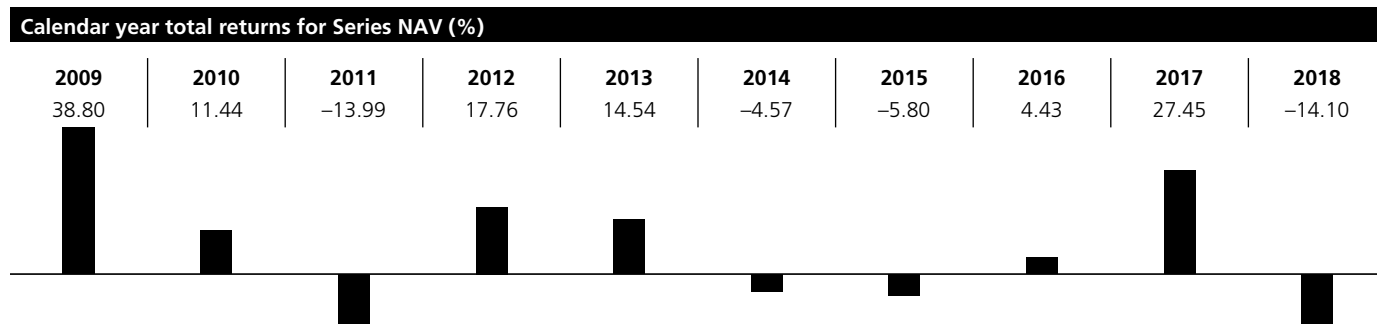
**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a

share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 27.40%

**Worst quarter:** Q3 '11, -21.02%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-14.09	0.50	6.28	11/05/12
<b>Series II</b>	-14.27	0.29	6.15	11/05/12
<b>Series NAV</b>	-14.10	0.55	6.31	04/29/05
MSCI All Country World ex-USA Index (reflects no deduction for fees, expenses, or taxes)	-13.78	1.14	7.06	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** SSGA Funds Management, Inc.

## Portfolio management

**Thomas Coleman, CFA**

Vice President

Managed fund since 2005

**Karl Schneider, CAIA**

Managing Director

Managed fund since 2007

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# International Growth Stock Trust

## Investment objective

The fund seeks to achieve long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee <sup>1</sup>	0.82	0.82	0.82
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses <sup>2</sup>	0.19	0.19	0.19
Acquired fund fees and expenses <sup>3</sup>	0.01	0.01	0.01
<b>Total annual fund operating expenses<sup>4</sup></b>	<b>1.07</b>	<b>1.27</b>	<b>1.02</b>
Contractual expense reimbursement <sup>5</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.06</b>	<b>1.26</b>	<b>1.01</b>

<sup>1</sup> "Management fee" has been restated from the fiscal year amount to reflect current asset levels.

<sup>2</sup> "Other expenses" have been restated from fiscal year amounts to reflect current asset levels.

<sup>3</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>4</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>5</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	108	128	103
<b>3 years</b>	339	402	324
<b>5 years</b>	589	696	562
<b>10 years</b>	1,305	1,533	1,247

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 46% of the average value of its portfolio.

## Principal investment strategies

The fund invests primarily in a diversified portfolio of international securities whose issuers are considered by the fund's subadvisor to have potential for earnings or revenue growth. The fund will, under normal circumstances, invest at least 80% of its net assets (plus any borrowings for investment purposes) in stocks. The fund invests primarily in the securities of large-capitalization issuers; however, the fund may invest a significant amount of its net assets in the securities of mid-capitalization issuers.

The fund invests primarily in equity and depositary receipts of in foreign issuers. The principal types of equity securities in which the fund invests are common and preferred stock. The fund's equity securities investments include China-A Shares (shares of companies based in mainland China that trade on the Shanghai Stock Exchange and the Shenzhen Stock Exchange). The fund invests, under normal circumstances, in issuers economically tied to at least three countries outside of the U.S. The fund may also invest in issuers located in developing countries (emerging markets). Under normal circumstances, the maximum percentage of the fund's net assets that may be invested in these issuers is 1.25 times of the emerging market weight of the MSCI All Country World ex-USA Growth Index.

The fund invests primarily in the securities of large-capitalization issuers and may invest a significant amount of its net assets in the securities of mid-capitalization issuers. The fund can invest in derivative instruments including forward foreign currency contracts and futures. The fund can utilize forward foreign currency contracts to hedge against adverse movements in the foreign currencies in which portfolio securities are denominated, though the fund has not typically used these instruments. The fund can also invest in futures contracts to gain exposure to the broad market in connection with managing cash balances or to hedge against downside risk. The fund has the ability to hedge currency exposures created by its investments in foreign securities.

The portfolio managers employ a disciplined investment strategy that emphasizes fundamental research. The fundamental research primarily focuses on identifying quality growth companies and is supported by quantitative analysis, portfolio construction and risk management. Investments for the portfolio are selected bottom-up on a security-by-security basis. The focus is on the strengths of individual issuers, rather than sector or country trends.

The portfolio managers' strategy primarily focuses on identifying issuers that they believe have sustainable earnings growth, efficient capital allocation, and attractive prices.

The fund's portfolio managers may consider selling a security for several reasons, including when (1) its price changes such that they believe it has become too expensive, (2) the original investment thesis for the company is no longer valid, or (3) a more compelling investment opportunity is identified.

Use of Hedging and Other Strategic Transactions. The fund is authorized to use various hedging, derivatives and other strategic transactions, including, but not limited to, U.S. Treasury futures and options, index derivatives, credit default swaps and currency forwards, described under "Additional Information about the Funds' Principal Risks – Hedging, derivatives and other strategic transactions risk."

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk based on the nature of their support.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hong Kong Stock Connect Program (Stock Connect) risk.** China A-Shares listed and traded on certain Chinese stock exchanges through Stock Connect, a mutual market access program designed to, among other things, enable foreign investment in the People's Republic of China (PRC) via brokers in Hong Kong, are subject to a number of restrictions imposed by Chinese securities regulations and local exchange listing rules. Because Stock Connect was established in November 2014, developments are likely, which may restrict or otherwise affect the fund's investments or returns. Furthermore, any changes in laws, regulations and policies of the China A-Shares market or rules in relation to Stock Connect may affect China A-Share prices. These risks are heightened by the underdeveloped state of the PRC's investment and banking systems in general.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, options, and credit default swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and

settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

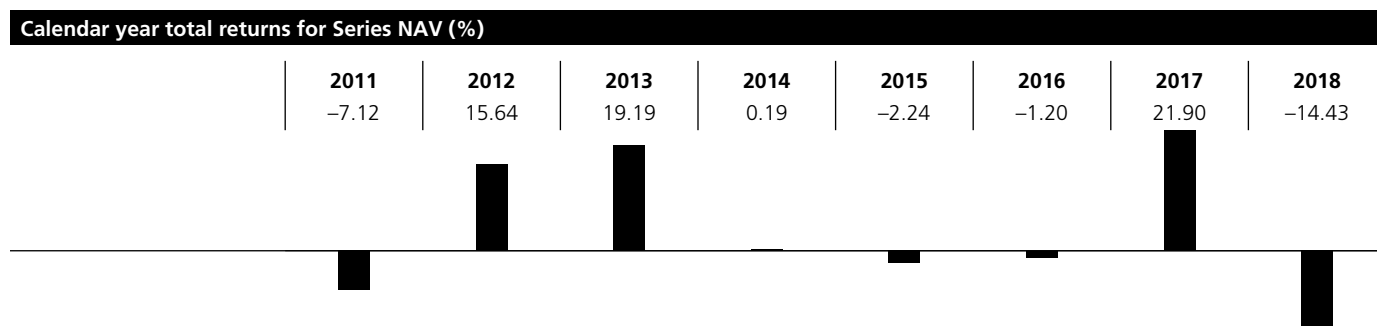
**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The MSCI EAFE Growth Index shows how the fund's performance compares against the returns of similar investments. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '13, 10.86%

**Worst quarter:** Q3 '11, -18.11%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
Series I	-14.43	0.15	4.20	11/05/12
Series II	-14.61	-0.05	4.04	11/05/12
Series NAV	-14.43	0.19	4.23	09/16/10
MSCI All Country World ex-USA Growth Index (reflects no deduction for fees, expenses, or taxes)	-14.10	2.06	4.49	09/16/10
MSCI EAFE Growth Index (reflects no deduction for fees, expenses, or taxes)	-12.48	2.00	5.47	09/16/10

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Invesco Advisers, Inc.

## Portfolio management

**Clas Olsson**

Portfolio Manager

Managed fund since 2010

**Mark Jason**

Portfolio Manager

Managed fund since 2011

**Brently Bates**

Portfolio Manager

Managed fund since 2013

**Richard Nield**

Portfolio Manager

Managed fund since 2013

**Matthew Dennis**

Portfolio Manager

Managed fund since 2010



## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# International Small Company Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.95	0.95	0.95
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses <sup>1</sup>	0.14	0.14	0.14
<b>Total annual fund operating expenses</b>	<b>1.14</b>	<b>1.34</b>	<b>1.09</b>
Contractual expense reimbursement <sup>2</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.13</b>	<b>1.33</b>	<b>1.08</b>

<sup>1</sup> "Other expenses" have been restated from fiscal year amounts to reflect current fees and expenses.

<sup>2</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	115	135	110
<b>3 years</b>	361	424	346
<b>5 years</b>	627	733	600
<b>10 years</b>	1,385	1,612	1,328

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 20% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in securities of small cap companies in the particular markets in which the fund invests. Based on market capitalization data as of February 28, 2019, the maximum market capitalization of a small company eligible for purchase would be below \$5,794 million. This threshold will vary by country or region. The fund will primarily invest in a broad and diverse group of equity securities of foreign small companies of developed markets, but may also hold equity securities of companies located in emerging markets.

The fund invests its assets in securities listed on bona fide securities exchanges or traded on the over-the-counter markets, including securities listed or traded in the form of International Depositary Receipts (IDRs), American Depositary Receipts (ADRs), European Depositary Receipts (EDRs), Global Depositary Receipts (GDRs), Non-Voting Depositary Receipts (NVDRs) and other similar securities, including dual-listed securities. Each of these securities may be traded within or outside the issuer's domicile country.

The subadvisor measures company size on a country or region specific basis and based primarily on market capitalization. In the countries or regions authorized for investment, the subadvisor first ranks eligible companies listed on selected exchanges based on the companies' market capitalizations. The subadvisor then determines the universe of eligible stocks by defining the maximum market capitalization of a small company that may be purchased by the fund with respect to each country or region. This threshold will vary by country or region, and dollar amounts will change due to market conditions.

The fund intends to purchase securities in each applicable country using a market capitalization weighted approach. The subadvisor, using this approach and its judgment, will seek to set country weights based on the relative market capitalizations of eligible small companies within each country. See “Market Capitalization Weighted Approach” below. The weightings of countries in the fund may vary from their weightings in international indices, such as those published by FTSE International or MSCI.

The fund also may use derivatives such as futures contracts and options on futures contracts, to adjust market exposure based on actual or expected cash inflows to or outflows from the fund. The fund does not intend to use derivatives for purposes of speculation or leveraging investment returns. The fund may enter into futures contracts and options on futures contracts for foreign or U.S. equity securities and indices. The fund may also enter into forward currency contracts to facilitate the settlement of equity purchases of foreign securities, repatriation of foreign currency balances or exchange of one foreign currency for another currency. In addition to money market instruments and other short-term investments, the fund may invest in affiliated and unaffiliated unregistered money market funds to manage the fund’s cash pending investment in other securities or to maintain liquidity for the payment of redemptions or other purposes. Investments in money market funds may involve a duplication of certain fees and expenses.

The fund does not seek current income as an investment objective and investments will not be based upon an issuer’s dividend payment policy or record. However, many of the companies whose securities will be included in the fund do pay dividends. It is anticipated, therefore, that the fund will receive dividend income.

The subadvisor will determine in its discretion when and whether to invest in countries that have been authorized for investment by its Investment Committee, depending on a number of factors such as asset growth in the fund and characteristics of each country’s market. The subadvisor’s Investment Committee may authorize other countries for investment in the future and the fund may continue to hold investments in countries not currently authorized for investment but that had previously been authorized for investment.

### **Market Capitalization Weighted Approach**

The fund structure involves market capitalization weighting in determining individual security weights and, where applicable, country or region weights. Market capitalization weighting means each security is generally purchased based on the issuer’s relative market capitalization. Market capitalization weighting may be adjusted by the subadvisor for a variety of reasons. The subadvisor may adjust the representation in the fund of an eligible company, or exclude a company, after considering such factors as free float, momentum, trading strategies, liquidity, value, and profitability, as well as other factors determined to be appropriate by the subadvisor given market conditions. The subadvisor believes securities are considered value stocks, primarily because they have a low price in relation to their book value. In assessing profitability, the subadvisor may consider different ratios, such as that of earnings or profits from operations relative to book value or assets. The criteria the subadvisor uses for assessing value or profitability are subject to change from time to time. The subadvisor may deviate from market capitalization weighting to limit or fix the exposure of the fund to a particular country or issuer to a maximum proportion of the assets of the fund. The subadvisor may exclude the stock of a company that meets applicable market capitalization criteria if the subadvisor determines, in its judgment, that the purchase of such security is inappropriate in light of other conditions. These adjustments will result in a deviation from traditional market capitalization weighting.

Country weights may be based on the total market capitalization of companies within each country. The calculation of country market capitalization may take into consideration the free float of companies within a country or whether these companies are eligible to be purchased for the particular strategy. In addition, to maintain a satisfactory level of diversification, the Investment Committee may limit or adjust the exposure to a particular country or region to a maximum proportion of the assets of that vehicle. Country weights may also deviate from target weights due to general day-to-day trading patterns and price movements. The weighting of countries will likely vary from their weighting in published international indices.

## **Principal risks**

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, options on futures contracts, and options. Foreign currency forward contracts, futures contracts, and options generally are subject to counterparty risk. Derivatives associated with foreign currency transactions are subject to currency risk.

**Industrials sector risk.** Companies in the industrials sector may be affected by general economic conditions, commodity production and pricing, supply and demand fluctuations, environmental and other government regulations, geopolitical events, interest rates, insurance costs, technological developments, liabilities arising from governmental or civil actions, labor relations, input controls, and government spending.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

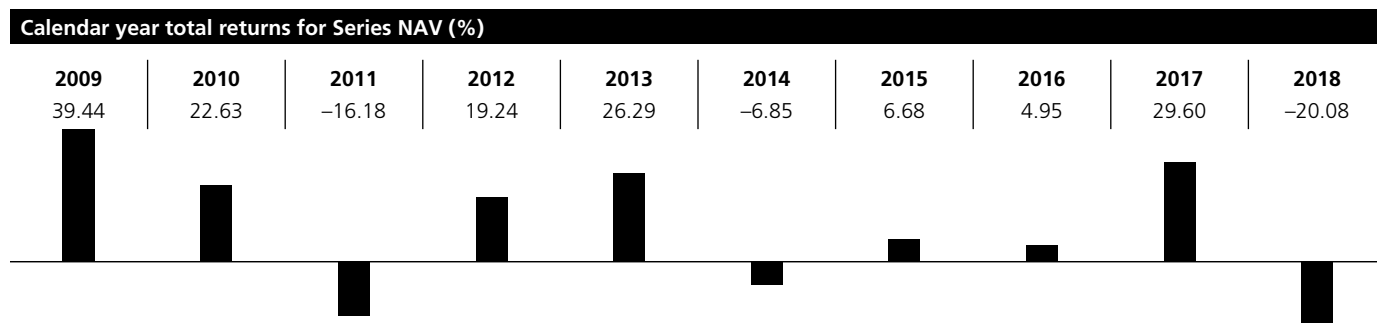
**Quantitative modeling risk.** Quantitative models may not accurately predict future market movements or characteristics, which may negatively impact performance. Models also may perform differently than expected due to implementation problems, technological malfunction, or programming or data inaccuracies, among other possible issues.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The MSCI EAFE Small Cap Index shows how the fund's performance compares against the returns of similar investments. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 31.13%

**Worst quarter:** Q3 '11, -19.27%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-20.09	1.48	8.78	11/16/09
Series II	-20.27	1.28	8.58	11/16/09
Series NAV	-20.08	1.56	8.83	05/01/06
MSCI World ex-USA Small Cap Index (reflects no deduction for fees, expenses, or taxes)	-17.75	2.64	10.46	
MSCI EAFE Small Cap Index (reflects no deduction for fees, expenses, or taxes)	-17.58	3.42	10.88	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Dimensional Fund Advisors LP

## Portfolio management

### **Jed S. Fogdall**

Head of Global Portfolio Management, Senior Portfolio Manager and Vice President  
Managed fund since 2010

### **Arun Keswani, CFA**

Senior Portfolio Manager and Vice President  
Managed fund since 2015

### **Mary T. Phillips, CFA**

Senior Portfolio Manager and Vice President  
Managed fund since 2017

### **Bhanu P. Singh**

Senior Portfolio Manager and Vice President  
Managed fund since 2015

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# International Value Trust

## Investment objective

To seek long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.80	0.80	0.80
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.07	0.07	0.07
<b>Total annual fund operating expenses</b>	<b>0.92</b>	<b>1.12</b>	<b>0.87</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.91</b>	<b>1.11</b>	<b>0.86</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	93	113	88
<b>3 years</b>	292	355	277
<b>5 years</b>	508	616	481
<b>10 years</b>	1,130	1,362	1,072

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 34% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests primarily in equity securities of companies located outside the U.S., including in emerging markets. The fund may invest in securities of any size company, across the entire market capitalization spectrum, including smaller and midsize companies. From time to time, based on economic conditions, the fund may have significant investments in one or more countries and/or in particular sectors.

Equity securities generally entitle the holder to participate in a company's general operating results. These include common stocks, preferred stocks, and convertible securities. The fund also invests in American Depositary Receipts (ADRs), European Depositary Receipts (EDRs), and Global Depositary Receipts (GDRs), which are certificates typically issued by a bank or trust company that give their holders the right to receive securities issued by a foreign or domestic company. The fund may invest in all types of equity-linked notes, which are hybrid derivative-type instruments that are specially designed to combine the characteristics of one or more reference securities (usually a single stock, a stock index or a basket of stocks (underlying securities)) and a related equity derivative, such as a put or call option, in a single note form.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under "Additional Information About the Funds' Principal Risks — Hedging, derivatives and other strategic transactions risk" including entering into option transactions.

The subadvisor's investment philosophy is "bottom-up," value-oriented, and long-term. In choosing equity investments, the subadvisor will focus on the market price of a company's securities relative to its evaluation of the company's long-term earnings, asset value, and cash flow potential. A company's historical value measure, including price/earnings ratio, profit margins and liquidation value, will also be considered.

# Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: equity-linked notes (equity-linked notes generally reflect the risks associated with their underlying securities, depend on the credit of the note's issuer, may be privately placed, and may have a limited secondary market), and options. Options generally are subject to counterparty risk.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

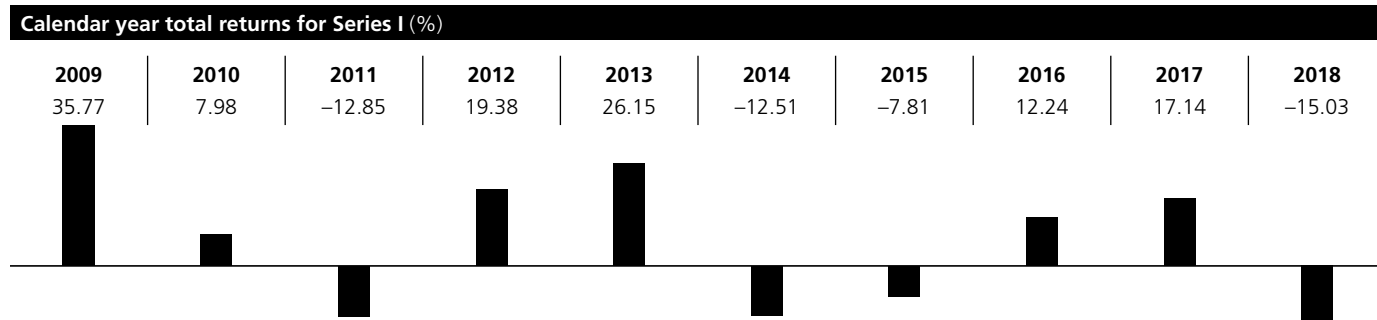
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Value investing style risk.** The fund emphasizes a value style of investing, which focuses on undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on value equity securities are less than returns on other styles of investing or the overall stock market. Value stocks also may decline in price, even though in theory they are already underpriced.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance

information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 24.09%

**Worst quarter:** Q3 '11, -20.71%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-15.03	-2.06	5.66	05/03/99
<b>Series II</b>	-15.17	-2.25	5.45	01/28/02
<b>Series NAV</b>	-14.96	-2.01	5.71	02/28/05
MSCI EAFE Index (reflects no deduction for fees, expenses, or taxes)	-13.36	1.00	6.81	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Templeton Investment Counsel, LLC

## Portfolio management

**Peter Nori, CFA**

Executive Vice President, Portfolio Manager

Managed fund since 2006

**Christopher Peel, CFA**

Lead Portfolio Manager, Senior Vice President, Research Analyst  
and Portfolio Manager

Managed fund since 2018

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.



# Investment Quality Bond Trust

## Investment objective

To provide a high level of current income consistent with the maintenance of principal and liquidity.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.60	0.60	0.60
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.08	0.08	0.08
<b>Total annual fund operating expenses</b>	<b>0.73</b>	<b>0.93</b>	<b>0.68</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.72</b>	<b>0.92</b>	<b>0.67</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	74	94	68
<b>3 years</b>	232	295	217
<b>5 years</b>	405	514	378
<b>10 years</b>	906	1,142	846

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 44% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in bonds rated investment grade at the time of investment. The fund will tend to focus on corporate bonds and U.S. government bonds with intermediate-to longer-term maturities.

The subadvisor's investment decisions derive from a three-pronged analysis, including:

- sector analysis,
- credit research, and
- call protection.

Sector analysis focuses on the differences in yields among security types, issuers, and industry sectors. Credit research focuses on both quantitative and qualitative criteria established by the subadvisor, such as call protection (payment guarantees), an issuer's industry, operating and financial profiles, business strategy, management quality, and projected financial and business conditions. Individual purchase and sale decisions are made on the basis of relative value and the contribution of a security to the desired characteristics of the overall fund. Factors considered include:

- relative valuation of available alternatives,
- impact on portfolio yield, quality and liquidity, and
- impact on portfolio maturity and sector weights.

The subadvisor attempts to maintain a high, steady and possibly growing income stream.

At least 80% of the fund's net assets are invested in bonds and debentures, including:

- marketable debt securities of U.S. and foreign issuers (payable in U.S. dollars), rated as investment grade by Moody's or S&P at the time of purchase, including privately placed debt securities, corporate bonds, asset-backed securities, mortgage-backed securities and commercial mortgage-backed securities;
- securities issued or guaranteed as to principal or interest by the U.S. government or its agencies or instrumentalities, including mortgage-backed securities; and
- cash and cash equivalent securities which are authorized for purchase by Money Market Trust, a series of the Trust.

The balance (no more than 20%) of the fund's net assets may be invested in below-investment-grade bonds and other securities including privately placed debt securities:

- U.S. and foreign debt securities,
- preferred stocks,
- convertible securities (including those issued in the Euromarket),
- securities carrying warrants to purchase equity securities,
- foreign exchange contracts for purposes of hedging portfolio exposures to foreign currencies or for purposes of obtaining exposure to foreign currencies,
- hybrid securities, and
- below-investment-grade and investment-grade foreign currency fixed-income securities, including up to 5% emerging market fixed-income securities.

In pursuing its investment objective, the fund may invest up to 20% of its net assets in U.S. and foreign high yield (high risk) corporate and government debt securities (commonly known as "junk bonds"). These instruments are rated "Ba" or below by Moody's or "BB" or below by S&P (or, if unrated, are deemed of comparable quality as determined by the subadvisor). No minimum rating standard is required for a purchase of high yield securities by the fund. While the fund may only invest up to 20% of its net assets in securities rated in these rating categories, it is not required to dispose of bonds that may be downgraded after purchase, even though such downgrade may cause the fund to hold more than 20% of its net assets in high yield securities. The fund's investment policies are based on credit ratings at the time of purchase.

The fund normally maintains an average portfolio duration of between three and seven years. However, the fund may invest in individual securities of any duration. Duration is an approximate measure of the sensitivity of the market value of a security to changes in interest rates.

The fund may invest in derivatives such as interest rate futures and options, interest rate swaps, currency forwards, options on financial indices and credit default swaps to manage duration and yield curve positioning, implement foreign interest rate and currency positions, hedge against risk and/or as a substitute for investing directly in a security.

The fund may make short sales of a security including short sales "against the box."

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: credit default swaps, foreign currency forward contracts, futures contracts, options, and interest-rate swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

**Warrants risk.** The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Combined Index (described below) shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 50% of the Bloomberg Barclays U.S. Credit Index and 50% of the Bloomberg Barclays U.S. Government Bond Index.



**Best quarter:** Q3 '09, 6.55%

**Worst quarter:** Q2 '13, -3.48%

Average Annual Total Returns for Period Ended 12/31/2018

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-0.82	2.51	4.54	06/19/85
<b>Series II</b>	-0.93	2.30	4.33	01/28/02
<b>Series NAV</b>	-0.68	2.59	4.60	02/28/05
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-0.62	2.61	3.83	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Wellington Management Company LLP

## Portfolio management

**Robert D. Burn, CFA**

Managing Director and Fixed Income Portfolio Manager

Managed fund since 2016

**Campe Goodman, CFA**

Senior Managing Director and Fixed Income Portfolio Manager

Managed fund since 2010

**Joseph F. Marvan, CFA**

Senior Managing Director and Fixed Income Portfolio Manager

Managed fund since 2010

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Lifestyle Aggressive Portfolio

## Investment objective

To seek long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.11	0.11	0.11
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses <sup>1</sup>	0.27	0.27	0.27
Acquired fund fees and expenses <sup>2</sup>	0.45	0.45	0.45
<b>Total annual fund operating expenses<sup>3</sup></b>	<b>0.88</b>	<b>1.08</b>	<b>0.83</b>
Contractual expense reimbursement <sup>4</sup>	-0.23	-0.23	-0.23
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.65</b>	<b>0.85</b>	<b>0.60</b>

1 "Other expenses" have been restated from fiscal year amounts to reflect current fees and expenses.

2 "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

3 The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

4 The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.04% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	66	87	61
<b>3 years</b>	258	321	242
<b>5 years</b>	465	573	438
<b>10 years</b>	1,063	1,296	1,004

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 16% of the average value of its portfolio.

## Principal investment strategies

The fund, except as otherwise described below, operates as a fund of funds and normally invests approximately 100% of its assets in underlying funds that invest primarily in equity securities or in futures contracts on equity markets (the "Equity Allocation") and up to 10% of its assets in underlying funds that invest primarily in fixed-income securities or in futures contracts on fixed-income markets (the "Fixed-Income Allocation"). Underlying funds include exchange-traded funds ("ETFs") and the fund may invest a significant portion of its assets in ETFs. At the discretion of the subadvisor, the Equity Allocation may also include direct investments in equity securities, and the Fixed-Income Allocation may also include direct investments in fixed-income securities. The subadvisor may also determine in light of market or economic conditions that the normal percentage limitations should be exceeded to protect the fund or achieve its investment objective.

Within the prescribed percentage allocation, the subadvisor selects the percentage level to be maintained in specific underlying funds and in futures contracts on equity or fixed-income markets. These allocations may be changed at any time by the subadvisor.

The fund may invest in various underlying funds that as a group hold a wide range of equity type securities. The fund may also invest in underlying funds that purchase futures contracts on equity markets.

Certain of these underlying funds focus their investment strategy on fixed-income securities, which may include investment grade and below investment grade debt securities ("junk bonds") with maturities that range from short to longer term.

The fund may invest in derivatives, including futures contracts and options. The fund may use derivatives for hedging and non-hedging purposes including, without limitation, the following purposes:

- To establish a position in the derivatives markets as a method of gaining exposure to a particular security or market;
- To attempt to protect against possible changes in the market value of securities held or to be purchased by the fund or an underlying fund;
- To manage the effective maturity or duration of the securities of the fund or an underlying fund;
- To facilitate the repatriation of foreign currency and the settlement of purchases of foreign securities

The fund may invest in other types of investments, including exchange-traded notes ("ETNs"), as described under "Other Permitted Investments by the Fund of Funds."

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of expenses of the underlying funds in which it invests.

## Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to

sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets.

## Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract or a borrower of a fund's securities may be unable or unwilling to make timely principal, interest or settlement payments, or otherwise honor its obligations. Funds that invest in fixed-income securities are subject to varying degrees of risk that the issuers of the securities will have their credit rating downgraded or will default, potentially reducing a fund's share price and income level.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Non-diversified risk.** Adverse events affecting a particular issuer or group of issuers may magnify losses for non-diversified funds, which may invest a large portion of assets in any one issuer or a small number of issuers.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

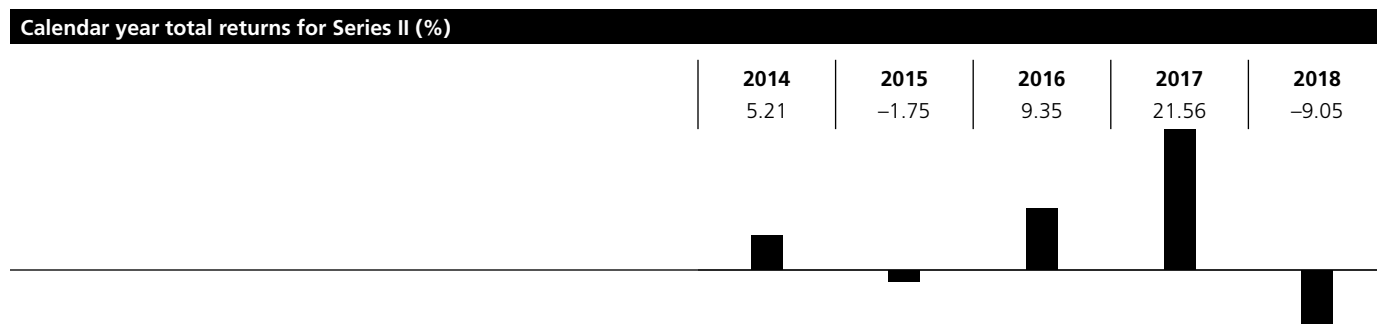
**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Combined Index (described below) shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 70% of the Russell 3000 Index and 30% of the MSCI EAFE Index.



**Best quarter:** Q1 '17, 6.25%

**Worst quarter:** Q4 '18, -13.73%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
Series I	-8.85	4.77	5.39	11/01/13
Series II	-9.05	4.56	5.17	11/01/13
Series NAV	-8.86	4.80	5.42	11/01/13
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	9.37	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-7.67	5.86	6.59	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Robert Sykes, CFA**

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset  
Management (US) LLC  
Managed fund since 2018

**Nathan Thooft, CFA**

Senior Managing Director, Senior Portfolio Manager and Global Head of  
Asset Allocation Team; John Hancock Asset Management a division of  
Manulife Asset Management (US) LLC  
Managed fund since 2013



## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Lifestyle Balanced Portfolio

## Investment objective

To seek a balance between a high level of current income and growth of capital, with a greater emphasis on growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.04	0.04	0.04
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.03	0.03	0.03
Acquired fund fees and expenses <sup>1</sup>	0.55	0.55	0.55
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.67</b>	<b>0.87</b>	<b>0.62</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	68	89	63
<b>3 years</b>	214	278	199
<b>5 years</b>	373	482	346
<b>10 years</b>	835	1,073	774

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 8% of the average value of its portfolio.

## Principal investment strategies

The fund, except as otherwise described below, operates as a fund of funds and normally invests approximately 50% of its assets in underlying funds that invest primarily in equity securities or in futures contracts on equity markets (the "Equity Allocation") and approximately 50% of its assets in underlying funds that invest primarily in fixed-income securities or in futures contracts on fixed-income markets (the "Fixed Income Allocation"). Underlying funds may include exchange traded funds ("ETFs") and the fund may invest a significant portion of its assets in ETFs. At the discretion of the subadvisor, the Equity Allocation may also include direct investments in equity securities and the Fixed Income Allocation may also include direct investments in fixed-income securities. The subadvisor may also determine in light of market or economic conditions that the normal percentage limitations should be exceeded to protect the fund or achieve its investment objective.

Within the prescribed percentage allocation, the subadvisor selects the percentage level to be maintained in specific underlying funds and in futures contracts on equity or fixed-income markets. These allocations may be changed at any time by the subadvisor.

The fund may invest in various underlying funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities) and sector holdings such as utilities, science, and technology stocks. Each of these underlying funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in underlying funds that purchase futures contracts on equity markets.

Certain of these underlying funds focus their investment strategy on fixed-income securities, which may include investment grade and below-investment-grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments such as corporate bonds and mortgage backed, U.S. and foreign government issued, domestic and international securities.

The fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates and related indexes. The fund may use derivatives for hedging and nonhedging purposes including, without limitation, the following purposes:

- To establish a position in the derivatives markets as a method of gaining exposure to a particular security or market;
- To attempt to protect against possible changes in the market value of securities held or to be purchased by the fund or an underlying fund;
- To manage the effective maturity or duration of the securities of the fund or an underlying fund; and
- To facilitate the repatriation of foreign currency and the settlement of purchases of foreign securities.

The fund may invest in other types of investments including exchange-traded notes (ETNs) as described under “Other Permitted Investments of the Fund of Funds.”

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

## Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF’s portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund’s ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds’ performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor’s ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**JHVIT Lifestyle Portfolio asset transfer risk.** The Lifestyle Balanced Portfolio (the “JHVIT Lifestyle Portfolio”) is offered in connection with specific guaranteed benefits under variable annuity contracts (the “Contracts”) issued by John Hancock Life Insurance Company (U.S.A.) and John Hancock Life Insurance Company of New York (collectively, the “John Hancock Issuers”).

The Contracts provide that the John Hancock Issuers can automatically transfer contract value between the JHVIT Lifestyle Portfolio and the Select Bond Trust through a non-discretionary, systematic mathematical process. The purpose of these transfers is to attempt to protect contract value from declines due to market volatility, and thereby limit the John Hancock Issuers' exposure to risk under the guaranteed benefits under the Contracts. The timing and amount of any transfer of contract value under the John Hancock Issuers' process will depend on several factors including market movements. In general, the higher the equity component of a JHVIT Lifestyle Portfolio, the more likely that contract value will be reallocated from the JHVIT Lifestyle Portfolio to the Select Bond Trust when equity markets fall. These asset flows may negatively affect the performance of an underlying fund in which the JHVIT Lifestyle Portfolio invests by increasing the underlying fund's transaction costs and causing it to purchase or sell securities when it would not normally do so. It could be particularly disadvantageous for the underlying fund if it experiences outflows and needs to sell securities at a time of volatility in the markets, when values could be falling. Because the JHVIT Lifestyle Portfolio bear their proportionate share of the transaction costs of the underlying funds, increased underlying fund expenses may indirectly negatively affect the performance of the JHVIT Lifestyle Portfolio.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets.

## Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Advance trade estimate risk.** The JHVIT Lifestyle Portfolio may seek to mitigate asset transfer risk by adjusting its portfolio based on advance estimates of automatic transfers of Contract value under the Contracts. The John Hancock Issuers have provided the JHVIT Lifestyle Portfolio's subadvisor with an analytical tool that calculates estimates of automatic transfers based on several factors, including the mathematical process for automatic transfers and market movements before the daily close of trading. The subadvisor may, but is not required to, use the tool to adjust the JHVIT Lifestyle Portfolio's portfolio with the goal of trading in securities or purchasing shares of underlying funds as close to the market close as possible in order to limit the JHVIT Lifestyle Portfolio's exposure to cash drag (i.e., holding cash while markets are rising) and adverse overnight market fluctuations. For example, in a rising market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will receive inflows that day (the "Trade Date"), the subadvisor could buy securities or shares of an underlying fund close to or at the closing prices on the Trade Date, as opposed to the following business day, when the actual transfer amount would be known. In a falling market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will experience outflows on Trade Date, the subadvisor could sell securities or shares of an underlying fund close to or at the closing prices on Trade Date, as opposed to the following business day, when the actual transfer amount would be known.

If the subadvisor relies on the analytical tool or its own judgment and places trades in anticipation of purchases and redemptions of JHVIT Lifestyle shares, there can be no assurance that the prices paid by the JHVIT Lifestyle Portfolio will be better than if the JHVIT Lifestyle Portfolio had traded the following business day. The estimated transfer amount may be different from the actual transfer amount for various reasons, including changes in market direction, contract owner behavior and faulty inputs. If the estimated transfer amount is different from the actual transfer amount, the JHVIT Lifestyle Portfolio will buy or sell securities or shares of an underlying fund the following business day to adjust for this difference. For example, if cash flows into the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio could be forced to liquidate positions it had purchased. Conversely, if cash flows out of the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio may be required to repurchase positions it had sold. In addition, purchasing securities or shares of an underlying fund early could cause the JHVIT Lifestyle Portfolio to spend more money than it has available and, in the event of a market decline, such leverage will magnify losses because the decline also affects the securities purchased with amounts in excess of the JHVIT Lifestyle Portfolio's assets. Due to these various factors, trading on the basis of advance estimates of automatic transfers may cause higher portfolio turnover than that based solely on automatic transfers of Contract value under the Contracts, increase JHVIT Lifestyle Portfolio expenses and adversely affect the performance of the JHVIT Lifestyle Portfolio.

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Non-diversified risk.** Adverse events affecting a particular issuer or group of issuers may magnify losses for non-diversified funds, which may invest a large portion of assets in any one issuer or a small number of issuers.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

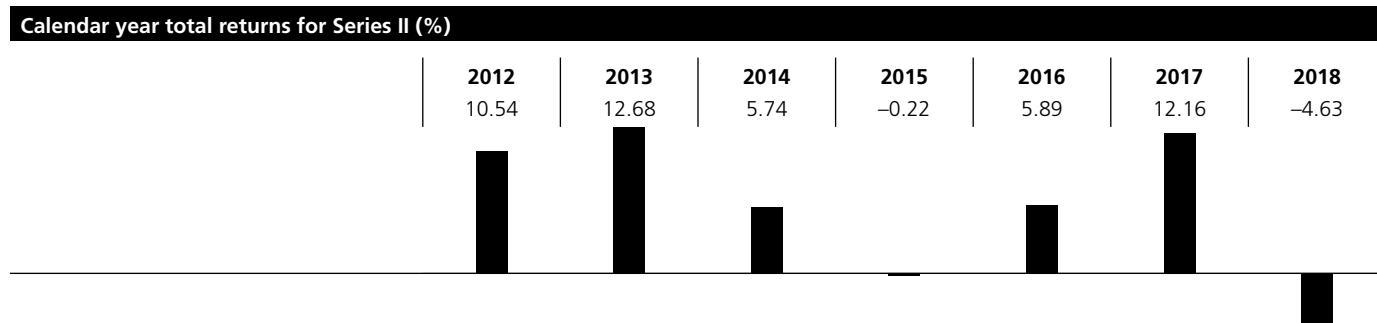
**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 35% of the Russell 3000 Index, 15% of the MSCI EAFE Index, and 50% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q1 '12, 7.12%

**Worst quarter:** Q4 '18, -6.62%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
<b>Series I</b>	-4.36	3.85	4.83	11/01/13
<b>Series II</b>	-4.63	3.63	4.68	04/29/11
<b>Series NAV</b>	-4.39	3.88	4.85	11/01/13
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	2.71	04/29/11
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	10.60	04/29/11
Combined Index (reflects no deduction for fees, expenses, or taxes)	-3.64	4.35	5.52	04/29/11

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

### Robert Sykes, CFA

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset  
Management (US) LLC  
Managed fund since 2018

### Nathan Thooft, CFA

Senior Managing Director, Senior Portfolio Manager and Global Head of  
Asset Allocation Team; John Hancock Asset Management a division of  
Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Lifestyle Conservative Portfolio

## Investment objective

To seek a high level of current income with some consideration given to growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.04	0.04	0.04
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.07	0.07	0.07
Acquired fund fees and expenses <sup>1</sup>	0.56	0.56	0.56
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.72</b>	<b>0.92</b>	<b>0.67</b>
Contractual expense reimbursement <sup>3</sup>	-0.03	-0.03	-0.03
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.69</b>	<b>0.89</b>	<b>0.64</b>

1 "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

2 The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

3 The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.04% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	70	91	65
<b>3 years</b>	227	290	211
<b>5 years</b>	398	506	370
<b>10 years</b>	892	1,129	832

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 21% of the average value of its portfolio.

## Principal investment strategies

The fund, except as otherwise described below, operates as a fund of funds and normally invests approximately 20% of its assets in underlying funds that invest primarily in equity securities or in futures contracts on equity markets (the "Equity Allocation") and approximately 80% of its assets in underlying funds that invest primarily in fixed-income securities or in futures contracts on fixed-income markets (the "Fixed Income Allocation"). Underlying funds may include exchange-traded funds ("ETFs") and the fund may invest a significant portion of its assets in ETFs. At the discretion of the subadvisor, the Equity Allocation may also include direct investments in equity securities and the Fixed Income Allocation may also include direct investments in fixed-income securities. The subadvisor may also determine in light of market or economic conditions that the normal percentage limitations should be exceeded to protect the fund or achieve its investment objective.

Within the prescribed percentage allocation, the subadvisor selects the percentage level to be maintained in specific underlying funds and in futures contracts on equity or fixed-income markets. These allocations may be changed at any time by the subadvisor.

The fund may invest in various underlying funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities) and sector holdings such as utilities, science, and technology stocks. Each of these underlying funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in underlying funds that purchase futures contracts on equity markets.

Certain of these underlying funds focus their investment strategy on fixed-income securities, which may include investment grade and below investment grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments such as corporate bonds and mortgage backed, U.S. and foreign government issued, domestic and international securities.

The fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates and related indexes. The fund may use derivatives for hedging and nonhedging purposes including, without limitation, the following purposes:

- To establish a position in the derivatives markets as a method of gaining exposure to a particular security or market;
- To attempt to protect against possible changes in the market value of securities held or to be purchased by the fund or an underlying fund;
- To manage the effective maturity or duration of the securities of the fund or an underlying fund; and
- To facilitate the repatriation of foreign currency and the settlement of purchases of foreign securities.

The fund may invest in other types of investments including exchange-traded notes (ETNs) as described under “Other Permitted Investments of the Fund of Funds.”

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

## Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF’s portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund’s ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds’ performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor’s ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.



**JHVIT Lifestyle Portfolio asset transfer risk.** The Lifestyle Conservative Portfolio (the “JHVIT Lifestyle Portfolio”) is offered in connection with specific guaranteed benefits under variable annuity contracts (the “Contracts”) issued by John Hancock Life Insurance Company (U.S.A.) and John Hancock Life Insurance Company of New York (collectively, the “John Hancock Issuers”).

The Contracts provide that the John Hancock Issuers can automatically transfer contract value between the JHVIT Lifestyle Portfolio and the Select Bond Trust through a non-discretionary, systematic mathematical process. The purpose of these transfers is to attempt to protect contract value from declines due to market volatility, and thereby limit the John Hancock Issuers’ exposure to risk under the guaranteed benefits under the Contracts. The timing and amount of any transfer of contract value under the John Hancock Issuers’ process will depend on several factors including market movements. In general, the higher the equity component of a JHVIT Lifestyle Portfolio, the more likely that contract value will be reallocated from the JHVIT Lifestyle Portfolio to the Select Bond Trust when equity markets fall. These asset flows may negatively affect the performance of an underlying fund in which the JHVIT Lifestyle Portfolio invests by increasing the underlying fund’s transaction costs and causing it to purchase or sell securities when it would not normally do so. It could be particularly disadvantageous for the underlying fund if it experiences outflows and needs to sell securities at a time of volatility in the markets, when values could be falling. Because the JHVIT Lifestyle Portfolio bear their proportionate share of the transaction costs of the underlying funds, increased underlying fund expenses may indirectly negatively affect the performance of the JHVIT Lifestyle Portfolio.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Target allocation risk.** The fund’s risk profile will change due to reallocation or rebalancing of portfolio assets.

## Principal risks of investing in the underlying funds

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Advance trade estimate risk.** The JHVIT Lifestyle Portfolio may seek to mitigate asset transfer risk by adjusting its portfolio based on advance estimates of automatic transfers of Contract value under the Contracts. The John Hancock Issuers have provided the JHVIT Lifestyle Portfolio’s subadvisor with an analytical tool that calculates estimates of automatic transfers based on several factors, including the mathematical process for automatic transfers and market movements before the daily close of trading. The subadvisor may, but is not required to, use the tool to adjust the JHVIT Lifestyle Portfolio’s portfolio with the goal of trading in securities or purchasing shares of underlying funds as close to the market close as possible in order to limit the JHVIT Lifestyle Portfolio’s exposure to cash drag (i.e., holding cash while markets are rising) and adverse overnight market fluctuations. For example, in a rising market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will receive inflows that day (the “Trade Date”), the subadvisor could buy securities or shares of an underlying fund close to or at the closing prices on the Trade Date, as opposed to the following business day, when the actual transfer amount would be known. In a falling market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will experience outflows on Trade Date, the subadvisor could sell securities or shares of an underlying fund close to or at the closing prices on Trade Date, as opposed to the following business day, when the actual transfer amount would be known.

If the subadvisor relies on the analytical tool or its own judgment and places trades in anticipation of purchases and redemptions of JHVIT Lifestyle shares, there can be no assurance that the prices paid by the JHVIT Lifestyle Portfolio will be better than if the JHVIT Lifestyle Portfolio had traded the following business day. The estimated transfer amount may be different from the actual transfer amount for various reasons, including changes in market direction, contract owner behavior and faulty inputs. If the estimated transfer amount is different from the actual transfer amount, the JHVIT Lifestyle Portfolio will buy or sell securities or shares of an underlying fund the following business day to adjust for this difference. For example, if cash flows into the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio could be forced to liquidate positions it had purchased. Conversely, if cash flows out of the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio may be required to repurchase positions it had sold. In addition, purchasing securities or shares of an underlying fund early could cause the JHVIT Lifestyle Portfolio to spend more money than it has available and, in the event of a market decline, such leverage will magnify losses because the decline also affects the securities purchased with amounts in excess of the JHVIT Lifestyle Portfolio’s assets. Due to these various factors, trading on the basis of advance estimates of automatic transfers may cause higher portfolio turnover than that based solely on automatic transfers of Contract value under the Contracts, increase JHVIT Lifestyle Portfolio expenses and adversely affect the performance of the JHVIT Lifestyle Portfolio.

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Non-diversified risk.** Adverse events affecting a particular issuer or group of issuers may magnify losses for non-diversified funds, which may invest a large portion of assets in any one issuer or a small number of issuers.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

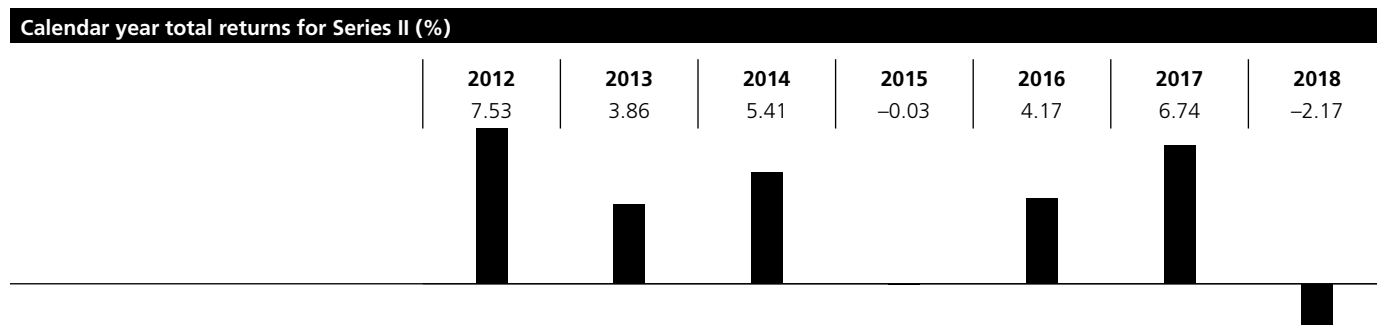
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a

share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 14% of the Russell 3000 Index, 6% of the MSCI EAFE Index, and 80% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q1 '12, 3.48%

**Worst quarter:** Q4 '18, -2.06%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
<b>Series I</b>	-1.97	2.96	3.45	11/01/13
<b>Series II</b>	-2.17	2.77	3.31	04/29/11
<b>Series NAV</b>	-1.92	3.01	3.48	11/01/13
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	2.71	04/29/11
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	10.60	04/29/11
Combined Index (reflects no deduction for fees, expenses, or taxes)	-1.40	3.29	3.87	04/29/11

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

### Robert Sykes, CFA

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset  
Management (US) LLC  
Managed fund since 2018

### Nathan Thooft, CFA

Senior Managing Director, Senior Portfolio Manager and Global Head of  
Asset Allocation Team; John Hancock Asset Management a division of  
Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Lifestyle Growth Portfolio

## Investment objective

To seek long-term growth of capital. Current income is also a consideration.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.04	0.04	0.04
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.02	0.02	0.02
Acquired fund fees and expenses <sup>1</sup>	0.54	0.54	0.54
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.65</b>	<b>0.85</b>	<b>0.60</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	66	87	61
<b>3 years</b>	208	271	192
<b>5 years</b>	362	471	335
<b>10 years</b>	810	1,049	750

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 5% of the average value of its portfolio.

## Principal investment strategies

The fund, except as otherwise described below, operates as a fund of funds and normally invests approximately 70% of its assets in underlying funds that invest primarily in equity securities or in futures contracts on equity markets (the "Equity Allocation") and approximately 30% of its assets in underlying funds that invest primarily in fixed-income securities or in futures contracts on fixed-income markets (the "Fixed Income Allocation"). Underlying funds may include exchange traded funds ("ETFs") and the fund may invest a significant portion of its assets in ETFs. At the discretion of the subadvisor, the Equity Allocation may also include direct investments in equity securities and the Fixed Income Allocation may also include direct investments in fixed-income securities. The subadvisor may also determine in light of market or economic conditions that the normal percentage limitations should be exceeded to protect the fund or achieve its investment objective.

Within the prescribed percentage allocation, the subadvisor selects the percentage level to be maintained in specific underlying funds and in futures contracts on equity or fixed-income markets. These allocations may be changed at any time by the subadvisor.

The fund may invest in various underlying funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities) and sector holdings such as utilities, science, and technology stocks. Each of these underlying funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in underlying funds that purchase futures contracts on equity markets.

Certain of these underlying funds focus their investment strategy on fixed-income securities, which may include investment grade and below investment grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments such as corporate bonds and mortgage backed, U.S. and foreign government issued, domestic and international securities.

The fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates and related indexes. The fund may use derivatives for hedging and nonhedging purposes including, without limitation, the following purposes:

- To establish a position in the derivatives markets as a method of gaining exposure to a particular security or market;
- To attempt to protect against possible changes in the market value of securities held or to be purchased by the fund or an underlying fund;
- To manage the effective maturity or duration of the securities of the fund or an underlying fund; and
- To facilitate the repatriation of foreign currency and the settlement of purchases of foreign securities.

The fund may invest in other types of investments including exchange-traded notes (ETNs) as described under “Other Permitted Investments of the Fund of Funds.”

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

## Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF’s portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund’s ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds’ performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor’s ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**JHVIT Lifestyle Portfolio asset transfer risk.** The Lifestyle Growth Portfolio (the “JHVIT Lifestyle Portfolio”) is offered in connection with specific guaranteed benefits under variable annuity contracts (the “Contracts”) issued by John Hancock Life Insurance Company (U.S.A.) and John Hancock Life Insurance Company of New York (collectively, the “John Hancock Issuers”).

The Contracts provide that the John Hancock Issuers can automatically transfer contract value between the JHVIT Lifestyle Portfolio and the Select Bond Trust through a non-discretionary, systematic mathematical process. The purpose of these transfers is to attempt to protect contract value from declines due to market volatility, and thereby limit the John Hancock Issuers' exposure to risk under the guaranteed benefits under the Contracts. The timing and amount of any transfer of contract value under the John Hancock Issuers' process will depend on several factors including market movements. In general, the higher the equity component of a JHVIT Lifestyle Portfolio, the more likely that contract value will be reallocated from the JHVIT Lifestyle Portfolio to the Select Bond Trust when equity markets fall. These asset flows may negatively affect the performance of an underlying fund in which the JHVIT Lifestyle Portfolio invests by increasing the underlying fund's transaction costs and causing it to purchase or sell securities when it would not normally do so. It could be particularly disadvantageous for the underlying fund if it experiences outflows and needs to sell securities at a time of volatility in the markets, when values could be falling. Because the JHVIT Lifestyle Portfolio bear their proportionate share of the transaction costs of the underlying funds, increased underlying fund expenses may indirectly negatively affect the performance of the JHVIT Lifestyle Portfolio.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets.

## Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Advance trade estimate risk.** The JHVIT Lifestyle Portfolio may seek to mitigate asset transfer risk by adjusting its portfolio based on advance estimates of automatic transfers of Contract value under the Contracts. The John Hancock Issuers have provided the JHVIT Lifestyle Portfolio's subadvisor with an analytical tool that calculates estimates of automatic transfers based on several factors, including the mathematical process for automatic transfers and market movements before the daily close of trading. The subadvisor may, but is not required to, use the tool to adjust the JHVIT Lifestyle Portfolio's portfolio with the goal of trading in securities or purchasing shares of underlying funds as close to the market close as possible in order to limit the JHVIT Lifestyle Portfolio's exposure to cash drag (i.e., holding cash while markets are rising) and adverse overnight market fluctuations. For example, in a rising market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will receive inflows that day (the "Trade Date"), the subadvisor could buy securities or shares of an underlying fund close to or at the closing prices on the Trade Date, as opposed to the following business day, when the actual transfer amount would be known. In a falling market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will experience outflows on Trade Date, the subadvisor could sell securities or shares of an underlying fund close to or at the closing prices on Trade Date, as opposed to the following business day, when the actual transfer amount would be known.

If the subadvisor relies on the analytical tool or its own judgment and places trades in anticipation of purchases and redemptions of JHVIT Lifestyle shares, there can be no assurance that the prices paid by the JHVIT Lifestyle Portfolio will be better than if the JHVIT Lifestyle Portfolio had traded the following business day. The estimated transfer amount may be different from the actual transfer amount for various reasons, including changes in market direction, contract owner behavior and faulty inputs. If the estimated transfer amount is different from the actual transfer amount, the JHVIT Lifestyle Portfolio will buy or sell securities or shares of an underlying fund the following business day to adjust for this difference. For example, if cash flows into the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio could be forced to liquidate positions it had purchased. Conversely, if cash flows out of the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio may be required to repurchase positions it had sold. In addition, purchasing securities or shares of an underlying fund early could cause the JHVIT Lifestyle Portfolio to spend more money than it has available and, in the event of a market decline, such leverage will magnify losses because the decline also affects the securities purchased with amounts in excess of the JHVIT Lifestyle Portfolio's assets. Due to these various factors, trading on the basis of advance estimates of automatic transfers may cause higher portfolio turnover than that based solely on automatic transfers of Contract value under the Contracts, increase JHVIT Lifestyle Portfolio expenses and adversely affect the performance of the JHVIT Lifestyle Portfolio.

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Non-diversified risk.** Adverse events affecting a particular issuer or group of issuers may magnify losses for non-diversified funds, which may invest a large portion of assets in any one issuer or a small number of issuers.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

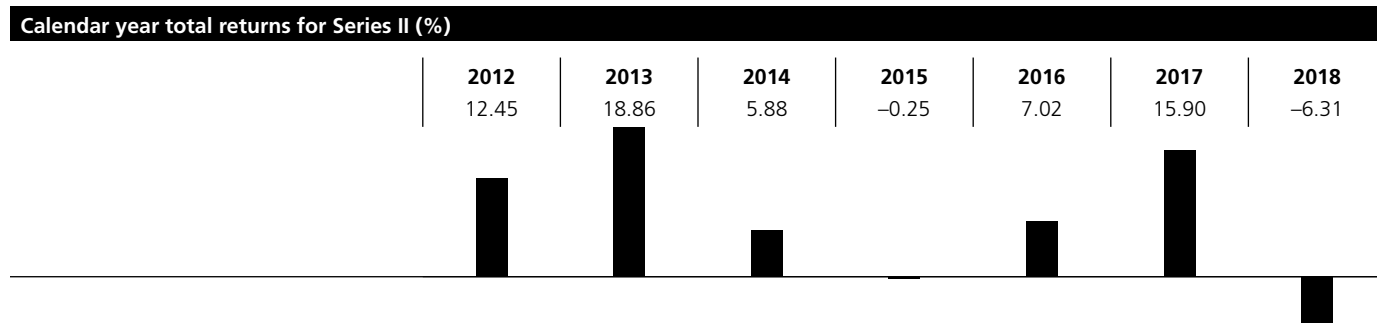
**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Bloomberg Barclays U.S. Aggregate Bond Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 49% of the Russell 3000 Index, 21% of the MSCI EAFE Index and 30% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q1 '12, 9.44%

**Worst quarter:** Q4 '18, -9.55%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
<b>Series I</b>	-6.12	4.39	5.71	11/01/13
<b>Series II</b>	-6.31	4.18	5.56	04/29/11
<b>Series NAV</b>	-6.07	4.45	5.74	11/01/13
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	10.60	04/29/11
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	2.71	04/29/11
Combined Index (reflects no deduction for fees, expenses, or taxes)	-5.20	4.99	6.54	04/29/11

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

### Robert Sykes, CFA

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset  
Management (US) LLC  
Managed fund since 2018

### Nathan Thooft, CFA

Senior Managing Director, Senior Portfolio Manager and Global Head of  
Asset Allocation Team; John Hancock Asset Management a division of  
Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.



# Lifestyle Moderate Portfolio

## Investment objective

To seek a balance between a high level of current income and growth of capital, with a greater emphasis on income.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.04	0.04	0.04
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
Acquired fund fees and expenses <sup>1</sup>	0.55	0.55	0.55
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.69</b>	<b>0.89</b>	<b>0.64</b>
Contractual expense reimbursement <sup>3</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.68</b>	<b>0.88</b>	<b>0.63</b>

- <sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.
- <sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."
- <sup>3</sup> The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.04% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	69	90	64
<b>3 years</b>	220	283	204
<b>5 years</b>	383	492	356
<b>10 years</b>	858	1,095	797

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 8% of the average value of its portfolio.

## Principal investment strategies

The fund, except as otherwise described below, operates as a fund of funds and normally invests approximately 40% of its assets in underlying funds that invest primarily in equity securities or in futures contracts on equity markets (the "Equity Allocation") and approximately 60% of its assets in underlying funds that invest primarily in fixed-income securities or in futures contracts on fixed-income markets (the "Fixed Income Allocation"). Underlying funds may include exchange traded funds ("ETFs") and the fund may invest a significant portion of its assets in ETFs. At the discretion of the subadvisor, the Equity Allocation may also include direct investments in equity securities and the Fixed Income Allocation may also include direct investments in fixed-income securities. The subadvisor may also determine in light of market or economic conditions that the normal percentage limitations should be exceeded to protect the fund or achieve its investment objective.

Within the prescribed percentage allocation, the subadvisor selects the percentage level to be maintained in specific underlying funds and in futures contracts on equity or fixed-income markets. These allocations may be changed at any time by the subadvisor.

The fund may invest in various underlying funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities) and sector holdings such as utilities, science, and technology stocks. Each of these underlying funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in underlying funds that purchase futures contracts on equity markets.

Certain of these underlying funds focus their investment strategy on fixed-income securities, which may include investment grade and below investment grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments such as corporate bonds and mortgage backed, U.S. and foreign government issued, domestic and international securities.

The fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates and related indexes. The fund may use derivatives for hedging and nonhedging purposes including, without limitation, the following purposes:

- To establish a position in the derivatives markets as a method of gaining exposure to a particular security or market;
- To attempt to protect against possible changes in the market value of securities held or to be purchased by the fund or an underlying fund;
- To manage the effective maturity or duration of the securities of the fund or an underlying fund; and
- To facilitate the repatriation of foreign currency and the settlement of purchases of foreign securities.

The fund may invest in other types of investments including exchange-traded notes (ETNs) as described under “Other Permitted Investments of the Fund of Funds.”

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

## Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF’s portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund’s ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds’ performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor’s ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**JHVIT Lifestyle Portfolio asset transfer risk.** The Lifestyle Moderate Portfolio (the “JHVIT Lifestyle Portfolio”) is offered in connection with specific guaranteed benefits under variable annuity contracts (the “Contracts”) issued by John Hancock Life Insurance Company (U.S.A.) and John Hancock Life Insurance Company of New York (collectively, the “John Hancock Issuers”).

The Contracts provide that the John Hancock Issuers can automatically transfer contract value between the JHVIT Lifestyle Portfolio and the Select Bond Trust through a non-discretionary, systematic mathematical process. The purpose of these transfers is to attempt to protect contract value from declines due to market volatility, and thereby limit the John Hancock Issuers’ exposure to risk under the guaranteed benefits under the Contracts. The timing and amount of any transfer of contract value under the John Hancock Issuers’ process will depend on several factors including market movements. In general, the higher the equity component of a JHVIT Lifestyle Portfolio, the more likely that contract value will be reallocated from the JHVIT Lifestyle Portfolio to the Select Bond Trust when equity markets fall. These asset flows may negatively affect the performance of an underlying fund in which the JHVIT Lifestyle Portfolio invests by increasing the underlying fund’s transaction costs and causing it to purchase or sell securities when it would not normally do so. It could be particularly disadvantageous for the underlying fund if it experiences outflows and needs to sell securities at a time of volatility in the markets, when values could be falling. Because the JHVIT Lifestyle Portfolio bear their proportionate share of the transaction costs of the underlying funds, increased underlying fund expenses may indirectly negatively affect the performance of the JHVIT Lifestyle Portfolio.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Target allocation risk.** The fund’s risk profile will change due to reallocation or rebalancing of portfolio assets.

## Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Advance trade estimate risk.** The JHVIT Lifestyle Portfolio may seek to mitigate asset transfer risk by adjusting its portfolio based on advance estimates of automatic transfers of Contract value under the Contracts. The John Hancock Issuers have provided the JHVIT Lifestyle Portfolio’s subadvisor with an analytical tool that calculates estimates of automatic transfers based on several factors, including the mathematical process for automatic transfers and market movements before the daily close of trading. The subadvisor may, but is not required to, use the tool to adjust the JHVIT Lifestyle Portfolio’s portfolio with the goal of trading in securities or purchasing shares of underlying funds as close to the market close as possible in order to limit the JHVIT Lifestyle Portfolio’s exposure to cash drag (i.e., holding cash while markets are rising) and adverse overnight market fluctuations. For example, in a rising market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will receive inflows that day (the “Trade Date”), the subadvisor could buy securities or shares of an underlying fund close to or at the closing prices on the Trade Date, as opposed to the following business day, when the actual transfer amount would be known. In a falling market, if the analytical tool suggests that the JHVIT Lifestyle Portfolio will experience outflows on Trade Date, the subadvisor could sell securities or shares of an underlying fund close to or at the closing prices on Trade Date, as opposed to the following business day, when the actual transfer amount would be known.

If the subadvisor relies on the analytical tool or its own judgment and places trades in anticipation of purchases and redemptions of JHVIT Lifestyle shares, there can be no assurance that the prices paid by the JHVIT Lifestyle Portfolio will be better than if the JHVIT Lifestyle Portfolio had traded the following business day. The estimated transfer amount may be different from the actual transfer amount for various reasons, including changes in market direction, contract owner behavior and faulty inputs. If the estimated transfer amount is different from the actual transfer amount, the JHVIT Lifestyle Portfolio will buy or sell securities or shares of an underlying fund the following business day to adjust for this difference. For example, if cash flows into the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio could be forced to liquidate positions it had purchased. Conversely, if cash flows out of the JHVIT Lifestyle Portfolio are less than estimated, the JHVIT Lifestyle Portfolio may be required to repurchase positions it had sold. In addition, purchasing securities or shares of an underlying fund early could cause the JHVIT Lifestyle Portfolio to spend more money than it has available and, in the event of a market decline, such leverage will magnify losses because the decline also affects the securities purchased with amounts in excess of the JHVIT Lifestyle Portfolio’s assets. Due to these various factors, trading on the basis of advance estimates of automatic transfers may cause higher portfolio turnover than that based solely on automatic transfers of Contract value under the Contracts, increase JHVIT Lifestyle Portfolio expenses and adversely affect the performance of the JHVIT Lifestyle Portfolio.

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that a fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Non-diversified risk.** Adverse events affecting a particular issuer or group of issuers may magnify losses for non-diversified funds, which may invest a large portion of assets in any one issuer or a small number of issuers.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

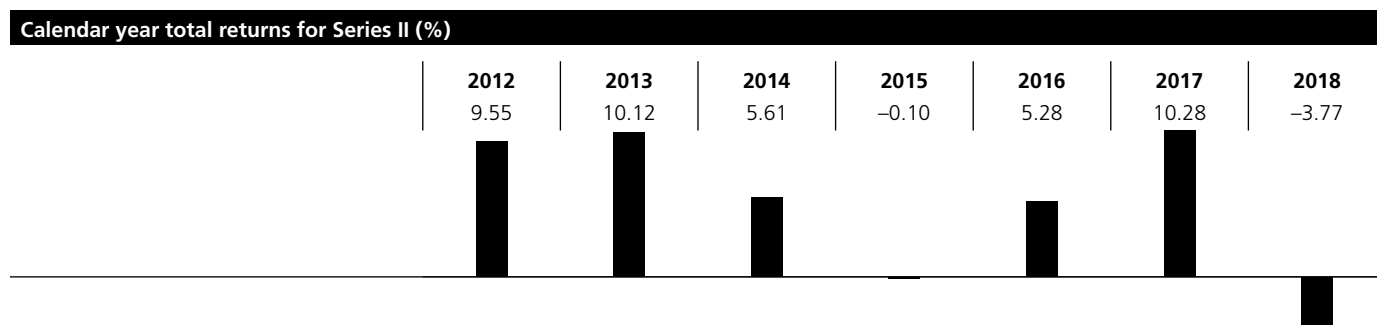
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a

share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

The Combined Index represents 28% of the Russell 3000 Index, 12% of the MSCI EAFE Index, and 60% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q1 '12, 5.90%

**Worst quarter:** Q4 '18, -5.06%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
<b>Series I</b>	-3.58	3.55	4.48	11/01/13
<b>Series II</b>	-3.77	3.34	4.34	04/29/11
<b>Series NAV</b>	-3.53	3.61	4.52	11/01/13
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	2.71	04/29/11
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	10.60	04/29/11
Combined Index (reflects no deduction for fees, expenses, or taxes)	-2.88	4.01	4.98	04/29/11

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

### Robert Sykes, CFA

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset  
Management (US) LLC

Managed fund since 2018

### Nathan Thooft, CFA

Senior Managing Director, Senior Portfolio Manager and Global Head of  
Asset Allocation Team; John Hancock Asset Management a division of  
Manulife Asset Management (US) LLC

Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Managed Volatility Aggressive Portfolio

## Investment objective

To seek long term growth of capital while seeking to both manage the volatility of return and limit the magnitude of portfolio losses.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.09	0.09	0.09
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
Acquired fund fees and expenses <sup>1</sup>	0.74	0.74	0.74
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.92</b>	<b>1.12</b>	<b>0.87</b>
Contractual expense reimbursement <sup>3</sup>	-0.04	-0.04	-0.04
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.88</b>	<b>1.08</b>	<b>0.83</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.00% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	90	110	85
<b>3 years</b>	289	352	274
<b>5 years</b>	505	613	478
<b>10 years</b>	1,128	1,360	1,069

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 58% of the average value of its portfolio.

## Principal investment strategies

The Managed Volatility Aggressive Portfolio, except as otherwise described below, normally invests primarily in underlying funds that invest primarily in equity securities ("Equity Funds"). The fund may also use certain risk management techniques to seek to manage the volatility of returns (i.e., standard deviation) and limit the magnitude of portfolio losses.

As described below, the fund may also directly hold derivative instruments and collateral for these derivative instruments. The fund's economic exposure to equities may fluctuate due to its risk management strategy as noted below. The fund may employ a risk management strategy to attempt to manage the volatility of returns and limit the magnitude of portfolio losses. The risk management strategy may cause the fund's economic exposure to equity securities, fixed-income securities and cash and cash equivalents (either directly or through investment in underlying funds or derivatives) to fluctuate, and during extreme market volatility, the fund's economic exposure to equity securities could be reduced to 0% and its economic exposure to cash and cash equivalents or fixed-income securities could increase to 100%. The subadvisor normally will seek to limit the fund's exposure to equity securities (either directly or through investment in underlying funds or derivatives) to no more than 100% and normally will seek to reduce any equity

exposure in excess of this amount as soon as practicable. However, the subadvisor may determine in light of market or economic conditions that the limit should be exceeded to achieve the fund's investment objective.

The fund seeks long term growth of capital while attempting to manage the volatility of returns and limit the magnitude of portfolio losses. The fund seeks to limit the volatility of returns to a range of 15% to 18.5% (as measured by annualized standard deviation of the fund's returns). However, during periods of prolonged low market volatility the actual volatility experienced by the fund may fall below the range.

Volatility is a measure of the magnitude of up and down fluctuations in the fund's NAV over time as measured by the annualized standard deviation of its returns. Higher volatility generally indicates higher risk. The more a fund's returns vary from the fund's average return, the more volatile the fund and the higher the standard deviation. The purpose of managing the volatility of returns is to attempt to limit exposure to more volatile asset classes, including both equities and fixed-income asset classes, during periods of high volatility and protect the fund from losses during market declines. The fund also seeks to limit the magnitude of portfolio losses in order to limit exposure during market declines. There can be no assurance that the risk management strategy will be successful in managing the volatility of returns and limit the magnitude of portfolio losses.

In seeking to manage the volatility of returns and limit the magnitude of portfolio losses, the fund may employ certain risk management techniques using derivative instruments and may reallocate assets among the underlying Equity Funds, fixed-income securities, and cash and cash equivalents. These derivatives may be used to increase or decrease the fund's net equity exposure and will typically consist of stock index futures, but may also include stock index options, options on stock index futures, and stock index swaps. The fund may also employ risk management techniques using derivatives that may increase or decrease the fund's exposure to certain types of fixed-income securities. These instruments may include government bond futures, swaps, and credit default swaps. For more information about these derivative instruments in which the fund may invest, please see the "Hedging And Other Strategic Transactions" risk section in the Statement of Additional Information. Fund assets employed for its risk management strategy include not only derivative instruments but also fixed-income instruments, used to cover derivative positions. Because equity and fixed-income derivative instruments may be purchased with a fraction of the assets that would be needed to purchase the securities directly, the remainder of the assets used for the risk management strategy will be invested in a variety of fixed-income instruments. The fund may be required to hold cash or other liquid assets and post these assets with a broker as collateral to cover its obligation under the futures contracts. The fund's risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

The use of derivatives may be combined with asset allocation techniques. The timing and extent of these techniques will depend on several factors, including market movements. In general, when equity markets are more volatile or are declining, assets may be reallocated to fixed-income securities, cash and cash equivalents, and short positions in equity derivative instruments. When equity markets rise, or if volatility is lower, assets may be reallocated to Equity Funds and stock index futures, options, and swaps. Similarly, if fixed-income markets are volatile or are declining, assets may be reallocated to Equity Funds, cash and cash equivalents, and short positions in fixed-income derivative instruments. Even in periods of low volatility, the subadvisor may continue to use risk management techniques to protect against sudden market movements, preserve gains after favorable market conditions, and reduce losses in adverse market conditions. Due to the leverage provided by derivatives, the notional value of the fund's derivative positions could exceed 100% of the fund's assets.

In determining when to employ risk management techniques, the subadvisor may use quantitative models that use historical factors such as market movements, and historical changes in the NAV of the fund to make this determination.

The subadvisor selects the percentage level to be maintained in specific underlying Equity Funds, fixed-income securities, and cash and cash equivalents and may from time to time change the allocation to these investments or rebalance these holdings. To maintain a target allocation, daily cash flows for the fund may be directed to underlying funds or other investments that most deviate from target.

The fund may invest in various Equity Funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities), and sector holdings such as utilities, science, and technology stocks. Each of these Equity Funds has its own investment strategy that, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. Equity Funds may include funds that employ a passive investment style (i.e., index funds and exchange-traded funds (ETFs)) and at times most of the fund's assets may be invested in index funds.

The fund may also invest in the securities of other investment companies including ETFs and may invest directly in other types of investments, such as equity and fixed-income securities including U.S. government securities, closed-end funds, exchange-traded notes, and partnerships. See "Other Permitted Investments by the Funds of Funds." The fund may also engage in short selling. The fund may engage in active and frequent trading of portfolio securities and other instruments to achieve its primary investment strategies.

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

*Use of Risk Management and Other Strategic Transactions.* In addition to the risk management techniques described above, the fund is authorized to use other investment strategies referred to under "Hedging And Other Strategic Transactions" risk section including, without limitation, investing in foreign currency forward contracts, futures contracts including stock index and foreign currency futures, swaps including interest rate swaps, stock index swaps and credit default swaps and options including stock index options and options on stock index futures, among others.

# Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Affiliated insurance companies.** The Advisor may be influenced by the benefits to its affiliated life insurance companies in managing the fund and overseeing its subadvisors. The John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund have a financial interest in preserving the value of the funds and reducing their volatility due to their obligations for these guaranteed benefits (the cost of providing these guaranteed benefits is related to several factors including the performance and volatility of the fund). To the extent the fund is successful in managing the volatility of returns and downside risk, the John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund will also benefit from a reduction in their potential investment risk which will reduce their costs of hedging this risk and may reduce their reserve and capital requirements. These financial benefits to the John Hancock insurance companies may be material. The fund and the fund's investment advisor have adopted procedures that are intended to address these conflicts and ensure that the fund is managed in accordance with its disclosed investment objectives and strategies.

**Asset allocation risk.** Although allocation among asset categories generally limits exposure to any one category, the management team may favor a category that performs poorly relative to the others.

**Cash collateral risk.** To the extent a fund maintains cash collateral required to cover its obligations under the derivative instruments used in its risk management strategy, such collateral holdings may have the effect of reducing overall portfolio returns. In addition, because such collateral positions cannot be eliminated or reduced unless the corresponding derivative obligation is eliminated or reduced, a large derivative position may materially limit the subadvisor's flexibility in managing the fund.

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, options, and swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Hedging risk.** There may be imperfect or even negative correlation between the price of the futures contracts and the price of the underlying securities. For example, futures contracts may not provide an effective hedge because changes in futures contract prices may not track those of the underlying securities or indexes they are intended to hedge. In addition, there are significant differences between the securities and futures markets



that could result in an imperfect correlation between the markets, causing a given hedge not to achieve its objectives. The degree of imperfection of correlation depends on circumstances such as variations in speculative market demand for futures, including technical influences in futures trading, and differences between the financial instruments being hedged and the instruments underlying the standard contracts available for trading. A decision as to whether, when and how to hedge involves the exercise of skill and judgment, and even a well-conceived hedge may be unsuccessful to some degree because of market behavior or unexpected interest rate trends. In addition, the fund's investment in exchange-traded futures as a result of the risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Leverage.** Certain of the risk management techniques that would be used in the strategy may involve indirect leverage. While these techniques would be intended to reduce downside exposure, in some cases leverage may magnify losses.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Quantitative models may not produce the desired results.** In determining when to employ risk management techniques and/or reallocate exposure among equity, fixed-income and cash, the subadvisor uses quantitative models that use historical market data. However, future market conditions may not be consistent with historical periods, and the historical data may not, therefore, prove to be an accurate predictor of future volatility or losses. The model also may not measure or analyze such data effectively. Thus, the quantitative model may not produce the desired results and may not accurately forecast either future volatility or future large market declines, and this would affect the ability of a fund to be successful in managing the volatility of returns and limiting the magnitude of portfolio losses.

**Risk management strategies may not be successful, may limit upside potential or may permit or result in losses.** The purposes of the risk management strategies are to attempt to limit the fund's total risk exposure during periods of high market volatility and reduce the fund's losses during market declines; however, there is no assurance that these strategies will be successful. These risk management strategies could limit the upside participation of the fund in rising equity markets during periods of high volatility. In instances of equity market declines followed by rising equity markets and significant levels of market volatility, these risk management strategies may detract from fund performance and at times prevent the fund from fully recovering losses by limiting the levels of exposure to equity markets. Due to the use of historical data in the models used in the risk management strategy, there can be delays, especially during volatile markets, in fully implementing the strategy when markets are declining causing the fund to experience greater losses than if the strategy had been fully implemented. There can also be delays, especially during volatile markets, in removing hedges designed to limit losses during declining markets when markets are rising strongly causing the fund to not fully participate in the rising market. The application of risk management techniques can be complex, and misjudgments in implementation may result in under- or over-allocation to equity, fixed-income and/or cash and cash equivalent exposure causing the fund to underperform or experience losses. Also, futures contracts may be subject to exchange-imposed daily price fluctuation limits, and trading may be halted if a contract's price moves above or below the limit on a given day. As a result, the fund may not be able to promptly liquidate unfavorable futures positions and could be required to hold such positions until the delivery date, regardless of changes in its value.

Since the characteristics of many securities change as markets change or time passes, the success of risk management techniques will be subject to the portfolio managers' ability to execute the strategy. Moreover, risk management strategies may increase portfolio transaction costs, which could cause or increase losses or reduce gains. Any one or more of these factors may prevent the fund from achieving the intended risk management goals or could cause the fund to underperform or experience losses (some of which may be sudden) or volatility for any particular period.

**Short positions.** In taking a short position, a fund seeks to profit from an anticipated decline in the value of a security or index of securities. If the security or index instead appreciates in value, the fund will incur losses by having to pay to close out its position at a higher price than the price it received to open that position. Unlike losses from declines in long positions in stocks or other securities (which may not exceed the original amount invested), the losses a fund may incur to close out a short position if the underlying security or index increases in value are potentially unlimited.

**Swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets.

**Use of index futures.** While the use of index futures may involve a small investment of cash, the losses to a fund could exceed the amount invested, and in certain cases even the total value of the fund's assets, due to the embedded leverage provided by the derivative. Index futures may also result in a loss to the fund if the counterparty to the transaction does not perform.

## Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

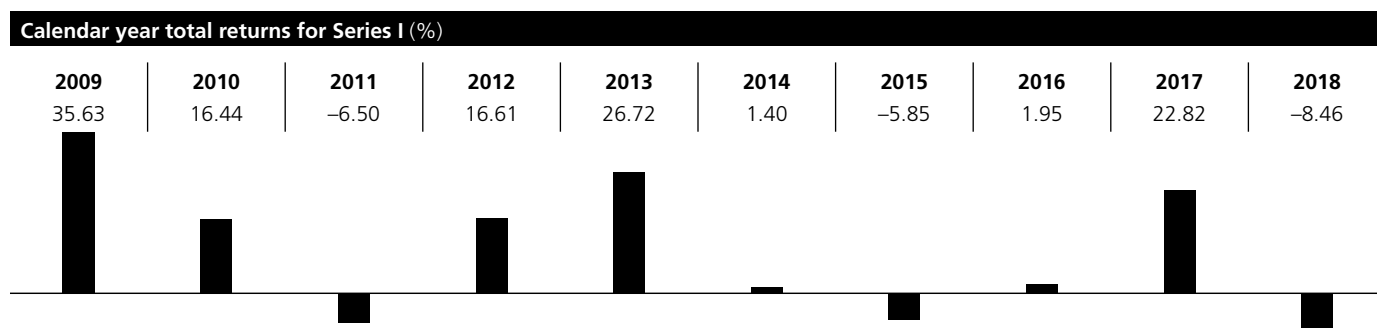
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Combined Index (described below) shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

On March 3, 2014, the fund changed its investment objective and principal investment strategies. The performance information below for the period prior to this date does not reflect these changes. Under the fund's prior investment objective and principal investment strategies, the fund normally invested approximately 100% of its assets in underlying funds that invest primarily in equity securities and could invest up to 10% of its assets in underlying funds that invest primarily in fixed-income securities and did not use certain risk management techniques to seek to manage the volatility of returns (i.e. standard deviation) and limit the magnitude of portfolio losses.

The Combined Index represents 70% of the Russell 3000 Index and 30% of the MSCI EAFE Index.



**Best quarter:** Q2 '09, 20.25%

**Worst quarter:** Q3 '11, -18.38%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-8.46	1.82	9.09	01/08/97
Series II	-8.61	1.62	8.88	01/28/02
Series NAV	-8.32	1.89	9.16	04/29/05
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-7.67	5.86	11.31	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

**Robert Sykes, CFA**

Managing Director, Portfolio Manager of Asset Allocation Team, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2018

**Luning "Gary" Li**

Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

**Nathan Thooft, CFA**

Senior Managing Director, Senior Portfolio Manager and Global Head of Asset Allocation Team, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Managed Volatility Balanced Portfolio

## Investment objective

To seek growth of capital and current income while seeking to both manage the volatility of return and limit the magnitude of portfolio losses.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.08	0.08	0.08
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.02	0.02	0.02
Acquired fund fees and expenses <sup>1</sup>	0.62	0.62	0.62
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.77</b>	<b>0.97</b>	<b>0.72</b>
Contractual expense reimbursement <sup>3</sup>	-0.02	-0.02	-0.02
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.75</b>	<b>0.95</b>	<b>0.70</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.00% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	77	97	72
<b>3 years</b>	244	307	228
<b>5 years</b>	426	534	399
<b>10 years</b>	952	1,188	893

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 36% of the average value of its portfolio.

## Principal investment strategies

The Managed Volatility Balanced Portfolio, except as otherwise described below, normally invests primarily in underlying funds that invest primarily in equity securities ("Equity Funds") and underlying funds that invest primarily in fixed-income securities ("Fixed-Income Funds"). The fund may also use certain risk management techniques to seek to manage the volatility of returns (i.e. standard deviation) and limit the magnitude of portfolio losses.

As described below, the fund may directly hold derivative instruments and collateral for these derivative instruments. The fund's economic exposure to equities and fixed-income securities may fluctuate due to its risk management strategy as noted below. The fund may employ a risk management strategy to attempt to manage the volatility of returns and limit the magnitude of portfolio losses. The risk management strategy may cause the fund's economic exposure to equity securities, fixed-income securities and cash and cash equivalents (either directly or through investment in underlying funds or derivatives) to fluctuate, and during extreme market volatility, the fund's economic exposure to either equity or fixed-income securities could be reduced to 0% and its economic exposure to cash and cash equivalents could increase to 100%. The subadvisor normally will seek to limit the fund's exposure to equity securities (either directly or through investment in underlying funds or derivatives) to no more than 55% and normally will seek to

reduce any equity exposure in excess of this amount as soon as practicable. However, the subadvisor may determine in light of market or economic conditions that the limit should be exceeded to achieve the fund's investment objective.

The fund seeks long term growth of capital while attempting to manage the volatility of returns and limit the magnitude of portfolio losses. The fund seeks to limit the volatility of returns to a range of 8.25% to 10.25% (as measured by annualized standard deviation of the fund's returns). However, during periods of prolonged low market volatility the actual volatility experienced by the fund may fall below the range due to maximum limits on equity and fixed-income exposures.

Volatility is a measure of the magnitude of up and down fluctuations in the fund's NAV over time as measured by the annualized standard deviation of its returns. Higher volatility generally indicates higher risk. The more a fund's returns vary from the fund's average return, the more volatile the fund and the higher the standard deviation. The purpose of managing the volatility of returns is to attempt to limit exposure to more volatile asset classes, including both equities and fixed-income asset classes, during periods of high volatility and protect the fund from losses during market declines. The fund also seeks to limit the magnitude of portfolio losses in order to limit exposure during market declines. There can be no assurance that the risk management strategy will be successful in managing the volatility of returns and limit the magnitude of portfolio losses.

In seeking to manage the volatility of returns and limit the magnitude of portfolio losses, the fund may employ certain risk management techniques using derivative instruments and may reallocate assets between the underlying Equity and Fixed-Income Funds. These derivatives may be used to increase or decrease the fund's net equity exposure and will typically consist of stock index futures, but may also include stock index options, options on stock index futures, and stock index swaps. The fund may also employ risk management techniques using derivatives that may increase or decrease the fund's exposure to certain types of fixed-income securities. These instruments may include government bond futures, swaps, and credit default swaps. For more information about these derivative instruments in which the fund may invest, please see the "Hedging And Other Strategic Transactions" risk section in the Statement of Additional Information. Fund assets employed for its risk management strategy include not only derivative instruments but also fixed-income instruments, used to cover derivative positions. Because equity and fixed-income derivative instruments may be purchased with a fraction of the assets that would be needed to purchase the securities directly, the remainder of the assets used for the risk management strategy will be invested in a variety of fixed-income instruments. The fund may be required to hold cash or other liquid assets and post these assets with a broker as collateral to cover its obligation under the futures contracts. The fund's risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

The use of derivatives may be combined with asset allocation techniques. The timing and extent of these techniques will depend on several factors, including market movements. In general, when equity markets are more volatile or are declining, assets may be reallocated to Fixed-Income Funds, cash and/or cash equivalents, and short positions in equity derivative instruments. When equity markets rise, or if volatility is lower, assets may be reallocated to Equity Funds and stock index futures, options, and swaps. Similarly, if fixed-income markets are volatile or are declining, assets may be reallocated to Equity Funds, cash and cash equivalents, and short positions in fixed-income derivative instruments. Even in periods of low volatility, the subadvisor may continue to use risk management techniques to protect against sudden market movements, preserve gains after favorable market conditions, and reduce losses in adverse market conditions. Due to the leverage provided by derivatives, the notional value of the fund's derivative positions could exceed 100% of the fund's assets.

In determining when to employ risk management techniques and/or reallocate assets between Equity Funds and Fixed-Income Funds, the subadvisor may use quantitative models that use historical factors such as market movements, and historical changes in the NAV of the fund to make this determination.

The subadvisor selects the percentage level to be maintained in specific underlying Equity Funds and Fixed-Income Funds, and cash and cash equivalents and may from time to time change the allocation in specific underlying funds or rebalance the underlying funds. From time to time, a significant portion of the fund's underlying fixed income assets may be managed by an affiliated subadvisor. To maintain a target allocation in the underlying funds, daily cash flows for the fund may be directed to its underlying funds that most deviate from target.

The fund may invest in various Equity Funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities), and sector holdings such as utilities, science, and technology stocks. Each of these Equity Funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in Fixed-Income Funds that as a group hold a wide range of fixed-income securities including investment grade and below-investment-grade debt securities with maturities that range from short to longer term. The Fixed-Income Funds collectively hold various types of debt instruments, such as corporate bonds and mortgage backed, government issued, domestic and international securities. Equity Funds and Fixed-Income Funds may include funds that employ a passive investment style (i.e., index funds and exchange-traded funds (ETFs)) and at times most of the fund's assets may be invested in index funds.

The fund may also invest in the securities of other investment companies including ETFs and may invest directly in other types of investments, such as equity and fixed-income securities including U.S. government securities, closed-end funds, exchange-traded notes, and partnerships. See "Other Permitted Investments by the Funds of Funds." The fund may also engage in short selling. The fund may engage in active and frequent trading of portfolio securities and other instruments to achieve its primary investment strategies.

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

*Use of Risk Management and Other Strategic Transactions.* In addition to the risk management techniques described above, the fund is authorized to use other investment strategies referred to under "Hedging And Other Strategic Transactions" risk section including, without limitation, investing in foreign currency forward contracts, futures contracts including stock index and foreign currency futures, swaps including interest rate swaps, stock index swaps and credit default swaps and options including stock index options and options on stock index futures, among others.

# Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Affiliated insurance companies.** The Advisor may be influenced by the benefits to its affiliated life insurance companies in managing the fund and overseeing its subadvisors. The John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund have a financial interest in preserving the value of the funds and reducing their volatility due to their obligations for these guaranteed benefits (the cost of providing these guaranteed benefits is related to several factors including the performance and volatility of the fund). To the extent the fund is successful in managing the volatility of returns and downside risk, the John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund will also benefit from a reduction in their potential investment risk which will reduce their costs of hedging this risk and may reduce their reserve and capital requirements. These financial benefits to the John Hancock insurance companies may be material. The fund and the fund's investment advisor have adopted procedures that are intended to address these conflicts and ensure that the fund is managed in accordance with its disclosed investment objectives and strategies.

**Asset allocation risk.** Although allocation among asset categories generally limits exposure to any one category, the management team may favor a category that performs poorly relative to the others.

**Cash collateral risk.** To the extent a fund maintains cash collateral required to cover its obligations under the derivative instruments used in its risk management strategy, such collateral holdings may have the effect of reducing overall portfolio returns. In addition, because such collateral positions cannot be eliminated or reduced unless the corresponding derivative obligation is eliminated or reduced, a large derivative position may materially limit the subadvisor's flexibility in managing the fund.

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, options, and swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Hedging risk.** There may be imperfect or even negative correlation between the price of the futures contracts and the price of the underlying securities. For example, futures contracts may not provide an effective hedge because changes in futures contract prices may not track those of the underlying securities or indexes they are intended to hedge. In addition, there are significant differences between the securities and futures markets

that could result in an imperfect correlation between the markets, causing a given hedge not to achieve its objectives. The degree of imperfection of correlation depends on circumstances such as variations in speculative market demand for futures, including technical influences in futures trading, and differences between the financial instruments being hedged and the instruments underlying the standard contracts available for trading. A decision as to whether, when and how to hedge involves the exercise of skill and judgment, and even a well-conceived hedge may be unsuccessful to some degree because of market behavior or unexpected interest rate trends. In addition, the fund's investment in exchange-traded futures as a result of the risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Leverage.** Certain of the risk management techniques that would be used in the strategy may involve indirect leverage. While these techniques would be intended to reduce downside exposure, in some cases leverage may magnify losses.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Quantitative models may not produce the desired results.** In determining when to employ risk management techniques and/or reallocate exposure among equity, fixed-income and cash, the subadvisor uses quantitative models that use historical market data. However, future market conditions may not be consistent with historical periods, and the historical data may not, therefore, prove to be an accurate predictor of future volatility or losses. The model also may not measure or analyze such data effectively. Thus, the quantitative model may not produce the desired results and may not accurately forecast either future volatility or future large market declines, and this would affect the ability of a fund to be successful in managing the volatility of returns and limiting the magnitude of portfolio losses.

**Risk management strategies may not be successful, may limit upside potential or may permit or result in losses.** The purposes of the risk management strategies are to attempt to limit the fund's total risk exposure during periods of high market volatility and reduce the fund's losses during market declines; however, there is no assurance that these strategies will be successful. These risk management strategies could limit the upside participation of the fund in rising equity markets during periods of high volatility. In instances of equity market declines followed by rising equity markets and significant levels of market volatility, these risk management strategies may detract from fund performance and at times prevent the fund from fully recovering losses by limiting the levels of exposure to equity markets. Due to the use of historical data in the models used in the risk management strategy, there can be delays, especially during volatile markets, in fully implementing the strategy when markets are declining causing the fund to experience greater losses than if the strategy had been fully implemented. There can also be delays, especially during volatile markets, in removing hedges designed to limit losses during declining markets when markets are rising strongly causing the fund to not fully participate in the rising market. The application of risk management techniques can be complex, and misjudgments in implementation may result in under- or over-allocation to equity, fixed-income and/or cash and cash equivalent exposure causing the fund to underperform or experience losses. Also, futures contracts may be subject to exchange-imposed daily price fluctuation limits, and trading may be halted if a contract's price moves above or below the limit on a given day. As a result, the fund may not be able to promptly liquidate unfavorable futures positions and could be required to hold such positions until the delivery date, regardless of changes in its value.

Since the characteristics of many securities change as markets change or time passes, the success of risk management techniques will be subject to the portfolio managers' ability to execute the strategy. Moreover, risk management strategies may increase portfolio transaction costs, which could cause or increase losses or reduce gains. Any one or more of these factors may prevent the fund from achieving the intended risk management goals or could cause the fund to underperform or experience losses (some of which may be sudden) or volatility for any particular period.

**Short positions.** In taking a short position, a fund seeks to profit from an anticipated decline in the value of a security or index of securities. If the security or index instead appreciates in value, the fund will incur losses by having to pay to close out its position at a higher price than the price it received to open that position. Unlike losses from declines in long positions in stocks or other securities (which may not exceed the original amount invested), the losses a fund may incur to close out a short position if the underlying security or index increases in value are potentially unlimited.

**Swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets as the fund approaches its target date.

**Use of index futures.** While the use of index futures may involve a small investment of cash, the losses to a fund could exceed the amount invested, and in certain cases even the total value of the fund's assets, due to the embedded leverage provided by the derivative. Index futures may also result in a loss to the fund if the counterparty to the transaction does not perform.



# Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

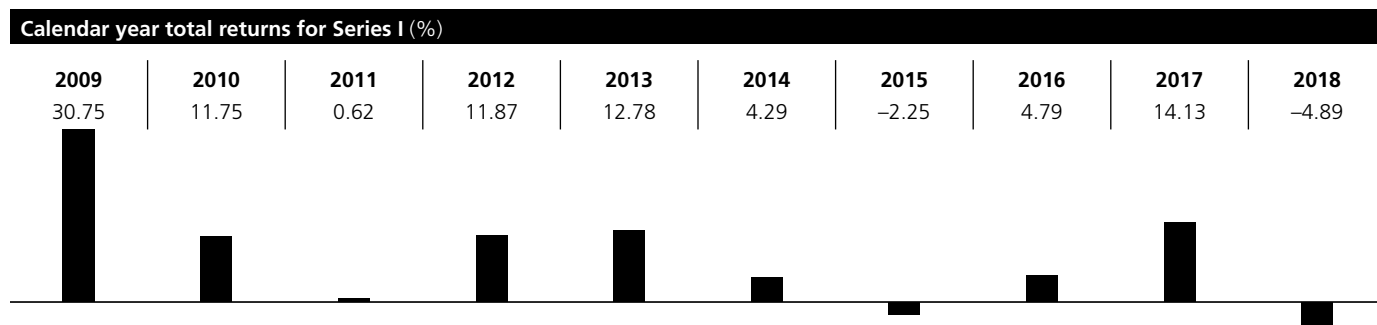
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

On March 3, 2014, the fund changed its investment objective and principal investment strategies. The performance information below for the period prior to this date does not reflect these changes. Under the fund's prior investment objective and principal investment strategies, the fund normally invested approximately 50% of its assets in underlying funds that invest primarily in equity securities and approximately 50% of its assets in underlying funds that invest primarily in fixed-income securities and did not use certain risk management techniques to seek to manage the volatility of returns (i.e. standard deviation) and limit the magnitude of portfolio losses.

The Combined Index represents 35% of the Russell 3000 Index, 15% of the MSCI EAFE Index, and 50% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q2 '09, 15.83%

**Worst quarter:** Q3 '11, -8.27%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-4.89	3.01	7.96	01/08/97
<b>Series II</b>	-5.04	2.80	7.75	01/28/02
<b>Series NAV</b>	-4.82	3.05	8.02	04/29/05
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-3.64	4.35	7.61	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

### **Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Robert Sykes, CFA**

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2018

### **Luning "Gary" Li**

Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Nathan Thooft, CFA**

Senior Managing Director, Senior Portfolio Manager and Global Head of Asset Allocation Team, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Managed Volatility Conservative Portfolio

## Investment objective

To seek current income and growth of capital, while seeking to both manage the volatility of return and limit the magnitude of portfolio losses.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.07	0.07	0.07
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.03	0.03	0.03
Acquired fund fees and expenses <sup>1</sup>	0.59	0.59	0.59
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.74</b>	<b>0.94</b>	<b>0.69</b>
Contractual expense reimbursement <sup>3</sup>	-0.03	-0.03	-0.03
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.71</b>	<b>0.91</b>	<b>0.66</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.00% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	73	93	67
<b>3 years</b>	234	297	218
<b>5 years</b>	409	517	381
<b>10 years</b>	916	1,152	856

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 34% of the average value of its portfolio.

## Principal investment strategies

The Managed Volatility Conservative Portfolio, except as otherwise described below, normally invests primarily in underlying funds that invest primarily in equity securities ("Equity Funds") and underlying funds that invest primarily in fixed-income securities ("Fixed-Income Funds"). The fund may also use certain risk management techniques to seek to manage the volatility of returns (i.e., standard deviation) and limit the magnitude of portfolio losses.

As described below, the fund may directly hold derivative instruments and collateral for these derivative instruments. The fund's economic exposure to equities and fixed-income securities may fluctuate due to its risk management strategy as noted below. The fund may employ a risk management strategy to attempt to manage the volatility of returns and limit the magnitude of portfolio losses. The risk management strategy may cause the fund's economic exposure to equity securities, fixed-income securities and cash and cash equivalents (either directly or through investment in underlying funds or derivatives) to fluctuate, and during extreme market volatility, the fund's economic exposure to either equity or fixed-income securities could be reduced to 0% and its economic exposure to cash and cash equivalents could increase to 100%. The subadvisor normally will seek to limit the fund's exposure to equity securities (either directly or through investment in underlying funds or derivatives) to no more than 22% and normally will seek to

reduce any equity exposure in excess of this amount as soon as practicable. However, the subadvisor may determine in light of market or economic conditions that the limit should be exceeded to achieve the fund's investment objective.

The fund seeks long term growth of capital while attempting to manage the volatility of returns and limit the magnitude of portfolio losses. The fund seeks to limit the volatility of returns to a range of 5.5% to 6.5% (as measured by annualized standard deviation of the fund's returns). However, during periods of prolonged low market volatility the actual volatility experienced by the fund may fall below the range due to maximum limits on equity and fixed-income exposures.

Volatility is a measure of the magnitude of up and down fluctuations in the fund's NAV over time as measured by the annualized standard deviation of its returns. Higher volatility generally indicates higher risk. The more a fund's returns vary from the fund's average return, the more volatile the fund and the higher the standard deviation. The purpose of managing the volatility of returns is to attempt to limit exposure to more volatile asset classes, including both equities and fixed-income asset classes, during periods of high volatility and protect the fund from losses during market declines. The fund also seeks to limit the magnitude of portfolio losses in order to limit exposure during market declines. There can be no assurance that the risk management strategy will be successful in managing the volatility of returns and limit the magnitude of portfolio losses.

In seeking to manage the volatility of returns and limit the magnitude of portfolio losses, the fund may employ certain risk management techniques using derivative instruments and may reallocate assets between the underlying Equity and Fixed-Income Funds. These derivatives may be used to increase or decrease the fund's net equity exposure and will typically consist of stock index futures, but may also include stock index options, options on stock index futures, and stock index swaps. The fund may also employ risk management techniques using derivatives that may increase or decrease the fund's exposure to certain types of fixed-income securities. These instruments may include government bond futures, swaps, and credit default swaps. For more information about these derivative instruments in which the fund may invest, please see the "Hedging And Other Strategic Transactions" risk section in the Statement of Additional Information. Fund assets employed for its risk management strategy include not only derivative instruments but also fixed-income instruments, used to cover derivative positions. Because equity and fixed-income derivative instruments may be purchased with a fraction of the assets that would be needed to purchase the securities directly, the remainder of the assets used for the risk management strategy will be invested in a variety of fixed-income instruments. The fund may be required to hold cash or other liquid assets and post these assets with a broker as collateral to cover its obligation under the futures contracts. The fund's risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

The use of derivatives may be combined with asset allocation techniques. The timing and extent of these techniques will depend on several factors, including market movements. In general, when equity markets are more volatile or are declining, assets may be reallocated to Fixed-Income Funds, cash and cash equivalents, and short positions in equity derivative instruments. When equity markets rise, or if volatility is lower, assets may be reallocated to Equity Funds and stock index futures, options, and swaps. Similarly, if fixed-income markets are volatile or are declining, assets may be reallocated to Equity Funds, cash and/or cash equivalents, and short positions in fixed-income derivative instruments. Even in periods of low volatility, the subadvisor may continue to use risk management techniques to protect against sudden market movements, preserve gains after favorable market conditions, and reduce losses in adverse market conditions. Due to the leverage provided by derivatives, the notional value of the fund's derivative positions could exceed 100% of the fund's assets.

In determining when to employ risk management techniques and/or reallocate assets between Equity Funds and Fixed-Income Funds, the subadvisor may use quantitative models that use historical factors such as market movements, and historical changes in the NAV of the fund to make this determination.

The subadvisor selects the percentage level to be maintained in specific underlying Equity Funds and Fixed-Income Funds, and cash and cash equivalents and may from time to time change the allocation in specific underlying funds or rebalance the underlying funds. From time to time, a significant portion of the fund's underlying fixed income assets may be managed by an affiliated subadvisor. To maintain a target allocation in the underlying funds, daily cash flows for the fund may be directed to its underlying funds that most deviate from target.

The fund may invest in various Equity Funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities), and sector holdings such as utilities, science, and technology stocks. Each of these Equity Funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in Fixed-Income Funds that as a group hold a wide range of fixed-income securities including investment grade and below-investment-grade debt securities with maturities that range from short to longer term. The Fixed-Income Funds collectively hold various types of debt instruments, such as corporate bonds and mortgage backed, government issued, domestic and international securities. Equity Funds and Fixed-Income Funds may include funds that employ a passive investment style (i.e., index funds and exchange-traded funds (ETFs)) and at times most of the fund's assets may be invested in index funds.

The fund may also invest in the securities of other investment companies including ETFs and may invest directly in other types of investments, such as equity and fixed-income securities including U.S. government securities, closed-end funds, exchange-traded notes, and partnerships. See "Other Permitted Investments by the Funds of Funds." The fund may also engage in short selling. The fund may engage in active and frequent trading of portfolio securities and other instruments to achieve its primary investment strategies.

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

*Use of Risk Management and Other Strategic Transactions.* In addition to the risk management techniques described above, the fund is authorized to use other investment strategies referred to under "Hedging And Other Strategic Transactions" risk section including, without limitation, investing in foreign currency forward contracts, futures contracts including stock index and foreign currency futures, swaps including interest rate swaps, stock index swaps and credit default swaps and options including stock index options and options on stock index futures, among others.

# Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Affiliated insurance companies.** The Advisor may be influenced by the benefits to its affiliated life insurance companies in managing the fund and overseeing its subadvisors. The John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund have a financial interest in preserving the value of the funds and reducing their volatility due to their obligations for these guaranteed benefits (the cost of providing these guaranteed benefits is related to several factors including the performance and volatility of the fund). To the extent the fund is successful in managing the volatility of returns and downside risk, the John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund will also benefit from a reduction in their potential investment risk which will reduce their costs of hedging this risk and may reduce their reserve and capital requirements. These financial benefits to the John Hancock insurance companies may be material. The fund and the fund's investment advisor have adopted procedures that are intended to address these conflicts and ensure that the fund is managed in accordance with its disclosed investment objectives and strategies.

**Asset allocation risk.** Although allocation among asset categories generally limits exposure to any one category, the management team may favor a category that performs poorly relative to the others.

**Cash collateral risk.** To the extent a fund maintains cash collateral required to cover its obligations under the derivative instruments used in its risk management strategy, such collateral holdings may have the effect of reducing overall portfolio returns. In addition, because such collateral positions cannot be eliminated or reduced unless the corresponding derivative obligation is eliminated or reduced, a large derivative position may materially limit the subadvisor's flexibility in managing the fund.

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, options, and swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Hedging risk.** There may be imperfect or even negative correlation between the price of the futures contracts and the price of the underlying securities. For example, futures contracts may not provide an effective hedge because changes in futures contract prices may not track those of the underlying securities or indexes they are intended to hedge. In addition, there are significant differences between the securities and futures markets

that could result in an imperfect correlation between the markets, causing a given hedge not to achieve its objectives. The degree of imperfection of correlation depends on circumstances such as variations in speculative market demand for futures, including technical influences in futures trading, and differences between the financial instruments being hedged and the instruments underlying the standard contracts available for trading. A decision as to whether, when and how to hedge involves the exercise of skill and judgment, and even a well-conceived hedge may be unsuccessful to some degree because of market behavior or unexpected interest rate trends. In addition, the fund's investment in exchange-traded futures as a result of the risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Leverage.** Certain of the risk management techniques that would be used in the strategy may involve indirect leverage. While these techniques would be intended to reduce downside exposure, in some cases leverage may magnify losses.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Quantitative models may not produce the desired results.** In determining when to employ risk management techniques and/or reallocate exposure among equity, fixed-income and cash, the subadvisor uses quantitative models that use historical market data. However, future market conditions may not be consistent with historical periods, and the historical data may not, therefore, prove to be an accurate predictor of future volatility or losses. The model also may not measure or analyze such data effectively. Thus, the quantitative model may not produce the desired results and may not accurately forecast either future volatility or future large market declines, and this would affect the ability of a fund to be successful in managing the volatility of returns and limiting the magnitude of portfolio losses.

**Risk management strategies may not be successful, may limit upside potential or may permit or result in losses.** The purposes of the risk management strategies are to attempt to limit the fund's total risk exposure during periods of high market volatility and reduce the fund's losses during market declines; however, there is no assurance that these strategies will be successful. These risk management strategies could limit the upside participation of the fund in rising equity markets during periods of high volatility. In instances of equity market declines followed by rising equity markets and significant levels of market volatility, these risk management strategies may detract from fund performance and at times prevent the fund from fully recovering losses by limiting the levels of exposure to equity markets. Due to the use of historical data in the models used in the risk management strategy, there can be delays, especially during volatile markets, in fully implementing the strategy when markets are declining causing the fund to experience greater losses than if the strategy had been fully implemented. There can also be delays, especially during volatile markets, in removing hedges designed to limit losses during declining markets when markets are rising strongly causing the fund to not fully participate in the rising market. The application of risk management techniques can be complex, and misjudgments in implementation may result in under- or over-allocation to equity, fixed-income and/or cash and cash equivalent exposure causing the fund to underperform or experience losses. Also, futures contracts may be subject to exchange-imposed daily price fluctuation limits, and trading may be halted if a contract's price moves above or below the limit on a given day. As a result, the fund may not be able to promptly liquidate unfavorable futures positions and could be required to hold such positions until the delivery date, regardless of changes in its value.

Since the characteristics of many securities change as markets change or time passes, the success of risk management techniques will be subject to the portfolio managers' ability to execute the strategy. Moreover, risk management strategies may increase portfolio transaction costs, which could cause or increase losses or reduce gains. Any one or more of these factors may prevent the fund from achieving the intended risk management goals or could cause the fund to underperform or experience losses (some of which may be sudden) or volatility for any particular period.

**Short positions.** In taking a short position, a fund seeks to profit from an anticipated decline in the value of a security or index of securities. If the security or index instead appreciates in value, the fund will incur losses by having to pay to close out its position at a higher price than the price it received to open that position. Unlike losses from declines in long positions in stocks or other securities (which may not exceed the original amount invested), the losses a fund may incur to close out a short position if the underlying security or index increases in value are potentially unlimited.

**Swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets as the fund approaches its target date.

**Use of index futures.** While the use of index futures may involve a small investment of cash, the losses to a fund could exceed the amount invested, and in certain cases even the total value of the fund's assets, due to the embedded leverage provided by the derivative. Index futures may also result in a loss to the fund if the counterparty to the transaction does not perform.

# Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.



**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

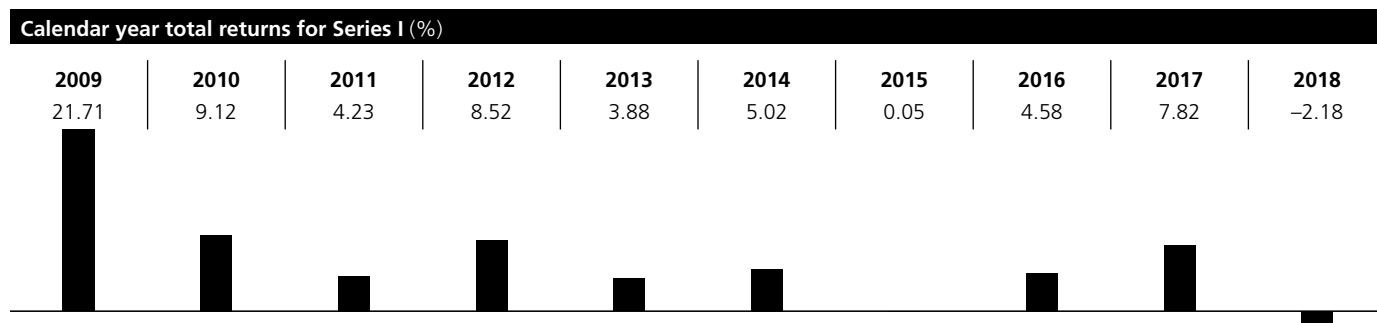
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

On March 3, 2014, the fund changed its investment objective and principal investment strategies. The performance information below for the period prior to this date does not reflect these changes. Under the fund's prior investment objective and principal investment strategies, the fund normally invested approximately 20% of its assets in underlying funds that invest primarily in equity securities and approximately 80% of its assets in underlying funds that invest primarily in fixed-income securities and did not use certain risk management techniques to seek to manage the volatility of returns (i.e., standard deviation) and limit the magnitude of portfolio losses.

The Combined Index represents 14% of the Russell 3000 Index, 6% of the MSCI EAFE Index, and 80% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q2 '09, 10.58%

**Worst quarter:** Q4 '18, -2.53%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-2.18	2.99	6.10	01/08/97
<b>Series II</b>	-2.39	2.79	5.89	01/28/02
<b>Series NAV</b>	-2.21	3.02	6.14	04/29/05
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-1.40	3.29	5.18	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

### **Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Robert Sykes, CFA**

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset  
Management (US) LLC  
Managed fund since 2018

### **Luning "Gary" Li**

Managing Director and Senior Portfolio Manager, John Hancock Asset  
Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Nathan Thooft, CFA**

Senior Managing Director, Senior Portfolio Manager and Global Head of  
Asset Allocation Team, John Hancock Asset Management a division of  
Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Managed Volatility Growth Portfolio

## Investment objective

To seek long term growth of capital while seeking to both manage the volatility of return and limit the magnitude of portfolio losses.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.08	0.08	0.08
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.02	0.02	0.02
Acquired fund fees and expenses <sup>1</sup>	0.65	0.65	0.65
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.80</b>	<b>1.00</b>	<b>0.75</b>
Contractual expense reimbursement <sup>3</sup>	-0.02	-0.02	-0.02
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.78</b>	<b>0.98</b>	<b>0.73</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.00% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	80	100	75
<b>3 years</b>	253	316	238
<b>5 years</b>	442	551	415
<b>10 years</b>	988	1,223	928

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 37% of the average value of its portfolio.

## Principal investment strategies

The Managed Volatility Growth Portfolio, except as otherwise described below, normally invests primarily in underlying funds that invest primarily in equity securities ("Equity Funds") and underlying funds that invest primarily in fixed-income securities ("Fixed-Income Funds"). The fund may also use certain risk management techniques to seek to manage the volatility of returns (i.e., standard deviation) and limit the magnitude of portfolio losses.

As described below, the fund may directly hold derivative instruments and collateral for these derivative instruments. The fund's economic exposure to equities and fixed-income securities may fluctuate due to its risk management strategy as noted below. The fund may employ a risk management strategy to attempt to manage the volatility of returns and limit the magnitude of portfolio losses. The risk management strategy may cause the fund's economic exposure to equity securities, fixed-income securities and cash and cash equivalents (either directly or through investment in underlying funds or derivatives) to fluctuate, and during extreme market volatility, the fund's economic exposure to either equity or fixed-income securities could be reduced to 0% and its economic exposure to cash and cash equivalents could increase to 100%. The subadvisor normally will seek to limit the fund's exposure to equity securities (either directly or through investment in underlying funds or derivatives) to no more than 77% and normally will seek to

reduce any equity exposure in excess of this amount as soon as practicable. However, the subadvisor may determine in light of market or economic conditions that the limit should be exceeded to achieve the fund's investment objective.

The fund seeks long term growth of capital while attempting to manage the volatility of returns and limit the magnitude of portfolio losses. The fund seeks to limit the volatility of returns to a range of 11% to 13% (as measured by annualized standard deviation of the fund's returns). However, during periods of prolonged low market volatility the actual volatility experienced by the fund may fall below the range due to maximum limits on equity and fixed-income exposures.

Volatility is a measure of the magnitude of up and down fluctuations in the fund's NAV over time as measured by the annualized standard deviation of its returns. Higher volatility generally indicates higher risk. The more a fund's returns vary from the fund's average return, the more volatile the fund and the higher the standard deviation. The purpose of managing the volatility of returns is to attempt to limit exposure to more volatile asset classes, including both equities and fixed-income asset classes, during periods of high volatility and protect the fund from losses during market declines. The fund also seeks to limit the magnitude of portfolio losses in order to limit exposure during market declines. There can be no assurance that the risk management strategy will be successful in managing the volatility of returns and limit the magnitude of portfolio losses.

In seeking to manage the volatility of returns and limit the magnitude of portfolio losses, the fund may employ certain risk management techniques using derivative instruments and may reallocate assets between the underlying Equity and Fixed-Income Funds. These derivatives may be used to increase or decrease the fund's net equity exposure and will typically consist of stock index futures, but may also include stock index options, options on stock index futures, and stock index swaps. The fund may also employ risk management techniques using derivatives that may increase or decrease the fund's exposure to certain types of fixed-income securities. These instruments may include government bond futures, swaps, and credit default swaps. For more information about these derivative instruments in which the fund may invest, please see the "Hedging And Other Strategic Transactions" risk section in the Statement of Additional Information. Fund assets employed for its risk management strategy include not only derivative instruments but also fixed-income instruments, used to cover derivative positions. Because equity and fixed-income derivative instruments may be purchased with a fraction of the assets that would be needed to purchase the securities directly, the remainder of the assets used for the risk management strategy will be invested in a variety of fixed-income instruments. The fund may be required to hold cash or other liquid assets and post these assets with a broker as collateral to cover its obligation under the futures contracts. The fund's risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

The use of derivatives may be combined with asset allocation techniques. The timing and extent of these techniques will depend on several factors, including market movements. In general, when equity markets are more volatile or are declining, assets may be reallocated to Fixed-Income Funds, cash and/or cash equivalents, and short positions in equity derivative instruments. When equity markets rise, or if volatility is lower, assets may be reallocated to Equity Funds and stock index futures, options, and swaps. Similarly, if fixed-income markets are volatile or are declining, assets may be reallocated to Equity Funds, cash and cash equivalents, and short positions in fixed-income derivative instruments. Even in periods of low volatility, the subadvisor may continue to use risk management techniques to protect against sudden market movements, preserve gains after favorable market conditions, and reduce losses in adverse market conditions. Due to the leverage provided by derivatives, the notional value of the fund's derivative positions could exceed 100% of the fund's assets.

In determining when to employ risk management techniques and/or reallocate assets between Equity Funds and Fixed-Income Funds, the subadvisor may use quantitative models that use historical factors such as market movements, and historical changes in the NAV of the fund to make this determination.

The subadvisor selects the percentage level to be maintained in specific underlying Equity Funds and Fixed-Income Funds, and cash and cash equivalents and may from time to time change the allocation in specific underlying funds or rebalance the underlying funds. From time to time, a significant portion of the fund's underlying fixed income assets may be managed by an affiliated subadvisor. To maintain a target allocation in the underlying funds, daily cash flows for the fund may be directed to its underlying funds that most deviate from target.

The fund may invest in various Equity Funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities), and sector holdings such as utilities, science, and technology stocks. Each of these Equity Funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in Fixed-Income Funds that as a group hold a wide range of fixed-income securities including investment grade and below-investment-grade debt securities with maturities that range from short to longer term. The Fixed-Income Funds collectively hold various types of debt instruments, such as corporate bonds and mortgage backed, government issued, domestic and international securities. Equity Funds and Fixed-Income Funds may include funds that employ a passive investment style (i.e., index funds and exchange-traded funds (ETFs)) and at times most of the fund's assets may be invested in index funds.

The fund may also invest in the securities of other investment companies including ETFs and may invest directly in other types of investments, such as equity and fixed-income securities including U.S. government securities, closed-end funds, exchange-traded notes, and partnerships. See "Other Permitted Investments by the Funds of Funds." The fund may also engage in short selling. The fund may engage in active and frequent trading of portfolio securities and other instruments to achieve its primary investment strategies.

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

*Use of Risk Management and Other Strategic Transactions.* In addition to the risk management techniques described above, the fund is authorized to use other investment strategies referred to under "Hedging And Other Strategic Transactions" risk section including, without limitation, investing in foreign currency forward contracts, futures contracts including stock index and foreign currency futures, swaps including interest rate swaps, stock index swaps and credit default swaps and options including stock index options and options on stock index futures, among others.

# Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Affiliated insurance companies.** The Advisor may be influenced by the benefits to its affiliated life insurance companies in managing the fund and overseeing its subadvisors. The John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund have a financial interest in preserving the value of the funds and reducing their volatility due to their obligations for these guaranteed benefits (the cost of providing these guaranteed benefits is related to several factors including the performance and volatility of the fund). To the extent the fund is successful in managing the volatility of returns and downside risk, the John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund will also benefit from a reduction in their potential investment risk which will reduce their costs of hedging this risk and may reduce their reserve and capital requirements. These financial benefits to the John Hancock insurance companies may be material. The fund and the fund's investment advisor have adopted procedures that are intended to address these conflicts and ensure that the fund is managed in accordance with its disclosed investment objectives and strategies.

**Asset allocation risk.** Although allocation among asset categories generally limits exposure to any one category, the management team may favor a category that performs poorly relative to the others.

**Cash collateral risk.** To the extent a fund maintains cash collateral required to cover its obligations under the derivative instruments used in its risk management strategy, such collateral holdings may have the effect of reducing overall portfolio returns. In addition, because such collateral positions cannot be eliminated or reduced unless the corresponding derivative obligation is eliminated or reduced, a large derivative position may materially limit the subadvisor's flexibility in managing the fund.

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, options, and swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Hedging risk.** There may be imperfect or even negative correlation between the price of the futures contracts and the price of the underlying securities. For example, futures contracts may not provide an effective hedge because changes in futures contract prices may not track those of the underlying securities or indexes they are intended to hedge. In addition, there are significant differences between the securities and futures markets

that could result in an imperfect correlation between the markets, causing a given hedge not to achieve its objectives. The degree of imperfection of correlation depends on circumstances such as variations in speculative market demand for futures, including technical influences in futures trading, and differences between the financial instruments being hedged and the instruments underlying the standard contracts available for trading. A decision as to whether, when and how to hedge involves the exercise of skill and judgment, and even a well-conceived hedge may be unsuccessful to some degree because of market behavior or unexpected interest rate trends. In addition, the fund's investment in exchange-traded futures as a result of the risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Leverage.** Certain of the risk management techniques that would be used in the strategy may involve indirect leverage. While these techniques would be intended to reduce downside exposure, in some cases leverage may magnify losses.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Quantitative models may not produce the desired results.** In determining when to employ risk management techniques and/or reallocate exposure among equity, fixed-income and cash, the subadvisor uses quantitative models that use historical market data. However, future market conditions may not be consistent with historical periods, and the historical data may not, therefore, prove to be an accurate predictor of future volatility or losses. The model also may not measure or analyze such data effectively. Thus, the quantitative model may not produce the desired results and may not accurately forecast either future volatility or future large market declines, and this would affect the ability of a fund to be successful in managing the volatility of returns and limiting the magnitude of portfolio losses.

**Risk management strategies may not be successful, may limit upside potential or may permit or result in losses.** The purposes of the risk management strategies are to attempt to limit the fund's total risk exposure during periods of high market volatility and reduce the fund's losses during market declines; however, there is no assurance that these strategies will be successful. These risk management strategies could limit the upside participation of the fund in rising equity markets during periods of high volatility. In instances of equity market declines followed by rising equity markets and significant levels of market volatility, these risk management strategies may detract from fund performance and at times prevent the fund from fully recovering losses by limiting the levels of exposure to equity markets. Due to the use of historical data in the models used in the risk management strategy, there can be delays, especially during volatile markets, in fully implementing the strategy when markets are declining causing the fund to experience greater losses than if the strategy had been fully implemented. There can also be delays, especially during volatile markets, in removing hedges designed to limit losses during declining markets when markets are rising strongly causing the fund to not fully participate in the rising market. The application of risk management techniques can be complex, and misjudgments in implementation may result in under- or over-allocation to equity, fixed-income and/or cash and cash equivalent exposure causing the fund to underperform or experience losses. Also, futures contracts may be subject to exchange-imposed daily price fluctuation limits, and trading may be halted if a contract's price moves above or below the limit on a given day. As a result, the fund may not be able to promptly liquidate unfavorable futures positions and could be required to hold such positions until the delivery date, regardless of changes in its value.

Since the characteristics of many securities change as markets change or time passes, the success of risk management techniques will be subject to the portfolio managers' ability to execute the strategy. Moreover, risk management strategies may increase portfolio transaction costs, which could cause or increase losses or reduce gains. Any one or more of these factors may prevent the fund from achieving the intended risk management goals or could cause the fund to underperform or experience losses (some of which may be sudden) or volatility for any particular period.

**Short positions.** In taking a short position, a fund seeks to profit from an anticipated decline in the value of a security or index of securities. If the security or index instead appreciates in value, the fund will incur losses by having to pay to close out its position at a higher price than the price it received to open that position. Unlike losses from declines in long positions in stocks or other securities (which may not exceed the original amount invested), the losses a fund may incur to close out a short position if the underlying security or index increases in value are potentially unlimited.

**Swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets as the fund approaches its target date.

**Use of index futures.** While the use of index futures may involve a small investment of cash, the losses to a fund could exceed the amount invested, and in certain cases even the total value of the fund's assets, due to the embedded leverage provided by the derivative. Index futures may also result in a loss to the fund if the counterparty to the transaction does not perform.

# Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

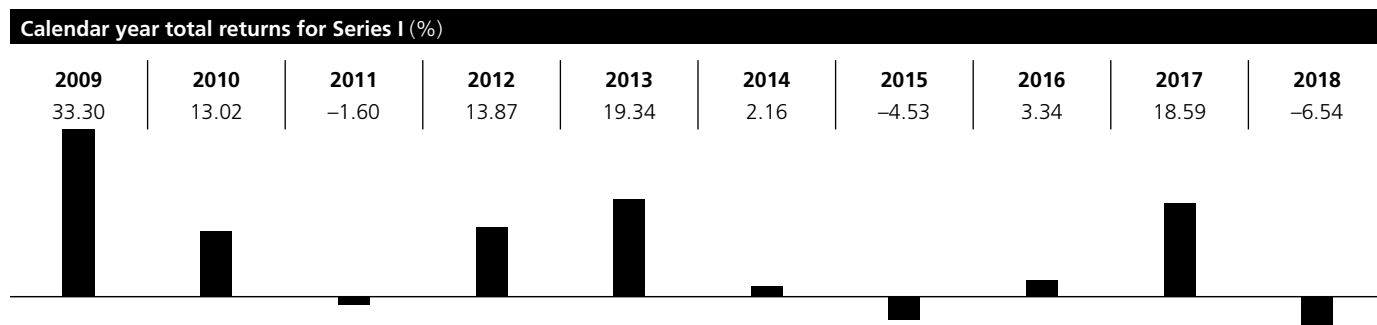
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Bloomberg Barclays U.S. Aggregate Bond Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

On March 3, 2014, the fund changed its investment objective and principal investment strategies. The performance information below for the period prior to this date does not reflect these changes. Under the fund's prior investment objective and principal investment strategies, the fund normally invested approximately 70% of its assets in underlying funds that invest primarily in equity securities and approximately 30% of its assets in underlying funds that invest primarily in fixed-income securities and did not use certain risk management techniques to seek to manage the volatility of returns (i.e. standard deviation) and limit the magnitude of portfolio losses.

The Combined Index represents 49% of the Russell 3000 Index, 21% of the MSCI EAFE Index and 30% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q2 '09, 17.89%

**Worst quarter:** Q3 '11, -12.13%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-6.54	2.24	8.45	01/08/97
<b>Series II</b>	-6.70	2.04	8.22	01/28/02
<b>Series NAV</b>	-6.55	2.29	8.49	04/29/05
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-5.20	4.99	9.15	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC



## Portfolio management

### **Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Robert Sykes, CFA**

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset  
Management (US) LLC  
Managed fund since 2018

### **Luning "Gary" Li**

Managing Director and Senior Portfolio Manager, John Hancock Asset  
Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Nathan Thooft, CFA**

Senior Managing Director, Senior Portfolio Manager and Global Head of  
Asset Allocation Team, John Hancock Asset Management a division of  
Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Managed Volatility Moderate Portfolio

## Investment objective

To seek current income and growth of capital while seeking to both manage the volatility of return and limit the magnitude of portfolio losses.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.07	0.07	0.07
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.02	0.02	0.02
Acquired fund fees and expenses <sup>1</sup>	0.61	0.61	0.61
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.75</b>	<b>0.95</b>	<b>0.70</b>
Contractual expense reimbursement <sup>3</sup>	-0.02	-0.02	-0.02
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.73</b>	<b>0.93</b>	<b>0.68</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor has contractually agreed to reduce its management fee and/or make payment to the fund in an amount equal to the amount by which "Other expenses" of the fund exceed 0.00% of the average daily net assets of the fund. "Other expenses" means all of the expenses of the fund, excluding certain expenses such as advisory fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, distribution and service (Rule 12b-1) fees, underlying fund expenses (acquired fund fees), and short dividend expense. The current expense limitation agreement expires on April 30, 2020 unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	75	95	69
<b>3 years</b>	238	301	222
<b>5 years</b>	415	524	388
<b>10 years</b>	928	1,165	869

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 35% of the average value of its portfolio.

## Principal investment strategies

The Managed Volatility Moderate Portfolio, except as otherwise described below, normally invests primarily in underlying funds that invest primarily in equity securities ("Equity Funds") and underlying funds that invest primarily in fixed-income securities ("Fixed-Income Funds"). The fund may also use certain risk management techniques to seek to manage the volatility of returns (i.e., standard deviation) and limit the magnitude of portfolio losses.

As described below, the fund may directly hold derivative instruments and collateral for these derivative instruments. The fund's economic exposure to equities and fixed-income securities may fluctuate due to its risk management strategy as noted below. The fund may employ a risk management strategy to attempt to manage the volatility of returns and limit the magnitude of portfolio losses. The risk management strategy may cause the fund's economic exposure to equity securities, fixed-income securities and cash and cash equivalents (either directly or through investment in underlying funds or derivatives) to fluctuate, and during extreme market volatility, the fund's economic exposure to either equity or fixed-income securities could be reduced to 0% and its economic exposure to cash and cash equivalents could increase to 100%. The subadvisor normally will seek to limit the fund's exposure to equity securities (either directly or through investment in underlying funds or derivatives) to no more than 44% and normally will seek to

reduce any equity exposure in excess of this amount as soon as practicable. However, the subadvisor may determine in light of market or economic conditions that the limit should be exceeded to achieve the fund's investment objective.

The fund seeks long term growth of capital while attempting to manage the volatility of returns and limit the magnitude of portfolio losses. The fund seeks to limit the volatility of returns to a range of 7% to 9% (as measured by annualized standard deviation of the fund's returns). However, during periods of prolonged low market volatility the actual volatility experienced by the fund may fall below the range due to maximum limits on equity and fixed-income exposures.

Volatility is a measure of the magnitude of up and down fluctuations in the fund's NAV over time as measured by the annualized standard deviation of its returns. Higher volatility generally indicates higher risk. The more a fund's returns vary from the fund's average return, the more volatile the fund and the higher the standard deviation. The purpose of managing the volatility of returns is to attempt to limit exposure to more volatile asset classes, including both equities and fixed-income asset classes, during periods of high volatility and protect the fund from losses during market declines. The fund also seeks to limit the magnitude of portfolio losses in order to limit exposure during market declines. There can be no assurance that the risk management strategy will be successful in managing the volatility of returns and limiting the magnitude of portfolio losses.

In seeking to manage the volatility of returns and limit the magnitude of portfolio losses, the fund may employ certain risk management techniques using derivative instruments and may reallocate assets between the underlying Equity and Fixed-Income Funds. These derivatives may be used to increase or decrease the fund's net equity exposure and will typically consist of stock index futures, but may also include stock index options, options on stock index futures, and stock index swaps. The fund may also employ risk management techniques using derivatives that may increase or decrease the fund's exposure to certain types of fixed-income securities. These instruments may include government bond futures, swaps, and credit default swaps. For more information about these derivative instruments in which the fund may invest, please see the "Hedging And Other Strategic Transactions" risk section in the Statement of Additional Information. Fund assets employed for its risk management strategy include not only derivative instruments but also fixed-income instruments, used to cover derivative positions. Because equity and fixed-income derivative instruments may be purchased with a fraction of the assets that would be needed to purchase the securities directly, the remainder of the assets used for the risk management strategy will be invested in a variety of fixed-income instruments. The fund may be required to hold cash or other liquid assets and post these assets with a broker as collateral to cover its obligation under the futures contracts. The fund's risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

The use of derivatives may be combined with asset allocation techniques. The timing and extent of these techniques will depend on several factors, including market movements. In general, when equity markets are more volatile or are declining, assets may be reallocated to Fixed-Income Funds, cash and/or cash equivalents, and short positions in equity derivative instruments. When equity markets rise, or if volatility is lower, assets may be reallocated to Equity Funds and stock index futures, options, and swaps. Similarly, if fixed-income markets are volatile or are declining, assets may be reallocated to Equity Funds, cash and cash equivalents, and short positions in fixed-income derivative instruments. Even in periods of low volatility, the subadvisor may continue to use risk management techniques to protect against sudden market movements, preserve gains after favorable market conditions, and reduce losses in adverse market conditions. Due to the leverage provided by derivatives, the notional value of the fund's derivative positions could exceed 100% of the fund's assets.

In determining when to employ risk management techniques and/or reallocate assets between Equity Funds and Fixed-Income Funds, the subadvisor may use quantitative models that use historical factors such as market movements, and historical changes in the NAV of the fund to make this determination.

The subadvisor selects the percentage level to be maintained in specific underlying Equity Funds and Fixed-Income Funds, and cash and cash equivalents and may from time to time change the allocation in specific underlying funds or rebalance the underlying funds. From time to time, a significant portion of the fund's underlying fixed income assets may be managed by an affiliated subadvisor. To maintain a target allocation in the underlying funds, daily cash flows for the fund may be directed to its underlying funds that most deviate from target.

The fund may invest in various Equity Funds that as a group hold a wide range of equity type securities. These include small-, mid- and large-capitalization stocks, domestic and foreign securities (including emerging market securities), and sector holdings such as utilities, science, and technology stocks. Each of these Equity Funds has its own investment strategy which, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives such as options on securities and futures contracts. The fund may also invest in Fixed-Income Funds that as a group hold a wide range of fixed-income securities including investment grade and below-investment-grade debt securities with maturities that range from short to longer term. The Fixed-Income Funds collectively hold various types of debt instruments, such as corporate bonds and mortgage backed, government issued, domestic and international securities. Equity Funds and Fixed-Income Funds may include funds that employ a passive investment style (i.e., index funds and exchange-traded funds (ETFs)) and at times most of the fund's assets may be invested in index funds.

The fund may also invest in the securities of other investment companies including ETFs and may invest directly in other types of investments, such as equity and fixed-income securities including U.S. government securities, closed-end funds, exchange-traded notes, and partnerships. See "Other Permitted Investments by the Funds of Funds." The fund may also engage in short selling. The fund may engage in active and frequent trading of portfolio securities and other instruments to achieve its primary investment strategies.

The fund bears its own expenses and, in addition, indirectly bears its proportionate share of the expenses of the underlying funds in which it invests.

*Use of Risk Management and Other Strategic Transactions.* In addition to the risk management techniques described above, the fund is authorized to use other investment strategies referred to under "Hedging And Other Strategic Transactions" risk section including, without limitation, investing in foreign currency forward contracts, futures contracts including stock index and foreign currency futures, swaps including interest rate swaps, stock index swaps and credit default swaps and options including stock index options and options on stock index futures, among others.

# Principal risks of investing in the fund of funds

The fund of funds is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund of funds include:

**Affiliated insurance companies.** The Advisor may be influenced by the benefits to its affiliated life insurance companies in managing the fund and overseeing its subadvisors. The John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund have a financial interest in preserving the value of the funds and reducing their volatility due to their obligations for these guaranteed benefits (the cost of providing these guaranteed benefits is related to several factors including the performance and volatility of the fund). To the extent the fund is successful in managing the volatility of returns and downside risk, the John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund will also benefit from a reduction in their potential investment risk which will reduce their costs of hedging this risk and may reduce their reserve and capital requirements. These financial benefits to the John Hancock insurance companies may be material. The fund and the fund's investment advisor have adopted procedures that are intended to address these conflicts and ensure that the fund is managed in accordance with its disclosed investment objectives and strategies.

**Asset allocation risk.** Although allocation among asset categories generally limits exposure to any one category, the management team may favor a category that performs poorly relative to the others.

**Cash collateral risk.** To the extent a fund maintains cash collateral required to cover its obligations under the derivative instruments used in its risk management strategy, such collateral holdings may have the effect of reducing overall portfolio returns. In addition, because such collateral positions cannot be eliminated or reduced unless the corresponding derivative obligation is eliminated or reduced, a large derivative position may materially limit the subadvisor's flexibility in managing the fund.

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, options, and swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Hedging risk.** There may be imperfect or even negative correlation between the price of the futures contracts and the price of the underlying securities. For example, futures contracts may not provide an effective hedge because changes in futures contract prices may not track those of the underlying securities or indexes they are intended to hedge. In addition, there are significant differences between the securities and futures markets

that could result in an imperfect correlation between the markets, causing a given hedge not to achieve its objectives. The degree of imperfection of correlation depends on circumstances such as variations in speculative market demand for futures, including technical influences in futures trading, and differences between the financial instruments being hedged and the instruments underlying the standard contracts available for trading. A decision as to whether, when and how to hedge involves the exercise of skill and judgment, and even a well-conceived hedge may be unsuccessful to some degree because of market behavior or unexpected interest rate trends. In addition, the fund's investment in exchange-traded futures as a result of the risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Leverage.** Certain of the risk management techniques that would be used in the strategy may involve indirect leverage. While these techniques would be intended to reduce downside exposure, in some cases leverage may magnify losses.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Quantitative models may not produce the desired results.** In determining when to employ risk management techniques and/or reallocate exposure among equity, fixed-income and cash, the subadvisor uses quantitative models that use historical market data. However, future market conditions may not be consistent with historical periods, and the historical data may not, therefore, prove to be an accurate predictor of future volatility or losses. The model also may not measure or analyze such data effectively. Thus, the quantitative model may not produce the desired results and may not accurately forecast either future volatility or future large market declines, and this would affect the ability of a fund to be successful in managing the volatility of returns and limiting the magnitude of portfolio losses.

**Risk management strategies may not be successful, may limit upside potential or may permit or result in losses.** The purposes of the risk management strategies are to attempt to limit the fund's total risk exposure during periods of high market volatility and reduce the fund's losses during market declines; however, there is no assurance that these strategies will be successful. These risk management strategies could limit the upside participation of the fund in rising equity markets during periods of high volatility. In instances of equity market declines followed by rising equity markets and significant levels of market volatility, these risk management strategies may detract from fund performance and at times prevent the fund from fully recovering losses by limiting the levels of exposure to equity markets. Due to the use of historical data in the models used in the risk management strategy, there can be delays, especially during volatile markets, in fully implementing the strategy when markets are declining causing the fund to experience greater losses than if the strategy had been fully implemented. There can also be delays, especially during volatile markets, in removing hedges designed to limit losses during declining markets when markets are rising strongly causing the fund to not fully participate in the rising market. The application of risk management techniques can be complex, and misjudgments in implementation may result in under- or over-allocation to equity, fixed-income and/or cash and cash equivalent exposure causing the fund to underperform or experience losses. Also, futures contracts may be subject to exchange-imposed daily price fluctuation limits, and trading may be halted if a contract's price moves above or below the limit on a given day. As a result, the fund may not be able to promptly liquidate unfavorable futures positions and could be required to hold such positions until the delivery date, regardless of changes in its value.

Since the characteristics of many securities change as markets change or time passes, the success of risk management techniques will be subject to the portfolio managers' ability to execute the strategy. Moreover, risk management strategies may increase portfolio transaction costs, which could cause or increase losses or reduce gains. Any one or more of these factors may prevent the fund from achieving the intended risk management goals or could cause the fund to underperform or experience losses (some of which may be sudden) or volatility for any particular period.

**Short positions.** In taking a short position, a fund seeks to profit from an anticipated decline in the value of a security or index of securities. If the security or index instead appreciates in value, the fund will incur losses by having to pay to close out its position at a higher price than the price it received to open that position. Unlike losses from declines in long positions in stocks or other securities (which may not exceed the original amount invested), the losses a fund may incur to close out a short position if the underlying security or index increases in value are potentially unlimited.

**Swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

**Target allocation risk.** The fund's risk profile will change due to reallocation or rebalancing of portfolio assets as the fund approaches its target date.

**Use of index futures.** While the use of index futures may involve a small investment of cash, the losses to a fund could exceed the amount invested, and in certain cases even the total value of the fund's assets, due to the embedded leverage provided by the derivative. Index futures may also result in a loss to the fund if the counterparty to the transaction does not perform.

# Principal risks of investing in the underlying funds

The principal risks of investing in the Underlying Funds include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that a fund may utilize include: credit default swaps, foreign currency forward contracts, futures contracts, interest-rate swaps, and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

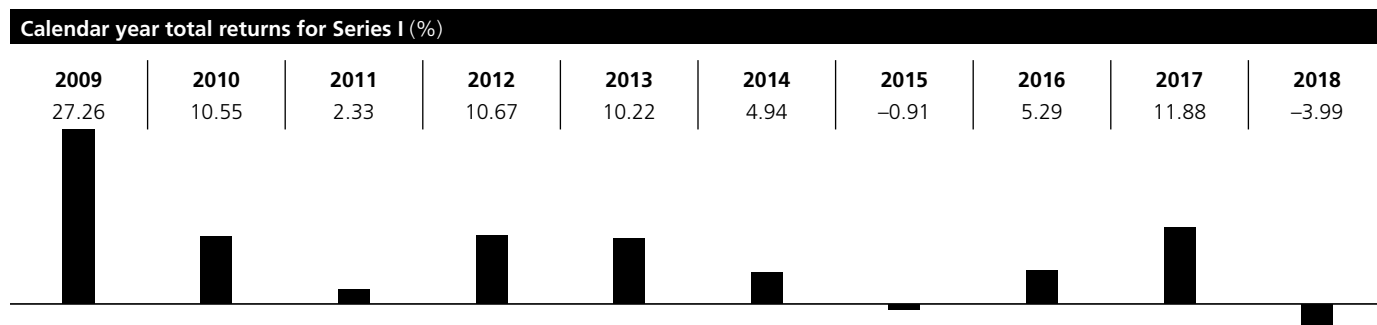
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index and the Combined Index (described below) show how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

On March 3, 2014, the fund changed its investment objective and principal investment strategies. The performance information below for the period prior to this date does not reflect these changes. Under the fund's prior investment objective and principal investment strategies, the fund normally invested approximately 40% of its assets in underlying funds that invest primarily in equity securities and approximately 60% of its assets in underlying funds that invest primarily in fixed-income securities and did not use certain risk management techniques to seek to manage the volatility of returns (i.e. standard deviation) and limit the magnitude of portfolio losses.

The Combined Index represents 28% of the Russell 3000 Index, 12% of the MSCI EAFE Index, and 60% of the Bloomberg Barclays U.S. Aggregate Bond Index.



**Best quarter:** Q2 '09, 13.89%

**Worst quarter:** Q4 '18, -5.99%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-3.99	3.30	7.52	01/08/97
<b>Series II</b>	-4.12	3.10	7.31	01/28/02
<b>Series NAV</b>	-3.94	3.35	7.57	04/29/05
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Combined Index (reflects no deduction for fees, expenses, or taxes)	-2.88	4.01	6.82	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

### **Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Robert Sykes, CFA**

Managing Director, Portfolio Manager of Asset Allocation Team,  
John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2018

### **Luning “Gary” Li**

Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2014

### **Nathan Thooft, CFA**

Senior Managing Director, Senior Portfolio Manager and Global Head of Asset Allocation Team, John Hancock Asset Management a division of Manulife Asset Management (US) LLC  
Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.



# Mid Cap Index Trust

## Investment objective

Seeks to approximate the aggregate total return of a mid cap U.S. domestic equity market index.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.47	0.47	0.47
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
<b>Total annual fund operating expenses</b>	<b>0.56</b>	<b>0.76</b>	<b>0.51</b>
Contractual expense reimbursement <sup>1</sup>	-0.11	-0.11	-0.11
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.45</b>	<b>0.65</b>	<b>0.40</b>

<sup>1</sup> The advisor contractually agrees to reduce its management fee by an annual rate of 0.10% of the fund's average daily net assets. This agreement expires on April 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	46	66	41
<b>3 years</b>	168	232	152
<b>5 years</b>	302	412	274
<b>10 years</b>	691	932	630

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 15% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) at the time of investment in: (a) the common stocks that are included in the S&P Midcap 400 Index; and (b) securities (which may or may not be included in the S&P Midcap 400 Index) that the subadvisor believes as a group will behave in a manner similar to the index. As of February 28, 2019, the market capitalizations of companies included in the S&P Midcap 400 Index ranged from \$1 billion to \$12.3 billion.

An index is an unmanaged group of securities whose overall performance is used as an investment benchmark. Indexes may track broad investment markets, such as the global equity market, or more narrow investment markets, such as the U.S. small cap equity market. In contrast to actively managed funds, which seek to outperform their respective benchmark indexes through research and analysis, index funds are passively managed funds that seek to mirror the performance of their target indexes, minimizing performance differences over time. The fund attempts to match the performance of the S&P Midcap 400 Index by: (a) holding all, or a representative sample, of the securities that comprise that index; and/or (b) by holding securities (which may or may not be included in the index) that the subadvisor believes as a group will behave in a manner similar to the index. However, the fund has operating expenses and transaction costs, while a market index does not. Therefore, the fund, while it attempts to track its target index closely, typically will be unable to match the performance of the target index exactly. The composition of an index changes from time to time, and the subadvisor will reflect those changes in the composition of the fund's portfolio as soon as practicable.

The fund may invest in index futures for the purposes of replicating an index and depositary receipts.

# Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts and depositary receipts. Futures contracts generally are subject to counterparty risk.

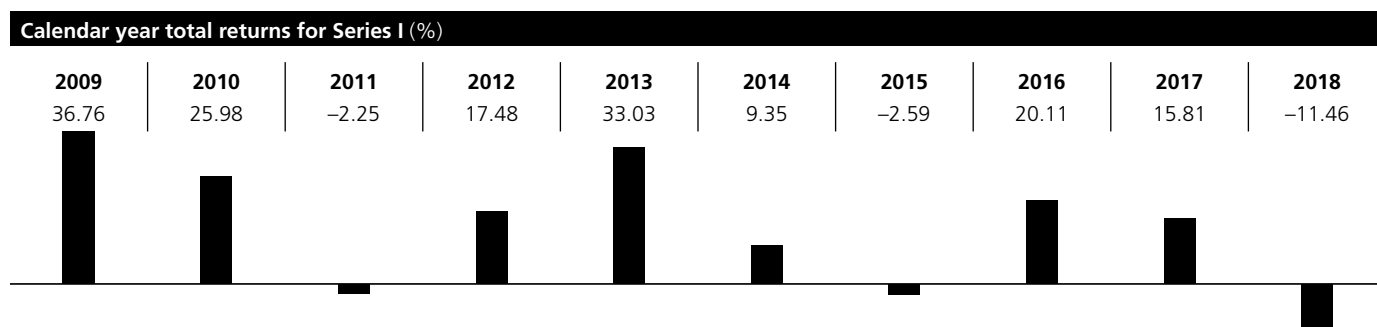
**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 19.86%

**Worst quarter:** Q3 '11, -19.98%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-11.46	5.58	13.19	05/02/00
<b>Series II</b>	-11.66	5.35	12.96	01/28/02
<b>Series NAV</b>	-11.45	5.62	13.24	04/29/05
S&P Midcap 400 Index (reflects no deduction for fees, expenses, or taxes)	-11.08	6.03	13.68	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (North America) Limited

## Portfolio management

**Brett Hryb, CFA**

Managing Director and Senior Portfolio Manager

Managed fund since 2014

**Ashikhusein Shahpurwala, CFA**

Managing Director and Senior Portfolio Manager

Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Mid Cap Stock Trust

## Investment objective

To seek long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.83	0.83	0.83
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>0.93</b>	<b>1.13</b>	<b>0.88</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.92</b>	<b>1.12</b>	<b>0.87</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	94	114	89
<b>3 years</b>	295	358	280
<b>5 years</b>	514	621	487
<b>10 years</b>	1,142	1,374	1,083

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 69% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in equity securities of medium-sized companies with significant capital appreciation potential. For the fund, "medium-sized companies" are those with market capitalizations within the collective market capitalization range of companies represented in either the Russell Midcap Index (\$575 million to \$43 billion as of February 28, 2019) or the S&P Midcap 400 Index (\$1 billion to \$12.3 billion as of February 28, 2019).

The subadvisor's investment approach is based primarily on proprietary fundamental analysis. Fundamental analysis involves the assessment of a company through such factors as its business environment, management, balance sheet, income statement, anticipated earnings, revenues and other related measures of value. In analyzing companies for investment, the subadvisor looks for, among other things, a strong balance sheet, strong earnings growth, attractive industry dynamics, strong competitive advantages (e.g., strong management teams), and attractive relative value within the context of a security's primary trading market. Securities are sold when the investment has achieved its intended purpose, or because it is no longer considered attractive. The fund may invest up to 25% of its total assets in foreign securities, including emerging market securities.

The fund's investment process may, at times, result in a higher than average portfolio turnover ratio and increased trading expenses.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Information technology risk.** Information technology companies can be significantly affected by rapid obsolescence, short product cycles, competition, and government regulation, and general economic conditions. Investments in the technology sector may be susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

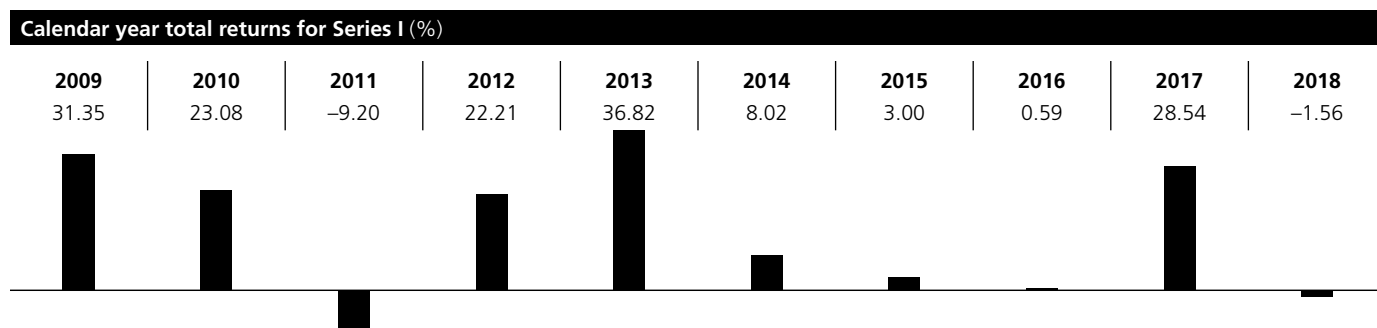
**Privately held and newly public companies risk.** Investments in the stocks of privately held companies and newly public companies involve greater risks than investments in stocks of companies that have traded publicly on an exchange for extended time periods. Investments in such companies are less liquid and may be difficult to value. There may be significantly less information available about these companies' business models, quality of management, earnings growth potential, and other criteria used to evaluate their investment prospects. The extent (if at all) to which securities of privately held companies or newly public companies may be sold without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Funds with principal investment strategies that involve investments in securities of privately held companies tend to have a greater exposure to liquidity risk than funds that do not invest in securities of privately held companies.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 20.00%

**Worst quarter:** Q3 '11, -20.70%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-1.56	7.21	13.27	05/03/99
<b>Series II</b>	-1.71	7.00	13.05	01/28/02
<b>Series NAV</b>	-1.54	7.26	13.32	02/28/05
Russell Midcap Growth Index (reflects no deduction for fees, expenses, or taxes)	-4.75	7.42	15.12	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Wellington Management Company LLP

## Portfolio management

**Mario E. Abularach, CFA**

Senior Managing Director and Equity Research Analyst

Managed fund since 2006

**Michael T. Carmen, CFA**

Senior Managing Director and Equity Portfolio Manager

Managed fund since 1999

**Stephen Mortimer**

Senior Managing Director and Equity Portfolio Manager

Managed fund since 2010

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Mid Value Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.95	0.95	0.95
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>1.05</b>	<b>1.25</b>	<b>1.00</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.04</b>	<b>1.24</b>	<b>0.99</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	106	126	101
<b>3 years</b>	333	396	317
<b>5 years</b>	578	685	551
<b>10 years</b>	1,282	1,510	1,224

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 35% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in companies with market capitalizations that are within the Russell Midcap Value Index (\$574.9 million to \$40.1 billion as of February 28, 2019). The fund invests in a diversified mix of common stocks of mid-size U.S. companies that are believed to be undervalued by various measures and offer good prospects for capital appreciation.

The subadvisor employs a value approach in selecting investments. The subadvisor's in-house research team seeks to identify companies whose stock prices do not appear to reflect their underlying values. The subadvisor generally looks for companies with one or more of the following characteristics:

- Low stock prices relative to net assets, earnings, cash flow, sales, book value, or private market value;
- Demonstrated or potentially attractive operating margins, profits and/or cash flow;
- Sound balance sheets;
- Stock ownership by management/employees; or
- Experienced and capable management.

The fund's sector exposure is broadly diversified as a result of stock selection and therefore may vary significantly from its benchmark, the Russell Midcap Value Index. The market capitalization of companies held by the fund and included in the index changes over time. The fund will not automatically sell or cease to purchase stock of a company it already owns just because the company's market capitalization grows or falls outside these ranges.

The fund may sell securities for a variety of reasons, such as to secure gains, limit losses, or redeploy assets into more promising opportunities.

In pursuing the fund's investment objective, the subadvisor has the discretion to deviate from its normal investment criteria, as described above, and purchase securities that the subadvisor believes will provide an opportunity for substantial appreciation. These situations might arise when the subadvisor believes a security could increase in value for a variety of reasons, including a change in management, an extraordinary corporate event, a new product introduction or innovation or a favorable competitive development.

The fund may invest in IPOs. While most assets will be invested in U.S. common stocks, the fund may purchase other types of securities, for example: convertible securities and warrants, foreign securities (up to 20% of total assets), certain exchange-traded funds (ETFs), and certain derivatives (investments whose value is based on indices or other securities). For purposes of the fund, ETFs are considered securities with a market capitalization equal to the weighted average market capitalization of the basket of securities comprising the ETF.

The fund holds a certain portion of its assets in money market reserves, which can consist of shares of certain internal T. Rowe Price money market funds as well as U.S. dollar and foreign currency-denominated money market securities, including repurchase agreements, in the two highest rating categories, maturing in one year or less.

The fund may invest up to 10% of its total assets in hybrid instruments. Hybrid instruments are a type of high-risk derivative that can combine the characteristics of securities, futures and options. Such securities may bear interest or pay dividends at below (or even relatively nominal) rates.

Except when engaged in temporary defensive investing, the fund normally has less than 10% of its assets in cash and cash equivalents. The fund may focus its investments in a particular sector or sectors of the economy.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.



**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

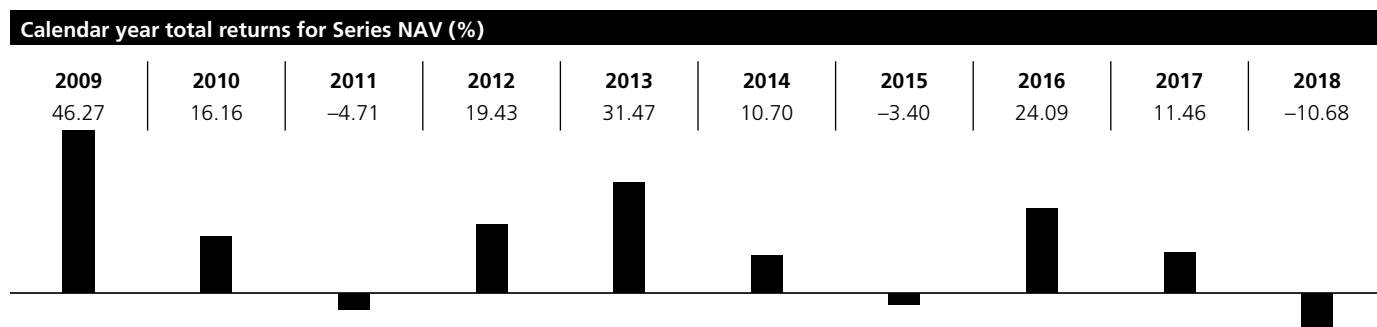
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Value investing style risk.** The fund emphasizes a value style of investing, which focuses on undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on value equity securities are less than returns on other styles of investing or the overall stock market. Value stocks also may decline in price, even though in theory they are already underpriced.

**Warrants risk.** The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 23.21%

**Worst quarter:** Q3 '11, -17.35%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-10.84	5.65	12.81	04/29/05
Series II	-10.93	5.46	12.60	04/29/05
Series NAV	-10.68	5.72	12.88	05/01/98
Russell Midcap Value Index (reflects no deduction for fees, expenses, or taxes)	-12.29	5.44	13.03	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** T. Rowe Price Associates, Inc.

## Portfolio management

**David J. Wallack**

Vice President

Managed fund since 2004

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Money Market Trust

## Investment objective

To obtain maximum current income consistent with preservation of principal and liquidity.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.38	0.38	0.38
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
<b>Total annual fund operating expenses</b>	<b>0.47</b>	<b>0.67</b>	<b>0.42</b>
Contractual expense reimbursement <sup>1</sup>	-0.14	-0.14	-0.14
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.33</b>	<b>0.53</b>	<b>0.28</b>

<sup>1</sup> The advisor contractually agrees to reduce its management fee or, if necessary, make payment to the fund in an amount equal to the amount by which expenses of the fund exceed 0.28% of average daily net assets of the fund. For purposes of this agreement, "expenses of the fund" means all fund expenses, excluding (a) taxes, (b) brokerage commissions, (c) interest expense, (d) litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, (e) class-specific expenses, (f) borrowing costs, (g) prime brokerage fees, (h) acquired fund fees and expenses paid indirectly, and (i) short dividend expense. This agreement expires on April 30, 2020, unless renewed by mutual agreement of the advisor and the fund based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	34	54	29
<b>3 years</b>	137	200	121
<b>5 years</b>	249	359	221
<b>10 years</b>	578	821	516

## Principal investment strategies

The fund operates as a "government money market fund" in accordance with Rule 2a-7 under the Investment Company Act of 1940, as amended, and is managed in the following manner:

- under normal market conditions, the fund invests at least 99.5% of its total assets in cash, U.S. government securities and/or repurchase agreements that are fully collateralized by U.S. government securities or cash;
  - U.S. government securities include both securities issued or guaranteed by the U.S. Treasury and securities issued by entities that are chartered or sponsored by Congress but are not issued or guaranteed by the U.S. Treasury;
- the fund seeks to maintain a stable net asset value ("NAV") of \$1.00 per share and its portfolio is valued using the amortized cost method as permitted by Rule 2a-7;
- the fund invests only in U.S. dollar-denominated securities;
- the fund buys securities that have remaining maturities of 397 days or less (as calculated pursuant to Rule 2a-7);
- the fund maintains a dollar-weighted average maturity of 60 days or less and a dollar-weighted average life to maturity of 120 days or less;
- the fund must meet certain other criteria, including those relating to maturity, liquidity and credit quality; and
- as a government money market fund, the fund is not subject to liquidity fees or redemption gates, although the fund's Board of Trustees may elect to impose such fees or gates in the future.

The fund generally expects to declare and pay dividends from net investment income on a daily basis on each share class as long as the income attributable to a class exceeds the expenses attributable to that class on each day. If class expenses exceed class income on any day, the fund will not pay a dividend on the class on that day and will resume paying dividends only when, on a future date, the accumulated net investment income of the

class is positive. The fund has adopted this policy because, in the current investment environment of low interest rates, it may find that on any given day or on a number of consecutive days, its investment returns may be less than the expenses attributable to a class. For a more complete description of this policy, which can result in the fund not paying dividends on one or more classes for one or more periods that may be as short as a day or quite lengthy, see “General Information — Dividends” below. For a description of the allocation of expenses among fund share classes, see “Multiclass Pricing; Rule 12b-1 Plans” in the prospectus.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund’s sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Liquidity risk.** The extent (if at all) to which a security may be sold without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Redemption risk.** The fund may experience periods of heavy redemptions that could cause it to liquidate its assets at inopportune times or at a loss or depressed value, particularly during periods of declining or illiquid markets, and that could affect the fund’s ability to maintain a \$1.00 share price. Redemption risk is greater to the extent that the fund has investors with large shareholdings, short investment horizons or unpredictable cash flow needs. The redemption by one or more large shareholders of their holdings in the fund could cause the remaining shareholders in the fund to lose money. In addition, the fund may suspend redemptions and liquidate the fund when permitted by applicable regulations.

**Tax diversification risk.** As described above, the fund operates as a “government money market fund” in accordance with Rule 2a-7 under the Investment Company Act of 1940, as amended, (a “Government Fund”). Additionally, the fund intends to meet the diversification requirements that are applicable to insurance company separate accounts under Subchapter L of the Internal Revenue Code of 1986, as amended (the “Diversification Requirements”). To satisfy the Diversification Requirements applicable to variable annuity contracts, the value of the assets of the fund invested in securities issued by the United States government must remain below specified thresholds. For these purposes, each United States government agency or instrumentality is treated as a separate issuer.

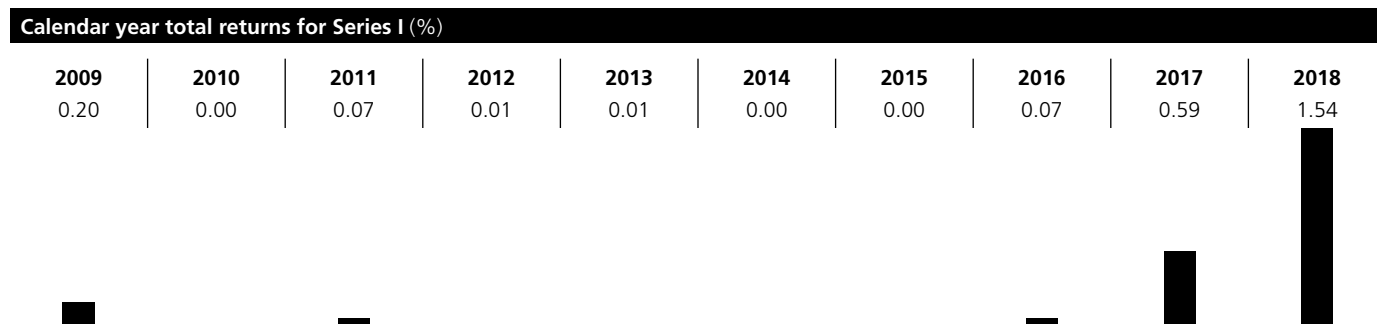
Operating as a Government Fund may make it difficult for the fund to meet the Diversification Requirements. This difficulty may be exacerbated by the potential increase in demand for the types of securities in which each fund invests as a result of changes to the rules that govern SEC registered money market funds. A failure to satisfy the Diversification Requirements could have significant adverse tax consequences for variable annuity contract owners whose contract values are determined by investment in the fund.

**U.S. Government agency obligations risk.** U.S. government-sponsored entities such as Federal National Mortgage Association (Fannie Mae), Federal Home Loan Mortgage Corporation (Freddie Mac) and the Federal Home Loan Banks, although chartered or sponsored by Congress, are not funded by congressional appropriations and the debt securities that they issue are neither guaranteed nor issued by the U.S. government. Such debt securities are subject to the risk of default on the payment of interest and/or principal, similar to the debt securities of private issuers. The maximum potential liability of the issuers of some U.S. government obligations may greatly exceed their current resources, including any legal right to support from the U.S. government. Although the U.S. government has provided financial support to Fannie Mae and Freddie Mac in the past, there can be no assurance that it will support these or other government-sponsored entities in the future.

**U.S. Treasury obligations risk.** The market value of direct obligations of the U.S. Treasury may vary due to changes in interest rates. In addition, changes to the financial condition or credit rating of the U.S. government may cause the value of the fund’s investments in obligations issued by the U.S. Treasury to decline.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year. Since Series NAV commenced operations on May 2, 2016, performance shown for Series NAV prior to that date is the performance of the fund's oldest share class, Series I. This pre-inception performance would be higher if adjusted to reflect that Series NAV does not have a Rule 12b-1 fee. The performance information below does not reflect fees and expenses of any variable insurance contract that may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q4 '18, 0.48%

**Worst quarter:** Q1 '16, 0.00%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	1.54	0.44	0.25	06/18/85
Series II	1.34	0.34	0.19	01/28/02
Series NAV	1.59	0.47	0.26	05/02/16

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Real Estate Securities Trust

## Investment objective

To seek to achieve a combination of long-term capital appreciation and current income.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.70	0.70	0.70
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.06	0.06	0.06
<b>Total annual fund operating expenses</b>	<b>0.81</b>	<b>1.01</b>	<b>0.76</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.80</b>	<b>1.00</b>	<b>0.75</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	82	102	77
<b>3 years</b>	258	321	242
<b>5 years</b>	449	557	421
<b>10 years</b>	1,001	1,235	941

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 164% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in equity securities of real estate investment trusts ("REITs") and real estate companies. Equity securities include common stock, preferred stock and securities convertible into common stock.

A company is considered to be a real estate company if, in the opinion of the subadvisor, at least 50% of its revenues or 50% of the market value of its assets at the time its securities are purchased by the fund are attributed to the ownership, construction, management or sale of real estate.

The subadvisor looks for real estate securities it believes will provide superior returns to the fund, and attempts to focus on companies with the potential for stock price appreciation and a record of paying dividends.

To find these issuers, the subadvisor tracks economic conditions and real estate market performance in major metropolitan areas and analyzes performance of various property types within those regions. To perform this analysis, it uses information from a nationwide network of real estate professionals to evaluate the holdings of real estate companies and REITs in which the fund may invest. Its analysis also considers the companies' management structure, financial structure and business strategy. The goal of these analyses is to determine which of the issuers the subadvisor believes will be the most profitable to the fund. The subadvisor also considers the effect of the real estate securities markets in general when making investment decisions. The subadvisor does not attempt to time the market.

A REIT invests primarily in income-producing real estate or makes loans to persons involved in the real estate industry.

Some REITs, called equity REITs, buy real estate and pay investors income from the rents received from the real estate owned by the REIT and from any profits on the sale of its properties. Other REITs, called mortgage REITs, lend money to building developers and other real estate companies and pay investors income from the interest paid on those loans. There are also hybrid REITs which engage in both owning real estate and making loans.

If a REIT meets certain requirements, it is not taxed on the income it distributes to its investors.

The fund may realize some short-term gains or losses if the subadvisor chooses to sell a security because it believes that one or more of the following is true:

- A security is not fulfilling its investment purpose;
- A security has reached its optimum valuation; or
- A particular company or general economic conditions have changed.

Based on its recent practices, the subadvisor expects that the fund's assets will be invested primarily in equity REITs. In changing market conditions, the fund may invest in other types of REITs.

When the subadvisor believes that it is prudent, the fund may invest a portion of its assets in other types of securities. These securities may include convertible securities, short-term securities, bonds, notes, securities of companies not principally engaged in the real estate industry, non-leveraged stock index futures contracts and other similar securities. (Stock index futures contracts, can help the fund's cash assets remain liquid while performing more like stocks.)

The fund may invest up to 10% of its total assets in securities of foreign real estate companies.

The fund is non-diversified, which means that it may invest in a smaller number of issuers than a diversified fund and may invest more of its assets in the securities of a single issuer. The fund concentrates its investments in securities of issuers in the real estate industry.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Concentration risk.** Because the fund may focus on one or more industries or sectors of the economy, its performance depends in large part on the performance of those sectors or industries. As a result, the value of an investment may fluctuate more widely than it would in a fund that is diversified across industries and sectors.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts. Futures contracts generally are subject to counterparty risk.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to

sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Non-diversified risk.** Adverse events affecting a particular issuer or group of issuers may magnify losses for non-diversified funds, which may invest a large portion of assets in any one issuer or a small number of issuers.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

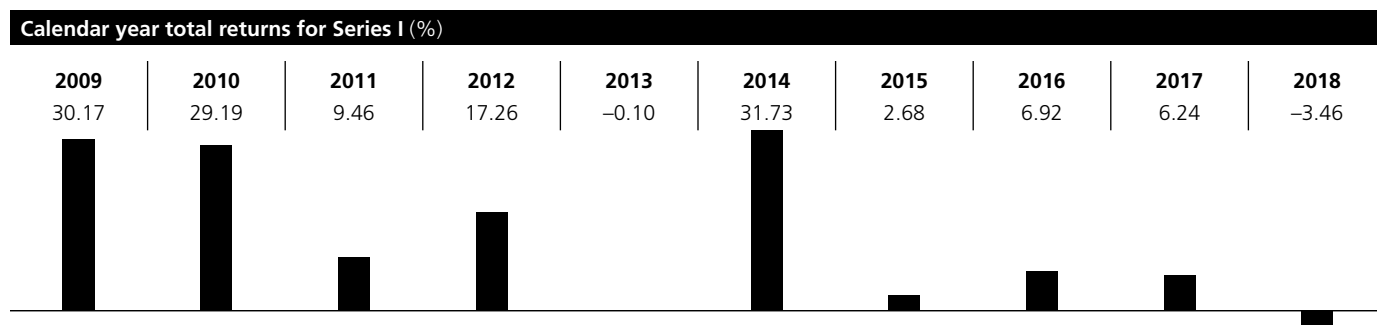
**Real estate investment trust risk.** REITs, pooled investment vehicles that typically invest in real estate directly or in loans collateralized by real estate, carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Real estate securities risk.** Securities of companies in the real estate industry carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 32.43%

**Worst quarter:** Q1 '09, -31.27%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-3.46	8.20	12.33	04/30/87
Series II	-3.64	8.00	12.11	01/28/02
Series NAV	-3.43	8.25	12.39	02/28/05
MSCI U.S. REIT Index (reflects no deduction for fees, expenses, or taxes)	-4.57	7.80	12.71	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** DWS Investment Management Americas, Inc.

**Sub-Subadvisor** RREEF America L.L.C.

## Portfolio management

**David W. Zonavetch, CPA**

Managing Director; Portfolio Manager  
Managed fund since 2013

**John W. Vojticek**

Managing Director; Portfolio Manager  
Managed fund since 2004

**Robert Thomas**

Managing Director; Portfolio Manager  
Managed fund since 2017

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Science & Technology Trust

## Investment objective

To seek long-term growth of capital. Current income is incidental to the fund's objective.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	1.02	1.02	1.02
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
Acquired fund fees and expenses <sup>1</sup>	0.03	0.03	0.03
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>1.15</b>	<b>1.35</b>	<b>1.10</b>
Contractual expense reimbursement <sup>3</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.14</b>	<b>1.34</b>	<b>1.09</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	116	136	111
<b>3 years</b>	364	427	349
<b>5 years</b>	632	738	605
<b>10 years</b>	1,397	1,623	1,339

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 108% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in the common stocks of companies expected to benefit from the development, and/or use of science and/or technology. For purposes of satisfying this requirement, common stock may include equity-linked notes and derivatives relating to common stocks, such as options on equity-linked notes.

The fund employs a multi-manager approach with two subadvisors, each of which employs its own investment approach and independently manages its portion of the fund. The fund will be rebalanced periodically so that the subadvisors manage the following portions of the fund:

50%\* T. Rowe Price Associates, Inc. ("T. Rowe Price")

50%\* Allianz Global Investors U.S. LLC ("AllianzGI US")

*\*Percentages are approximate. Since the fund is only rebalanced periodically, the actual portion of the fund managed by each subadvisor will vary.*

This allocation methodology may change in the future.

Some industries likely to be represented in the fund include:

- information technology including hardware, software, semiconductors and technology equipment



- telecommunications equipment and services
- media including advertising, broadcasting, cable and satellite, movies, entertainment, publishing and information services
- environmental services
- internet commerce and advertising
- life sciences and health care, including pharmaceuticals, health care equipment and services, and biotechnology
- chemicals and synthetic materials
- defense and aerospace
- alternative energy

While most of the fund's assets are invested in U.S. common stocks, the fund may also purchase other types of securities, including U.S. dollar- and foreign currency-denominated foreign securities, convertible stocks and bonds, and warrants, and use futures and options, in keeping with the fund's investment objectives.

Stock selection for the fund generally reflects a growth approach based on an assessment of a company's fundamental prospects for above-average earnings, rather than on a company's size. As a result, fund holdings can range from securities of small companies developing new technologies to securities of blue chip firms with established track records. The fund may also invest in companies that are expected to benefit from technological advances even if they are not directly involved in research and development. The fund may invest in suitable companies through IPOs.

The fund holds a certain portion of its assets in money market reserves, which can consist of shares of certain internal T. Rowe Price money market funds as well as U.S. dollar and foreign currency-denominated money market securities, including repurchase agreements, in the two highest rating categories, maturing in one year or less.

The fund may invest up to 10% of its total assets in hybrid instruments. Hybrid instruments are a type of high-risk derivative which can combine the characteristics of securities, futures and options. Such securities may bear interest or pay dividends at below market (or even relatively nominal) rates.

In managing its portion of the fund, AllianzGI US may enter into short sales including short sales against the box.

In pursuing the fund's investment objective, each subadvisor has the discretion to purchase some securities that do not meet its normal investment criteria, as described above, when they perceive an unusual opportunity for gain. These special situations might arise when a subadvisor believes a security could increase in value for a variety of reasons including a change in management, an extraordinary corporate event, a new product introduction or a favorable competitive development.

The fund may sell securities for a variety of reasons, such as to secure gains, limit losses, or redeploy assets into more promising opportunities.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The value of a company's equity securities is subject to changes in the company's financial condition, and overall market and economic conditions. Investments in the stocks of privately held companies and newly public companies involve greater risks than investments in stocks of companies that have traded publicly on an exchange for extended time periods. Investments in such companies are less liquid and difficult to value, and there is significantly less information available about these companies' business models, quality of management, earnings growth potential, and other criteria used to evaluate their investment prospects.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Hong Kong Stock Connect Program (Stock Connect) risk.** China A-Shares listed and traded on certain Chinese stock exchanges through Stock Connect, a mutual market access program designed to, among other things, enable foreign investment in the People's Republic of China (PRC) via brokers in Hong Kong, are subject to a number of restrictions imposed by Chinese securities regulations and local exchange listing rules. Because Stock Connect was established in November 2014, developments are likely, which may restrict or otherwise affect the fund's investments or returns. Furthermore, any changes in laws, regulations and policies of the China A-Shares market or rules in relation to Stock Connect may affect China A-Share prices. These risks are heightened by the underdeveloped state of the PRC's investment and banking systems in general.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts, equity-linked notes (equity-linked notes generally reflect the risks associated with their underlying securities, depend on the credit of the notes' issuer, may be privately placed, and may have a limited secondary market), and options. Futures contracts and options generally are subject to counterparty risk.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Information technology risk.** Information technology companies can be significantly affected by rapid obsolescence, short product cycles, competition, and government regulation, and general economic conditions. Investments in the technology sector may be susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

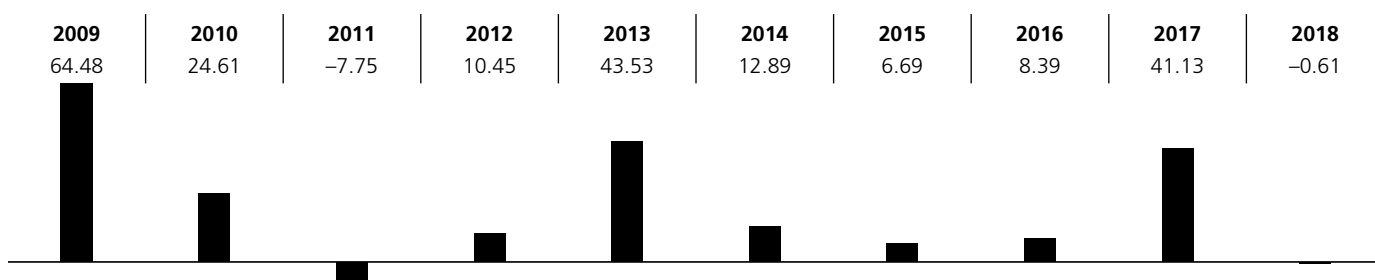
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Warrants risk.** The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Lipper Science and Technology Index shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

### Calendar year total returns for Series I (%)



**Best quarter:** Q2 '09, 23.51%

**Worst quarter:** Q4 '18, -16.88%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-0.61	12.86	18.56	01/01/97
Series II	-0.78	12.64	18.34	01/28/02
Series NAV	-0.57	12.92	18.62	04/29/05
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	
Lipper Science and Technology Index (reflects no deduction for fees, expenses, or taxes)	-2.82	11.47	16.80	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Allianz Global Investors U.S. LLC

**Subadvisor** T. Rowe Price Associates, Inc.

## Portfolio management

### Walter C. Price, Jr., CFA

Managing Director, Senior Portfolio Manager;  
Allianz Global Investors U.S. LLC  
Managed fund since 2006

### Huachen Chen, CFA

Managing Director, Senior Portfolio Manager;  
Allianz Global Investors U.S. LLC  
Managed fund since 2006

### Ken Allen

Vice President; T. Rowe Price Associates, Inc.  
Managed fund since 2009

### Michael A. Seidenberg

Director, Portfolio Manager/Analyst;  
Allianz Global Investors U.S. LLC  
Managed fund since 2019

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Select Bond Trust

## Investment objective

To seek income and capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.56	0.56	0.56
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.04	0.04	0.04
<b>Total annual fund operating expenses</b>	<b>0.65</b>	<b>0.85</b>	<b>0.60</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.64</b>	<b>0.84</b>	<b>0.59</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	65	86	60
<b>3 years</b>	207	270	191
<b>5 years</b>	361	470	334
<b>10 years</b>	809	1,048	749

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 83% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in a diversified mix of debt securities and instruments. The fund seeks to invest its assets in debt securities and instruments with an average duration of between 4 to 6 years, however, there is no limit on the fund's average maturity. The fund does not invest in bonds rated below investment-grade at time of purchase.

Eligible investments include, but are not limited to:

- U.S. Treasury and agency securities as well as notes backed by the Federal Deposit Insurance Corporation,
- Mortgage-backed securities, including mortgage pass-through securities, commercial mortgage-backed securities ("CMBS") and collateralized mortgage obligations ("CMOs"),
- U.S. and foreign corporate bonds, and
- Foreign government and agency securities.

The subadvisor uses proprietary research and economic and industry analysis to identify specific bonds, bond sectors and industries that are attractively priced. Due to this process, the fund may have a higher than average portfolio turnover ratio which may affect performance results.

The foreign securities in which the fund invests may be denominated in U.S. dollars or foreign currency.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under “Additional Information About the Funds’ Principal Risks — Hedging, derivatives and other strategic transactions risk” including, but not limited to, U.S. Treasury futures and options, index derivatives, credit default swaps and forwards.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: credit default swaps; foreign currency forward contracts; futures contracts; and options. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

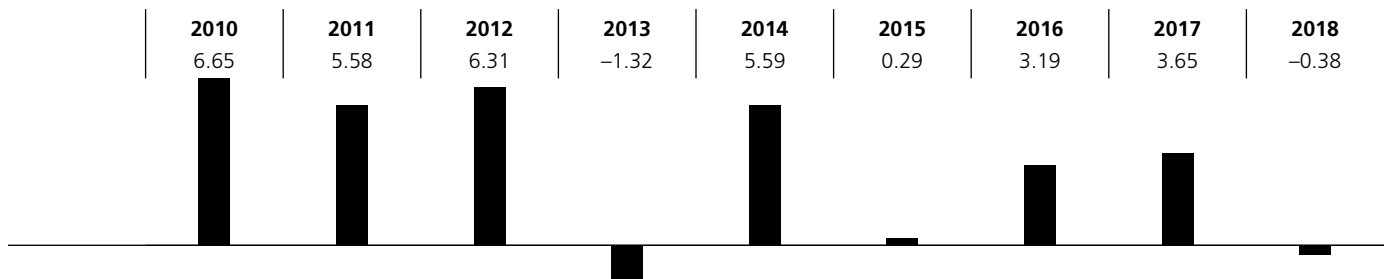
**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. Performance shown for periods prior to the inception date of a class is the performance of the fund’s oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

#### Calendar year total returns for Series NAV (%)



**Best quarter:** Q2 '10, 2.97%

**Worst quarter:** Q4 '16, -2.75%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
Series I	-0.43	2.39	3.45	10/31/11
Series II	-0.63	2.20	3.29	10/31/11
Series NAV	-0.38	2.44	3.44	07/29/09
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.41	07/29/09

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2009

**Howard C. Greene**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2009

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Short Term Government Income Trust

## Investment objective

To seek a high level of current income consistent with preservation of capital. Maintaining a stable share price is a secondary goal.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.56	0.56	0.56
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.07	0.07	0.07
<b>Total annual fund operating expenses</b>	<b>0.68</b>	<b>0.88</b>	<b>0.63</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.67</b>	<b>0.87</b>	<b>0.62</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	68	89	63
<b>3 years</b>	217	280	201
<b>5 years</b>	378	487	350
<b>10 years</b>	846	1,083	785

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 28% of the average value of its portfolio.

## Principal investment strategies

The fund seeks to achieve its investment objective by investing under normal circumstances at least 80% of its net assets in obligations issued or guaranteed by the U.S. government and its agencies, authorities or instrumentalities (U.S. government securities). Under normal circumstances, the fund's effective duration is no more than three years.

U.S. government securities may be supported by:

- The full faith and credit of the United States government, such as Treasury bills, notes and bonds, and Government National Mortgage Association Certificates.
- The right of the issuer to borrow from the U.S. Treasury, such as obligations of the Federal Home Loan Mortgage Corporation.
- The credit of the instrumentality, such as obligations of the Federal National Mortgage Association.

The fund may invest in higher-risk securities, including U.S. dollar-denominated foreign government securities and asset-backed securities. It may also invest up to 10% of its net assets in foreign government high-yield securities (junk bonds) rated as low as B and their unrated equivalents.

In managing the portfolio of the fund, the subadvisor considers interest rate trends to determine which types of bonds to emphasize at a given time. The fund typically favors mortgage-related securities when it anticipates that interest rates will be relatively stable, and favors U.S. Treasuries at other times. Because high yield bonds often respond to market movements differently from U.S. government bonds, the fund may use them to manage volatility.

The fund may invest in mortgage-related securities and Treasury futures to protect against adverse changes and manage risks.

The fund may invest in other investment companies, including exchange traded funds ("ETFs"), and engage in short sales.

Under normal circumstances, the fund's effective duration is no more than three years which means that the fund may purchase securities with a duration of greater than three years, as long as the fund's average duration does not exceed three years.

The fund may trade securities actively which could increase transaction costs (thus lowering performance).

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

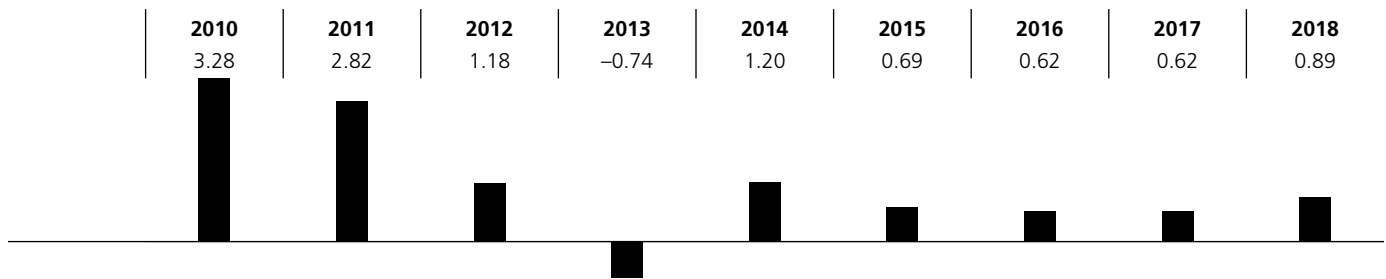
**Short sales risk.** In a short sale, a fund pays interest on the borrowed security. The fund will lose money if the security price increases between the short sale and the replacement date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



#### Calendar year total returns for Series NAV (%)



**Best quarter:** Q2 '10, 1.87%

**Worst quarter:** Q2 '13, -1.24%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
Series I	0.84	0.75	1.20	05/03/10
Series II	0.64	0.55	1.03	05/03/10
Series NAV	0.89	0.80	1.25	01/05/09
Bloomberg Barclays U.S. Government 1-5 Year Index (reflects no deduction for fees, expenses, or taxes)	1.53	1.07	1.43	01/05/09

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Howard C. Greene**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2008

**Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2008

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Small Cap Index Trust

## Investment objective

Seeks to approximate the aggregate total return of a small cap U.S. domestic equity market index.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.48	0.48	0.48
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
<b>Total annual fund operating expenses</b>	<b>0.58</b>	<b>0.78</b>	<b>0.53</b>
Contractual expense reimbursement <sup>1</sup>	-0.06	-0.06	-0.06
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.52</b>	<b>0.72</b>	<b>0.47</b>

<sup>1</sup> The advisor contractually agrees to reduce its management fee by an annual rate of 0.05% of the fund's average daily net assets. This agreement expires on April 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	53	74	48
<b>3 years</b>	180	243	164
<b>5 years</b>	318	427	290
<b>10 years</b>	720	960	659

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 24% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) at the time of investment in: (a) the common stocks that are included in the Russell 2000 Index; and (b) securities (which may or may not be included in the Russell 2000 Index) that the subadvisor believes as a group will behave in a manner similar to the index. As of February 28, 2019, the market capitalizations of companies included in the Russell 2000 Index ranged from \$10 million to \$8.8 billion.

An index is an unmanaged group of securities whose overall performance is used as an investment benchmark. Indexes may track broad investment markets, such as the global equity market, or more narrow investment markets, such as the U.S. small cap equity market. In contrast to actively managed funds, which seek to outperform their respective benchmark indexes through research and analysis, index funds are passively managed funds that seek to mirror the performance of their target indexes, minimizing performance differences over time. The fund attempts to match the performance of the Russell 2000 Index by: (a) holding all, or a representative sample, of the securities that comprise that index; and/or (b) by holding securities (which may or may not be included in the index) that the subadvisor believes as a group will behave in a manner similar to the index. However, the fund has operating expenses and transaction costs, while a market index does not. Therefore, the fund, while it attempts to track its target index closely, typically will be unable to match the performance of the target index exactly. The composition of an index changes from time to time, and the subadvisor will reflect those changes in the composition of the fund's portfolio as soon as practicable.

# Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

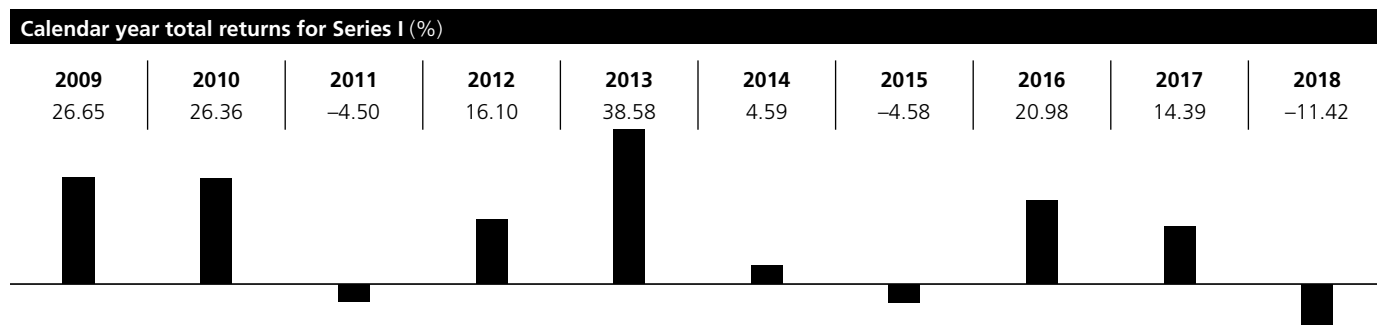
**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 20.90%

**Worst quarter:** Q3 '11, -22.00%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-11.42	4.11	11.64	05/02/00
Series II	-11.55	3.92	11.42	01/28/02
Series NAV	-11.30	4.18	11.71	04/29/05
Russell 2000 Index (reflects no deduction for fees, expenses, or taxes)	-11.01	4.41	11.97	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (North America) Limited

## Portfolio management

### **Brett Hryb, CFA**

Managing Director and Senior Portfolio Manager

Managed fund since 2014

### **Ashikhusein Shahpurwala, CFA**

Managing Director and Senior Portfolio Manager

Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Small Cap Opportunities Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.98	0.98	0.98
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses <sup>1</sup>	0.10	0.10	0.10
<b>Total annual fund operating expenses</b>	<b>1.13</b>	<b>1.33</b>	<b>1.08</b>
Contractual expense reimbursement <sup>2</sup>	-0.18	-0.18	-0.18
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.95</b>	<b>1.15</b>	<b>0.90</b>

<sup>1</sup> "Other expenses" have been restated from fiscal year amounts to reflect current fees and expenses.

<sup>2</sup> The advisor contractually agrees to waive its management fee so that the amount retained by the advisor after payment of subadvisory fees does not exceed 0.45% of the fund's average daily net assets. The current expense limitation agreement expires on April 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	97	117	92
<b>3 years</b>	341	404	326
<b>5 years</b>	605	712	578
<b>10 years</b>	1,359	1,586	1,301

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 23% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in equity securities of small-capitalization companies. The fund has two subadvisors: Dimensional Fund Advisors LP ("Dimensional") and GW&K Investment Management, LLC ("GW&K"). The Advisor to the fund, John Hancock Investment Management Services, LLC, may allocate fund assets between Dimensional and GW&K without restriction. Each subadvisor's investment strategy is described below.

### Dimensional

Dimensional will manage its portion of the fund's assets (the "Dimensional Subadvised Assets") as follows:

Dimensional generally will invest the Dimensional Subadvised Assets, using a market capitalization weighted approach, in a broad and diverse group of the readily marketable securities of U.S. small and mid cap companies traded on a U.S. national securities exchange or on the over-the counter market that Dimensional determines to be value stocks at the time of purchase. A company's market capitalization is the number of its shares outstanding times its price per share. See "Market Capitalization Weighted Approach" below. Securities are considered value stocks primarily because a company's shares have a low price in relation to their book value. In assessing value, Dimensional may consider additional factors, such as price to cash flow or price-to-earnings ratios, as well as economic conditions and developments in the issuer's industry. The criteria Dimensional uses for assessing value are subject to change from time to time. As of the date of this Prospectus, Dimensional generally considers for investment companies whose market

capitalizations are generally smaller than the 500th largest U.S. company. Dimensional does not intend to purchase or sell securities based on the prospects for the economy, the securities markets or the individual issuers whose shares are eligible for purchase.

Dimensional may sell portfolio securities when the issuer's market capitalization increases to a level that exceeds that of the issuer with the largest market capitalization that is then eligible for investment by the Dimensional Subadvised Assets. In addition, Dimensional may sell portfolio securities when their book-to-market ratios fall below those of the security with the lowest such ratio that is then eligible for purchase by the Dimensional Subadvised Assets. However, Dimensional may retain securities of issuers with relatively smaller market capitalizations for longer periods, despite a decrease in the issuers' book-to-market ratios.

The total market capitalization ranges, and the value criteria used by Dimensional for the Dimensional Subadvised Assets, as described above, generally apply at the time of purchase. Dimensional will not be required to dispose of a security if the security's issuer is no longer within the total market capitalization range or does not meet current value criteria. Similarly, Dimensional is not required to sell a security even if the decline in the market capitalization reflects a serious financial difficulty or potential or actual insolvency of the company. Securities that do meet the market capitalization and/or value criteria nevertheless may be sold at any time when, in Dimensional's judgment, circumstances warrant their sale. Dimensional may use derivatives such as futures contracts and options on futures contracts, to adjust market exposure based on actual or expected cash inflows to or outflows from the fund. The fund does not intend to use derivatives for purposes of speculation or leveraging investment returns.

Dimensional may enter into futures contracts and options on futures contracts for U.S. equity securities and indices. Dimensional may also invest in ETFs and similarly structured pooled investments for the purpose of gaining exposure to the U.S. equity markets while maintaining liquidity.

### **Market Capitalization Weighted Approach**

The strategy used by Dimensional in managing the Dimensional Subadvised Assets involves market capitalization weighting in determining individual security weights. Market capitalization weighting means each security is generally purchased based on the issuer's relative market capitalization.

Market capitalization weighting may be adjusted by Dimensional for a variety of reasons. Dimensional may adjust the representation in the Dimensional Subadvised Assets of an eligible company, or exclude a company, after considering such factors as free float, momentum, trading strategies, liquidity, value, profitability, and other factors determined to be appropriate by Dimensional given market conditions. In assessing profitability, Dimensional may consider different ratios, such as that of earnings or profits from operations relative to book value or assets. The criteria Dimensional uses for assessing profitability are subject to change from time to time.

Dimensional may deviate from market capitalization weighting to limit or fix the exposure of the Dimensional Subadvised Assets to a particular issuer to a maximum proportion of the assets of the Dimensional Subadvised Assets. Dimensional may exclude the stock of a company that meets applicable market capitalization criteria if Dimensional determines that the purchase of such security is inappropriate in light of other conditions. These adjustments will result in a deviation from traditional market capitalization weighting.

### **GW&K**

GW&K will manage its portion of the fund's assets as follows:

GW&K utilizes fundamental research and bottom-up stock selection to identify undervalued small cap companies with sustainable earnings growth, and whose management is focused on enhancing value for shareholders. GW&K seeks to hold securities for the long term.

GW&K focuses on quality small-cap companies with sound management and long-term sustainable growth, regardless of style. In selecting companies, GW&K looks for firms with the following key attributes:

- Experienced, tenured, high-quality management;
- Business models that deliver consistent long-term growth;
- Leading companies in attractive and defensible niche markets;
- Strong financial characteristics; and
- Appropriate valuation.

Various factors may lead GW&K to consider selling a particular security, such as a significant change in the relevant company's senior management or its products, deterioration in its fundamental characteristics, if the company has corporate governance issues, or if GW&K believes that the security has become overvalued.

## **Principal risks**

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The counterparty to an over-the-counter derivatives contract or a borrower of fund securities may not make timely payments or otherwise honor its obligations.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivatives transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

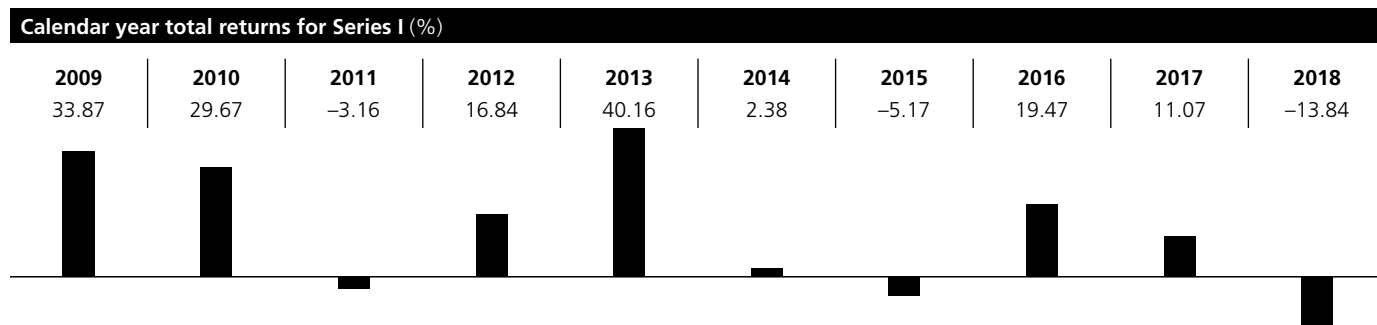
**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Quantitative modeling risk.** Quantitative models may not accurately predict future market movements or characteristics, which may negatively impact performance. Models also may perform differently than expected due to implementation problems, technological malfunction, or programming or data inaccuracies, among other possible issues.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The Russell 2000 Value Index shows how the fund's performance compares against the returns of similar investments. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 26.43%

**Worst quarter:** Q3 '11, -23.39%

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
<b>Series I</b>	-13.84	2.11	11.82	05/05/03
<b>Series II</b>	-14.02	1.90	11.60	05/05/03
<b>Series NAV</b>	-13.81	2.17	11.88	02/28/05
Russell 2000 Index (reflects no deduction for fees, expenses, or taxes)	-11.01	4.41	11.97	
Russell 2000 Value Index (reflects no deduction for fees, expenses, or taxes)	-12.86	3.61	10.40	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Dimensional Fund Advisors LP

**Subadvisor** GW&K Investment Management, LLC

## Portfolio management

### **Jed S. Fogdall**

Head of Global Portfolio Management, Senior Portfolio Manager and Vice President

Dimensional Fund Advisors LP

Managed fund since 2012

### **Joseph C. Craigen, CFA**

Partner and Equity Portfolio Manager

GW&K Investment Management, LLC

Managed fund since 2017

### **Joel Schneider**

Senior Portfolio Manager and Vice President

Dimensional Fund Advisors LP

Managed fund since 2015

### **Daniel L. Miller, CFA**

Partner and Director of Equities

GW&K Investment Management, LLC

Managed fund since 2017

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.



# Small Cap Stock Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	1.00	1.00	1.00
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.06	0.06	0.06
<b>Total annual fund operating expenses</b>	<b>1.11</b>	<b>1.31</b>	<b>1.06</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.10</b>	<b>1.30</b>	<b>1.05</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	112	132	107
<b>3 years</b>	352	414	336
<b>5 years</b>	611	717	584
<b>10 years</b>	1,351	1,578	1,293

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 88% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in stocks of small cap companies. For the purposes of the fund, "small cap companies" are those with market capitalizations, at the time of investment, not exceeding the maximum market capitalization of any company represented in either the Russell 2000 Index (approximately \$8.6 billion as of February 28, 2019) or the S&P Small Cap 600 Index (approximately \$4.8 billion as of February 28, 2019).

The fund invests in small-cap companies that are believed to offer above-average potential for growth in revenues and earnings. Market capitalizations of companies in the indices change over time; however, the fund will not sell a security just because a company has grown to a market capitalization outside the maximum range of the indices.

The subadvisor selects stocks using a combination of quantitative screens and bottom-up, fundamental security research. Quantitative screening seeks to narrow the list of small capitalization companies and to identify a group of companies with strong revenue growth and accelerating earnings. Fundamental equity research seeks to identify individual companies from that group with a higher potential for earnings growth and capital appreciation.

The subadvisor looks for companies based on a combination of criteria including one or more of the following:

- Improving market shares and positive financial trends;
- Superior management with significant equity ownership; and
- Attractive valuations relative to earnings growth outlook.

The fund is likely to experience periods of higher turnover in portfolio securities because the subadvisor frequently adjusts the selection of companies and/or their position size based on these criteria. The fund's sector exposures are broadly diversified, but are primarily a result of stock selection and therefore may vary significantly from its benchmark. The fund may invest up to 25% of its total assets in foreign securities, including emerging market securities. The fund may invest significantly in the information technology sector.

Except as otherwise stated under "Additional Information About the Funds — Temporary Defensive Investing," the fund normally has 10% or less (usually lower) of its total assets in cash and cash equivalents.

The fund may invest in Initial Public Offerings (IPOs). The fund may also purchase each of the following types of securities:

U.S. dollar-denominated foreign securities and certain exchange-traded funds (ETFs).

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Growth company securities may fluctuate more in price than other securities because of the greater emphasis on earnings expectations.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Healthcare sector risk.** Health sciences companies may be significantly affected by product obsolescence, thin capitalization, limited product lines and markets, civil liability claims, and legislative or regulatory activities, among other factors.

**High portfolio turnover risk.** Trading securities actively and frequently can increase transaction costs (thus lowering performance) and taxable distributions.

**Information technology risk.** Information technology companies can be significantly affected by rapid obsolescence, short product cycles, competition, and government regulation, and general economic conditions. Investments in the technology sector may be susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

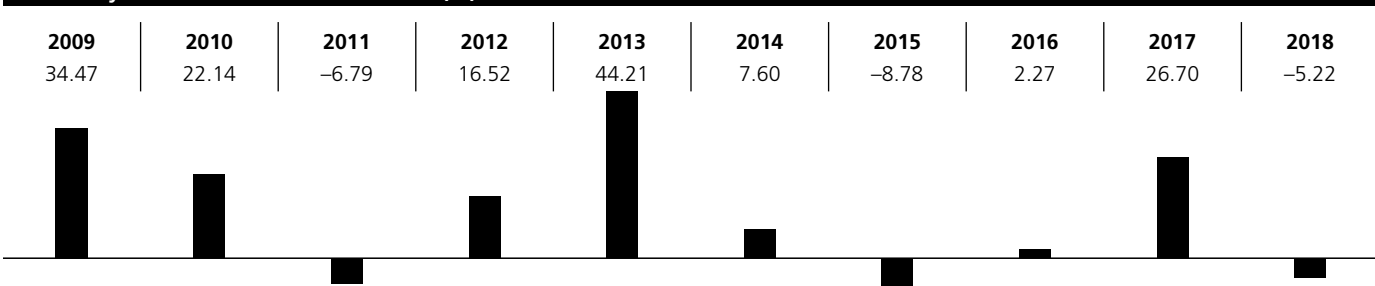
**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

### Calendar year total returns for Series NAV (%)



**Best quarter:** Q2 '09, 19.10%

**Worst quarter:** Q3 '11, -22.18%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-5.19	3.76	11.94	05/02/05
Series II	-5.44	3.55	11.72	05/02/05
Series NAV	-5.22	3.81	11.98	05/01/96
Russell 2000 Growth Index (reflects no deduction for fees, expenses, or taxes)	-9.31	5.13	13.52	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Wellington Management Company LLP

## Portfolio management

**Steven C. Angeli, CFA**

Senior Managing Director and  
Equity Portfolio Manager  
Managed fund since 2003

**Mario E. Abularach, CFA**

Senior Managing Director and  
Equity Research Analyst  
Managed fund since 2006

**Stephen Mortimer**

Senior Managing Director and  
Equity Portfolio Manager  
Managed fund since 2006

**John V. Schneider, CFA**

Vice President and Equity Research  
Analyst  
Managed fund since 2018

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Small Cap Value Trust

## Investment objective

To seek long-term capital appreciation.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee <sup>1</sup>	0.98	0.98	0.98
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
Acquired fund fees and expenses <sup>2</sup>	0.10	0.10	0.10
<b>Total annual fund operating expenses<sup>3</sup></b>	<b>1.18</b>	<b>1.38</b>	<b>1.13</b>
Contractual expense reimbursement <sup>4</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.17</b>	<b>1.37</b>	<b>1.12</b>

<sup>1</sup> "Management fee" has been restated to reflect the contractual management fee schedule effective July 1, 2018.

<sup>2</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>3</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>4</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	119	139	114
<b>3 years</b>	374	436	358
<b>5 years</b>	648	754	621
<b>10 years</b>	1,431	1,657	1,374

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 13% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in small-cap companies that are believed to be undervalued by various measures and offer good prospects for capital appreciation. For the purposes of the fund, "small cap companies" are those with market capitalizations, at the time of investment, not exceeding the maximum market capitalization of any company represented in either the Russell 2000 Index (approximately \$8.6 billion as of February 28, 2019) or the S&P SmallCap 600 Index (approximately \$4.8 billion as of February 28, 2019).

The fund invests primarily in a diversified mix of common stocks of U.S. small-cap companies. The subadvisor employs a value-oriented investment approach in selecting stocks, using proprietary fundamental research to identify stocks the subadvisor believes have distinct value characteristics based on industry-specific valuation criteria. The subadvisor focuses on high quality companies with a proven record of above-average rates of profitability that sell at a discount relative to the overall small-cap market.

Fundamental research is then used to identify those companies demonstrating one or more of the following characteristics:

- Sustainable competitive advantages within a market niche;
- Strong profitability and free cash flows;

- Strong market share positions and trends;
- Quality of and share ownership by management; and
- Financial structures that are more conservative than the relevant industry average.

The fund's sector exposures are broadly diversified, but are primarily a result of stock selection and may, therefore, vary significantly from its benchmark. The fund may invest up to 15% of its total assets in foreign securities (with no more than 5% in emerging market securities). The fund may have significant investments in the financial services sector.

Except as otherwise stated under "Additional Information about the Funds — Temporary Defensive Investing," the fund normally has 10% or less (usually lower) of its total assets invested in cash and cash equivalents.

The fund may invest in initial public offerings ("IPOs"). The fund may also purchase each of the following types of securities: real estate investment trusts ("REITs") or other real estate related equity securities, U.S. dollar-denominated foreign securities and certain exchange-traded funds ("ETFs"). For purposes of the fund, ETFs are considered securities with a market capitalization equal to the weighted average market capitalization of the basket of securities comprising the ETF.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Exchange-traded funds risk.** An ETF generally reflects the risks of the underlying securities of the index it is designed to track. However, at times, an ETF's portfolio composition and performance may not match that of such index. A fund bears ETF fees and expenses indirectly.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Initial public offerings risk.** IPO share prices are frequently volatile and may significantly impact fund performance.

**Real estate investment trust risk.** REITs, pooled investment vehicles that typically invest in real estate directly or in loans collateralized by real estate, carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Real estate securities risk.** Securities of companies in the real estate industry carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

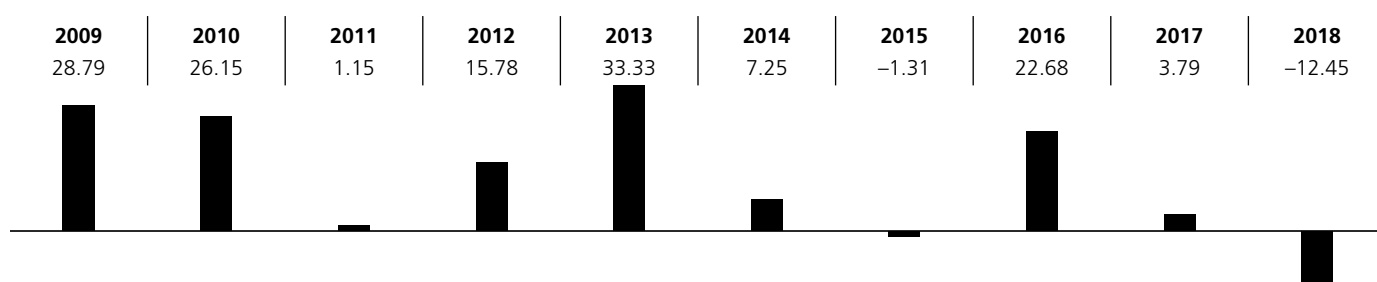
**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Value investing style risk.** The fund emphasizes a value style of investing, which focuses on undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on value equity securities are less than returns on other styles of investing or the overall stock market. Value stocks also may decline in price, even though in theory they are already underpriced.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

### Calendar year total returns for Series NAV (%)



**Best quarter:** Q3 '09, 20.61%

**Worst quarter:** Q3 '11, -18.94%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-12.50	3.32	11.52	04/29/05
Series II	-12.66	3.11	11.31	04/29/05
Series NAV	-12.45	3.36	11.59	08/31/99
Russell 2000 Value Index (reflects no deduction for fees, expenses, or taxes)	-12.86	3.61	10.40	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Wellington Management Company LLP

## Portfolio management

**Timothy J. McCormack, CFA**

Senior Managing Director and

Equity Portfolio Manager

Managed fund since 2002

**Shaun F. Pedersen**

Senior Managing Director and

Equity Portfolio Manager

Managed fund since 2004

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Small Company Value Trust

## Investment objective

To seek long-term growth of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	1.04	1.04	1.04
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.06	0.06	0.06
Acquired fund fees and expenses <sup>1</sup>	0.10	0.10	0.10
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>1.25</b>	<b>1.45</b>	<b>1.20</b>
Contractual expense reimbursement <sup>3</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>1.24</b>	<b>1.44</b>	<b>1.19</b>

<sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.

<sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."

<sup>3</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	126	147	121
<b>3 years</b>	396	458	380
<b>5 years</b>	685	791	659
<b>10 years</b>	1,510	1,734	1,454

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 23% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in companies with market capitalizations, at the time of investment, that do not exceed the maximum market capitalization of any security in the Russell 2000 Index (\$10 million to \$8.8 billion as of February 28, 2019). The fund invests in small companies whose common stocks are believed to be undervalued. The market capitalization of the companies in the fund's portfolio and the Russell 2000 Index changes over time, and the fund will not sell a stock just because the company has grown to a market capitalization outside the range. The fund may, on occasion, purchase companies with a market capitalization above the range.

Reflecting a value approach to investing, the fund will seek the stocks of companies whose current stock prices do not appear to adequately reflect their underlying value as measured by assets, earnings, cash flow, or business franchises. The subadvisor's in house research team seeks to identify companies that appear to be undervalued by various measures, and may be temporarily out of favor, but have good prospects for capital appreciation. In selecting investments, they generally look for some of the following factors:

- Low price/earnings, price/book value or price/cash flow ratios relative to the Russell 2000 Index, the company's peers or its own historic norm;
- Low stock price relative to a company's underlying asset values;
- Above-average dividend yield relative to a company's peers or its own historic norm;

- A plan to improve the business through restructuring; and/or
- A sound balance sheet and other positive financial characteristics.

While most assets will be invested in U.S. common stocks, including real estate investment trusts (REITs) that pool money to invest in properties and mortgages, the fund may purchase other securities, including foreign securities (up to 20% of its total net assets), futures, and options. The fund may invest in fixed-income and convertible securities without restrictions on quality or rating, including up to 10% of total assets in below-investment-grade fixed-income securities ("junk bonds") and loans. The fund's fixed-income investments may include privately negotiated notes or loans, including loan participations and assignments ("bank loans"). These investments in bank loans will be made only in companies, municipalities or entities that meet the fund's investment criteria. Direct investments in bank loans may be illiquid and holding a loan could expose the fund to the risks of being a direct lender. Since the fund invests primarily in equity securities, the risks associated with fixed-income securities will not affect the fund as much as they would a fund that invests more of its assets in fixed-income securities.

The fund holds a certain portion of its assets in money market reserves, which can consist of shares of certain internal T. Rowe Price money market funds as well as U.S. dollar and foreign currency-denominated money market securities, including repurchase agreements, in the two highest rating categories, maturing in one year or less.

The fund may sell securities for a variety of reasons, such as to secure gains, limit losses or redeploy assets into more promising opportunities.

The fund may invest up to 10% of its total assets in hybrid instruments. Hybrid instruments are a type of high-risk derivatives which can combine the characteristics of securities, futures and options. Such securities may bear interest or pay dividends at below (or even relatively nominal) rates. The fund may focus its investments in a particular sector or sectors of the economy.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Convertible securities risk.** The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. As the market price of underlying common stock declines below the conversion price, the market value of the convertible security tends to be increasingly influenced by its yield.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Currency risk.** Fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund's investments. Foreign currencies may decline in value, which could negatively impact performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. Securities the manager believes are undervalued may never realize their full potential value, and in certain markets value stocks may underperform the market as a whole.

**Financial services sector risk.** Financial services companies can be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts and options. Futures contracts and options generally are subject to counterparty risk.



**Hybrid instrument risk.** Hybrid instruments entail greater market risk and may be more volatile than traditional debt instruments, may bear interest or pay preferred dividends at below-market rates, and may be illiquid. The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures, and currencies.

**Investment company securities risk.** A fund bears underlying fund fees and expenses indirectly.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Loan participations risk.** Participations and assignments involve special types of risks, including credit risk, interest-rate risk, counterparty risk, liquidity risk, risks associated with extended settlement, and the risks of being a lender.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

**Real estate investment trust risk.** REITs, pooled investment vehicles that typically invest in real estate directly or in loans collateralized by real estate, carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

**Real estate securities risk.** Securities of companies in the real estate industry carry risks associated with owning real estate, including the potential for a decline in value due to economic or market conditions.

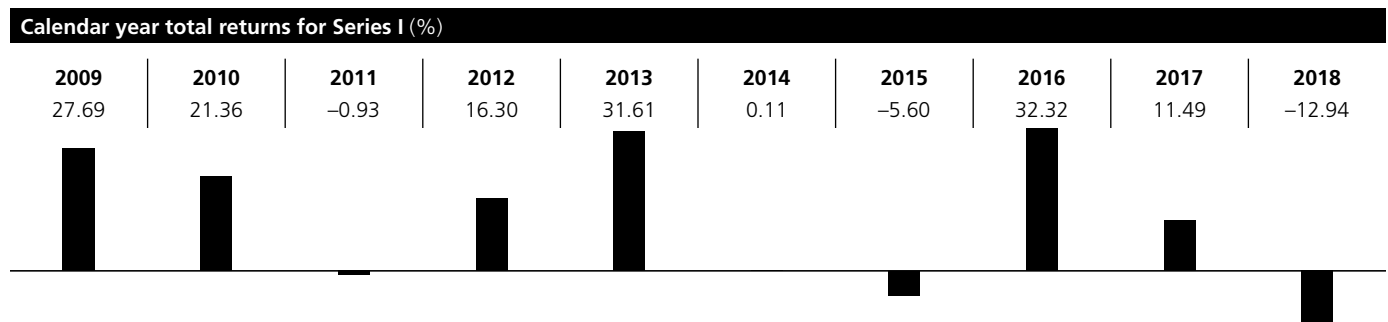
**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Value investing style risk.** The fund emphasizes a value style of investing, which focuses on undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on value equity securities are less than returns on other styles of investing or the overall stock market. Value stocks also may decline in price, even though in theory they are already underpriced.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 20.80%

**Worst quarter:** Q3 '11, -20.20%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-12.94	3.95	11.05	10/01/97
Series II	-13.09	3.74	10.83	01/28/02
Series NAV	-12.93	3.99	11.10	02/28/05
Russell 2000 Value Index (reflects no deduction for fees, expenses, or taxes)	-12.86	3.61	10.40	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** T. Rowe Price Associates, Inc.

## Portfolio management

**J. David Wagner, CFA**

Vice President

Managed fund since 2014

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Strategic Income Opportunities Trust

## Investment objective

To seek a high level of current income.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.62	0.62	0.62
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.07	0.07	0.07
<b>Total annual fund operating expenses</b>	<b>0.74</b>	<b>0.94</b>	<b>0.69</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.73</b>	<b>0.93</b>	<b>0.68</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	75	95	69
<b>3 years</b>	236	299	220
<b>5 years</b>	410	519	383
<b>10 years</b>	917	1,154	858

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 61% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests primarily in the following types of securities: foreign government and corporate debt securities from developed and emerging markets, U.S. government and agency securities, and high-yield bonds.

The fund may also invest in preferred stock and other types of debt securities.

Although the fund may invest up to 10% of its net assets in securities rated as low as D (in default) by Standard & Poor's Ratings Services ("S&P") or Moody's Investors Service, Inc. ("Moody's") (or their unrated equivalents) (i.e., "junk bonds"), it seeks to keep its average credit quality in the investment-grade range (AAA to BBB). There is no limit on the fund's average maturity. The fund's investment policies are based on credit ratings at the time of purchase.

In managing the fund, the subadvisor allocates assets among the three major types of securities (U.S. government debt and mortgages; corporate debt — primarily high yield; and foreign debt — both government and corporate, including emerging markets) based on analysis of economic factors, such as projected international interest rate movements, industry cycles and political trends. However, the subadvisor may invest up to 100% of the fund's total assets in any one sector. Within each type of security, the subadvisor looks for investments that are appropriate for the overall fund in terms of yield, credit quality, structure and industry distribution. In selecting securities, relative yields and risk/reward ratios are the primary considerations.

The fund may use certain higher-risk investments, including restricted or illiquid securities and derivatives, which include futures contracts on securities, indices and foreign currency; options on futures contracts, securities, indices and foreign currency; interest rate, foreign currency and credit default

swaps; and foreign currency forward contracts, in each case, for the purposes of reducing risk, obtaining efficient market exposure and/or enhancing investment returns. In addition, the fund may invest up to 10% of its net assets in domestic or foreign common stocks.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under “Additional Information About the Funds’ Principal Risks — Hedging, derivatives and other strategic transactions risk” including, but not limited to, U.S. Treasury futures and options, index derivatives, credit default swaps and currency forwards and options.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Changing distribution levels risk.** The fund may cease or reduce the level of its distribution if income or dividends paid from its investments declines.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund’s securities could affect the fund’s performance.

**Currency risk.** Fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund’s investments. Foreign currencies may decline in value, which could negatively impact performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund’s securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Defaulted debt risk.** Investing in defaulted debt securities is speculative and involves substantial risks in addition to those of non-defaulted high-yield securities. Defaulted debt securities generally do not generate interest payments. Principal on defaulted debt might not be repaid, and a fund could lose up to its entire investment.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company’s financial condition or overall market conditions.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security’s credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund’s volatility and could produce disproportionate losses, potentially more than the fund’s principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund’s ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: credit default swaps, foreign currency forward contracts, futures contracts, options, interest rate swaps, and swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Illiquid and restricted securities risk.** Illiquid and restricted securities may be difficult to value and may involve greater risks than liquid securities. Illiquidity may have an adverse impact on a particular security’s market price and the fund’s ability to sell the security.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

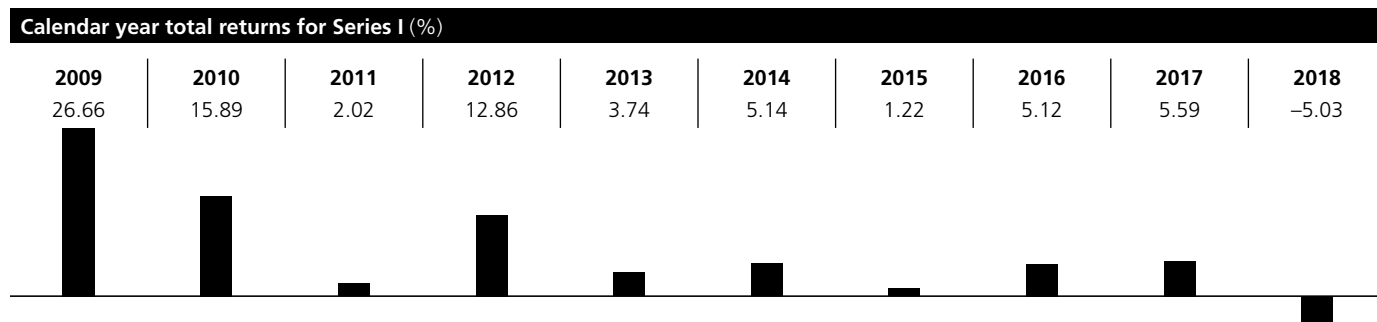
**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Sector risk.** When a fund focuses its investments in certain sectors of the economy, its performance may be driven largely by sector performance and could fluctuate more widely than if the fund were invested more evenly across sectors.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 9.61%

**Worst quarter:** Q3 '11, -8.83%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-5.03	2.33	7.00	05/03/04
Series II	-5.29	2.12	6.78	05/03/04
Series NAV	-5.00	2.38	7.05	04/29/05
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Daniel S. Janis III**

Senior Managing Director and Senior Portfolio Manager

Managed fund since 2004

**Thomas C. Goggins**

Senior Managing Director and Senior Portfolio Manager

Managed fund since 2009

**Kisoo Park**

Managing Director and Portfolio Manager

Managed fund since 2015

**Christopher M. Chapman, CFA**

Managing Director and Portfolio Manager

Managed fund since 2017

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Total Bond Market Trust

## Investment objective

To seek to track the performance of the Bloomberg Barclays U.S. Aggregate Bond Index (the “Bloomberg Barclays Index”) (which represents the U.S. investment grade bond market).

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.47	0.47	0.47
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
Acquired fund fees and expenses <sup>1</sup>	0.01	0.01	0.01
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.58</b>	<b>0.78</b>	<b>0.53</b>
Contractual expense reimbursement <sup>3</sup>	-0.27	-0.27	-0.27
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.31</b>	<b>0.51</b>	<b>0.26</b>

- 1 “Acquired fund fees and expenses” are based on indirect net expenses associated with the fund’s investments in underlying investment companies.
- 2 The “Total annual fund operating expenses after expense reimbursements” shown may not correlate to the fund’s ratios of expenses to average daily net assets shown in the “Financial highlights” section of the fund’s prospectus, which does not include “Acquired fund fees and expenses.”
- 3 The advisor contractually agrees to reduce its management fee or, if necessary, make payment to the fund in an amount equal to the amount by which expenses of the fund exceed 0.25% of average daily net assets of the fund. For purposes of this agreement, “expenses of the fund” means all fund expenses, excluding (a) taxes, (b) brokerage commissions, (c) interest expense, (d) litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund’s business, (e) class-specific expenses, (f) borrowing costs, (g) prime brokerage fees, (h) acquired fund fees and expenses paid indirectly, and (i) short dividend expense. This agreement expires on April 30, 2020, unless renewed by mutual agreement of the advisor and the fund based upon a determination that this is appropriate under the circumstances at that time. The advisor also contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund’s reimbursement amounted to 0.01% of the fund’s average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund’s operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	32	52	27
<b>3 years</b>	159	222	143
<b>5 years</b>	297	407	269
<b>10 years</b>	700	941	639

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund’s performance. During its most recent fiscal year, the fund’s portfolio turnover rate was 22% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowing for investment purposes) in securities listed in the Bloomberg Barclays U.S. Aggregate Bond Index (the Bloomberg Barclays Index).

The fund is an index fund, which differs from actively managed funds. Actively managed funds seek to outperform their respective indices through research and analysis. Over time, their performance may differ significantly from their respective indices. The fund is a passively managed fund that seeks to mirror the performance of its target index, minimizing performance differences over time.

An index is an unmanaged group of securities whose overall performance is used as an investment benchmark. Indices may track broad investment markets, such as the global equity market, or more narrow investment markets, such as the U.S. small cap equity market. The fund attempts to match the performance of the Bloomberg Barclays Index by holding a representative sample of the securities that comprise the Bloomberg Barclays Index.

However, an index fund has operating expenses and transaction costs, while a market index does not. Therefore, the fund, while it attempts to track its target index closely, typically will be unable to match the performance of the target index exactly.

The fund is an intermediate term bond fund of high and medium credit quality that seeks to track the performance of the Bloomberg Barclays Index, which broadly represents the U.S. investment grade bond market. The fund's investment policies are based on credit ratings at the time of purchase.

The subadvisor employs a passive management strategy using quantitative techniques to select individual securities that provide a representative sample of the securities in the Bloomberg Barclays Index.

The Bloomberg Barclays Index consists of U.S. dollar-denominated, fixed rate, investment grade debt securities with maturities generally greater than one year and outstanding par values of at least \$200 million, including:

- U.S. Treasury and agency securities;
- Asset-backed and mortgage-backed securities, including mortgage pass-through securities and commercial mortgage-backed securities ("CMBS") and collateralized mortgage offerings ("CMOs");
- Corporate bonds, both U.S. and foreign (if U.S. dollar-denominated); and
- Foreign government and agency securities (if U.S. dollar-denominated).

The subadvisor selects securities to match, as closely as practicable, the Bloomberg Barclays Index's duration, cash flow, sector, credit quality, callability and other key performance characteristics.

The Bloomberg Barclays Index composition may change from time to time. The subadvisor will reflect those changes as soon as practicable.

The fund may purchase other types of securities that are not primary investment vehicles. These would include, for example, certain derivatives (investments whose value is based on indexes or other securities) such as futures contracts, interest-rate swaps and options.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use all of the various investment strategies referred to under "Additional Information About the Funds' Principal Risks — Hedging, derivatives and other strategic transactions risk" such as futures contracts, interest-rate swaps and options.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: futures contracts, options, and interest-rate swaps. Futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation.

**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in

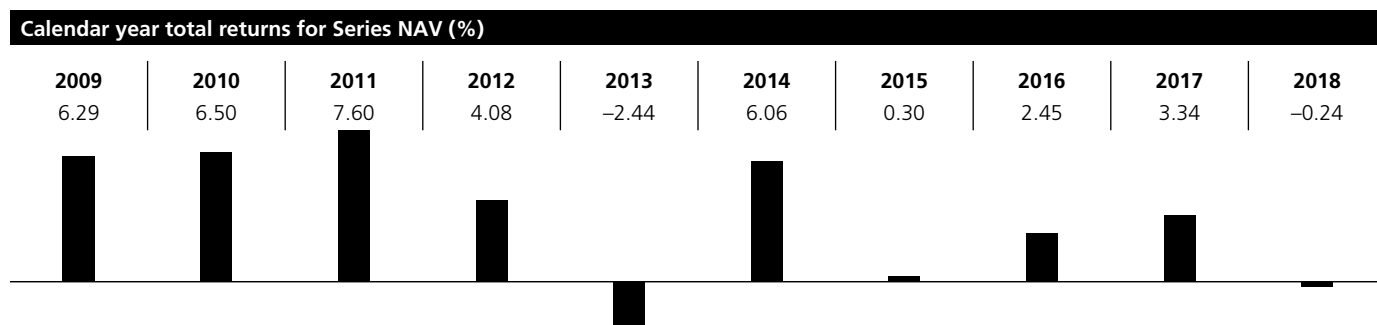
rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

**TBA mortgage contracts** TBA mortgage contracts involve a risk of loss if the value of the underlying security to be purchased declines prior to delivery date. The yield obtained for such securities may be higher or lower than yields available in the market on delivery date.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. Performance shown for periods prior to the inception date of a class is the performance of the fund's oldest share class. This pre-inception performance, with respect to any other share class of the fund, has not been adjusted to reflect the Rule 12b-1 fees of that class. As a result, the pre-inception performance shown for a share class other than the oldest share class may be higher or lower than it would be if adjusted to reflect the Rule 12b-1 fees of the class. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q3 '09, 3.90%

**Worst quarter:** Q4 '16, -3.21%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-0.19	2.32	3.32	11/05/12
Series II	-0.49	2.12	3.19	11/05/12
Series NAV	-0.24	2.36	3.34	05/01/98
Bloomberg Barclays U.S. Aggregate Bond Index (reflects no deduction for fees, expenses, or taxes)	0.01	2.52	3.48	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Peter M. Farley, CFA**

Senior Managing Director and Senior Portfolio Manager

Managed fund since 2005

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.



# Total Stock Market Index Trust

## Investment objective

Seeks to approximate the aggregate total return of a broad U.S. domestic equity market index.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.48	0.48	0.48
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.05	0.05	0.05
Acquired fund fees and expenses <sup>1</sup>	0.01	0.01	0.01
<b>Total annual fund operating expenses<sup>2</sup></b>	<b>0.59</b>	<b>0.79</b>	<b>0.54</b>
Contractual expense reimbursement <sup>3</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.58</b>	<b>0.78</b>	<b>0.53</b>

- <sup>1</sup> "Acquired fund fees and expenses" are based on indirect net expenses associated with the fund's investments in underlying investment companies.
- <sup>2</sup> The "Total annual fund operating expenses after expense reimbursements" shown may not correlate to the fund's ratios of expenses to average daily net assets shown in the "Financial highlights" section of the fund's prospectus, which does not include "Acquired fund fees and expenses."
- <sup>3</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	59	80	54
<b>3 years</b>	188	251	172
<b>5 years</b>	328	438	301
<b>10 years</b>	737	977	676

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 2% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) at the time of investment in (a) the common stocks that are included in the Wilshire 5000 Total Market Index and (b) securities (which may or may not be included in the Wilshire 5000 Total Market Index) that the subadvisor believes as a group will behave in a manner similar to the index. As of February 28, 2019, the market capitalizations of companies included in the Wilshire 5000 Total Market Index ranged from less than \$26 million to \$865.9 billion.

An index is an unmanaged group of securities whose overall performance is used as an investment benchmark. Indexes may track broad investment markets, such as the global equity market, or more narrow investment markets, such as the U.S. small cap equity market. In contrast to actively managed funds, which seek to outperform their respective benchmark indexes through research and analysis, index funds are passively managed funds that seek to mirror the performance of their target indexes, minimizing performance differences over time. The fund attempts to match the performance of the Wilshire 5000 Total Market Index by: (a) holding all, or a representative sample, of the securities that comprise that index; and/or (b) holding securities (which may or may not be included in the index) that the subadvisor believes as a group will behave in a manner similar to the index. However, the fund has operating expenses and transaction costs, while a market index does not. Therefore, the fund, while it attempts to track its target index closely, typically will be unable to match the performance of the index exactly. The composition of an index changes from time to time, and the subadvisor will reflect those changes in the composition of the fund's portfolio as soon as practicable.

# Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

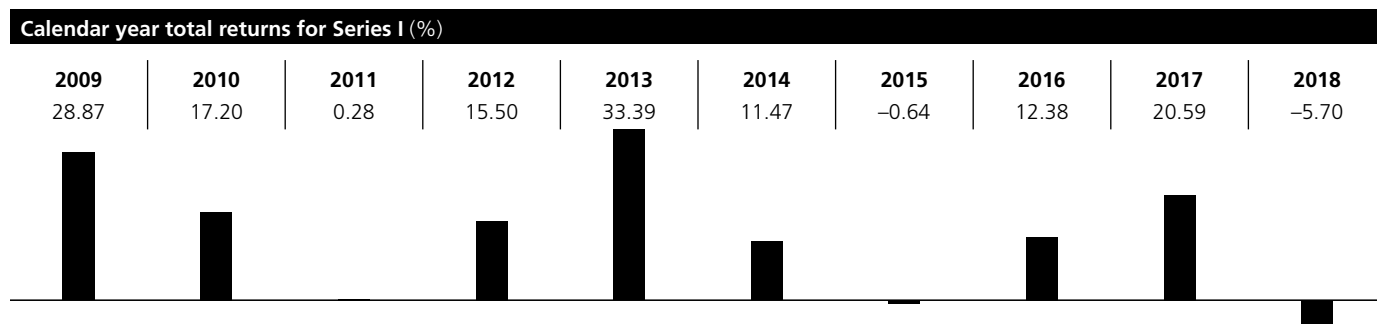
**Index management risk.** Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses, and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

# Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 16.64%

**Worst quarter:** Q3 '11, -15.23%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	-5.70	7.20	12.69	05/02/00
Series II	-5.92	6.98	12.45	01/28/02
Series NAV	-5.66	7.24	12.74	04/29/05
Wilshire 5000 Total Market Full Cap Index (reflects no deduction for fees, expenses, or taxes)	-5.29	7.69	13.21	

# Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (North America) Limited

## Portfolio management

### **Brett Hryb, CFA**

Managing Director and Senior Portfolio Manager

Managed fund since 2014

### **Ashikhusein Shahpurwala, CFA**

Managing Director and Senior Portfolio Manager

Managed fund since 2013

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

# Ultra Short Term Bond Trust

## Investment objective

The fund seeks a high level of current income consistent with the maintenance of liquidity and the preservation of capital.

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.55	0.55	0.55
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.08	0.08	0.08
<b>Total annual fund operating expenses</b>	<b>0.68</b>	<b>0.88</b>	<b>0.63</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.67</b>	<b>0.87</b>	<b>0.62</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	68	89	63
<b>3 years</b>	217	280	201
<b>5 years</b>	378	487	350
<b>10 years</b>	846	1,083	785

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 59% of the average value of its portfolio.

## Principal investment strategies

Under normal circumstances, the fund invests at least 80% of its net assets in a diversified portfolio of domestic, investment grade, debt securities. Debt securities may be issued by governments, companies or special purpose entities and may include notes, discount notes, bonds, debentures, commercial paper, repurchase agreements, mortgage-backed and other asset-backed securities and assignments, participations and other interests in bank loans. Some loans may be illiquid. The fund may also invest in cash and cash equivalents. The fund's investment policies are based on credit ratings at the time of purchase.

Investment grade securities include securities that are rated in one of the four highest rating categories as determined by a nationally recognized statistical rating organization, such as Standard & Poor's Ratings Services ("S&P"), Fitch Ratings ("Fitch") or Moody's Investors Service ("Moody's"), or are unrated securities determined by the subadvisor to be of comparable quality.

The fund may invest up to 20% of its net assets in securities that are rated BBB by S&P or Fitch, Baa by Moody's, or unrated securities determined by the subadvisor to be of comparable quality. The fund may invest up to 20% of its net assets in foreign debt securities, including up to 5% of its net assets in foreign debt securities that are denominated in a foreign currency.

Under normal circumstances, the fund's dollar weighted average maturity will be two years or less and its duration will be one year or less. Up to 15% of the fund's net assets may be invested in securities with maturities greater than three years.

*Use of Hedging and Other Strategic Transactions.* The fund is authorized to use various hedging, derivatives and other strategic transactions described under "Additional Information about the Funds' Principal Risks – Hedging, derivatives and other strategic transactions risk."

The fund may invest in derivatives, including futures, currency forwards, options, swap contracts and other derivative instruments. The fund may invest in derivatives for both hedging and non-hedging purposes, including, for example, to seek to enhance returns or as a substitute for a position in an underlying asset.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. U.S. government securities are subject to varying degrees of credit risk depending upon the nature of their support. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, options, and swaps. Foreign currency forward contracts, futures contracts, options, and swaps generally are subject to counterparty risk. In addition, swaps may be subject to interest-rate and settlement risk, and the risk of default of the underlying reference obligation. Derivatives associated with foreign currency transactions are subject to currency risk.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Loan participations risk.** Participations and assignments involve special types of risks, including credit risk, interest-rate risk, counterparty risk, liquidity risk, risks associated with extended settlement, and the risks of being a lender.

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.

### Calendar year total returns for Series I (%)

	2011	2012	2013	2014	2015	2016	2017	2018
	0.12	0.54	-0.07	-0.02	-0.04	0.52	0.66	1.40

**Best quarter:** Q3 '18, 0.51%

**Worst quarter:** Q2 '13, -0.41%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	Inception	Date of Inception
<b>Series I</b>	1.40	0.50	0.35	07/29/10
<b>Series II</b>	1.19	0.30	0.15	07/29/10
<b>Series NAV</b>	1.53	0.57	0.41	07/29/10
ICE Bank of America Merrill Lynch 6 Month Treasury Bill Index (reflects no deduction for fees, expenses, or taxes)	1.92	0.78	0.55	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** John Hancock Asset Management a division of Manulife Asset Management (US) LLC

## Portfolio management

**Howard C. Greene**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2010

**Jeffrey N. Given, CFA**

Senior Managing Director and Senior Portfolio Manager  
Managed fund since 2010

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to "Additional information about the funds" at page 206 of the Prospectus.

# Utilities Trust

## Investment objective

To seek capital growth and current income (income above that available from the fund invested entirely in equity securities).

## Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the fund. The fees and expenses do not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did.

<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
Management fee	0.82	0.82	0.82
Distribution and service (Rule 12b-1) fees	0.05	0.25	0.00
Other expenses	0.08	0.08	0.08
<b>Total annual fund operating expenses</b>	<b>0.95</b>	<b>1.15</b>	<b>0.90</b>
Contractual expense reimbursement <sup>1</sup>	-0.01	-0.01	-0.01
<b>Total annual fund operating expenses after expense reimbursements</b>	<b>0.94</b>	<b>1.14</b>	<b>0.89</b>

<sup>1</sup> The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

## Expense example

The examples are intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The examples assume that \$10,000 is invested in the fund for the periods indicated and then all shares are redeemed at the end of those periods. The examples also assume that the investment has a 5% return each year and that the fund's operating expenses remain the same. The expense example does not reflect fees and expenses of any variable insurance contract that may use the fund as its underlying investment option and would be higher if they did. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<b>Expenses (\$)</b>	<b>Series I</b>	<b>Series II</b>	<b>Series NAV</b>
<b>1 year</b>	96	116	91
<b>3 years</b>	302	364	286
<b>5 years</b>	525	632	497
<b>10 years</b>	1,165	1,397	1,107

## Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During its most recent fiscal year, the fund's portfolio turnover rate was 26% of the average value of its portfolio.

## Principal investment strategies

Under normal market conditions, the fund invests at least 80% of its net assets (plus any borrowing for investment purposes) in securities of companies in the utilities industry. The subadvisor considers a company to be in the utilities industry if, at the time of investment, the subadvisor determines that a substantial portion (i.e., at least 50%) of the company's assets or revenues are derived from one or more utilities.

Companies in the utilities industry include: (i) companies engaged in the manufacture, production, generation, transmission, sale or distribution of electric, gas or other types of energy, water or other sanitary services; and (ii) companies engaged in telecommunications, including telephone, cellular telephone, satellite, microwave, cable television and other communications media (but not engaged in public broadcasting).

The fund primarily invests in equity securities, including common stocks and related securities, such as preferred stocks, convertible securities and depositary receipts, but may also invest in corporate bonds and other debt instruments. The subadvisor may invest up to 20% of the fund's net assets in lower rated debt instruments (commonly known as "junk bonds"). The fund's investment policies are based on credit ratings at the time of purchase. The fund may invest in securities of companies of any size.

The subadvisor uses an active bottom-up investment approach to buying and selling investments for the fund. Investments are selected primarily based on fundamental analysis of individual issuers and/or instruments in light of issuers' financial condition and market, economic, political, and regulatory conditions. Factors considered for equity securities may include analysis of an issuer's earnings, cash flows, competitive position, and management ability. Factors considered for debt instruments may include the instrument's credit quality, collateral characteristics and indenture provisions and the issuer's management ability, capital structure, leverage, and ability to meet its current obligations. Quantitative screening tools that systematically

evaluate the valuation, price and earnings momentum, earnings quality, and other factors of the issuer of an equity security or the structure of a debt instrument may also be considered.

The subadvisor may invest the fund's assets in U.S. and foreign securities. The fund may invest up to 40% of its net assets in foreign securities (including emerging markets securities, Brady bonds and depositary receipts). The subadvisor normally invests the fund's assets across different countries and regions, but the subadvisor may invest a significant percentage of the fund's assets in issuers in a single country or region.

The fund may have exposure to foreign currencies through its investments in foreign securities, its direct holdings of foreign currencies, or through its use of foreign currency exchange contracts for the purchase or sale of a fixed quantity of a foreign currency at a future date.

While the fund may use derivatives for any investment purpose, to the extent the subadvisor uses derivatives, the subadvisor expects to use derivatives primarily to increase or decrease currency exposure.

The fund concentrates its investments in securities of issuers in the utilities industry.

## Principal risks

The fund is subject to risks, and you could lose money by investing in the fund. The principal risks of investing in the fund include:

**Concentration risk.** Because the fund may focus on one or more industries or sectors of the economy, its performance depends in large part on the performance of those sectors or industries. As a result, the value of an investment may fluctuate more widely than it would in a fund that is diversified across industries and sectors.

**Credit and counterparty risk.** The issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter derivatives contract, or a borrower of fund securities may not make timely payments or otherwise honor its obligations. A downgrade or default affecting any of the fund's securities could affect the fund's performance.

**Currency risk.** Fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund's investments. Foreign currencies may decline in value, which could negatively impact performance.

**Cybersecurity and operational risk.** Cybersecurity breaches may allow an unauthorized party to gain access to fund assets, customer data, or proprietary information, or cause a fund or its service providers to suffer data corruption or lose operational functionality. Similar incidents affecting issuers of a fund's securities may negatively impact performance. Operational risk may arise from human error, error by third parties, communication errors, or technology failures, among other causes.

**Economic and market events risk.** Events in the U.S. and global financial markets, including actions taken by the U.S. Federal Reserve or foreign central banks to stimulate or stabilize economic growth, may at times result in unusually high market volatility, which could negatively impact performance. Reduced liquidity in credit and fixed-income markets could adversely affect issuers worldwide. Banks and financial services companies could suffer losses if interest rates rise or economic conditions deteriorate.

**Equity securities risk.** The price of equity securities may decline due to changes in a company's financial condition or overall market conditions.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance.

**Foreign securities risk.** Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The risks of investing in foreign securities are magnified in emerging markets. Depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

**Geographic focus risk.** The fund's performance will be closely tied to the market, currency, economic, political, regulatory, geopolitical, and other conditions in the countries or regions in which the fund's assets are invested and may be more volatile than the performance of more geographically-diversified funds.

**Hedging, derivatives, and other strategic transactions risk.** Hedging, derivatives, and other strategic transactions may increase a fund's volatility and could produce disproportionate losses, potentially more than the fund's principal investment. Risks of these transactions are different from and possibly greater than risks of investing directly in securities and other traditional instruments. Under certain market conditions, derivatives could become harder to value or sell and may become subject to liquidity risk (i.e., the inability to enter into closing transactions). Regulatory changes in derivative markets could impact the cost of or the fund's ability to engage in derivative transactions. Derivatives and other strategic transactions that the fund intends to utilize include: foreign currency forward contracts, futures contracts, and options. Foreign currency forward contracts, futures contracts, and options generally are subject to counterparty risk. Derivatives associated with foreign currency transactions are subject to currency risk.

**Large company risk.** Larger companies may grow more slowly than smaller companies or be slower to respond to business developments. Large-capitalization securities may underperform the market as a whole.

**Liquidity risk.** The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Liquidity risk may be magnified in rising interest rate environments due to higher than normal redemption rates. Widespread selling of fixed-income securities to satisfy redemptions during periods of reduced demand may adversely impact the price or salability of such securities. Periods of heavy redemption could cause the fund to



sell assets at a loss or depressed value, which could negatively affect performance. Redemption risk is heightened during periods of declining or illiquid markets.

**Lower-rated and high-yield fixed-income securities risk.** Lower-rated and high-yield fixed-income securities (junk bonds) are subject to greater credit quality risk, risk of default, and price volatility than higher-rated fixed-income securities, may be considered speculative, and can be difficult to resell.

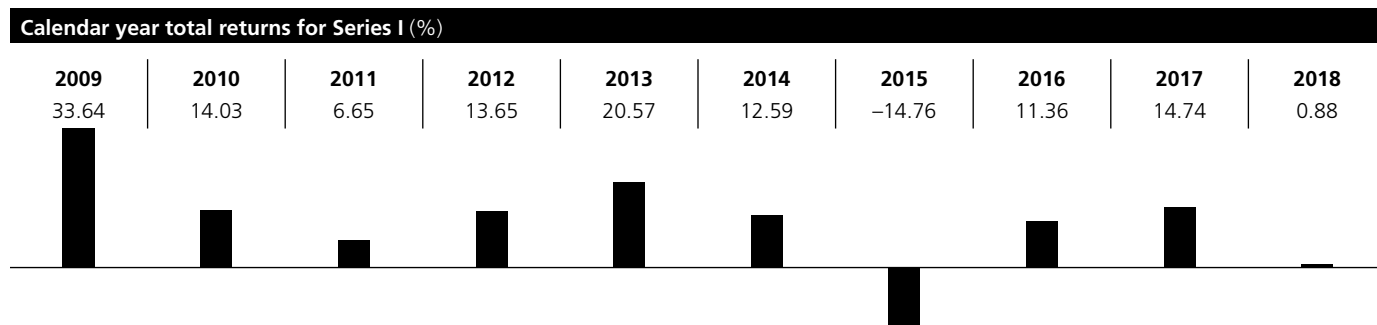
**Preferred and convertible securities risk.** Preferred stock dividends are payable only if declared by the issuer's board. Preferred stock may be subject to redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. Convertible preferred stock's value can depend heavily upon the underlying common stock's value.

**Small and mid-sized company risk.** Small and mid-sized companies are generally less established and may be more volatile than larger companies. Small and/or mid-capitalization securities may underperform the market as a whole.

**Utilities sector risk.** Utilities companies' performance may be volatile due to variable fuel, service, and financing costs, conservation efforts, government regulation, and other factors.

## Past performance

The following information provides some indication of the risks of investing in the fund by showing changes in performance from year to year and by showing how average annual returns for specified periods compare with those of a broad measure of market performance. The S&P 500 Index shows how the fund's performance compares against another broad measure of market performance. The performance information below does not reflect fees and expenses of any variable insurance contract which may use JHVIT as its underlying investment option. If such fees and expenses had been reflected, performance would be lower. The past performance of the fund is not necessarily an indication of how the fund will perform in the future.



**Best quarter:** Q2 '09, 21.12%

**Worst quarter:** Q3 '15, -11.83%

*Average Annual Total Returns for Period Ended 12/31/2018*

Average annual total returns (%)	1 Year	5 Year	10 Year	Date of Inception
Series I	0.88	4.35	10.67	04/30/01
Series II	0.69	4.14	10.44	01/28/02
Series NAV	0.93	4.40	10.71	04/29/05
S&P 500 Utilities Sector Index (reflects no deduction for fees, expenses, or taxes)	4.11	10.74	10.46	
S&P 500 Index (reflects no deduction for fees, expenses, or taxes)	-4.38	8.49	13.12	

## Investment management

**Investment Advisor** John Hancock Investment Management Services, LLC

**Subadvisor** Massachusetts Financial Services Company ("MFS")

## Portfolio management

**Claud Davis**

Investment Officer of MFS  
Managed fund since 2014

**Maura Shaughnessy\***

Investment Officer of MFS  
Managed fund since 2001

**Scott Walker**

Investment Officer of MFS  
Managed fund since 2017

*\*Effective August 1, 2019, Maura Shaughnessy will no longer serve as a portfolio manager of the fund.*

## Other important information regarding the fund

For important information about taxes and financial intermediary compensation, please turn to “Additional information about the funds” at page 206 of the Prospectus.

## Additional information about the funds

### Taxes

For federal income tax purposes, each of the funds is treated as a separate entity, intends to qualify as a “regulated investment company” under Subchapter M of the Internal Revenue Code of 1986, as amended (the “Code”), and intends to meet the diversification requirements that are applicable to mutual funds that serve as underlying investments for insurance company separate accounts. A fund that qualifies as a regulated investment company will not be subject to U.S. federal income tax on its net investment income and net capital gain that it distributes to its shareholders in each taxable year (provided that it distributes at least the sum of 90% of its net investment company taxable income and 90% of its net tax exempt interest income for the taxable year). Insurance company separate accounts, the principal shareholders of the funds, generally do not pay tax on dividends and capital gain distributions from the funds.

Because shares of the funds may be purchased only through variable insurance contracts and qualified plans, it is expected that any dividends or capital gains distributions made by the funds will be exempt from current federal taxation if left to accumulate within the variable contract or qualified plan. Holders of variable insurance contracts should consult the prospectuses of their respective contracts for information on the federal income tax consequences to such holders.

**Variable contract owners should consult with their own tax advisors as to the tax consequences of investments in the funds, including the application of state and local taxes.**

More information about taxes is located in the Statement of Additional Information (SAI) under the heading “Additional Information Concerning Taxes.”

### Compensation of financial intermediaries

The funds are not sold directly to the general public but instead are offered as underlying investment options for variable insurance contracts. The distributors of these contracts, the insurance companies that issue the contracts and their related companies may pay compensation to broker-dealers and other intermediaries for distribution and other services and may enter into revenue sharing arrangements with certain intermediaries. The source of funds for these payments to intermediaries may be the fees paid by the funds under their agreements with insurance and related companies for management, distribution and other services. Payments by insurance and related companies to intermediaries may create a conflict of interest by influencing them and their salespersons to recommend such contracts over other investments. Ask your salesperson or visit your financial intermediary’s Web site for more information. In addition, payments by the funds to insurance and related companies may be a factor that an insurance company considers in including the funds as underlying investment options in variable insurance contracts. The prospectus (or other offering document) for your variable insurance contract may contain additional information about these payments.

### Temporary Defensive Investing (applicable to all funds except Money Market Trust)

During unusual or unsettled market conditions, for purposes of meeting redemption requests, or pending investment of its assets, a fund generally may invest all or a portion of its assets in cash and securities that are highly liquid, including: (a) high quality money market instruments, such as short-term U.S. government obligations, commercial paper, repurchase agreements or other cash equivalents; and (b) money market funds. In the case of funds investing extensively in foreign securities, these investments may be denominated in either U.S. dollars or foreign currencies and may include debt of foreign corporations, governments and supranational organizations. To the extent a fund is in a defensive position, its ability to achieve its investment objective will be limited.

## Other permitted investments by the funds of funds

The funds of funds may directly:

- Purchase U.S. government securities and short-term paper.
- Purchase shares of other registered open-end investment companies (and registered unit investment trusts) within the same “group of investment companies” as that term is defined in Section 12 of the Investment Company Act of 1940, as amended (the 1940 Act).
- Purchase shares of other registered open-end investment companies (and registered unit investment trusts) where the advisor is not the same as, or affiliated with, the advisor to the fund, including ETFs.
- Purchase exchange-traded notes (ETNs).
- Invest in domestic and foreign equity securities, which may include common and preferred stocks of large-, medium- and small-capitalization companies in both developed (including the U.S.) and emerging markets.
- Invest in domestic and foreign fixed-income securities, which may include debt securities of governments throughout the world (including the U.S.), their agencies and instrumentalities, debt securities of corporations and supranationals, inflation protected securities, convertible bonds, mortgage-backed securities, asset-backed securities and collateralized debt securities. Investments in fixed-income securities may include securities of issuers in both developed (including the U.S.) and emerging markets and may include fixed-income securities rated below investment grade.
- Purchase securities of registered closed-end investment companies that are part of the same “group of investment companies” as that term is defined in Section 12 of the 1940 Act.
- Invest up to 15% of its net assets in illiquid securities of entities such as limited partnerships and other pooled investment vehicles, such as hedge funds.
- Make short sales of securities (borrow and sell securities not owned by the fund with the prior approval of the advisor’s Complex Securities Committee), either to realize appreciation when a security that the fund does not own declines in value or as a hedge against potential declines in the value of a fund security.

- Invest in “qualified” publicly traded partnerships and other publicly traded partnerships that at the time of investment the advisor believes will generate only good income for purposes of qualifying as a regulated investment company under the Code, including such publicly traded partnerships that invest principally in commodities or commodities-linked derivatives (with the prior approval of the advisor’s Complex Securities Committee).

The funds of funds may use various investment strategies such as hedging and other related transactions. For example, a fund of funds may use derivative instruments (such as options, futures and swaps) for hedging purposes, including hedging various market risks and managing the effective maturity or duration of debt instruments held by the fund. In addition, these strategies may be used to gain exposure to a particular security or securities market. A fund of funds also may purchase and sell commodities and may enter into swap contracts and other commodity-linked derivative instruments including those linked to physical commodities. Please refer to “Hedging and Other Strategic Transactions Risk” in the Statement of Additional Information (SAI).

+The Funds of Funds are:

Each Lifestyle Portfolio

Each Managed Volatility Portfolio

(Collectively the “Funds of Funds”)

## Additional information about the risks of the Lifestyle Portfolios’ asset transfer process

The Lifestyle Growth Portfolio, Lifestyle Moderate Portfolio, Lifestyle Balanced Portfolio and Lifestyle Conservative Portfolio (collectively, the “JHVIT Lifestyle Portfolios”) are offered in connection with specific guaranteed benefits under variable annuity contracts (the “Contracts”) issued by John Hancock Life Insurance Company (U.S.A.) and John Hancock Life Insurance Company of New York (collectively, the “John Hancock Issuers”). The Contracts provide that the John Hancock Issuers can automatically transfer contract value between the Lifestyle Portfolio and the Select Bond Trust through a nondiscretionary, systematic mathematical process. The purpose of these transfers is to attempt to protect contract value from declines due to market volatility, and therefore limit the John Hancock Issuers’ exposure to risk under the guaranteed benefits under the Contracts. The timing and amount of any transfer of contract value under the John Hancock Issuers’ process will depend on several factors, including market movements. In general, the higher the equity component of a JHVIT Lifestyle Portfolio, the more likely that contract value will be reallocated from the JHVIT Lifestyle Portfolio to the Select Bond Trust when equity markets fall. These asset reallocations may result in large-scale asset flows into and out of, and may negatively affect the performance of the JHVIT Lifestyle Portfolio and the underlying funds in which the JHVIT Lifestyle Portfolio invest.

As a result of large scale asset flows into and out of the JHVIT Lifestyle Portfolios, the underlying funds in which the JHVIT Lifestyle Portfolios invest, may also experience large-scale inflows and outflows. These flows may increase an underlying fund’s transaction costs and cause the fund to purchase or sell securities when it would not normally do so, which may negatively affect the underlying fund’s expense ratios and performance. It could be particularly disadvantageous for an underlying fund if it experiences outflows and needs to sell securities at a time of volatility in the markets, when values could be falling. Because the JHVIT Lifestyle Portfolios bear their proportionate share of the transaction costs of the underlying funds, increased underlying fund expenses may indirectly negatively affect the performance of the JHVIT Lifestyle Portfolios.

### Advance trade estimate risk

The JHVIT Lifestyle Portfolios may seek to mitigate asset transfer risk by adjusting its portfolio based on advance estimates of automatic transfers of Contract value under the Contracts. The John Hancock Issuers have provided the JHVIT Lifestyle Portfolios’ subadvisor with an analytical tool that calculates estimates of automatic transfers based on several factors, including the mathematical process for automatic transfers and market movements before the daily close of trading. The subadvisor may, but is not required to, use the tool to adjust the JHVIT Lifestyle Portfolios’ portfolio with the goal of trading in securities or purchasing shares of underlying funds as close to the market close as possible in order to limit the JHVIT Lifestyle Portfolios’ exposure to cash drag (i.e., holding cash while markets are rising) and adverse overnight market fluctuations. For example, in a rising market, if the analytical tool suggests that the JHVIT Lifestyle Portfolios will receive inflows that day (the “Trade Date”), the subadvisor could buy securities or shares of an underlying fund close to or at the closing prices on the Trade Date, as opposed to the following business day, when the actual transfer amount would be known. In a falling market, if the analytical tool suggests that the JHVIT Lifestyle Portfolios will experience outflows on Trade Date, the subadvisor could sell securities or shares of an underlying fund close to or at the closing prices on Trade Date, as opposed to the following business day, when the actual transfer amount would be known.

If the subadvisor relies on the analytical tool or its own judgment and places trades in anticipation of purchases and redemptions of JHVIT Lifestyle shares, there can be no assurance that the prices paid by the JHVIT Lifestyle Portfolios will be better than if the JHVIT Lifestyle Portfolios had traded the following business day. The estimated transfer amount may be different from the actual transfer amount for various reasons, including changes in market direction, contract owner behavior and faulty inputs. If the estimated transfer amount is different from the actual transfer amount, the JHVIT Lifestyle Portfolios will buy or sell securities or shares of an underlying fund the following business day to adjust for this difference. For example, if cash flows into the JHVIT Lifestyle Portfolios are less than estimated, the JHVIT Lifestyle Portfolios could be forced to liquidate positions it had purchased. Conversely, if cash flows out of the JHVIT Lifestyle Portfolios are less than estimated, the JHVIT Lifestyle Portfolios may be required to repurchase positions it had sold. In addition, purchasing securities or shares of an underlying fund early could cause the JHVIT Lifestyle Portfolios to spend more money than it has available and, in the event of a market decline, such leverage will magnify losses because the decline also affects the securities purchased with amounts in excess of the JHVIT Lifestyle Portfolios’ assets. Due to these various factors, trading on the basis of advance estimates of automatic transfers may cause higher portfolio turnover than that based solely on automatic transfers of Contract value under the Contracts, increase JHVIT Lifestyle Portfolios expenses and adversely affect the performance of the JHVIT Lifestyle Portfolios.

## Additional information about the funds of funds' principal risks

The principal risks of investing in each fund of funds are summarized in the description of that fund above. These risks are more fully described below. The risks are described in alphabetical order and not in order of importance. JHVIT's Statement of Additional Information (the "SAI") dated the same date as this prospectus contains further details about these risks as well as information about additional risks.

### **Affiliated insurance companies**

The Advisor may be influenced by the benefits to its affiliated life insurance companies in managing the fund and overseeing its subadvisors. The John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund have a financial interest in preserving the value of the funds and reducing their volatility due to their obligations for these guaranteed benefits (the cost of providing these guaranteed benefits is related to several factors including the performance and volatility of the fund). To the extent the fund is successful in managing the volatility of returns and downside risk, the John Hancock insurance companies issuing guaranteed benefits on variable annuity and insurance contracts investing in the fund will also benefit from a reduction in their potential investment risk which will reduce their costs of hedging this risk and may reduce their reserve and capital requirements. These financial benefits to the John Hancock insurance companies may be material. The fund and the fund's investment advisor have adopted procedures that are intended to address these conflicts and ensure that the fund is managed in accordance with its disclosed investment objectives and strategies.

### **Asset allocation risk**

Although asset allocation among different asset categories generally limits risk and exposure to any one category, the risk remains that a manager may favor an asset category that performs poorly relative to the other asset categories. To the extent that alternative asset categories underperform the general stock market, the fund would perform poorly relative to a fund invested primarily in the general stock market.

### **Cash collateral risk**

To the extent a fund maintains cash collateral required to cover its obligations under the derivative instruments used in its risk management strategy, such collateral holdings may have the effect of reducing overall portfolio returns. In addition, because such collateral positions cannot be eliminated or reduced unless the corresponding derivative obligation is eliminated or reduced, a large derivative position may materially limit the subadvisor's flexibility in managing the fund.

### **Commodity risk**

Commodity investments involve the risk of volatile market price fluctuations of commodities resulting from fluctuating demand, supply disruption, speculation and other factors.

### **Credit and counterparty risk**

This is the risk that the issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter (OTC) derivatives contract (see "Hedging, derivatives, and other strategic transactions risk"), or a borrower of a fund's securities will be unable or unwilling to make timely principal, interest, or settlement payments, or otherwise honor its obligations. Credit risk associated with investments in fixed-income securities relates to the ability of the issuer to make scheduled payments of principal and interest on an obligation. A fund that invests in fixed-income securities is subject to varying degrees of risk that the issuers of the securities will have their credit ratings downgraded or will default, potentially reducing the fund's share price and income level. Nearly all fixed-income securities are subject to some credit risk, which may vary depending upon whether the issuers of the securities are corporations, domestic or foreign governments, or their subdivisions or instrumentalities. U.S. government securities are subject to varying degrees of credit risk depending upon whether the securities are supported by the full faith and credit of the United States; supported by the ability to borrow from the U.S. Treasury; supported only by the credit of the issuing U.S. government agency, instrumentality, or corporation; or otherwise supported by the United States. For example, issuers of many types of U.S. government securities (e.g., the Federal Home Loan Mortgage Corporation (Freddie Mac), Federal National Mortgage Association (Fannie Mae), and Federal Home Loan Banks), although chartered or sponsored by Congress, are not funded by congressional appropriations, and their fixed-income securities, including asset-backed and mortgage-backed securities, are neither guaranteed nor insured by the U.S. government. An agency of the U.S. government has placed Fannie Mae and Freddie Mac into conservatorship, a statutory process with the objective of returning the entities to normal business operations. It is unclear what effect this conservatorship will have on the securities issued or guaranteed by Fannie Mae or Freddie Mac. As a result, these securities are subject to more credit risk than U.S. government securities that are supported by the full faith and credit of the United States (e.g., U.S. Treasury bonds). When a fixed-income security is not rated, a manager may have to assess the risk of the security itself. Asset-backed securities, whose principal and interest payments are supported by pools of other assets, such as credit card receivables and automobile loans, are subject to further risks, including the risk that the obligors of the underlying assets default on payment of those assets.

In addition, a fund is exposed to credit risk to the extent that it makes use of OTC derivatives (such as forward foreign currency contracts and/or swap contracts) and engages to a significant extent in the lending of fund securities or the use of repurchase agreements. OTC derivatives transactions can be closed out with the other party to the transaction. If the counterparty defaults, a fund will have contractual remedies, but there is no assurance that the counterparty will be able to meet its contractual obligations or that, in the event of default, a fund will succeed in enforcing them. A fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those payments may be delayed or made only after the fund has incurred the costs of litigation. While the manager intends to monitor the creditworthiness of contract counterparties, there can be no assurance that the counterparty will be in a position to meet its obligations, especially during unusually adverse market conditions.

## **Cybersecurity and operational risk**

Intentional cybersecurity breaches include unauthorized access to systems, networks, or devices (such as through “hacking” activity); infection from computer viruses or other malicious software code; and attacks that shut down, disable, slow, or otherwise disrupt operations, business processes, or website access or functionality. In addition, unintentional incidents can occur, such as the inadvertent release of confidential information (possibly resulting in the violation of applicable privacy laws).

A cybersecurity breach could result in the loss or theft of customer data or funds, the inability to access electronic systems (“denial of services”), loss or theft of proprietary information or corporate data, physical damage to a computer or network system, or costs associated with system repairs. Such incidents could cause a fund, the advisor, a manager, or other service providers to incur regulatory penalties, reputational damage, additional compliance costs, litigation costs or financial loss. In addition, such incidents could affect issuers in which a fund invests, and thereby cause the fund’s investments to lose value.

Cyber-events have the potential to materially affect the fund and the advisor’s relationships with accounts, shareholders, clients, customers, employees, products, and service providers. The fund has established risk management systems reasonably designed to seek to reduce the risks associated with cyber-events. There is no guarantee that the fund will be able to prevent or mitigate the impact of any or all cyber-events.

The fund is exposed to operational risk arising from a number of factors, including, but not limited to, human error, processing and communication errors, errors of the fund’s service providers, counterparties, or other third parties, failed or inadequate processes and technology or system failures.

## **Economic and market events risk**

Events in certain sectors historically have resulted, and may in the future result, in an unusually high degree of volatility in the financial markets, both domestic and foreign. These events have included, but are not limited to: bankruptcies, corporate restructurings, and other events related to the sub-prime mortgage crisis in 2008; governmental efforts to limit short selling and high frequency trading; measures to address U.S. federal and state budget deficits; social, political, and economic instability in Europe; economic stimulus by the Japanese central bank; steep declines in oil prices; dramatic changes in currency exchange rates; and China’s economic slowdown. Interconnected global economies and financial markets increase the possibility that conditions in one country or region might adversely impact issuers in a different country or region. Both domestic and foreign equity markets have experienced increased volatility and turmoil, with issuers that have exposure to the real estate, mortgage, and credit markets particularly affected. Banks and financial services companies could suffer losses if interest rates continue to rise or economic conditions deteriorate.

In addition, relatively high market volatility and reduced liquidity in credit and fixed-income markets may adversely affect many issuers worldwide. Actions taken by the U.S. Federal Reserve (Fed) or foreign central banks to stimulate or stabilize economic growth, such as interventions in currency markets, could cause high volatility in the equity and fixed-income markets. Reduced liquidity may result in less money being available to purchase raw materials, goods, and services from emerging markets, which may, in turn, bring down the prices of these economic staples. It may also result in emerging-market issuers having more difficulty obtaining financing, which may, in turn, cause a decline in their securities prices.

In addition, while interest rates have been unusually low in recent years in the United States and abroad, any decision by the Fed to adjust the target fed funds rate, among other factors, could cause markets to experience continuing high volatility. A significant increase in interest rates may cause a decline in the market for equity securities. Also, regulators have expressed concern that rate increases may contribute to price volatility. These events and the possible resulting market volatility may have an adverse effect on the fund.

Political turmoil within the United States and abroad may also impact the fund. Although the U.S. government has honored its credit obligations, it remains possible that the United States could default on its obligations. While it is impossible to predict the consequences of such an unprecedented event, it is likely that a default by the United States would be highly disruptive to the U.S. and global securities markets and could significantly impair the value of the fund’s investments. Similarly, political events within the United States at times have resulted, and may in the future result, in a shutdown of government services, which could negatively affect the U.S. economy, decrease the value of many fund investments, and increase uncertainty in or impair the operation of the U.S. or other securities markets. The U.S. is also considering significant new investments in infrastructure and national defense which, coupled with lower federal taxes, could lead to increased government borrowing and higher interest rates. While these proposed policies are going through the political process, the equity and debt markets may react strongly to expectations, which could increase volatility, especially if the market’s expectations for changes in government policies are not borne out.

Uncertainties surrounding the sovereign debt of a number of European Union (EU) countries and the viability of the EU have disrupted and may in the future disrupt markets in the United States and around the world. If one or more countries leave the EU or the EU dissolves, the world’s securities markets likely will be significantly disrupted. In June 2016, the United Kingdom approved a referendum to leave the EU, commonly referred to as “Brexit.” There is significant market uncertainty regarding Brexit’s ramifications, and the range and potential implications of possible political, regulatory, economic, and market outcomes are difficult to predict. Political and military events, including in North Korea, Venezuela, Syria, and other areas of the Middle East, and nationalist unrest in Europe, also may cause market disruptions.

In addition, there is a risk that the prices of goods and services in the United States and many foreign economies may decline over time, known as deflation. Deflation may have an adverse effect on stock prices and creditworthiness and may make defaults on debt more likely. If a country’s economy slips into a deflationary pattern, it could last for a prolonged period and may be difficult to reverse.

## **Equity securities risk**

Common and preferred stocks represent equity ownership in a company. Stock markets are volatile. The price of equity securities will fluctuate, and can decline and reduce the value of a fund investing in equities. The price of equity securities fluctuates based on changes in a company’s financial condition and overall market and economic conditions. The value of equity securities purchased by a fund could decline if the financial condition of the companies in which the fund is invested declines, or if overall market and economic conditions deteriorate. An issuer’s financial condition could decline as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages,

corporate restructurings, fraudulent disclosures, or other factors. Changes in the financial condition of a single issuer can impact the market as a whole.

Even a fund that invests in high-quality, or blue chip, equity securities, or securities of established companies with large market capitalizations (which generally have strong financial characteristics), can be negatively impacted by poor overall market and economic conditions. Companies with large market capitalizations may also have less growth potential than smaller companies and may be less able to react quickly to changes in the marketplace.

The fund may maintain substantial exposure to equities and generally does not attempt to time the market. Because of this exposure, the possibility that stock market prices in general will decline over short or extended periods subjects the fund to unpredictable declines in the value of its investments, as well as periods of poor performance.

#### **Exchange-traded funds (ETFs) risk**

ETFs are a type of investment company bought and sold on a securities exchange. An ETF represents a fixed portfolio of securities designed to track a particular market index. A fund could purchase an ETF to temporarily gain exposure to a portion of the U.S. or a foreign market while awaiting purchase of underlying securities. The risks of owning an ETF generally reflect the risks of owning the underlying securities, although lack of liquidity in an ETF could result in it being more volatile than its underlying securities, and ETFs have management fees that increase their costs. An ETF's portfolio composition and performance may not match that of the index it is designed to track due to delays in the ETF's implementation of changes to the composition of the index and other factors. An ETF has its own fees and expenses, which are indirectly borne by the fund.

#### **Exchange-traded notes (ETNs) risk**

ETNs are a type of unsecured, unsubordinated debt security that have characteristics and risks similar to those of fixed-income securities and trade on a major exchange similar to shares of ETFs. This type of debt security differs, however, from other types of bonds and notes because ETN returns are based upon the performance of a market index minus applicable fees, no period coupon payments are distributed, and no principal protections exist. The purpose of ETNs is to create a type of security that combines the aspects of both bonds and ETFs. The value of an ETN may be influenced by time to maturity; level of supply and demand for the ETN; volatility and lack of liquidity in underlying commodities or securities markets; changes in the applicable interest rates; changes in the issuer's credit rating; and economic, legal, political, or geographic events that affect the referenced commodity or security. The fund's decision to sell its ETN holdings also may be limited by the availability of a secondary market. If the fund must sell some or all of its ETN holdings and the secondary market is weak, it may have to sell such holdings at a discount. If the fund holds its investment in an ETN until maturity, the issuer will give the fund a cash amount that would be equal to the principal amount (subject to the day's index factor). ETNs are also subject to counterparty credit risk and fixed-income risk.

#### **Fixed-income securities risk**

Fixed-income securities are generally subject to two principal types of risk, as well as other risks described below: (1) interest-rate risk and (2) credit quality risk.

**Interest-rate risk.** Fixed-income securities are affected by changes in interest rates. When interest rates decline, the market value of fixed-income securities generally can be expected to rise. Conversely, when interest rates rise, the market value of fixed-income securities generally can be expected to decline. The longer the duration or maturity of a fixed-income security, the more susceptible it is to interest-rate risk. Recent and potential future changes in government monetary policy may affect the level of interest rates.

**Credit quality risk.** Fixed-income securities are subject to the risk that the issuer of the security will not repay all or a portion of the principal borrowed and will not make all interest payments. If the credit quality of a fixed-income security deteriorates after a fund has purchased the security, the market value of the security may decrease and lead to a decrease in the value of the fund's investments. An issuer's credit quality could deteriorate as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages, corporate restructurings, fraudulent disclosures, or other factors. Funds that may invest in lower-rated fixed-income securities, commonly referred to as junk securities, are riskier than funds that may invest in higher-rated fixed-income securities. Additional information on the risks of investing in investment-grade fixed-income securities in the lowest rating category and lower-rated fixed-income securities is set forth below.

#### **Fund of funds risk**

The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives.

##### *Affiliated subadvised fund conflicts of interest risk*

The subadvisor may allocate the fund's assets without limit to underlying funds managed by the subadvisor and/or other affiliated subadvisors (affiliated subadvised funds). Accordingly, rebalancings of the assets of the fund present a conflict of interest because there is an incentive for the subadvisor to allocate assets to the subadvisor and other affiliated subadvised funds rather than underlying funds managed by unaffiliated subadvisors. In this regard, the subadvisor and other affiliated subadvisors of affiliated subadvised funds benefit from the subadvisor's allocations of fund assets to such funds through the additional subadvisory fees they earn on such allocated fund assets. The subadvisor has a duty to allocate assets only to underlying funds it has determined are in the best interests of shareholders, and make allocations to affiliated subadvised funds on this basis without regard to any such economic incentive. As part of its oversight of the funds and the subadvisors, the advisor will monitor to ensure that allocations are conducted in accordance with these principles.

#### *Multi-manager risk; limited universe of subadvisors and underlying funds*

The fund's ability to achieve its investment objective depends upon the subadvisor's skill in determining the fund's strategic allocation to investment strategies and in selecting the best mix of underlying funds. The allocation of investments among the different subadvisors managing underlying funds with different styles and asset classes, such as equity, debt, U.S., or foreign securities, may have a more significant effect on the performance of a fund of funds when one of these investments is performing more poorly than the other. There is no assurance that allocation decisions will result in the desired effects. Investment decisions made by the subadvisor may cause a fund of funds to incur losses or to miss profit opportunities on which it might otherwise have capitalized. Moreover, at times, the subadvisor may invest fund assets in underlying funds managed by a limited number of subadvisors. In such circumstances, the fund's performance could be substantially dependent on the performance of these subadvisors. Similarly, the subadvisor's allocation of a fund of fund's assets to a limited number of underlying funds may adversely affect the performance of the fund of funds, and, in such circumstances, it will be more sensitive to the performance and risks associated with those funds and any investments in which such underlying funds focus.

#### **Hedging, derivatives, and other strategic transactions risk**

The ability of a fund to utilize hedging, derivatives, and other strategic transactions to benefit the fund will depend in part on its manager's ability to predict pertinent market movements and market risk, counterparty risk, credit risk, interest-rate risk, and other risk factors, none of which can be assured. The skills required to utilize hedging and other strategic transactions are different from those needed to select a fund's securities. Even if the manager only uses hedging and other strategic transactions in a fund primarily for hedging purposes or to gain exposure to a particular securities market, if the transaction does not have the desired outcome, it could result in a significant loss to a fund. The amount of loss could be more than the principal amount invested. These transactions may also increase the volatility of a fund and may involve a small investment of cash relative to the magnitude of the risks assumed, thereby magnifying the impact of any resulting gain or loss. For example, the potential loss from the use of futures can exceed a fund's initial investment in such contracts. In addition, these transactions could result in a loss to a fund if the counterparty to the transaction does not perform as promised.

A fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates, or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates, and related indexes. A fund may use derivatives for many purposes, including for hedging and as a substitute for direct investment in securities or other assets. Derivatives may be used in a way to efficiently adjust the exposure of a fund to various securities, markets, and currencies without a fund actually having to sell existing investments and make new investments. This generally will be done when the adjustment is expected to be relatively temporary or in anticipation of effecting the sale of fund assets and making new investments over time. Further, since many derivatives have a leverage component, adverse changes in the value or level of the underlying asset, reference rate, or index can result in a loss substantially greater than the amount invested in the derivative itself. Certain derivatives have the potential for unlimited loss, regardless of the size of the initial investment. When a fund uses derivatives for leverage, investments in that fund will tend to be more volatile, resulting in larger gains or losses in response to market changes. To limit leverage risk, a fund may segregate assets determined to be liquid or, as permitted by applicable regulation, enter into certain offsetting positions to cover its obligations under derivative instruments. For a description of the various derivative instruments the fund may utilize, refer to the SAI.

The regulation of the U.S. and non-U.S. derivatives markets has undergone substantial change in recent years and such change may continue. In particular, the Dodd-Frank Wall Street Reform and Consumer Protection Act, and regulation proposed to be promulgated thereunder require many derivatives to be cleared and traded on an exchange, expand entity registration requirements, impose business conduct requirements on dealers that enter into swaps with a pension plan, endowment, retirement plan or government entity, and required banks to move some derivatives trading units to a non-guaranteed affiliate separate from the deposit-taking bank or divest them altogether. Although the Commodity Futures Trading Commission (CFTC) has released final rules relating to clearing, reporting, recordkeeping and registration requirements under the legislation, many of the provisions are subject to further final rule making, and thus its ultimate impact remains unclear. New regulations could, among other things, restrict the fund's ability to engage in derivatives transactions (for example, by making certain types of derivatives transactions no longer available to the fund) and/or increase the costs of such derivatives transactions (for example, by increasing margin or capital requirements), and the fund may be unable to fully execute its investment strategies as a result. Limits or restrictions applicable to the counterparties with which the fund engages in derivative transactions also could prevent the fund from using these instruments or affect the pricing or other factors relating to these instruments, or may change the availability of certain investments.

At any time after the date of this prospectus, legislation may be enacted that could negatively affect the assets of the fund. Legislation or regulation may change the way in which the fund itself is regulated. The advisor cannot predict the effects of any new governmental regulation that may be implemented, and there can be no assurance that any new governmental regulation will not adversely affect the fund's ability to achieve its investment objectives.

The use of derivative instruments may involve risks different from, or potentially greater than, the risks associated with investing directly in securities and other, more traditional assets. In particular, the use of derivative instruments exposes a fund to the risk that the counterparty to an OTC derivatives contract will be unable or unwilling to make timely settlement payments or otherwise honor its obligations. OTC derivatives transactions typically can only be closed out with the other party to the transaction, although either party may engage in an offsetting transaction that puts that party in the same economic position as if it had closed out the transaction with the counterparty or may obtain the other party's consent to assign the transaction to a third party. If the counterparty defaults, the fund will have contractual remedies, but there is no assurance that the counterparty will meet its contractual obligations or that, in the event of default, the fund will succeed in enforcing them. For example, because the contract for each OTC derivatives transaction is individually negotiated with a specific counterparty, a fund is subject to the risk that a counterparty may interpret contractual terms (e.g., the definition of default) differently than the fund when the fund seeks to enforce its contractual rights. If that occurs, the cost and unpredictability of the legal proceedings required for the fund to enforce its contractual rights may lead it to decide not to pursue its claims against the counterparty. The fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those



payments may be delayed or made only after the fund has incurred the costs of litigation. While a manager intends to monitor the creditworthiness of counterparties, there can be no assurance that a counterparty will meet its obligations, especially during unusually adverse market conditions. To the extent a fund contracts with a limited number of counterparties, the fund's risk will be concentrated and events that affect the creditworthiness of any of those counterparties may have a pronounced effect on the fund. Derivatives are also subject to a number of other risks, including market risk and liquidity risk. Since the value of derivatives is calculated and derived from the value of other assets, instruments, or references, there is a risk that they will be improperly valued. Derivatives also involve the risk that changes in their value may not correlate perfectly with the assets, rates, or indexes they are designed to hedge or closely track. Suitable derivatives transactions may not be available in all circumstances. The fund is also subject to the risk that the counterparty closes out the derivatives transactions upon the occurrence of certain triggering events. In addition, a manager may determine not to use derivatives to hedge or otherwise reduce risk exposure. Government legislation or regulation could affect the use of derivatives transactions and could limit a fund's ability to pursue its investment strategies.

A detailed discussion of various hedging and other strategic transactions appears in the SAI. The following is a list of certain derivatives and other strategic transactions that the fund intends to utilize and the main risks associated with each of them:

**Credit default swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving credit default swaps.

**Foreign currency forward contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), foreign currency risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving foreign currency forward contracts.

**Futures contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving futures contracts.

**Interest-rate swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving interest-rate swaps.

**Options.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving options. Counterparty risk does not apply to exchange-traded options.

**Swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

### Hedging risk

There may be imperfect or even negative correlation between the price of the futures contracts and the price of the underlying securities. For example, futures contracts may not provide an effective hedge because changes in futures contract prices may not track those of the underlying securities or indexes they are intended to hedge. In addition, there are significant differences between the securities and futures markets that could result in an imperfect correlation between the markets, causing a given hedge not to achieve its objectives. The degree of imperfection of correlation depends on circumstances such as variations in speculative market demand for futures, including technical influences in futures trading, and differences between the financial instruments being hedged and the instruments underlying the standard contracts available for trading. A decision as to whether, when and how to hedge involves the exercise of skill and judgment, and even a well-conceived hedge may be unsuccessful to some degree because of market behavior or unexpected interest rate trends. In addition, the fund's investment in exchange-traded futures as a result of the risk management strategy could limit the upside participation of the fund in strong, rising markets with high volatility and could underperform funds that do not use a risk management strategy.

### Investment company securities risk

A fund may invest in securities of other investment companies. The total return on such investments will be reduced by the operating expenses and fees of such other investment companies, including advisory fees. Investments in closed-end funds may involve the payment of substantial premiums above the value of such investment companies' portfolio securities.

### JHVIT Lifestyle Portfolios asset transfer risk

The Lifestyle Balanced Portfolio, Lifestyle Conservative Portfolio, Lifestyle Growth Portfolio, and Lifestyle Moderate Portfolio (the "JHVIT Lifestyle Portfolios") are offered in connection with specific guaranteed benefits under variable annuity contracts (the "Contracts") issued by John Hancock Life Insurance Company (U.S.A.) and John Hancock Life Insurance Company of New York (collectively, the "John Hancock Issuers").

The Contracts provide that the John Hancock Issuers can automatically transfer contract value between each JHVIT Lifestyle Portfolio and the Select Bond Trust through a non-discretionary, systematic mathematical process. The purpose of these transfers is to attempt to protect contract value from declines due to market volatility, and thereby limit the John Hancock Issuers' exposure to risk under the guaranteed benefits under the Contracts. The timing and amount of any transfer of contract value under the John Hancock Issuers' process will depend on several factors including market movements. In general, the higher the equity component of a JHVIT Lifestyle Portfolio, the more likely that contract value will be reallocated from a JHVIT Lifestyle Portfolio to the Select Bond Trust when equity markets fall. These asset flows may negatively affect the performance of an underlying fund in which a JHVIT Lifestyle Portfolio invests by increasing the underlying fund's transaction costs and causing it to purchase or sell securities when it would not normally do so. It could be particularly disadvantageous for the underlying fund if it experiences outflows and needs to sell securities at a time of volatility in the markets, when values could be falling. Because the JHVIT Lifestyle Portfolios bear their proportionate share of the transaction costs of the underlying funds, increased underlying fund expenses may indirectly negatively affect the performance of the JHVIT Lifestyle Portfolios.

### Leverage

Certain of the risk management techniques that would be used in the new strategy may involve indirect leverage. While these techniques would be intended to reduce downside exposure, in some cases leverage may magnify losses.

### **Liquidity risk**

The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Funds with principal investment strategies that involve investments in securities of companies with smaller market capitalizations, foreign securities, derivatives, or securities with substantial market and/or credit risk tend to have the greatest exposure to liquidity risk. Exposure to liquidity risk may be heightened for funds that invest in securities of emerging markets and related derivatives that are not widely traded, and that may be subject to purchase and sale restrictions.

The capacity of traditional dealers to engage in fixed-income trading has not kept pace with the bond market's growth. As a result, dealer inventories of corporate bonds, which indicate the ability to "make markets," i.e., buy or sell a security at the quoted bid and ask price, respectively, are at or near historic lows relative to market size. Because market makers provide stability to fixed-income markets, the significant reduction in dealer inventories could lead to decreased liquidity and increased volatility, which may become exacerbated during periods of economic or political stress.

### **Quantitative modeling risk**

Use of quantitative models carries the risk that the fund may underperform funds that do not utilize such models. The use of quantitative models may affect the fund's exposure to certain sectors or types of investments and may impact the fund's relative investment performance depending on whether such sectors or investments are in or out of favor in the market. Successful application of a quantitative model is dependent on the subadvisor's skill in building and implementing the model. For example, human judgment plays a role in building, utilizing, testing, modifying, and implementing the financial algorithms and formulas used in these models. Quantitative models are subject to technical issues including programming and data inaccuracies, are based on assumptions, and rely on data that is subject to limitations (e.g., inaccuracies, staleness), any of which could adversely affect their effectiveness or predictive value. Quantitative models may not accurately predict future market movements or characteristics due to the fact that market performance can be affected by non-quantitative factors that are not easily integrated into quantitative analysis, among other factors.

### **Risk management strategies may not be successful, may limit upside potential or may permit or result in losses**

The purpose of the risk management strategies is to attempt to limit the fund's exposure to more volatile asset classes during periods of high volatility and attempt to reduce the fund's losses during market declines; however, there is no assurance that these strategies will be successful, and these risk management strategies could limit the upside participation of the fund in rising markets or even result in losses in rising markets. The application of risk management techniques can be complex, and misjudgments in implementation may result in under or over allocations to equity, fixed income and/or cash and cash equivalent exposure.

### **Short positions**

In taking a short position, a fund seeks to profit from an anticipated decline in the value of a security or index of securities. If the security or index instead appreciates in value, the fund will incur losses by having to pay to close out its position at a higher price than the price it received to open that position. Unlike losses from declines in long positions in stocks or other securities (which may not exceed the original amount invested), the losses a fund may incur to close out a short position if the underlying security or index increases in value are potentially unlimited.

### **Swaps**

Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

### **Target allocation risk**

When a fund has a greater allocation to equity securities, it will be less conservative and have more equity securities risk exposure. These risks are explained under "Equity securities risk." The risks associated with fixed-income and short-term fixed-income securities are explained under "Fixed-income securities risk," "Interest-rate risk," "Credit and counterparty risk," and "Lower-rated fixed-income securities risk and high yield securities risk."

### **Use of index futures**

While the use of index futures may involve a small investment of cash, the losses to a fund could exceed the amount invested, and in certain cases even the total value of the fund's assets, due to the embedded leverage provided by the derivative. Index futures may also result in a loss to the fund if the counterparty to the transaction does not perform.

## **Additional information about the funds' principal risks**

The principal risks of investing in each fund are summarized in its Fund summary above. Below are descriptions of the main factors that may play a role in shaping a fund's overall risk profile. The risk descriptions appear in alphabetical order and not in order of importance. For further details about fund risks, including additional risk factors that are not discussed in this prospectus because they are not considered primary factors, see the funds' Statement of Additional Information (SAI).

An investment in a fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. A fund's shares will go up and down in price, meaning that you could lose money by investing in the fund. Many factors influence a mutual fund's performance. A fund's investment strategy may not produce the intended results.

Instability in the financial markets has led many governments, including the United States government, to take a number of unprecedented actions designed to support certain financial institutions and segments of the financial markets that have experienced extreme volatility and, in some cases, a lack of liquidity. Federal, state, and other governments, and their regulatory agencies or self-regulatory organizations, may take actions that affect the regulation of the instruments in which a fund invests, or the issuers of such instruments, in ways that are unforeseeable. Legislation or regulation may

also change the way in which each fund itself is regulated. Such legislation or regulation could limit or preclude each fund's ability to achieve its investment objective. In addition, political events within the United States and abroad could negatively impact financial markets and each fund's performance. Further, certain municipalities of the United States and its territories are financially strained and may face the possibility of default on their debt obligations, which could directly or indirectly detract from each fund's performance.

Governments or their agencies may acquire distressed assets from financial institutions and acquire ownership interests in those institutions. The implications of government ownership and disposition of these assets are unclear, and such a program may have positive or negative effects on the liquidity, valuation and performance of each fund's portfolio holdings. Furthermore, volatile financial markets can expose each fund to greater market and liquidity risk and potential difficulty in valuing portfolio instruments.

#### **Asset allocation risk**

Although asset allocation among different asset categories generally limits risk and exposure to any one category, the risk remains that a manager may favor an asset category that performs poorly relative to the other asset categories. To the extent that alternative asset categories underperform the general stock market, the fund would perform poorly relative to a fund invested primarily in the general stock market.

#### **Changing distribution levels risk**

The distribution amounts paid by the fund generally depend on the amount of income and/or dividends paid by the fund's investments. As a result of market, interest rate and other circumstances, the amount of cash available for distribution by the fund and the fund's distribution rate may vary or decline. The risk of such variability is accentuated in currently prevailing market and interest rate circumstances.

#### **Concentration risk**

When a fund's investments are concentrated in a particular industry or sector of the economy, they are not as diversified as the investments of most funds and are far less diversified than the broad securities markets. This means that concentrated funds tend to be more volatile than other funds, and the values of their investments tend to go up and down more rapidly. In addition, a fund that invests in a particular industry or sector is particularly susceptible to the impact of market, economic, regulatory, and other factors affecting that industry or sector. From time to time, a small number of companies may represent a large portion of a single industry or a group of related industries as a whole.

#### **Consumer discretionary risk**

The consumer discretionary sector may be affected by fluctuations in supply and demand, and may also be adversely affected by changes in consumer spending as a result of world events, political and economic conditions, commodity price volatility, changes in exchange rates, imposition of import controls, increased competition, depletion of resources, and labor relations.

#### **Convertible securities risk**

Convertible securities generally offer lower interest or dividend yields than nonconvertible fixed-income securities of similar credit quality because of the potential for capital appreciation. The market values of convertible securities tend to decline as interest rates increase and, conversely, to increase as interest rates decline. However, a convertible security's market value also tends to reflect the market price of common stock of the issuing company, particularly when that stock price is greater than the convertible security's conversion price. The conversion price is defined as the predetermined price or exchange ratio at which the convertible security can be converted or exchanged for the underlying common stock. As the market price of the underlying common stock declines below the conversion price, the price of the convertible security tends to be increasingly influenced by the yield of the convertible security. Thus, it may not decline in price to the same extent as the underlying common stock. In the event of a liquidation of the issuing company, convertible securities generally entail less risk than the company's common stock.

#### **Credit and counterparty risk**

This is the risk that the issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter (OTC) derivatives contract (see "Hedging, derivatives, and other strategic transactions risk"), or a borrower of a fund's securities will be unable or unwilling to make timely principal, interest, or settlement payments, or otherwise honor its obligations. Credit risk associated with investments in fixed-income securities relates to the ability of the issuer to make scheduled payments of principal and interest on an obligation. A fund that invests in fixed-income securities is subject to varying degrees of risk that the issuers of the securities will have their credit ratings downgraded or will default, potentially reducing the fund's share price and income level. Nearly all fixed-income securities are subject to some credit risk, which may vary depending upon whether the issuers of the securities are corporations, domestic or foreign governments, or their subdivisions or instrumentalities. U.S. government securities are subject to varying degrees of credit risk depending upon whether the securities are supported by the full faith and credit of the United States; supported by the ability to borrow from the U.S. Treasury; supported only by the credit of the issuing U.S. government agency, instrumentality, or corporation; or otherwise supported by the United States. For example, issuers of many types of U.S. government securities (e.g., the Federal Home Loan Mortgage Corporation (Freddie Mac), Federal National Mortgage Association (Fannie Mae), and Federal Home Loan Banks), although chartered or sponsored by Congress, are not funded by congressional appropriations, and their fixed-income securities, including asset-backed and mortgage-backed securities, are neither guaranteed nor insured by the U.S. government. An agency of the U.S. government has placed Fannie Mae and Freddie Mac into conservatorship, a statutory process with the objective of returning the entities to normal business operations. It is unclear what effect this conservatorship will have on the securities issued or guaranteed by Fannie Mae or Freddie Mac. As a result, these securities are subject to more credit risk than U.S. government securities that are supported by the full faith and credit of the United States (e.g., U.S. Treasury bonds). When a fixed-income security is not rated, a manager may have to assess the risk of the security itself. Asset-backed securities, whose principal and interest payments are supported by pools of other assets, such as credit card receivables and automobile loans, are subject to further risks, including the risk that the obligors of the underlying assets default on payment of those assets.

Funds that invest in below-investment-grade securities, also called junk bonds (e.g., fixed-income securities rated Ba or lower by Moody's Investors Service, Inc. or BB or lower by Standard & Poor's Ratings Services, at the time of investment, or determined by a manager to be of comparable quality

to securities so rated) are subject to increased credit risk. The sovereign debt of many foreign governments, including their subdivisions and instrumentalities, falls into this category. Below-investment-grade securities offer the potential for higher investment returns than higher-rated securities, but they carry greater credit risk: their issuers' continuing ability to meet principal and interest payments is considered speculative, they are more susceptible to real or perceived adverse economic and competitive industry conditions, and they may be less liquid than higher-rated securities.

In addition, a fund is exposed to credit risk to the extent that it makes use of OTC derivatives (such as forward foreign currency contracts and/or swap contracts) and engages to a significant extent in the lending of fund securities or the use of repurchase agreements. OTC derivatives transactions can be closed out with the other party to the transaction. If the counterparty defaults, a fund will have contractual remedies, but there is no assurance that the counterparty will be able to meet its contractual obligations or that, in the event of default, a fund will succeed in enforcing them. A fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those payments may be delayed or made only after the fund has incurred the costs of litigation. While the manager intends to monitor the creditworthiness of contract counterparties, there can be no assurance that the counterparty will be in a position to meet its obligations, especially during unusually adverse market conditions.

### **Cybersecurity and operational risk**

Intentional cybersecurity breaches include unauthorized access to systems, networks, or devices (such as through "hacking" activity); infection from computer viruses or other malicious software code; and attacks that shut down, disable, slow, or otherwise disrupt operations, business processes, or website access or functionality. In addition, unintentional incidents can occur, such as the inadvertent release of confidential information (possibly resulting in the violation of applicable privacy laws).

A cybersecurity breach could result in the loss or theft of customer data or funds, the inability to access electronic systems ("denial of services"), loss or theft of proprietary information or corporate data, physical damage to a computer or network system, or costs associated with system repairs. Such incidents could cause a fund, the advisor, a manager, or other service providers to incur regulatory penalties, reputational damage, additional compliance costs, litigation costs or financial loss. In addition, such incidents could affect issuers in which a fund invests, and thereby cause the fund's investments to lose value.

Cyber-events have the potential to materially affect the fund and the advisor's relationships with accounts, shareholders, clients, customers, employees, products, and service providers. The fund has established risk management systems reasonably designed to seek to reduce the risks associated with cyber-events. There is no guarantee that the fund will be able to prevent or mitigate the impact of any or all cyber-events.

The fund is exposed to operational risk arising from a number of factors, including, but not limited to, human error, processing and communication errors, errors of the fund's service providers, counterparties, or other third parties, failed or inadequate processes and technology or system failures.

### **Defaulted debt risk**

Investing in defaulted debt securities is speculative and involves substantial risks in addition to the risks of investing in high-yield securities that have not defaulted. The fund generally will not receive interest payments on defaulted debt securities, and there is a substantial risk that principal will not be repaid. A fund investing in defaulted debt securities may incur additional expenses to the extent that it is required to seek recovery upon a default in the payment of principal or interest on the securities. In any reorganization or liquidation proceeding relating to defaulted debt, a fund may lose its entire investment in such securities or may be required to accept cash or securities with a value lower than the fund's original investment. Defaulted debt securities and any securities received in exchange for defaulted debt securities may be subject to restrictions on resale.

### **Economic and market events risk**

Events in certain sectors historically have resulted, and may in the future result, in an unusually high degree of volatility in the financial markets, both domestic and foreign. These events have included, but are not limited to: bankruptcies, corporate restructurings, and other events related to the sub-prime mortgage crisis in 2008; governmental efforts to limit short selling and high frequency trading; measures to address U.S. federal and state budget deficits; social, political, and economic instability in Europe; economic stimulus by the Japanese central bank; steep declines in oil prices; dramatic changes in currency exchange rates; and China's economic slowdown. Interconnected global economies and financial markets increase the possibility that conditions in one country or region might adversely impact issuers in a different country or region. Both domestic and foreign equity markets have experienced increased volatility and turmoil, with issuers that have exposure to the real estate, mortgage, and credit markets particularly affected. Banks and financial services companies could suffer losses if interest rates continue to rise or economic conditions deteriorate.

In addition, relatively high market volatility and reduced liquidity in credit and fixed-income markets may adversely affect many issuers worldwide. Actions taken by the U.S. Federal Reserve (Fed) or foreign central banks to stimulate or stabilize economic growth, such as interventions in currency markets, could cause high volatility in the equity and fixed-income markets. Reduced liquidity may result in less money being available to purchase raw materials, goods, and services from emerging markets, which may, in turn, bring down the prices of these economic staples. It may also result in emerging-market issuers having more difficulty obtaining financing, which may, in turn, cause a decline in their securities prices.

In addition, while interest rates have been unusually low in recent years in the United States and abroad, any decision by the Fed to adjust the target fed funds rate, among other factors, could cause markets to experience continuing high volatility. A significant increase in interest rates may cause a decline in the market for equity securities. Also, regulators have expressed concern that rate increases may contribute to price volatility. These events and the possible resulting market volatility may have an adverse effect on the fund.

Political turmoil within the United States and abroad may also impact the fund. Although the U.S. government has honored its credit obligations, it remains possible that the United States could default on its obligations. While it is impossible to predict the consequences of such an unprecedented event, it is likely that a default by the United States would be highly disruptive to the U.S. and global securities markets and could significantly impair the value of the fund's investments. Similarly, political events within the United States at times have resulted, and may in the future result, in a shutdown of government services, which could negatively affect the U.S. economy, decrease the value of many fund investments, and increase

uncertainty in or impair the operation of the U.S. or other securities markets. The U.S. is also considering significant new investments in infrastructure and national defense which, coupled with lower federal taxes, could lead to increased government borrowing and higher interest rates. While these proposed policies are going through the political process, the equity and debt markets may react strongly to expectations, which could increase volatility, especially if the market's expectations for changes in government policies are not borne out.

Uncertainties surrounding the sovereign debt of a number of European Union (EU) countries and the viability of the EU have disrupted and may in the future disrupt markets in the United States and around the world. If one or more countries leave the EU or the EU dissolves, the world's securities markets likely will be significantly disrupted. In June 2016, the United Kingdom approved a referendum to leave the EU, commonly referred to as "Brexit." There is significant market uncertainty regarding Brexit's ramifications, and the range and potential implications of possible political, regulatory, economic, and market outcomes are difficult to predict. Political and military events, including in North Korea, Venezuela, Syria, and other areas of the Middle East, and nationalist unrest in Europe, also may cause market disruptions.

In addition, there is a risk that the prices of goods and services in the United States and many foreign economies may decline over time, known as deflation. Deflation may have an adverse effect on stock prices and creditworthiness and may make defaults on debt more likely. If a country's economy slips into a deflationary pattern, it could last for a prolonged period and may be difficult to reverse.

### **Equity securities risk**

Common and preferred stocks represent equity ownership in a company. Stock markets are volatile. The price of equity securities will fluctuate, and can decline and reduce the value of a fund investing in equities. The price of equity securities fluctuates based on changes in a company's financial condition and overall market and economic conditions. The value of equity securities purchased by a fund could decline if the financial condition of the companies in which the fund is invested declines, or if overall market and economic conditions deteriorate. An issuer's financial condition could decline as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages, corporate restructurings, fraudulent disclosures, or other factors. Changes in the financial condition of a single issuer can impact the market as a whole.

Even a fund that invests in high-quality, or blue chip, equity securities, or securities of established companies with large market capitalizations (which generally have strong financial characteristics), can be negatively impacted by poor overall market and economic conditions. Companies with large market capitalizations may also have less growth potential than smaller companies and may be less able to react quickly to changes in the marketplace.

The fund may maintain substantial exposure to equities and generally does not attempt to time the market. Because of this exposure, the possibility that stock market prices in general will decline over short or extended periods subjects the fund to unpredictable declines in the value of its investments, as well as periods of poor performance.

**Growth investing risk.** Certain equity securities (generally referred to as growth securities) are purchased primarily because a manager believes that these securities will experience relatively rapid earnings growth. Growth securities typically trade at higher multiples of current earnings than other securities. Growth securities are often more sensitive to market fluctuations than other securities because their market prices are highly sensitive to future earnings expectations. At times when it appears that these expectations may not be met, growth stock prices typically fall.

**Value investing risk.** Certain equity securities (generally referred to as value securities) are purchased primarily because they are selling at prices below what the manager believes to be their fundamental value and not necessarily because the issuing companies are expected to experience significant earnings growth. The fund bears the risk that the companies that issued these securities may not overcome the adverse business developments or other factors causing their securities to be perceived by the manager to be underpriced or that the market may never come to recognize their fundamental value. A value stock may not increase in price, as anticipated by the manager investing in such securities, if other investors fail to recognize the company's value and bid up the price or invest in markets favoring faster growing companies. The fund's strategy of investing in value stocks also carries the risk that in certain markets, value stocks will underperform growth stocks. In addition, securities issued by U.S. entities with substantial foreign operations may involve risks relating to economic, political or regulatory conditions in foreign countries.

### **Exchange-traded funds (ETFs) risk**

ETFs are a type of investment company bought and sold on a securities exchange. An ETF represents a fixed portfolio of securities designed to track a particular market index. A fund could purchase an ETF to temporarily gain exposure to a portion of the U.S. or a foreign market while awaiting purchase of underlying securities. The risks of owning an ETF generally reflect the risks of owning the underlying securities, although lack of liquidity in an ETF could result in it being more volatile than its underlying securities, and ETFs have management fees that increase their costs. An ETF's portfolio composition and performance may not match that of the index it is designed to track due to delays in the ETF's implementation of changes to the composition of the index and other factors. An ETF has its own fees and expenses, which are indirectly borne by the fund.

### **Financial services sector risk**

A fund investing principally in securities of companies in the financial services sector is particularly vulnerable to events affecting that sector. Companies in the financial services sector may include, but are not limited to, commercial and industrial banks, savings and loan associations and their holding companies, consumer and industrial finance companies, diversified financial services companies, investment banking, securities brokerage and investment advisory companies, leasing companies, and insurance companies. The types of companies that compose the financial services sector may change over time. These companies are all subject to extensive regulation, rapid business changes, volatile performance dependent upon the availability and cost of capital, prevailing interest rates, and significant competition. General economic conditions significantly affect these companies. Credit and other losses resulting from the financial difficulty of borrowers or other third parties have a potentially adverse effect on companies in this sector. Investment banking, securities brokerage, and investment advisory companies are particularly subject to government regulation and the risks inherent in securities trading and underwriting activities. In addition, certain financial services companies face shrinking profit margins due to new competitors, the cost of new technology, and the pressure to compete globally.

## Fixed-income securities risk

Fixed-income securities are generally subject to two principal types of risk, as well as other risks described below: (1) interest-rate risk and (2) credit quality risk.

**Interest-rate risk.** Fixed-income securities are affected by changes in interest rates. When interest rates decline, the market value of fixed-income securities generally can be expected to rise. Conversely, when interest rates rise, the market value of fixed-income securities generally can be expected to decline. The longer the duration or maturity of a fixed-income security, the more susceptible it is to interest-rate risk. Recent and potential future changes in government monetary policy may affect the level of interest rates.

**Credit quality risk.** Fixed-income securities are subject to the risk that the issuer of the security will not repay all or a portion of the principal borrowed and will not make all interest payments. If the credit quality of a fixed-income security deteriorates after a fund has purchased the security, the market value of the security may decrease and lead to a decrease in the value of the fund's investments. An issuer's credit quality could deteriorate as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages, corporate restructurings, fraudulent disclosures, or other factors. Funds that may invest in lower-rated fixed-income securities, commonly referred to as junk securities, are riskier than funds that may invest in higher-rated fixed-income securities. Additional information on the risks of investing in investment-grade fixed-income securities in the lowest rating category and lower-rated fixed-income securities is set forth below.

**Investment-grade fixed-income securities in the lowest rating category risk.** Investment-grade fixed-income securities in the lowest rating category (such as Baa by Moody's Investors Service, Inc. or BBB by Standard & Poor's Ratings Services and comparable unrated securities) involve a higher degree of risk than fixed-income securities in the higher rating categories. While such securities are considered investment-grade quality and are deemed to have adequate capacity for payment of principal and interest, such securities lack outstanding investment characteristics and have speculative characteristics as well. For example, changes in economic conditions or other circumstances are more likely to lead to a weakened capacity to make principal and interest payments than is the case with higher-grade securities.

**Prepayment of principal risk.** Many types of debt securities, including floating-rate loans, are subject to prepayment risk. Prepayment risk occurs when the issuer of a security can repay principal prior to the security's maturity. Securities subject to prepayment risk can offer less potential for gains when the credit quality of the issuer improves.

## Foreign securities risk

Funds that invest in securities traded principally in securities markets outside the United States are subject to additional and more varied risks, as the value of foreign securities may change more rapidly and extremely than the value of U.S. securities. Less information may be publicly available regarding foreign issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The securities markets of many foreign countries are relatively small, with a limited number of companies representing a small number of industries. Additionally, issuers of foreign securities may not be subject to the same degree of regulation as U.S. issuers. Reporting, accounting, and auditing standards of foreign countries differ, in some cases significantly, from U.S. standards. There are generally higher commission rates on foreign portfolio transactions, transfer taxes, higher custodial costs, and the possibility that foreign taxes will be charged on dividends and interest payable on foreign securities, some or all of which may not be reclaimable. Also, adverse changes in investment or exchange control regulations (which may include suspension of the ability to transfer currency or assets from a country); political changes; or diplomatic developments could adversely affect a fund's investments. In the event of nationalization, expropriation, confiscatory taxation, or other confiscation, the fund could lose a substantial portion of, or its entire investment in, a foreign security. Some of the foreign securities risks are also applicable to funds that invest a material portion of their assets in securities of foreign issuers traded in the United States.

Depository receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depository receipt is dependent upon the market price of the underlying foreign equity security. Depository receipts are also subject to liquidity risk.

**Currency risk.** Currency risk is the risk that fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund's investments. Currency risk includes both the risk that currencies in which a fund's investments are traded, or currencies in which a fund has taken an active investment position, will decline in value relative to the U.S. dollar and, in the case of hedging positions, that the U.S. dollar will decline in value relative to the currency being hedged. Currency rates in foreign countries may fluctuate significantly for a number of reasons, including the forces of supply and demand in the foreign exchange markets, actual or perceived changes in interest rates, intervention (or the failure to intervene) by U.S. or foreign governments or central banks, or currency controls or political developments in the United States or abroad. Certain funds may engage in proxy hedging of currencies by entering into derivative transactions with respect to a currency whose value is expected to correlate to the value of a currency the fund owns or wants to own. This presents the risk that the two currencies may not move in relation to one another as expected. In that case, the fund could lose money on its investment and also lose money on the position designed to act as a proxy hedge. Certain funds may also take active currency positions and may cross-hedge currency exposure represented by their securities into another foreign currency. This may result in a fund's currency exposure being substantially different than that suggested by its securities investments. All funds with foreign currency holdings and/or that invest or trade in securities denominated in foreign currencies or related derivative instruments may be adversely affected by changes in foreign currency exchange rates. Derivative foreign currency transactions (such as futures, forwards, and swaps) may also involve leveraging risk, in addition to currency risk. Leverage may disproportionately increase a fund's portfolio losses and reduce opportunities for gain when interest rates, stock prices, or currency rates are changing.

**Emerging-market risk.** Investments in the securities of issuers based in countries with emerging-market economies are subject to greater levels of foreign investment risk than investments in more-developed foreign markets, since emerging-market securities may present market, credit, currency, liquidity, legal, political, and other risks greater than, or in addition to, the risks of investing in developed foreign countries. These risks include high currency exchange-rate fluctuations; increased risk of default (including both government and private issuers); greater social, economic, and political uncertainty and instability (including the risk of war); more substantial governmental involvement in the economy; less governmental supervision and regulation of the securities markets and participants in those markets; controls on foreign investment and limitations on repatriation of invested

capital and on a fund's ability to exchange local currencies for U.S. dollars; unavailability of currency hedging techniques in certain emerging-market countries; the fact that companies in emerging-market countries may be newly organized, smaller, and less seasoned; the difference in, or lack of, auditing and financial reporting standards, which may result in the unavailability of material information about issuers; different clearance and settlement procedures, which may be unable to keep pace with the volume of securities transactions or otherwise make it difficult to engage in such transactions; difficulties in obtaining and/or enforcing legal judgments in foreign jurisdictions; and significantly smaller market capitalizations of emerging-market issuers.

**Frontier-market risk.** Frontier-market countries generally have smaller economies and less-developed capital markets or legal, regulatory, and political systems than traditional emerging-market countries. As a result, the risks of investing in emerging-market countries are magnified in frontier-market countries. Potential circumstances that may result in magnified risks in frontier-market countries include (i) extreme price volatility and illiquidity, (ii) government ownership or control of parts of the private sector or other protectionist measures, (iii) large currency fluctuations, (iv) limited investment opportunities, and (v) inadequate investor protections and regulatory enforcement. In certain frontier-market countries, fraud and corruption may be more prevalent than in developed-market countries.

**Greater China risk.** Although they are larger and/or more established than many emerging markets, the markets of the Greater China region function in many ways as emerging markets, and carry the high levels of risks associated with emerging markets. In addition, there are risks particular to the region. For example, investments in Taiwan could be adversely affected by its political relationship with China. The attitude of the Chinese government toward growth and capitalism is uncertain, and the markets of Hong Kong and China could be hurt significantly by any government interference or any material change in government policy. For example, a government may restrict investment in companies or industries considered important to national interests, or intervene in the financial markets, such as by imposing trading restrictions, or banning or curtailing short selling. A small number of companies and industries represent a relatively large portion of the Greater China market as a whole. All of these factors mean that the fund is more likely to experience higher volatility and lower liquidity than a portfolio that invests mainly in U.S. stocks.

**Hong Kong Stock Connect Program (Stock Connect) risk.** China A-Shares listed and traded on certain Chinese stock exchanges through Stock Connect, a mutual market access program designed to, among other things, enable foreign investment in the People's Republic of China (PRC) via brokers in Hong Kong, are subject to a number of restrictions imposed by Chinese securities regulations and local exchange listing rules. Because Stock Connect was established in November 2014, developments are likely, which may restrict or otherwise affect the fund's investments or returns. Furthermore, any changes in laws, regulations and policies of the China A-Shares market or rules in relation to Stock Connect may affect China A-Share prices. These risks are heightened by the underdeveloped state of the PRC's investment and banking systems in general.

#### **Geographic focus risk**

The fund's performance will be closely tied to the market, currency, political, economic, regulatory, geopolitical, and other conditions in the countries and regions in which the fund's assets are invested. These conditions include anticipated or actual government budget deficits or other financial difficulties, levels of inflation and unemployment, fiscal and monetary controls, and political and social instability in such countries and regions. To the extent the fund focuses its investments in a single country, a small number of countries, or a particular geographic region, its performance may be driven largely by country or region performance and could fluctuate more widely than if the fund were more geographically diversified.

#### **Healthcare sector risk**

Health sciences industries may be affected by product obsolescence, thin capitalization, limited product lines, markets, and financial resources, or personnel challenges and legislative or regulatory activities affecting the healthcare sector, such as approval policies for drugs, medical devices, or procedures, and changes in governmental and private payment systems and product liabilities.

#### **Hedging, derivatives, and other strategic transactions risk**

The ability of a fund to utilize hedging, derivatives, and other strategic transactions to benefit the fund will depend in part on its manager's ability to predict pertinent market movements and market risk, counterparty risk, credit risk, interest-rate risk, and other risk factors, none of which can be assured. The skills required to utilize hedging and other strategic transactions are different from those needed to select a fund's securities. Even if the manager only uses hedging and other strategic transactions in a fund primarily for hedging purposes or to gain exposure to a particular securities market, if the transaction does not have the desired outcome, it could result in a significant loss to a fund. The amount of loss could be more than the principal amount invested. These transactions may also increase the volatility of a fund and may involve a small investment of cash relative to the magnitude of the risks assumed, thereby magnifying the impact of any resulting gain or loss. For example, the potential loss from the use of futures can exceed a fund's initial investment in such contracts. In addition, these transactions could result in a loss to a fund if the counterparty to the transaction does not perform as promised.

A fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates, or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates, and related indexes. A fund may use derivatives for many purposes, including for hedging and as a substitute for direct investment in securities or other assets. Derivatives may be used in a way to efficiently adjust the exposure of a fund to various securities, markets, and currencies without a fund actually having to sell existing investments and make new investments. This generally will be done when the adjustment is expected to be relatively temporary or in anticipation of effecting the sale of fund assets and making new investments over time. Further, since many derivatives have a leverage component, adverse changes in the value or level of the underlying asset, reference rate, or index can result in a loss substantially greater than the amount invested in the derivative itself. Certain derivatives have the potential for unlimited loss, regardless of the size of the initial investment. When a fund uses derivatives for leverage, investments in that fund will tend to be more volatile, resulting in larger gains or losses in response to market changes. To limit leverage risk, a fund may segregate assets determined to be liquid or, as permitted by applicable regulation, enter into certain offsetting positions to cover its obligations under derivative instruments. For a description of the various derivative instruments the fund may utilize, refer to the SAI.

The regulation of the U.S. and non-U.S. derivatives markets has undergone substantial change in recent years and such change may continue. In particular, the Dodd-Frank Wall Street Reform and Consumer Protection Act, and regulation proposed to be promulgated thereunder require many

derivatives to be cleared and traded on an exchange, expand entity registration requirements, impose business conduct requirements on dealers that enter into swaps with a pension plan, endowment, retirement plan or government entity, and required banks to move some derivatives trading units to a non-guaranteed affiliate separate from the deposit-taking bank or divest them altogether. Although the Commodity Futures Trading Commission (CFTC) has released final rules relating to clearing, reporting, recordkeeping and registration requirements under the legislation, many of the provisions are subject to further final rule making, and thus its ultimate impact remains unclear. New regulations could, among other things, restrict the fund's ability to engage in derivatives transactions (for example, by making certain types of derivatives transactions no longer available to the fund) and/or increase the costs of such derivatives transactions (for example, by increasing margin or capital requirements), and the fund may be unable to fully execute its investment strategies as a result. Limits or restrictions applicable to the counterparties with which the fund engages in derivative transactions also could prevent the fund from using these instruments or affect the pricing or other factors relating to these instruments, or may change the availability of certain investments.

At any time after the date of this prospectus, legislation may be enacted that could negatively affect the assets of the fund. Legislation or regulation may change the way in which the fund itself is regulated. The advisor cannot predict the effects of any new governmental regulation that may be implemented, and there can be no assurance that any new governmental regulation will not adversely affect the fund's ability to achieve its investment objectives.

The use of derivative instruments may involve risks different from, or potentially greater than, the risks associated with investing directly in securities and other, more traditional assets. In particular, the use of derivative instruments exposes a fund to the risk that the counterparty to an OTC derivatives contract will be unable or unwilling to make timely settlement payments or otherwise honor its obligations. OTC derivatives transactions typically can only be closed out with the other party to the transaction, although either party may engage in an offsetting transaction that puts that party in the same economic position as if it had closed out the transaction with the counterparty or may obtain the other party's consent to assign the transaction to a third party. If the counterparty defaults, the fund will have contractual remedies, but there is no assurance that the counterparty will meet its contractual obligations or that, in the event of default, the fund will succeed in enforcing them. For example, because the contract for each OTC derivatives transaction is individually negotiated with a specific counterparty, a fund is subject to the risk that a counterparty may interpret contractual terms (e.g., the definition of default) differently than the fund when the fund seeks to enforce its contractual rights. If that occurs, the cost and unpredictability of the legal proceedings required for the fund to enforce its contractual rights may lead it to decide not to pursue its claims against the counterparty. The fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those payments may be delayed or made only after the fund has incurred the costs of litigation. While a manager intends to monitor the creditworthiness of counterparties, there can be no assurance that a counterparty will meet its obligations, especially during unusually adverse market conditions. To the extent a fund contracts with a limited number of counterparties, the fund's risk will be concentrated and events that affect the creditworthiness of any of those counterparties may have a pronounced effect on the fund. Derivatives are also subject to a number of other risks, including market risk and liquidity risk. Since the value of derivatives is calculated and derived from the value of other assets, instruments, or references, there is a risk that they will be improperly valued. Derivatives also involve the risk that changes in their value may not correlate perfectly with the assets, rates, or indexes they are designed to hedge or closely track. Suitable derivatives transactions may not be available in all circumstances. The fund is also subject to the risk that the counterparty closes out the derivatives transactions upon the occurrence of certain triggering events. In addition, a manager may determine not to use derivatives to hedge or otherwise reduce risk exposure. Government legislation or regulation could affect the use of derivatives transactions and could limit a fund's ability to pursue its investment strategies.

A detailed discussion of various hedging and other strategic transactions appears in the SAI. The following is a list of certain derivatives and other strategic transactions that the fund intends to utilize and the main risks associated with each of them:

**Credit default swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving credit default swaps.

**Depository Receipts.** Depository receipts are subject to most of the risks associated with investing in foreign and emerging market securities directly because the value of a depository receipt is dependent upon the market price of the underlying foreign equity security. Depository receipts are also subject to liquidity risk.

**Equity-linked notes** are subject to risks similar to those related to investing in the underlying securities. An equitylinked note is dependent on the individual credit of the note's issuer. Equity-linked notes often are privately placed and may not be rated. The secondary market for equity-linked notes may be limited.

**Foreign currency forward contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), foreign currency risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving foreign currency forward contracts.

**Foreign currency swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), foreign currency risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving foreign currency swaps.

**Futures contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving futures contracts.

**Interest-rate swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving interest-rate swaps.

**Inverse floating-rate securities.** Liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, issuer risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving inverse floating-rate securities.

**Options.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving options. Counterparty risk does not apply to exchange-traded options.

**Options on futures.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving options on futures. Counterparty risk does not apply to exchange-traded options.



**Reverse repurchase agreements.** An event of default or insolvency of the counterparty to a reverse repurchase agreement could result in delays or restrictions with respect to the fund's ability to dispose of the underlying securities. A reverse repurchase agreement may be considered a form of leverage and may, therefore, increase fluctuations in the fund's net asset value per share (NAV).

**Swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving swaps.

**Swaptions.** Risks associated with swaptions include liquidity risk (i.e., the inability to enter into closing transactions), risk of default of the underlying reference obligation, risk of disproportionate loss, and counterparty and interest-rate risk.

**Total return swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), market risk, interest-rate risk, settlement risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in total return swaps.

### **High portfolio turnover risk**

A high fund portfolio turnover rate (over 100%) generally involves correspondingly greater brokerage commission and tax expenses, which must be borne directly by a fund and its shareholders, respectively. The portfolio turnover rate of a fund may vary from year to year, as well as within a year.

### **Illiquid and restricted securities risk**

Certain securities are considered illiquid or restricted due to a limited trading market, legal or contractual restrictions on resale or transfer, or are otherwise illiquid because they cannot be sold or disposed of in seven calendar days or less without the sale or disposition significantly changing the market value of the investment. Securities that have limitations on their resale are referred to as "restricted securities." Certain restricted securities that are eligible for resale to qualified institutional purchasers may not be regarded as illiquid. Illiquid and restricted securities may be difficult to value and may involve greater risks than liquid securities. Market quotations for such securities may be volatile and/or subject to large spreads between bid and ask price. Illiquidity may have an adverse impact on market price and the fund's ability to sell particular securities when necessary to meet the fund's liquidity needs or in response to a specific economic event. The fund may incur additional expense when disposing of illiquid or restricted securities, including all or a portion of the cost to register the securities.

### **Hybrid instrument risk**

The risks of investing in hybrid instruments are a combination of the risks of investing in securities, options, futures and currencies. Therefore, an investment in a hybrid instrument may include significant risks not associated with a similar investment in a traditional debt instrument. The risks of a particular hybrid instrument will depend upon the terms of the instrument, but may include, without limitation, the possibility of significant changes in the benchmark for the hybrid instrument or the prices of underlying assets to which the instrument is linked. These risks generally depend upon factors unrelated to the operations or credit quality of the issuer of the hybrid instrument and that may not be readily foreseen by the purchaser. Such factors include economic and political events, the supply and demand for the underlying assets, and interest rate movements. In recent years, various benchmarks and prices for underlying assets have been highly volatile, and such volatility may be expected in the future. Hybrid instruments may bear interest or pay preferred dividends at below-market (or even relatively nominal) rates. Hybrid instruments may also carry liquidity risk since the instruments are often "customized" to meet the needs of a particular investor. Therefore, the number of investors that would be willing and able to buy such instruments in the secondary market may be smaller than for more traditional debt securities.

### **Income stock risk**

Income provided by the fund may be affected by changes in the dividend policies of the companies in which the fund invests and the capital resources available for such payments at such companies.

### **Index management risk**

Certain factors may cause a fund that is an index fund to track its target index less closely. For example, a subadvisor may select securities that are not fully representative of the index, and the fund's transaction expenses and the size and timing of its cash flows, may result in the fund's performance being different than that of its index. Moreover, the fund will generally reflect the performance of its target index even when the index does not perform well.

### **Industrials sector risk**

Companies in the industrials sector may be affected by general economic conditions, commodity production and pricing, supply and demand fluctuations, environmental and other government regulations, geopolitical events, interest rates, insurance costs, technological developments, liabilities arising from governmental or civil actions, labor relations, import controls and government spending. The value of securities issued by companies in the industrials sector may also be adversely affected by supply and demand related to their specific products or services and industrials sector products in general, as well as liability for environmental damage and product liability claims and government regulations. For example, the products of manufacturing companies may face obsolescence due to rapid technological developments and frequent new product introduction. Certain companies within this sector, particularly aerospace and defense companies, may be heavily affected by government spending policies because companies involved in this industry rely, to a significant extent, on government demand for their products and services. In addition, securities of industrials companies in transportation may be cyclical and have occasional sharp price movements which may result from economic changes, fuel prices, labor relations and insurance costs, and transportation companies in certain countries may also be subject to significant government regulation and oversight, which may adversely affect their businesses.

### **Information technology risk**

The information technology sector can be significantly affected by rapid obsolescence of existing technology, short product cycles, falling prices and profits, competition from new market entrants, government regulation and general economic conditions. Investments in the technology sector may be

susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data.

### **Initial public offerings (IPOs) risk**

Certain funds may invest a portion of their assets in shares of IPOs. IPOs may have a magnified impact on the performance of a fund with a small asset base. The impact of IPOs on a fund's performance will likely decrease as the fund's asset size increases, which could reduce the fund's returns. IPOs may not be consistently available to a fund for investing, particularly as the fund's asset base grows. IPO shares are frequently volatile in price due to the absence of a prior public market, the small number of shares available for trading, and limited information about the issuer. Therefore, a fund may hold IPO shares for a very short period of time. This may increase the turnover of a fund and may lead to increased expenses for a fund, such as commissions and transaction costs. In addition, IPO shares can experience an immediate drop in value if the demand for the securities does not continue to support the offering price.

### **Investment company securities risk**

A fund may invest in securities of other investment companies. The total return on such investments will be reduced by the operating expenses and fees of such other investment companies, including advisory fees. Investments in closed-end funds may involve the payment of substantial premiums above the value of such investment companies' portfolio securities.

### **Large company risk**

Larger, more established companies may be unable to respond quickly to new competitive challenges such as changes in technology and consumer tastes. Many larger companies also may not be able to attain the high growth rate of successful smaller companies, especially during extended periods of economic expansion. For purposes of the fund's investment policies, the market capitalization of a company is based on its capitalization at the time the fund purchases the company's securities. Market capitalizations of companies change over time. The fund is not obligated to sell a company's security simply because, subsequent to its purchase, the company's market capitalization has changed to be outside the capitalization range, if any, in effect for the fund.

### **Liquidity risk**

The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Funds with principal investment strategies that involve investments in securities of companies with smaller market capitalizations, foreign securities, derivatives, or securities with substantial market and/or credit risk tend to have the greatest exposure to liquidity risk. Exposure to liquidity risk may be heightened for funds that invest in securities of emerging markets and related derivatives that are not widely traded, and that may be subject to purchase and sale restrictions.

The capacity of traditional dealers to engage in fixed-income trading has not kept pace with the bond market's growth. As a result, dealer inventories of corporate bonds, which indicate the ability to "make markets," i.e., buy or sell a security at the quoted bid and ask price, respectively, are at or near historic lows relative to market size. Because market makers provide stability to fixed-income markets, the significant reduction in dealer inventories could lead to decreased liquidity and increased volatility, which may become exacerbated during periods of economic or political stress.

### **Money Market Trust Only**

A fund is exposed to liquidity risk when reduced trading volume, a relative lack of market makers, or legal restrictions impair the fund's ability to sell its portfolio securities at an advantageous market price. While the fund endeavors to maintain a high level of liquidity in its portfolio, its ability to sell portfolio securities can deteriorate rapidly due to a lack of willing buyers, a reduced number of traditional market participants, the reduced capacity of traditional market participants to make a market in fixed-income securities, or general market conditions.

In addition, liquidity risk may be magnified in a rising interest rate environment in which investor redemptions from money market funds may be higher than normal. The selling of fixed-income securities to satisfy fund shareholder redemptions may result in an increased supply of such securities during periods of reduced investor demand, thereby impairing the fund's ability to sell such securities. The inability to sell portfolio securities or the need to sell such securities under unfavorable market conditions may adversely affect the fund's ability to maintain a stable \$1.00 share price.

### **Loan participations risk**

A fund's ability to receive payments of principal and interest and other amounts in connection with loans (whether through participations, assignments, or otherwise) will depend primarily on the financial condition of the borrower. The failure by a fund to receive scheduled interest or principal payments on a loan or a loan participation, because of a default, bankruptcy, or any other reason, would adversely affect the income of the fund and would likely reduce the value of its assets. Transactions in loan investments may take a significant amount of time (i.e., seven days or longer) to settle. This could pose a liquidity risk to the fund and, if the fund's exposure to such investments is substantial, could impair the fund's ability to meet shareholder redemptions in a timely manner. Investments in loan participations and assignments present the possibility that a fund could be held liable as a co-lender under emerging legal theories of lender liability. Even with secured loans, there is no assurance that the collateral securing the loan will be sufficient to protect a fund against losses in value or a decline in income in the event of a borrower's nonpayment of principal or interest, and in the event of a bankruptcy of a borrower, the fund could experience delays or limitations in its ability to realize the benefits of any collateral securing the loan. Unless, under the terms of the loan or other indebtedness, a fund has direct recourse against the corporate borrower, the fund may have to rely on the agent bank or other financial intermediary to apply appropriate credit remedies against a corporate borrower. Furthermore, the value of any such collateral may decline and may be difficult to liquidate. The amount of public information available with respect to loans may be less extensive than that available for registered or exchange-listed securities. Because a significant percent of loans and loan participations are not generally rated by independent credit rating agencies, a decision by a fund to invest in a particular loan or loan participation could depend exclusively on the manager's credit analysis of the borrower, and in the case of a loan participation, the intermediary. A fund may have limited rights to enforce the terms of an underlying loan.

It is unclear whether U.S. federal securities laws afford protections against fraud and misrepresentation, as well as market manipulation, to investments in loans and other forms of direct indebtedness under certain circumstances. In the absence of definitive regulatory guidance, a fund relies on the manager's research in an attempt to avoid situations where fraud, misrepresentation, or market manipulation could adversely affect the fund.

A fund also may be in possession of material non-public information about a borrower as a result of owning a floating-rate instrument issued by such borrower. Because of prohibitions on trading in securities of issuers while in possession of such information, a fund might be unable to enter into a transaction in a publicly traded security issued by that borrower when it would otherwise be advantageous to do so.

#### **Lower-rated and high-yield fixed-income securities risk**

Lower-rated fixed-income securities are defined as securities rated below investment grade (such as Ba and below by Moody's Investors Service, Inc. and BB and below by Standard & Poor's Ratings Services) (also called junk bonds). The general risks of investing in these securities are as follows:

**Risk to principal and income.** Investing in lower-rated fixed-income securities is considered speculative. While these securities generally provide greater income potential than investments in higher-rated securities, there is a greater risk that principal and interest payments will not be made. Issuers of these securities may even go into default or become bankrupt.

**Price volatility.** The price of lower-rated fixed-income securities may be more volatile than securities in the higher-rated categories. This volatility may increase during periods of economic uncertainty or change. The price of these securities is affected more than higher-rated fixed-income securities by the market's perception of their credit quality, especially during times of adverse publicity. In the past, economic downturns or increases in interest rates have, at times, caused more defaults by issuers of these securities and may do so in the future. Economic downturns and increases in interest rates have an even greater effect on highly leveraged issuers of these securities.

**Liquidity.** The market for lower-rated fixed-income securities may have more limited trading than the market for investment-grade fixed-income securities. Therefore, it may be more difficult to sell these securities, and these securities may have to be sold at prices below their market value in order to meet redemption requests or to respond to changes in market conditions.

**Dependence on manager's own credit analysis.** While a manager may rely on ratings by established credit rating agencies, it will also supplement such ratings with its own independent review of the credit quality of the issuer. Therefore, the assessment of the credit risk of lower-rated fixed-income securities is more dependent on the manager's evaluation than the assessment of the credit risk of higher-rated securities.

**Additional risks regarding lower-rated corporate fixed-income securities.** Lower-rated corporate fixed-income securities (and comparable unrated securities) tend to be more sensitive to individual corporate developments and changes in economic conditions than higher-rated corporate fixed-income securities. Issuers of lower-rated corporate fixed-income securities may also be highly leveraged, increasing the risk that principal and income will not be repaid.

**Additional risks regarding lower-rated foreign government fixed-income securities.** Lower-rated foreign government fixed-income securities are subject to the risks of investing in foreign countries described under "Foreign securities risk." In addition, the ability and willingness of a foreign government to make payments on debt when due may be affected by the prevailing economic and political conditions within the country. Emerging-market countries may experience high inflation, interest rates, and unemployment, as well as exchange-rate fluctuations which adversely affect trade and political uncertainty or instability. These factors increase the risk that a foreign government will not make payments when due.

#### **Master limited partnership (MLP) risk**

Investing in MLPs involves certain risks related to investing in the underlying assets of MLPs and risks associated with pooled investment vehicles. MLPs holding credit-related investments are subject to interest-rate risk and the risk of default on payment obligations by debt securities. In addition, investments in the debt and securities of MLPs involve certain other risks, including risks related to limited control and limited rights to vote on matters affecting MLPs, risks related to potential conflicts of interest between an MLP and the MLP's general partner, cash flow risks, dilution risks and risks related to the general partner's right to require unit-holders to sell their common units at an undesirable time or price. The fund's investments in MLPs may be subject to legal and other restrictions on resale or may be less liquid than publicly traded securities. Certain MLP securities may trade in lower volumes due to their smaller capitalizations, and may be subject to more abrupt or erratic price movements and may lack sufficient market liquidity to enable the fund to effect sales at an advantageous time or without a substantial drop in price. If the fund is one of the largest investors in an MLP, it may be more difficult for the fund to buy and sell significant amounts of such investments without an unfavorable impact on prevailing market prices. Larger purchases or sales of MLP investments by the fund in a short period of time may cause abnormal movements in the market price of these investments. As a result, these investments may be difficult to dispose of at an advantageous price when the fund desires to do so. During periods of interest rate volatility, these investments may not provide attractive returns, which may adversely impact the overall performance of the fund. MLPs in which the fund may invest operate oil, natural gas, petroleum, or other facilities within the energy sector. As a result, the fund will be susceptible to adverse economic, environmental, or regulatory occurrences impacting the energy sector.

#### **Mortgage-backed and asset-backed securities risk**

**Mortgage-backed securities.** Mortgage-backed securities represent participating interests in pools of residential mortgage loans, which are guaranteed by the U.S. government, its agencies, or its instrumentalities. However, the guarantee of these types of securities relates to the principal and interest payments, and not to the market value of such securities. In addition, the guarantee only relates to the mortgage-backed securities held by the fund and not the purchase of shares of the fund.

Mortgage-backed securities are issued by lenders, such as mortgage bankers, commercial banks, and savings and loan associations. Such securities differ from conventional debt securities, which provide for the periodic payment of interest in fixed amounts (usually semiannually) with principal payments at maturity or on specified dates. Mortgage-backed securities provide periodic payments which are, in effect, a pass-through of the interest and principal payments (including any prepayments) made by the individual borrowers on the pooled mortgage loans. A mortgage-backed

security will mature when all the mortgages in the pool mature or are prepaid. Therefore, mortgage-backed securities do not have a fixed maturity and their expected maturities may vary when interest rates rise or fall.

When interest rates fall, homeowners are more likely to prepay their mortgage loans. An increased rate of prepayments on the fund's mortgage-backed securities will result in an unforeseen loss of interest income to the fund as the fund may be required to reinvest assets at a lower interest rate. Because prepayments increase when interest rates fall, the prices of mortgage-backed securities do not increase as much as other fixed-income securities when interest rates fall.

When interest rates rise, homeowners are less likely to prepay their mortgage loans. A decreased rate of prepayments lengthens the expected maturity of a mortgage-backed security. Therefore, the prices of mortgage-backed securities may decrease more than prices of other fixed-income securities when interest rates rise.

The yield of mortgage-backed securities is based on the average life of the underlying pool of mortgage loans. The actual life of any particular pool may be shortened by unscheduled or early payments of principal and interest. Principal prepayments may result from the sale of the underlying property or the refinancing or foreclosure of underlying mortgages. The occurrence of prepayments is affected by a wide range of economic, demographic, and social factors and, accordingly, it is not possible to accurately predict the average life of a particular pool. The actual prepayment experience of a pool of mortgage loans may cause the yield realized by the fund to differ from the yield calculated on the basis of the average life of the pool. In addition, if the fund purchases mortgage-backed securities at a premium, the premium may be lost in the event of early prepayment, which may result in a loss to the fund.

Prepayments tend to increase during periods of falling interest rates, while during periods of rising interest rates, prepayments are likely to decline. Monthly interest payments received by a fund have a compounding effect, which will increase the yield to shareholders as compared to debt obligations that pay interest semiannually. Because of the reinvestment of prepayments of principal at current rates, mortgage-backed securities may be less effective than U.S. Treasury bonds of similar maturity at maintaining yields during periods of declining interest rates. Also, although the value of debt securities may increase as interest rates decline, the value of these pass-through types of securities may not increase as much, due to their prepayment feature.

**Collateralized mortgage obligations (CMOs).** A fund may invest in mortgage-backed securities called CMOs. CMOs are issued in separate classes with different stated maturities. As the mortgage pool experiences prepayments, the pool pays off investors in classes with shorter maturities first. By investing in CMOs, a fund may manage the prepayment risk of mortgage-backed securities. However, prepayments may cause the actual maturity of a CMO to be substantially shorter than its stated maturity.

**Asset-backed securities.** Asset-backed securities include interests in pools of debt securities, commercial or consumer loans, or other receivables. The value of these securities depends on many factors, including changes in interest rates, the availability of information concerning the pool and its structure, the credit quality of the underlying assets, the market's perception of the servicer of the pool, and any credit enhancement provided. In addition, asset-backed securities have prepayment risks similar to mortgage-backed securities.

**Inverse interest-only securities** Inverse interest-only securities that are mortgage-backed securities are subject to the same risks as other mortgage-backed securities. In addition, the coupon on an inverse interest-only security can be extremely sensitive to changes in prevailing interest rates.

**TBA mortgage contracts** TBA mortgage contracts involve a risk of loss if the value of the underlying security to be purchased declines prior to delivery date. The yield obtained for such securities may be higher or lower than yields available in the market on delivery date.

### **Non-diversified risk**

Overall risk can be reduced by investing in securities from a diversified pool of issuers, while overall risk is increased by investing in securities of a small number of issuers. If a fund is not diversified within the meaning of the Investment Company Act of 1940, that means it is allowed to invest a large portion of assets in any one issuer or a small number of issuers, which may result in greater susceptibility to associated risks. As a result, credit, market, and other risks associated with a non-diversified fund's investment strategies or techniques may be more pronounced than for funds that are diversified.

### **Preferred and convertible securities risk**

Unlike interest on debt securities, preferred stock dividends are payable only if declared by the issuer's board. Also, preferred stock may be subject to optional or mandatory redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. The value of convertible preferred stock can depend heavily upon the value of the security into which such convertible preferred stock is converted, depending on whether the market price of the underlying security exceeds the conversion price.

### **Privately held and newly public companies risk**

Investments in the stocks of privately held companies and newly public companies involve greater risks than investments in stocks of companies that have traded publicly on an exchange for extended time periods. Investments in such companies are less liquid and may be difficult to value. There may be significantly less information available about these companies' business models, quality of management, earnings growth potential, and other criteria used to evaluate their investment prospects. The extent (if at all) to which securities of privately held companies or newly public companies may be sold without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Funds with principal investment strategies that involve investments in securities of privately held companies tend to have a greater exposure to liquidity risk than funds that do not invest in securities of privately held companies.

### **Quantitative modeling risk**

Use of quantitative models carries the risk that the fund may underperform funds that do not utilize such models. The use of quantitative models may affect the fund's exposure to certain sectors or types of investments and may impact the fund's relative investment performance depending on

whether such sectors or investments are in or out of favor in the market. Successful application of a quantitative model is dependent on the subadvisor's skill in building and implementing the model. For example, human judgment plays a role in building, utilizing, testing, modifying, and implementing the financial algorithms and formulas used in these models. Quantitative models are subject to technical issues including programming and data inaccuracies, are based on assumptions, and rely on data that is subject to limitations (e.g., inaccuracies, staleness), any of which could adversely affect their effectiveness or predictive value. Quantitative models may not accurately predict future market movements or characteristics due to the fact that market performance can be affected by non-quantitative factors that are not easily integrated into quantitative analysis, among other factors.

### **Real estate investment trust (REIT) risk**

REITs are subject to risks associated with the ownership of real estate. Some REITs experience market risk and liquidity risk due to investment in a limited number of properties, in a narrow geographic area, or in a single property type, which increases the risk that such REIT could be unfavorably affected by the poor performance of a single investment or investment type. These companies are also sensitive to factors such as changes in real estate values and property taxes, interest rates, cash flow of underlying real estate assets, supply and demand, and the management skill and creditworthiness of the issuer. Borrowers could default on or sell investments that a REIT holds, which could reduce the cash flow needed to make distributions to investors. In addition, REITs may also be affected by tax and regulatory requirements impacting the REITs' ability to qualify for preferential tax treatments or exemptions. REITs require specialized management and pay management expenses. REITs also are subject to physical risks to real property, including weather, natural disasters, terrorist attacks, war, or other events that destroy real property.

REITs include equity REITs and mortgage REITs. Equity REITs may be affected by changes in the value of the underlying property owned by the trusts, while mortgage REITs may be affected by the quality of any credit extended. Further, equity and mortgage REITs are dependent upon management skills and generally may not be diversified. Equity and mortgage REITs are also subject to heavy cash flow dependency, defaults by borrowers, and self-liquidations. In addition, equity and mortgage REITs could possibly fail to qualify for tax-free pass-through of income under the Internal Revenue Code of 1986, as amended (the Code), or to maintain their exemptions from registration under the Investment Company Act of 1940 (1940 Act). The above factors may also adversely affect a borrower's or a lessee's ability to meet its obligations to the REIT. In the event of a default by a borrower or lessee, the REIT may experience delays in enforcing its rights as a mortgagee or lessor and may incur substantial costs associated with protecting its investments. In addition, even many of the larger REITs in the industry tend to be small to medium-sized companies in relation to the equity markets as a whole. Moreover, shares of REITs may trade less frequently and, therefore, are subject to more erratic price movements than securities of larger issuers.

### **Real estate securities risk**

Investing in securities of companies in the real estate industry subjects a fund to the risks associated with the direct ownership of real estate. These risks include:

- Declines in the value of real estate
- Risks related to general and local economic conditions
- Possible lack of availability of mortgage funds
- Overbuilding
- Extended vacancies of properties
- Increased competition
- Increases in property taxes and operating expenses
- Changes in zoning laws
- Losses due to costs resulting from the cleanup of environmental problems
- Liability to third parties for damages resulting from environmental problems
- Casualty or condemnation losses
- Limitations on rents
- Changes in neighborhood values and the appeal of properties to tenants
- Changes in interest rates and
- Liquidity risk

Therefore, for a fund investing a substantial amount of its assets in securities of companies in the real estate industry, the value of the fund's shares may change at different rates compared with the value of shares of a fund with investments in a mix of different industries.

Securities of companies in the real estate industry include equity REITs and mortgage REITs. Equity REITs may be affected by changes in the value of the underlying property owned by the REIT, while mortgage REITs may be affected by the quality of any credit extended. Further, equity and mortgage REITs are dependent upon management skills and generally may not be diversified. Equity and mortgage REITs are also subject to heavy cash flow dependency, defaults by borrowers, and self-liquidations. In addition, equity and mortgage REITs could possibly fail to qualify for tax-free pass through of income under the Internal Revenue Code of 1986 (the Code) or to maintain their exemptions from registration under the 1940 Act. The above factors may also adversely affect a borrower's or a lessee's ability to meet its obligations to a REIT. In the event of a default by a borrower or lessee, a REIT may experience delays in enforcing its rights as a mortgagee or lessor and may incur substantial costs associated with protecting its investments.

In addition, even the larger REITs in the industry tend to be small to medium-sized companies in relation to the equity markets as a whole. Moreover, shares of REITs may trade less frequently and, therefore, are subject to more erratic price movements than securities of larger issuers.

**Redemption risk**

Money Market Trust may experience periods of heavy redemptions that could cause the fund to liquidate its assets at inopportune times or at a loss or depressed value, particularly during periods of declining or illiquid markets, and that could affect the fund's ability to maintain a \$1.00 share price. Redemption risk is greater to the extent that the fund has investors with large shareholdings, short investment horizons or unpredictable cash flow needs. The redemption by one or more large shareholders of their holdings in the fund could cause the remaining shareholders in the fund to lose money. In addition, the fund may suspend redemptions and liquidate the fund when permitted by applicable regulations.

**S&P 500 Index risk**

An investment in the fund involves risks similar to the risks of investing directly in the equity securities included in the S&P 500 Index.

**Sector risk**

When a fund's investments are focused in one or more sectors of the economy, they are not as diversified as the investments of most funds and are far less diversified than the broad securities markets. This means that focused funds tend to be more volatile than other funds, and the values of their investments tend to go up and down more rapidly. In addition, a fund which invests in particular sectors is particularly susceptible to the impact of market, economic, regulatory, and other factors affecting those sectors. From time to time, a small number of companies may represent a large portion of a particular sector or sectors.

*Banking.* Commercial banks (including "money center" regional and community banks), savings and loan associations and holding companies of the foregoing are especially subject to adverse effects of volatile interest rates, concentrations of loans in particular industries (such as real estate or energy) and significant competition. The profitability of these businesses is to a significant degree dependent upon the availability and cost of capital funds. Banks, thrifts and their holding companies are especially subject to the adverse effects of economic recession. Economic conditions in the real estate market may have a particularly strong effect on certain banks and savings associations. Commercial banks and savings associations are subject to extensive federal and, in many instances, state regulation. Neither such extensive regulation nor the federal insurance of deposits ensures the solvency or profitability of companies in this industry, and there is no assurance against losses in securities issued by such companies.

*Financial Services Sector.* To the extent that a fund invests in securities of companies in the financial services sector, the fund may be significantly affected by economic, market, and business developments, borrowing costs, interest-rate fluctuations, competition, and government regulation, among other factors, impacting that sector. Companies in the financial services sector may include, but are not limited to, commercial and industrial banks, savings and loan associations and their holding companies, consumer and industrial finance companies, diversified financial services companies, investment banking, securities brokerage and investment advisory companies, leasing companies and insurance companies. The types of companies that comprise the financial services sector may change over time.

These companies compete with banks and thrifts to provide traditional financial service products, in addition to their traditional services, such as brokerage and investment advice. In addition, certain financial service companies face shrinking profit margins due to new competitors, the cost of new technology and the pressure to compete globally.

*Health Sciences.* Companies in this sector are subject to the additional risks of increased competition within the health care industry, changes in legislation or government regulations, reductions in government funding, the uncertainty of governmental approval of a particular product, product liability or other litigation, patent expirations and the obsolescence of popular products. The prices of the securities of health sciences companies may fluctuate widely due to government regulation and approval of their products and services, which may have a significant effect on their price and availability. In addition, the types of products or services produced or provided by these companies may quickly become obsolete. Moreover, liability for products that are later alleged to be harmful or unsafe may be substantial and may have a significant impact on a company's market value or share price.

*Insurance Companies.* Insurance companies are engaged in underwriting, selling, distributing or placing of property and casualty, life or health insurance. Insurance company profits are affected by many factors, including interest rate movements, the imposition of premium rate caps, competition and pressure to compete globally. Property and casualty insurance profits may also be affected by weather catastrophes and other disasters. Already extensively regulated, insurance companies' profits may also be adversely affected by increased government regulations or tax law changes. Insurance companies are particularly subject to government regulation and rate setting, potential anti-trust and tax law changes, and industry-wide pricing and competition cycles. Property and casualty insurance companies may also be affected by weather and other catastrophes. Life and health insurance companies may be affected by mortality and morbidity rates, including the effects of epidemics. Individual insurance companies may be exposed to reserve inadequacies, problems in investment portfolios (for example, due to real estate or "junk" bond holdings) and failures of reinsurance carriers.

*Materials.* Issuers in the materials sector could be adversely affected by commodity price volatility, exchange rates, import controls and increased competition. Production of industrial materials often exceeds demand as a result of over-building or economic downturns, leading to poor investment returns. Issuers in the materials sector are at risk for environmental damage and product liability claims and may be adversely affected by depletion of resources, technical progress, labor relations and government regulations.

*Metals.* The specific political and economic risks affecting the price of metals include changes in U.S. or foreign tax, currency or mining laws, increased environmental costs, international monetary and political policies, economic conditions within an individual country, trade imbalances, and trade or currency restrictions between countries. The prices of metals, in turn, are likely to affect the market prices of securities of companies mining or processing metals, and accordingly, the value of investments in such securities may also be affected. Metal-related investments as a group have not performed as well as the stock market in general during periods when the U.S. dollar is strong, inflation is low and general economic conditions are stable. In addition, returns on metal-related investments have traditionally been more volatile than investments in broader equity or debt markets.

*Other Financial Services Companies.* Many of the investment considerations discussed in connection with banks and insurance companies also apply to financial services companies. These companies are all subject to extensive regulation, rapid business changes, volatile performance dependent upon the availability and cost of capital and prevailing interest rates and significant competition. General economic conditions significantly affect these companies. Credit and other losses resulting from the financial difficulty of borrowers or other third parties have a potentially adverse effect on companies in this sector. Investment banking, securities brokerage and investment advisory companies are particularly subject to government regulation and the risks inherent in securities trading and underwriting activities.

*Technology companies.* A fund investing in technology companies, including companies engaged in Internet-related activities, is subject to the risk of short product cycles and rapid obsolescence of products and services and competition from new and existing companies. Investments in the technology sector may be susceptible to heightened risk of cybersecurity breaches, which may allow an unauthorized party to gain access to personally identifiable information and other customer data. The realization of any one of these risks may result in significant earnings loss and price volatility. Some technology companies also have limited operating histories and are subject to the risks of a small or unseasoned company described under "Small and mid-sized company risk."

*Telecommunications.* Companies in the telecommunications sector are subject to the additional risks of rapid obsolescence, lack of standardization or compatibility with existing technologies, an unfavorable regulatory environment and a dependency on patent and copyright protection. The prices of the securities of companies in the telecommunications sector may fluctuate widely due to both federal and state regulations governing rates of return and services that may be offered, fierce competition for market share, and competitive challenges in the U.S. from foreign competitors engaged in strategic joint ventures with U.S. companies and in foreign markets from both U.S. and foreign competitors. In addition, recent industry consolidation trends may lead to increased regulation of telecommunications companies in their primary markets.

*Utilities.* Issuers in the utilities sector are subject to many risks, including the following: increases in fuel and other operating costs; restrictions on operations; increased costs and delays as a result of environmental and safety regulations; coping with the impact of energy conservation and other factors reducing the demand for services; technological innovations that may render existing plants, equipment or products obsolete; the potential impact of natural or man-made disasters; difficulty in obtaining adequate returns on invested capital; difficulty in obtaining approval for rate increases; the high cost of obtaining financing, particularly during periods of inflation; increased competition resulting from deregulation, overcapacity and pricing pressures; and the negative impact of regulation. Because utility companies are faced with the same obstacles, issues and regulatory burdens, their securities may react similarly and more in unison to these or other market conditions.

### **Short sales risk**

The funds may make short sales of securities. This means a fund may sell a security that it does not own in anticipation of a decline in the market value of the security. A fund generally borrows the security to deliver to the buyer in a short sale. The fund must then buy the security at its market price when the borrowed security must be returned to the lender. Short sales involve costs and risk. The fund must pay the lender interest on the security it borrows, and the fund will lose money if the price of the security increases between the time of the short sale and the date when the fund replaces the borrowed security. A fund may also make short sales "against the box." In a short sale against the box, at the time of sale, the fund owns or has the right to acquire the identical security, or one equivalent in kind or amount, at no additional cost.

Until a fund closes its short position or replaces a borrowed security, a fund will (i) segregate with its custodian cash or other liquid assets at such a level that the amount segregated plus the amount deposited with the lender as collateral will equal the current market value of the security sold short or (ii) otherwise cover its short position. The need to maintain cash or other liquid assets in segregated accounts could limit the fund's ability to pursue other opportunities as they arise.

### **Small and mid-sized company risk**

Market risk and liquidity risk may be pronounced for securities of companies with medium-sized market capitalizations and are particularly pronounced for securities of companies with smaller market capitalizations. These companies may have limited product lines, markets, or financial resources, or they may depend on a few key employees. The securities of companies with medium and smaller market capitalizations may trade less frequently and in lesser volume than more widely held securities, and their value may fluctuate more sharply than those securities. They may also trade in the OTC market or on a regional exchange, or may otherwise have limited liquidity. Investments in less-seasoned companies with medium and smaller market capitalizations may not only present greater opportunities for growth and capital appreciation, but also involve greater risks than are customarily associated with more established companies with larger market capitalizations. These risks apply to all funds that invest in the securities of companies with smaller- or medium-sized market capitalizations. For purposes of the fund's investment policies, the market capitalization of a company is based on its capitalization at the time the fund purchases the company's securities. Market capitalizations of companies change over time. The fund is not obligated to sell a company's security simply because, subsequent to its purchase, the company's market capitalization has changed to be outside the capitalization range, if any, in effect for the fund.

### **Tax diversification risk**

As described above, Money Market Trust operates as a "government money market fund" in accordance with Rule 2a-7 under the Investment Company Act of 1940, as amended (a "Government Fund"). Additionally, the fund intends to meet the diversification requirements that are applicable to insurance company separate accounts under Subchapter L of the Internal Revenue Code of 1986, as amended (the "Diversification Requirements"). To satisfy the Diversification Requirements applicable to variable annuity contracts, the value of the assets of the fund invested in securities issued by the United States government must remain below specified thresholds. For these purposes, each United States government agency or instrumentality is treated as a separate issuer (subject to special rules applicable to government agency-issued mortgage-backed securities). Under a Notice issued by the Internal Revenue Service in 2016, pending amendment of the applicable regulations, government money market funds may rely upon an alternative diversification standard.

Operating as a Government Fund may make it difficult for the fund to meet the Diversification Requirements. This difficulty may be exacerbated by the potential increase in demand for the types of securities in which the fund invests as a result of changes to the rules that govern SEC registered money market funds. A failure to satisfy the Diversification Requirements could have significant adverse tax consequences for variable annuity contract owners whose contract values are determined by investment in the fund.

#### **U.S. Government agency obligations risk**

Government-sponsored entities such as Federal National Mortgage Association (Fannie Mae), Federal Home Loan Mortgage Corporation (Freddie Mac) and the Federal Home Loan Banks, although chartered or sponsored by Congress, are not funded by congressional appropriations and the debt securities that they issue are neither guaranteed nor issued by the U.S. government. Such debt securities are subject to the risk of default on the payment of interest and/or principal, similar to the debt securities of private issuers. The maximum potential liability of the issuers of some U.S. government obligations may greatly exceed their current resources, including any legal right to support from the U.S. government. Although the U.S. government has provided financial support to Fannie Mae and Freddie Mac in the past, there can be no assurance that it will support these or other government-sponsored entities in the future.

#### **U.S. Treasury obligations risk**

The market value of direct obligations of the U.S. Treasury may vary due to changes in interest rates. In addition, changes to the financial condition or credit rating of the U.S. government may cause the value of the fund's investments in obligations issued by the U.S. Treasury to decline.

#### **Utilities sector risk**

Issuers in the utilities sector are subject to many risks, including: increases in fuel and other operating costs; increased costs and delays as a result of environmental and safety regulations; difficulty in obtaining approval of rate increases; the negative impact of regulation; the potential impact of natural and man-made disaster; and technological innovations that may render existing plants, equipment, or products obsolete. Because utility companies are faced with the same obstacles, issues, and regulatory burdens, their securities may react similarly and more in unison to these or other market conditions.

#### **Value investing style risk**

Certain equity securities (generally referred to as value securities) are purchased primarily because they are selling at prices below what the manager believes to be their fundamental value and not necessarily because the issuing companies are expected to experience significant earnings growth. The fund bears the risk that the companies that issued these securities may not overcome the adverse business developments or other factors causing their securities to be perceived by the manager to be underpriced or that the market may never come to recognize their fundamental value. A value stock may not increase in price, as anticipated by the manager investing in such securities, if other investors fail to recognize the company's value and bid up the price or invest in markets favoring faster growing companies. The fund's strategy of investing in value stocks also carries the risk that in certain markets, value stocks will underperform growth stocks. In addition, securities issued by U.S. entities with substantial foreign operations may involve risks relating to economic, political or regulatory conditions in foreign countries.

#### **Warrants risk**

The funds may, subject to certain restrictions, purchase warrants, including warrants traded independently of the underlying securities. Warrants are rights to purchase securities at specific prices valid for a specific period of time. Their prices do not necessarily move parallel to the prices of the underlying securities, and warrant holders receive no dividends and have no voting rights or rights with respect to the assets of an issuer. Warrants cease to have value if not exercised prior to their expiration dates.

## **Additional information about the funds' investment policies (including each fund of funds)**

Subject to certain restrictions and except as noted below, a fund may use the following investment strategies and purchase the following types of securities.

#### **Foreign Repurchase Agreements**

A fund may enter into foreign repurchase agreements. Foreign repurchase agreements may be less well secured than U.S. repurchase agreements, and may be denominated in foreign currencies. They also may involve greater risk of loss if the counterparty defaults. Some counterparties in these transactions may be less creditworthy than those in U.S. markets.

#### **Illiquid Securities**

A fund is precluded from investing in excess of 15% of its net assets (or 5% in the case of Money Market Trust) in securities that are not readily marketable. Investment in illiquid securities involves the risk that, because of the lack of consistent market demand for such securities, a fund may be forced to sell them at a discount from the last offer price.

#### **Indexed/Structured Securities**

Funds may invest in indexed/structured securities. These securities are typically short-to intermediate-term debt securities whose value at maturity or interest rate is linked to currencies, interest rates, equity securities, indices, commodity prices or other financial indicators. Such securities may be positively or negatively indexed (i.e., their value may increase or decrease if the reference index or instrument appreciates). Indexed/structured securities may have return characteristics similar to direct investments in the underlying instruments. A fund bears the market risk of an investment in the underlying instruments, as well as the credit risk of the issuer.



## **Lending of Fund Securities**

A fund may lend its securities so long as such loans do not represent more than 33 1/3% of the fund's total assets. As collateral for the loaned securities, the borrower gives the lending portfolio collateral equal to at least 100% of the value of the loaned securities. The collateral may consist of cash, cash equivalents or securities issued or guaranteed by the U.S. government or its agencies or instrumentalities. The borrower must also agree to increase the collateral if the value of the loaned securities increases. As with other extensions of credit, there are risks of delay in recovery or even loss of rights in the collateral should the borrower of the securities fail financially.

## **Loan Participations**

The funds may invest in fixed-and floating-rate loans, which investments generally will be in the form of loan participations and assignments of such loans. Participations and assignments involve special types of risks, including credit risk, interest rate risk, liquidity risk, and the risks of being a lender. Investments in loan participations and assignments present the possibility that a fund could be held liable as a co-lender under emerging legal theories of lender liability. If a fund purchases a participation, it may only be able to enforce its rights through the lender and may assume the credit risk of the lender in addition to the borrower.

## **Mortgage Dollar Rolls**

The funds may enter into mortgage dollar rolls. Under a mortgage dollar roll, a fund sells mortgage-backed securities for delivery in the future (generally within 30 days) and simultaneously contracts to repurchase substantially similar (same type, coupon and maturity) securities on a specified future date.

At the time a fund enters into a mortgage dollar roll, it will maintain on its records liquid assets such as cash or U.S. government securities equal in value to its obligations in respect of dollar rolls, and accordingly, such dollar rolls will not be considered borrowings.

The funds may only enter into covered rolls. A "covered roll" is a specific type of dollar roll for which there is an offsetting cash or cash equivalent security position that matures on or before the forward settlement date of the dollar roll transaction. Dollar roll transactions involve the risk that the market value of the securities sold by the funds may decline below the repurchase price of those securities. While a mortgage dollar roll may be considered a form of leveraging, and may, therefore, increase fluctuations in a fund's NAV per share, the funds will cover the transaction as described above.

## **Repurchase Agreements**

The funds may enter into repurchase agreements. Repurchase agreements involve the acquisition by a fund of debt securities subject to an agreement to resell them at an agreed-upon price. The arrangement is in economic effect a loan collateralized by securities. The fund's risk in a repurchase transaction is limited to the ability of the seller to pay the agreed-upon sum on the delivery date. In the event of bankruptcy or other default by the seller, the instrument purchased may decline in value, interest payable on the instrument may be lost and there may be possible delays and expense in liquidating the instrument. Securities subject to repurchase agreements will be valued every business day and additional collateral will be requested if necessary so that the value of the collateral is at least equal to the value of the repurchased obligation, including the interest accrued thereon. Repurchases agreements maturing in more than seven days are deemed to be illiquid.

## **Reverse Repurchase Agreements**

The funds may enter into "reverse" repurchase agreements. Under a reverse repurchase agreement, a fund may sell a debt security and agree to repurchase it at an agreed-upon time and at an agreed-upon price. The funds will maintain liquid assets such as cash, Treasury bills or other U.S. government securities having an aggregate value equal to the amount of such commitment to repurchase including accrued interest, until payment is made. While a reverse repurchase agreement may be considered a form of leveraging and may, therefore, increase fluctuations in a fund's NAV per share, the funds will cover the transaction as described above.

## **U.S. Government Securities**

The funds may invest in U.S. government securities issued or guaranteed by the U.S. government or by an agency or instrumentality of the U.S. government. Not all U.S. government securities are backed by the full faith and credit of the United States. Some are supported only by the credit of the issuing agency or instrumentality, which depends entirely on its own resources to repay the debt. U.S. government securities that are backed by the full faith and credit of the United States include U.S. Treasuries and mortgage-backed securities guaranteed by the Government National Mortgage Association. Securities that are only supported by the credit of the issuing agency or instrumentality include Fannie Mae, FHLBs and Freddie Mac. See "Credit and counterparty risk" for additional information on Fannie Mae and Freddie Mac securities.

## **Warrants risk**

The funds may, subject to certain restrictions, purchase warrants, including warrants traded independently of the underlying securities. Warrants are rights to purchase securities at specific prices valid for a specific period of time. Their prices do not necessarily move parallel to the prices of the underlying securities, and warrant holders receive no dividends and have no voting rights or rights with respect to the assets of an issuer. Warrants cease to have value if not exercised prior to their expiration dates.

## **When-Issued/Delayed-Delivery/Forward Commitment Securities**

A fund may purchase or sell debt or equity securities on a "when-issued," delayed-delivery or "forward commitment" basis. These terms mean that the fund will purchase or sell securities at a future date beyond customary settlement (typically trade date plus 30 days or longer) at a stated price and/or yield. At the time delivery is made, the value of when-issued, delayed-delivery or forward commitment securities may be more or less than the transaction price, and the yields then available in the market may be higher or lower than those obtained in the transaction.

These investment strategies and securities are described further in the SAI.

# Management

## Board of Trustees

JHVIT is managed under the direction of its Trustees. The Board of Trustees oversees the business activities of the funds and retains the services of the various firms that carry out the operations of the funds. The Board may change the investment objective and strategy of a fund without shareholder approval.

## Investment Management

John Hancock Investment Management Services, LLC (the “Advisor”) is the investment advisor to JHVIT and is registered with the SEC as an investment advisor under the Investment Advisers Act of 1940, as amended (the “Advisers Act”). The Advisor is a Delaware limited liability company with its principal offices located at 200 Berkeley Street, Boston, Massachusetts 02116. Its ultimate controlling parent is Manulife Financial Corporation (“MFC”), a publicly traded company based in Toronto, Canada. MFC and its subsidiaries operate as “Manulife Financial” in Canada and Asia and principally as “John Hancock” in the United States.

JHVIT fund shares are sold only to insurance companies and their separate accounts as the underlying investment option for variable annuity and variable life insurance contracts and group annuity contract offered to 401(k) plans (“variable contracts”). Two of these insurance companies, John Hancock Life Insurance Company (U.S.A.) and John Hancock Life Insurance Company of New York, are affiliates of the Advisor (the “Affiliated Insurance Companies”). The Affiliated Insurance Companies perform administrative services for the JHVIT funds in connection with the variable contracts for which they serve as the underlying investment option. To compensate the Affiliated Insurance Companies for providing these services, the Advisor, not the JHVIT funds, pays each Affiliated Insurance Company an administrative fee equal to 0.25% of the total average daily net assets of the JHVIT funds attributable to variable contracts issued by the Affiliated Insurance Company. The Advisor may also pay insurance companies not affiliated with the Advisor an administrative fee for performing similar administrative services for the JHVIT funds.

Subject to general oversight by the Board of Trustees, the Advisor manages and supervises the investment operations and business affairs of the fund. The Advisor selects, contracts with and compensates one or more subadvisors to manage all or a portion of the fund’s portfolio assets, subject to oversight by the Advisor. In this role, the Advisor has supervisory responsibility for managing the investment and reinvestment of the funds’ portfolio assets through proactive oversight and monitoring of the subadvisor and the funds, as described in further detail below. The Advisor is responsible for developing overall investment strategies for the funds and overseeing and implementing the funds’ continuous investment programs and provides a variety of advisory oversight and investment research services. The Advisor also provides management and transition services associated with certain fund events (e.g., strategy, portfolio manager or subadvisor changes) and coordinates and oversees services provided under other agreements.

The Advisor has ultimate responsibility to oversee a subadvisor and recommend to the Board of Trustees its hiring, termination, and replacement. In this capacity, the Advisor, among other things: (i) monitors on a daily basis the compliance of the subadvisor with the investment objectives and related policies of the fund; (ii) monitors significant changes that may impact the subadvisor’s overall business and regularly performs due diligence reviews of the subadvisor; (iii) reviews the performance of the subadvisor; and (iv) reports periodically on such performance to the Board of Trustees. The Advisor employs a team of investment professionals who provide these ongoing research and monitoring services.

Subject to approval by the Board of Trustees, the Advisor may elect to manage fund assets directly and currently manages the assets of certain funds. As compensation for its services, the Advisor receives a fee from JHVIT computed separately for each fund. Appendix A to this Prospectus is a schedule of the management fees each fund currently is obligated to pay the Advisor. The subadvisors are compensated by the Advisor and not by the funds.

The funds rely on an order from the Securities and Exchange Commission (SEC) permitting the Advisor, subject to approval by the Board of Trustees, to appoint a subadvisor or change the terms of a subadvisory agreement without obtaining shareholder approval. Each fund, therefore, is able to change subadvisors or the fees paid to a subadvisor from time to time without the expense and delays associated with obtaining shareholder approval of the change. This order does not, however, permit the Advisor to appoint a subadvisor that is an affiliate of the Advisor or JHVIT (other than by reason of serving as a subadvisor to a fund), or to increase the subadvisory fee of an affiliated subadvisor, without the approval of the shareholders.

A discussion regarding the basis for the Board’s approval of the advisory and subadvisory agreements for the funds is available in the funds’ semi-annual and annual reports to shareholders for the periods ended June 30, 2018 and December 31, 2018, respectively.

For information on the advisory fee for the master fund for each of the JHVIT Feeder Funds, please refer to the master fund prospectus (the American Funds Insurance Series prospectus) which accompanies this Prospectus.

## Additional information about fund expenses

Each fund’s annual operating expenses will likely vary throughout the period and from year to year. A fund’s expenses for the current fiscal year may be higher than the expenses listed in the fund’s “Annual fund operating expenses” table for some of the following reasons: (i) a significant decrease in average net assets may result in a higher advisory fee rate if advisory fee breakpoints are not achieved; (ii) a significant decrease in average net assets may result in an increase in the expense ratio because certain fund expenses do not decrease as asset levels decrease; or (iii) fees may be incurred for extraordinary events such as fund tax expenses.

The Advisor has contractually agreed to waive its management fee or reimburse expenses (the Reimbursement) for certain participating funds of the Trust and other John Hancock Funds. The Reimbursement equals, on an annualized basis, 0.01% of that portion of the aggregate net assets of all the participating funds that exceeds \$75 billion but is less than or equal to \$125 billion, 0.0125% of that portion of the aggregate net assets of all the

participating funds that exceeds \$125 billion but is less than or equal to \$150 billion, 0.0150% of that portion of the aggregate net assets of all the participating funds that exceeds \$150 billion but is less than or equal to \$175 billion, 0.0175% of that portion of the aggregate net assets of all the participating funds that exceeds \$175 billion but is less than or equal to \$200 billion, 0.02% of that portion of the aggregate net assets of all the participating funds that exceeds \$200 billion but is less than or equal to \$225 billion, and 0.0225% of that portion of the aggregate net assets of all the participating funds that exceeds \$225 billion. The amount of the Reimbursement is calculated daily and allocated among all the participating funds in proportion to the daily net assets of the fund. This agreement expires on June 30, 2020, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

### Subadvisors and Portfolio Managers

Set forth below, in alphabetical order by subadvisor, is additional information about the subadvisors and the fund portfolio managers. The SAI includes additional details about the portfolio managers, including information about their compensation, accounts they manage other than the funds and their ownership of fund securities.

#### Funds of Funds

The subadvisor will benefit from increased subadvisory fees when assets are allocated to affiliated subadvised funds that it manages. In addition, MFC, as the parent company of each subadvisor and all affiliated investment advisors, will benefit through increased revenue generated from the fees on assets managed by the affiliated subadvisors. Accordingly, there is a conflict of interest in that there is an incentive for each subadvisor to allocate fund assets to funds subadvised by the subadvisor and other affiliated subadvised funds. However, the subadvisor has a duty to allocate assets to an affiliated subadvised fund only when the subadvisor believes it is in the best interests of fund shareholders, without regard to such economic incentive. As part of its oversight of the funds and the subadvisors, the advisor will monitor to ensure that allocations are conducted in accordance with these principles. This conflict of interest is also considered by the Independent Trustees when approving or replacing affiliated subadvisors.

### Allianz Global Investors U.S. LLC ("AllianzGI US")

AllianzGI US, a Delaware limited liability company, is a registered investment advisor with offices in New York, Dallas, San Diego and San Francisco. AllianzGI US is a direct, wholly-owned subsidiary of Allianz Global Investors U.S. Holdings LLC, which in turn is owned indirectly by Allianz SE, a diversified global financial institution. AllianzGI US provides advisory services to mutual funds and institutional accounts. The Global Technology investment team is based out of their San Francisco office at 555 Mission Street, San Francisco, California 94105.

AllianzGI US has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by AllianzGI US.

Fund	Portfolio Managers
<b>Science &amp; Technology Trust</b>	Huachen Chen, CFA Walter C. Price, Jr., CFA Michael A. Seidenberg

- *Huachen Chen, CFA*. Managing Director, Senior Portfolio Manager. Mr. Chen joined AllianzGI US in 1984. He has 35 years of investment-industry experience and is co-lead portfolio manager of the Global Technology strategy.
- *Walter C. Price, Jr., CFA*. Managing Director, Senior Portfolio Manager. Mr. Price joined AllianzGI US in 1974. He has 45 years of investment-industry experience and is co-lead portfolio manager of the Global Technology strategy.
- *Michael A. Seidenberg*. Director, Portfolio Manager/Analyst. Mr. Seidenberg joined AllianzGI US in 2009. He has 16 years of investment-industry experience and is a portfolio manager for the Global Technology strategy.

### Capital Research and Management Company ("CRMC")

CRMC is located at 333 South Hope Street, Los Angeles, California 90071. CRMC is a wholly-owned subsidiary of The Capital Group Companies, Inc. CRMC has been providing investment management services since 1931.

CRMC manages equity assets through three equity investment divisions and fixed-income assets through its fixed-income investment division, Capital Fixed Income Investors. The three equity investment divisions - Capital World Investors, Capital Research Global Investors and Capital International Investors - make investment decisions independently of one another.

CRMC has identified the following persons as jointly and primarily responsible for the day-to-day management of the master funds' portfolios as set forth below. These managers are employed by CRMC.

Portfolio Manager for the Series/Title (If Applicable)	Primary Title with Investment Advisor (or Affiliate) and Investment Experience During Past Five Years	Portfolio Manager's Role in Management of the Fund(s)
<b>Donald D. O'Neal</b> Co-President and Trustee	Partner — Capital International Investors Investment professional for 34 years, all with CRMC or affiliate	Serves as an equity portfolio manager for Growth-Income Fund
<b>Alan N. Berro</b> Co-President	Partner — Capital World Investors Investment professional for 33 years in total; 28 years with CRMC or affiliate	Serves as an equity portfolio manager for Asset Allocation Fund

<b>Sung Lee</b> Vice President	Partner — Capital Research Global Investors Investment professional for 25 years, all with CRMC or affiliate	Serves as an equity portfolio manager for International Fund
<b>S. Keiko McKibben</b> Vice President	Partner — Capital Research Global Investors Investment professional for 25 years in total; 21 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth-Income Fund
<b>Renaud H. Samyn</b> Vice President	Partner — Capital Research Global Investors Investment professional for 18 years, all with CRMC or affiliate	Serves as an equity portfolio manager for International Fund
<b>Dylan Yolles</b> Vice President	Partner — Capital International Investors Investment professional for 22 years in total; 19 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth-Income Fund
<b>L. Alfonso Barroso</b>	Partner — Capital Research Global Investors Investment professional for 25 years, all with CRMC or affiliate	Serves as an equity portfolio manager for International Fund
<b>Mark L. Casey</b>	Partner — Capital International Investors Investment professional for 19 years, all with CRMC or affiliate	Serves as an equity portfolio manager for Growth Fund
<b>Patrice Collette</b>	Partner — Capital World Investors Investment professional for 25 years in total; 19 years with CRMC or affiliate	Serves as an equity portfolio manager for Global Growth Fund
<b>David A. Daigle</b>	Partner — Capital Fixed Income Investors Investment professional for 25 years in total, all with CRMC or affiliate	Serves as a fixed-income portfolio manager for Asset Allocation Fund
<b>Peter Eliot</b>	Partner — Capital International Investors Investment professional for 24 years in total; 15 years with CRMC or affiliate	Serves as an equity portfolio manager for Asset Allocation Fund
<b>Paul Flynn</b>	Partner — Capital World Investors Investment professional for 23 years in total; 21 years with CRMC or affiliate	Serves as an equity/fixed-income portfolio manager for Global Growth Fund
<b>J. Blair Frank</b>	Partner — Capital Research Global Investors Investment professional for 26 years in total; 25 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth-Income Fund
<b>Claudia P. Huntington</b>	Partner — Capital Research Global Investors Investment professional for 46 years in total; 44 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth-Income Fund
<b>Michael T. Kerr</b>	Partner — Capital International Investors Investment professional for 36 years in total; 34 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth Fund
<b>Jonathan Knowles</b>	Partner — Capital World Investors Investment professional for 27 years in total; all with CRMC or affiliate	Serves as an equity portfolio manager for Global Growth Fund
<b>Jeffrey T. Lager</b>	Partner — Capital International Investors Investment professional for 24 years in total; 23 years with CRMC or affiliate	Serves as an equity portfolio manager for Asset Allocation Fund
<b>Jin Lee</b>	Partner — Capital World Investors Investment professional for 23 years in total; 22 years with CRMC or affiliate	Serves as an equity portfolio manager for Asset Allocation Fund
<b>Jesper Lyckeus</b>	Partner — Capital Research Global Investors Investment professional for 24 years in total; 23 years with CRMC or affiliate	Serves as an equity portfolio manager for International Fund
<b>James R. Mulally</b>	Partner — Capital Fixed Income Investors Investment professional for 43 years in total; 39 years with CRMC or affiliate	Serves as a fixed-income portfolio manager for Asset Allocation Fund
<b>Anne-Marie Peterson</b>	Partner — Capital World Investors Investment professional for 25 years in total; 14 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth Fund
<b>John R. Queen</b>	Vice President — Capital Fixed Income Investors Investment professional for 28 years in total; 16 years with CRMC or affiliate	Serves as a fixed-income portfolio manager for Asset Allocation Fund

<b>Andraz Razen</b>	Partner — Capital World Investors Investment professional for 21 years in total; 15 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth Fund
<b>William L. Robbins</b>	Partner — Capital International Investors Investment professional for 27 years in total; 24 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth-Income Fund
<b>Christopher Thomsen</b>	Partner — Capital Research Global Investors Investment professional for 22 years in total, all with CRMC or affiliate	Serves as an equity portfolio manager for International Fund
<b>Alan J. Wilson</b>	Partner — Capital World Investors Investment professional for 34 years in total; 28 years with CRMC or affiliate	Serves as an equity portfolio manager for Growth Fund

Additional information regarding the portfolio managers' compensation, management of other accounts, and ownership of securities in The American Funds Insurance Series can be found in the SAI.

#### **Dimensional Fund Advisors LP ("Dimensional")**

Dimensional was organized in 1981 as "Dimensional Fund Advisors, Inc.," a Delaware corporation, and in 2006, it converted its legal name and organizational form to "Dimensional Fund Advisors LP," a Delaware limited partnership. Dimensional is engaged in the business of providing investment management services. Dimensional is located at 6300 Bee Cave Road, Building One, Austin, Texas 78746.

*Dimensional uses a team approach.* The investment team includes the Investment Committee of Dimensional, portfolio managers and trading personnel. The Investment Committee is composed primarily of certain officers and directors of Dimensional who are appointed annually. Investment strategies for funds managed by Dimensional are set by the Investment Committee, which meets on a regular basis and also as needed to consider investment issues. The Investment Committee also sets and reviews all investment related policies and procedures and approves any changes in regards to approved countries, security types and brokers.

In accordance with the team approach, the portfolio managers and portfolio traders implement the policies and procedures established by the Investment Committee. The portfolio managers and portfolio traders also make daily investment decisions regarding fund management based on the parameters established by the Investment Committee. Dimensional has identified the following persons as jointly and primarily responsible for coordinating the day-to-day management of the funds' portfolios as set forth below. These managers are employed by Dimensional.

<b>Funds</b>	<b>Portfolio Managers</b>
<b>Emerging Markets Value Trust</b>	Mitchell J. Firestein Jed S. Fogdall Mary T. Phillips, CFA Bhanu P. Singh
<b>International Small Company Trust</b>	Jed S. Fogdall Arun Keswani, CFA Mary T. Phillips, CFA Bhanu P. Singh
<b>Small Cap Opportunities Trust</b>	Jed S. Fogdall Joel Schneider

- *Mitchell J. Firestein.* Senior Portfolio Manager and Vice President at Dimensional. Mr. Firestein joined Dimensional in 2005 and has been a portfolio manager since 2014.
- *Jed S. Fogdall.* Head of Global Portfolio Management, Senior Portfolio Manager and Vice President at Dimensional and chairman of the Investment Committee. Mr. Fogdall joined Dimensional as a Portfolio Manager in 2004 and has been Head of the global portfolio management group since 2019.
- *Arun Keswani, CFA.* Senior Portfolio Manager and Vice President at Dimensional. Mr. Keswani joined Dimensional in 2011 and has been a portfolio manager since 2013. Prior to joining Dimensional, Mr. Keswani worked as an investment banking associate at Morgan Stanley.
- *Mary T. Phillips, CFA.* Senior Portfolio Manager and Vice President at Dimensional and member of the Investment Committee. Ms. Phillips joined Dimensional in 2012 and has been a portfolio manager since 2014.
- *Joel Schneider.* Senior Portfolio Manager and Vice President at Dimensional and a member of the Investment Committee. Mr. Schneider joined Dimensional in 2011, has been a portfolio manager since 2013. Prior to joining Dimensional, Mr. Schneider worked as a management consultant at ZS Associates.
- *Bhanu P. Singh.* Senior Portfolio Manager and Vice President at Dimensional. Mr. Singh joined Dimensional in 2003 and has been a portfolio manager since 2012.

**DWS Investment Management Americas, Inc. ("DIMA")**  
**RREEF America L.L.C. ("RREEF")**

DIMA with headquarters at 345 Park Avenue, New York, New York 10154, is an indirect wholly-owned subsidiary of DWS Group GmbH & Co. KGaA ("DWS Group"). DWS Group is a separate, publicly-listed financial services firm that is an indirect, majority-owned subsidiary of Deutsche Bank AG. DIMA and its predecessors have more than 90 years of experience managing mutual funds and provide a full range of global investment advisory services to institutional and retail clients.

RREEF, located at 222 South Riverside Plaza, Chicago, Illinois 60606, is an indirect, wholly-owned subsidiary of DWS Group. RREEF provides real estate investment management services to institutional investors.

DIMA and RREEF have identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by DIMA and/or RREEF.

<b>Fund</b>	<b>Portfolio Managers</b>
<b>Real Estate Securities Trust</b>	John W. Vojticek David W. Zonavetch, CPA Robert Thomas

- *John W. Vojticek*. Managing Director and Portfolio Manager, Head and Chief Investment Officer of Liquid Real Assets for DWS. Mr. Vojticek began his business career in 1996. Mr. Vojticek joined DWS Group in 2004.
- *David W. Zonavetch, CPA*. Managing Director and Portfolio Manager, Co-Head of Real Estate Securities, Americas and Co-Lead Portfolio Manager: Chicago. Mr. Zonavetch joined DWS Group in 1998 with 2 years of industry experience. Prior to his current role, Mr. Zonavetch worked as Senior Accountant in Corporate Finance, and as an Analyst at Cendant Mobility.
- *Robert Thomas*. Managing Director and Portfolio Manager, Co-Head of Real Estate Securities, Americas and Co-Lead Portfolio Manager: Chicago. Mr. Thomas joined DWS Group in 2017. Prior to his current role, Mr. Thomas served as Portfolio Manager at Henderson Global Investors (2015-2016); and at AMP Capital Investors (2012-2015).

**GW&K Investment Management, LLC ("GW&K")**

Founded in 1974, GW&K serves as an investment advisor or subadvisor to private clients, pension and profit-sharing plans, mutual funds, estates, charitable foundations, endowments, corporations, and other entities. GW&K is located at 222 Berkeley Street, Boston, Massachusetts 02116. Affiliated Managers Group, Inc., a publicly traded asset management company (NYSE: AMG), holds a majority equity interest in GW&K.

GW&K has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by GW&K.

<b>Fund</b>	<b>Portfolio Manager</b>
<b>Small Cap Opportunities Trust</b>	Joseph C. Craigen, CFA Daniel L. Miller, CFA

- *Joseph C. Craigen, CFA*. Partner and Equity Portfolio Manager, who has been with GW&K since 2008; formerly a research analyst at Citizens Funds and Needham & Company.
- *Daniel L. Miller, CFA*. Partner and Director of Equities, who has been with GW&K since 2008; formerly an independent investment and financial consultant, and the Chief Investment Officer for the Specialty Growth Group at Putnam Investments.

**Invesco Advisers, Inc. ("Invesco")**

Invesco is an indirect wholly owned subsidiary of Invesco Ltd., whose principal business address is 1555 Peachtree Street, N.E., Atlanta, Georgia 30309. Invesco, an investment advisor since 1976, is a publicly traded company that, through its subsidiaries, engages in the business of investment management on an international basis. Invesco, and/or its affiliates is the investment advisor for mutual funds, separately managed accounts, such as corporate and municipal pension plans, charitable institutions and private individuals.

Invesco has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by Invesco.

<b>Funds</b>	<b>Portfolio Managers</b>
<b>International Growth Stock Trust</b>	Clas Olsson Brently Bates Matthew Dennis Mark Jason Richard Nield

- *Clas Olsson*. Portfolio Manager, who has been with the Invesco and/or its affiliates since 1994.
- *Brently Bates*. Portfolio Manager, who has been with Invesco and/or affiliates since 1996.
- *Matthew Dennis*. Portfolio Manager, who has been with Invesco and/or its affiliates since 2000.
- *Mark Jason*. Portfolio Manager, who has been with Invesco and/or its affiliates since 2001.
- *Richard Nield*. Portfolio Manager, who has been with Invesco and/or affiliates since 2000.

### Jennison Associates LLC (“Jennison”)

Jennison is a Delaware limited liability company, located at 466 Lexington Avenue, New York, New York 10017, and has been (including its predecessor, Jennison Associates Capital Corp.) in the investment advisory business since 1969. Jennison is a direct, wholly-owned subsidiary of PGIM, Inc., which is a direct, wholly-owned subsidiary of PGIM Holding Company LLC, which is a direct, wholly-owned subsidiary of Prudential Financial, Inc.

Jennison has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund’s portfolio as set forth below. These managers are employed by Jennison.

<b>Fund</b>	<b>Portfolio Managers</b>
<b>Capital Appreciation Trust</b>	Blair A. Boyer Michael A. Del Balso Rebecca Irwin Natasha Kuhlkin, CFA Kathleen A. McCarragher Spiros “Sig” Segalas

- *Blair A. Boyer.* Mr. Boyer is a Managing Director, Co-Head of Large Cap Growth Equity and a large cap growth equity portfolio manager. He joined Jennison in March 1993 as an international equity analyst and joined the large cap growth team as a portfolio manager in 2003. Prior to joining Jennison, he managed international equity portfolios at Arnhold and S. Bleichroeder for five years. Prior to that, he was a research analyst and then a senior portfolio manager at Verus Capital.
- *Michael A. Del Balso.* Mr. Del Balso is a Managing Director, and a large cap growth equity portfolio manager. He joined Jennison in May 1972 as a research analyst and became a portfolio manager in 1999. Prior to joining Jennison, Mr. Del Balso was a vice president and portfolio manager for four years at White, Weld & Company.
- *Rebecca Irwin.* Ms. Irwin is a Managing Director and a large cap growth equity portfolio manager and research analyst. She joined Jennison in September 2006. Prior to joining Jennison, Ms. Irwin was a health care analyst at Viking Global Investors. Prior to that, she was at UBS and at Salomon Smith Barney.
- *Natasha Kuhlkin, CFA.* Ms. Kuhlkin is a Managing Director and a large cap growth equity portfolio manager and research analyst. She joined Jennison in May 2004. Prior to joining Jennison, Ms. Kuhlkin was an equity research analyst at Evergreen Investment Management then Palisade Capital Management.
- *Kathleen A. McCarragher.* Ms. McCarragher is a Managing Director, the Head of Growth Equity and a large cap growth equity portfolio manager. She joined Jennison in May 1998. Prior to joining Jennison, Ms. McCarragher spent six years with Weiss, Peck & Greer LLC where she was a Managing Director and the Director of Large Cap Growth Equities. Prior to that, Ms. McCarragher spent 10 years with State Street Research & Management.
- *Spiros “Sig” Segalas.* Mr. Segalas was one of the original founders of Jennison in 1969. He is currently President, Chief Investment Officer and a large cap growth equity portfolio manager. Mr. Segalas began his investment career as a research analyst with Bankers Trust Company in 1960 and was responsible for technology, aerospace, and conglomerate securities. In 1963, he was appointed group head of the technology group; in 1967, he was asked to manage a newly introduced commingled emerging growth fund for the bank’s institutional clients. He was also appointed to the bank’s investment policy group.

The portfolio managers for the fund are supported by other Jennison portfolio managers, research analysts and investment professionals. Team members conduct research, make securities recommendations and support the portfolio managers in all activities. Members of the team may change from time to time.

### John Hancock Asset Management a division of Manulife Asset Management (North America) Limited

John Hancock Asset Management a division of Manulife Asset Management (North America) Limited (“JHAM (NA)”) is a corporation subject to the laws of Canada. Its principal business at the present time is to provide investment management services to the portfolios of JHVIT for which it is the subadvisor as well as other portfolios advised by the Advisor. JHAM (NA) is an indirect, wholly-owned subsidiary of MFC based in Toronto, Canada. MFC is the holding company of The Manufacturers Life Insurance Company and its subsidiaries, including Manulife Asset Management Limited and Manulife Asset Management (Hong Kong) Limited (“MAMHK”), collectively known as Manulife Financial. The address of JHAM (NA) is 200 Bloor Street East, Toronto, Ontario, Canada M4W 1E5.

JHAM (NA) has identified the following persons as jointly and primarily responsible for the day-to-day management of the funds’ portfolios as set forth below. These managers are employed by JHAM (NA).

<b>Funds</b>	<b>Portfolio Managers</b>
<b>500 Index Trust</b>	Brett Hryb, CFA Ashikhusein Shahpurwala, CFA
<b>Mid Cap Index Trust</b>	Brett Hryb, CFA Ashikhusein Shahpurwala, CFA
<b>Small Cap Index Trust</b>	Brett Hryb, CFA Ashikhusein Shahpurwala, CFA
<b>Total Stock Market Index Trust</b>	Brett Hryb, CFA Ashikhusein Shahpurwala, CFA

- *Brett Hryb, CFA*. Managing Director and Senior Portfolio Manager; joined Manulife Asset Management, Ltd in 1996, with John Hancock Asset Management (North America) since 2003.
- *Ashikhusein Shahpurwala, CFA*. Managing Director and Senior Portfolio Manager; joined Manulife Asset Management, Limited in 2007, with John Hancock Asset Management (North America) since 2003.

#### **John Hancock Asset Management a division of Manulife Asset Management (US) LLC**

John Hancock Asset Management a division of Manulife Asset Management (US) LLC ("JHAM US"), a Delaware limited liability company located at 197 Clarendon Street, Boston, Massachusetts 02116 was founded in 1979. It is a wholly-owned subsidiary of John Hancock Financial Services, Inc. ("JHFS") and an affiliate of the Advisor. JHFS is a subsidiary of MFC, based in Toronto, Canada. MFC is the holding company of the Manufacturers Life Insurance Company and its subsidiaries, collectively known as Manulife Financial.

JHAM US has identified the following persons as jointly and primarily responsible for the day-to-day management of the funds' portfolios as set forth below. These managers are employed by JHAM US.

<b>Funds</b>	<b>Portfolio Managers</b>
<b>Active Bond Trust</b>	Peter M. Farley, CFA Howard C. Greene Jeffrey N. Given, CFA
<b>Financial Industries Trust</b>	Susan A. Curry Ryan P. Lentell, CFA Lisa A. Welch
<b>Fundamental All Cap Core Trust</b>	Emory (Sandy) Sanders, CFA Jonathan T. White, CFA
<b>Fundamental Large Cap Value Trust</b>	Emory (Sandy) Sanders, CFA Nicholas Renart
<b>Lifestyle Aggressive Portfolio</b>	Robert Sykes, CFA Nathan Thooft, CFA
<b>Lifestyle Balanced Portfolio</b>	Robert Sykes, CFA Nathan Thooft, CFA
<b>Lifestyle Conservative Portfolio</b>	Robert Sykes, CFA Nathan Thooft, CFA
<b>Lifestyle Growth Portfolio</b>	Robert Sykes, CFA Nathan Thooft, CFA
<b>Lifestyle Moderate Portfolio</b>	Robert Sykes, CFA Nathan Thooft, CFA
<b>Managed Volatility Aggressive Portfolio</b>	Jeffrey N. Given, CFA Luning "Gary" Li Robert Sykes, CFA Nathan Thooft, CFA
<b>Managed Volatility Balanced Portfolio</b>	Jeffrey N. Given, CFA Luning "Gary" Li Robert Sykes, CFA Nathan Thooft, CFA
<b>Managed Volatility Conservative Portfolio</b>	Jeffrey N. Given, CFA Luning "Gary" Li Robert Sykes, CFA Nathan Thooft, CFA
<b>Managed Volatility Growth Portfolio</b>	Jeffrey N. Given, CFA Luning "Gary" Li Robert Sykes, CFA Nathan Thooft, CFA
<b>Managed Volatility Moderate Portfolio</b>	Jeffrey N. Given, CFA Luning "Gary" Li Robert Sykes, CFA Nathan Thooft, CFA
<b>Select Bond Trust</b>	Howard C. Greene Jeffrey N. Given, CFA
<b>Short Term Government Income Trust</b>	Howard C. Greene Jeffrey N. Given, CFA



<b>Strategic Income Opportunities Trust</b>	Daniel S. Janis III Thomas C. Goggins Kisoo Park Christopher M. Chapman, CFA
<b>Total Bond Market Trust</b>	Peter M. Farley, CFA
<b>Ultra Short Term Bond Trust</b>	Howard C. Greene Jeffrey N. Given, CFA

- *Christopher M. Chapman, CFA.* Managing Director and Portfolio Manager; joined John Hancock Asset Management in 2005; began business career in 1999.
- *Susan A. Curry.* Managing Director and Portfolio Manager; joined fund team in 2004; Research Officer (2004–2006); Assistant Vice President and Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC (since 2006); began business career in 1993.
- *Peter M. Farley, CFA.* Senior Managing Director and Senior Portfolio Manager; joined Manulife Asset Management in 2012.
- *Jeffrey N. Given, CFA.* Senior Managing Director and Senior Portfolio Manager; joined John Hancock Asset Management in 1993.
- *Thomas C. Goggins.* Senior Managing Director and Senior Portfolio Manager, John Hancock Asset Management (since 2009); Co-founder and Director of Research, Fontana Capital (2005–2009).
- *Howard C. Greene.* Senior Managing Director and Senior Portfolio Manager; joined John Hancock Asset Management in 2002; previously a Vice President of Sun Life Financial Services Company of Canada.
- *Daniel S. Janis III.* Senior Managing Director and Senior Portfolio Manager; joined John Hancock Asset Management in 1999; previously a senior risk manager at BankBoston (1997–1999).
- *Ryan P. Lentell, CFA.* Managing Director and Portfolio Manager; joined John Hancock Asset Management a division of Manulife Asset Management (US) LLC in 2008; began business career in 1999.
- *Luning “Gary” Li.* Managing Director and Senior Portfolio Manager, John Hancock Asset Management a division of Manulife Asset Management (US) LLC; joined John Hancock Asset Management in 2013; Manager of Derivatives Risk Management at MetLife (2012–2013); Director of Risk Management and Asset Allocation at the South Carolina Retirement System Investment Commission (2011–2012); Director of Derivatives and Alternative Strategies at Evergreen Investments (2006–2011).
- *Kisoo Park.* Managing Director and Portfolio Manager, Global Multi-Sector Fixed Income team for John Hancock Asset Management a division of Manulife Asset Management (US) LLC; responsible for portfolio management and research of global bonds and currencies. Mr. Park joined John Hancock Asset Management in 2011 from Ardon Maroon Fund Management HK Ltd, a hedge fund advisory firm based in Hong Kong, where he was a founding member and COO.
- *Nicholas Renart.* Managing Director, Portfolio Manager; prior to joining Manulife Asset Management in 2011, Nicholas Renart was an associate with Citi Venture Capital International. Mr. Renart began his investment career in 2005.
- *Emory (Sandy) Sanders, CFA.* Senior Managing Director, Senior Portfolio Manager; prior to joining Manulife Asset Management in 2010, Sandy Sanders was a portfolio manager on the Berkeley Street Equity Team at Wells Capital Management. Mr. Sanders began his investment career in 1997.
- *Robert Sykes, CFA.* Managing Director, Portfolio Manager of Asset Allocation Team; joined John Hancock Asset Management in 2008; began business career in 2001.
- *Nathan Thooft, CFA.* Senior Managing Director, Senior Portfolio Manager and Global Head of Asset Allocation Team; previously Vice President and Director of Investments for Investment Management Services, John Hancock Financial (2008–2011); joined Manulife Financial in 2008.
- *Lisa A. Welch.* Senior Managing Director and Senior Portfolio Manager; joined fund team in 1998; Vice President and Portfolio Manager, John Hancock Advisers, LLC (2003–2005); Vice President, John Hancock Asset Management a division of Manulife Asset Management (US) LLC (2005–2007); began business career in 1986.
- *Jonathan T. White, CFA.* Managing Director, Senior Portfolio Manager; prior to joining Manulife Asset Management in 2011, Jonathan T. White was a senior analyst with the Berkeley Street Equity team at Wells Capital Management. Mr. White began his investment career in 1997.

#### **Massachusetts Financial Services Company (“MFS”)**

MFS is America’s oldest mutual fund organization. MFS and its predecessor organizations have a history of money management dating from 1924 and the founding of the first mutual fund, Massachusetts Investors Trust. MFS is a subsidiary of Sun Life of Canada (U.S.) Financial Services Holdings, Inc., which in turn is an indirect majority-owned subsidiary of Sun Life Financial Inc. (a diversified financial services company). MFS is located at 111 Huntington Avenue, Boston, Massachusetts 02199.

MFS has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund’s portfolio as set forth below. These managers are employed by MFS.

<b>Fund</b>	<b>Portfolio Manager</b>
<b>Utilities Trust</b>	Claud Davis Maura Shaughnessy* Scott Walker

- *Claud Davis*. Investment Officer; employed in the investment area of MFS since 1994.
- *Maura Shaughnessy*\*. Investment Officer; employed in the investment area of MFS since 1991.
- *Scott Walker*. Investment Officer; employed in the investment area of MFS since 2008.

\*Effective August 1, 2019, Maura Shaughnessy will no longer serve as a portfolio manager of the fund.

#### **Pacific Investment Management Company LLC ("PIMCO")**

PIMCO is a majority owned subsidiary of Allianz Asset Management of America L.P. with minority interests held by certain of its current and former officers, by Allianz Asset Management of America LLC, and by Allianz Asset Management U.S. Holding II LLC. Through various holding company structures, Allianz Asset Management of America L.P. is majority owned by Allianz SE.

PIMCO identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by PIMCO.

<b>Funds</b>	<b>Portfolio Managers</b>
<b>Global Bond Trust</b>	Andrew Balls Sachin Gupta Lorenzo Pagani, Ph.D.

- *Andrew Balls*. Mr. Balls is PIMCO's CIO Global Fixed Income. Based in the London office, he oversees the firm's European, Asia-Pacific, emerging markets and global specialist investment teams. He manages a range of global portfolios and is a member of the Investment Committee. Previously, he was head of European portfolio management, a global portfolio manager in the Newport Beach office and the firm's global strategist. Prior to joining PIMCO in 2006, he was an economics correspondent and columnist for the Financial Times in London, New York and Washington, DC. He has 20 years of investment and economics/financial markets experience and holds a bachelor's degree from Oxford and a master's degree from Harvard University. He was a lecturer in economics at Keble College, Oxford. Mr. Balls was nominated by Morningstar in 2013 for European Fixed-Income Fund Manager of the Year. He is a director of Room to Read, a nonprofit that promotes literacy and gender equality in education in low-income countries.
- *Sachin Gupta*. Mr. Gupta is a managing director in the Newport Beach office, global portfolio manager and head of the global desk. He is a member of the European Portfolio Committee and a rotating member of the Asia-Pacific Portfolio Committee, and has also served as a rotating member of the Investment Committee. Previously, he was in PIMCO's London office managing European liability driven investment (LDI) portfolios. Before that, he was part of PIMCO's global portfolio management team in the Singapore office. In these roles, he focused on investments in government bonds, foreign exchange and interest rate derivatives across global markets. Prior to joining PIMCO in 2003, he was in the fixed income and currency derivatives group at ABN AMRO Bank. He has 21 years of investment experience and holds an MBA from XLRI, India. He received an undergraduate degree from Indian Institute of Technology, Delhi.
- *Lorenzo Pagani, Ph.D.* Dr. Pagani is a managing director and portfolio manager in the Munich office and head of the European government bond and European rates desk. He is also a member of the European portfolio committee and a member of the counterparty risk committee. Prior to joining PIMCO in 2004, he was with the nuclear engineering department at the Massachusetts Institute of Technology (MIT) and with Procter & Gamble in Italy. He has 16 years of investment experience and holds a Ph.D. in nuclear engineering from MIT. He graduated from the Financial Technology Option program of MIT/Sloan Business School and holds a joint master of science degree from the Politecnico di Milano in Italy and the Ecole Centrale de Paris in France.

#### **SSGA Funds Management, Inc. ("SSGA FM")**

SSGA FM is located at One Iron Street, Boston, Massachusetts 02210. SSGA FM is an SEC registered investment advisor and is a wholly-owned subsidiary of State Street Global Advisors, Inc., which itself is a wholly-owned subsidiary of State Street Corporation ("State Street"), a publicly held financial holding company. SSGA FM and other advisory affiliates of State Street make up State Street Global Advisors ("SSGA"), the investment management arm of State Street.

The International Equity Index Trust is managed by SSGA's Global Equity Beta Solutions ("GEBS") Group. Portfolio managers Thomas Coleman and Karl Schneider are jointly and primarily responsible for the day-to-day management of the Portfolio. These managers are employed by SSGA FM.

<b>Fund</b>	<b>Portfolio Managers</b>
<b>International Equity Index Trust</b>	Thomas Coleman, CFA Karl Schneider, CAIA

- *Thomas Coleman, CFA*. Vice President; joined SSGA FM in 1998. Mr. Coleman is a Vice President of SSGA FM and a Senior Portfolio Manager in GEBS. Within GEBS, Mr. Coleman is the Emerging Markets Strategy leader and, as such, he is responsible for the management of a variety of commingled, segregated, and exchange traded products benchmarked to international indices, including MSCI Emerging Markets and ACWI indices, as well as S&P Emerging Markets indices. Mr. Coleman is also responsible for domestic strategies benchmarked to Russell, Standard & Poor's, and NASDAQ indices.
- *Karl Schneider, CAIA*. Managing Director; joined SSGA FM in 1997. Mr. Schneider is a Managing Director of SSGA FM and Deputy Head of GEBS in the Americas, where he also serves as a Senior Portfolio Manager for a number of the group's passive equity portfolios. Previously within GEBS, he served as a portfolio manager and product specialist for U.S. equity strategies and synthetic beta strategies, including commodities, buy/write, and hedge fund replication.

### Templeton Global Advisors Limited ("Templeton Global")

Templeton Global is located at Box N-7759, Lyford Cay, Nassau, Bahamas and has been in the business of providing investment advisory services since 1954. Templeton Global is an indirect wholly owned subsidiary of Franklin Resources, Inc.

Templeton Global has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by Templeton Global.

Fund	Portfolio Managers
Global Trust	Norman J. Boersma, CFA Heather Arnold, CFA Peter M. Moeschter, CFA
<ul style="list-style-type: none"><li>■ <i>Norman J. Boersma, CFA.</i> Chief Investment Officer, Templeton Global Equity Group President, Templeton Global Advisors Limited, Nassau, Bahamas. Norman J. Boersma is the chief investment officer of Templeton Global Equity Group (TGEG) and president of Templeton Global Advisors. He is also lead portfolio manager for Templeton Growth Fund, Templeton Growth (Euro) Fund, Templeton World Fund and related strategies. He joined Templeton Global in 1991.</li><li>■ <i>Heather Arnold, CFA.</i> Executive Vice President, Director of Research, Portfolio Manager, Research Analyst, Templeton Global Equity Group, Templeton Global Advisors Limited, Nassau, Bahamas. Heather Arnold is the director of research for the Templeton Global Equity Group, as well as a portfolio manager and research analyst. Ms. Arnold is the lead portfolio manager for the Templeton Global Fund as well as the lead portfolio manager on a number of Global and International separate accounts. She is also the lead equity portfolio manager of TGIT Templeton Global Balanced Fund, FTIF Templeton Global Income Fund and Templeton Global Balanced Fund in Canada. Ms. Arnold has 30 years industry experience, 11 of which have been at Templeton. She rejoined Templeton Global Equity Group in 2008, having previously served as a Senior Vice President, Portfolio Manager and Research Analyst with Templeton Global Equity Group from 1997 to 2001.</li><li>■ <i>Peter M. Moeschter, CFA.</i> Executive Vice President, Portfolio Manager, Research Analyst, Templeton Global Equity Group, Franklin Templeton Investments Corporation, Toronto, Ontario, Canada. Peter M. Moeschter is an executive vice president with responsibility for retail clients with mandates of global and international equities. Mr. Moeschter has sector research coverage of global food and household products, utilities in Europe and the Americas, with country coverage of Germany, Switzerland, Austria, Belgium, the Netherlands, and Luxembourg. He is the sector team leader of global utilities. He joined Templeton Global in 1997.</li></ul>	

### Templeton Investment Counsel, LLC ("Templeton")

Templeton is located at 300 S. E. 2nd Street, Ft. Lauderdale, Florida 33301, and has been in the business of providing investment advisory services since 1954. Templeton is an indirect wholly owned subsidiary of Franklin Resources, Inc.

Templeton has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by Templeton.

Fund	Portfolio Managers
International Value Trust	Peter Nori, CFA Christopher Peel, CFA
<ul style="list-style-type: none"><li>■ <i>Peter Nori, CFA.</i> Executive Vice President, Portfolio Manager, Templeton Global Equity Group, Templeton Investment Counsel, LLC, Fort Lauderdale, Florida, United States. Peter A. Nori is an executive vice president and portfolio manager for the Templeton Global Equity Group with research responsibility for the global semiconductor industry and is the information technology sector team leader. In addition, he manages several institutional and sub-advised portfolios. He joined Templeton in 1987.</li><li>■ <i>Christopher Peel, CFA.</i> Lead Portfolio Manager, Senior Vice President, Research Analyst and Portfolio Manager, Templeton Global Equity Group, Nassau, Bahamas. He joined Templeton in 2007.</li></ul>	

### T. Rowe Price Associates, Inc. ("T. Rowe Price")

T. Rowe Price, 100 East Pratt Street, Baltimore, Maryland 21202, was founded in 1937. As of December 31, 2018, T. Rowe Price and its affiliates managed over \$962.3 billion for individual and institutional investor accounts.

T. Rowe Price has identified the following persons as primarily responsible for the day-to-day management of the funds' portfolios as set forth below. These managers are employed by T. Rowe Price.

Funds	Portfolio Managers
Blue Chip Growth Trust	Larry J. Puglia, CFA, CPA
Capital Appreciation Value Trust	David R. Giroux, CFA
Equity Income Trust	John D. Linehan, CFA
Health Sciences Trust	Ziad Bakri, MD, CFA
Mid Value Trust	David J. Wallack
Science & Technology Trust	Ken Allen
Small Company Value Trust	J. David Wagner, CFA

- *Ken Allen*. Vice President; joined T. Rowe Price in 2000.
- *Ziad Bakri, MD, CFA*. Vice President; joined T. Rowe Price in 2011.
- *David R. Giroux, CFA*. Vice President; joined T. Rowe Price in 1998.
- *John D. Linehan, CFA*. Vice President; joined T. Rowe Price in 1998.
- *Larry J. Puglia, CFA, CPA*. Vice President; joined T. Rowe Price in 1990.
- *J. David Wagner, CFA*. Vice President; joined T. Rowe Price in 2000.
- *David J. Wallack*. Vice President; joined T. Rowe Price in 1990.

#### **Wellington Management Company LLP (“Wellington Management”)**

Wellington Management is a Delaware limited liability partnership with principal offices at 280 Congress Street, Boston, Massachusetts 02210. Wellington Management is a professional investment counseling firm which provides investment services to investment companies, employee benefit plans, endowments, foundations and other institutions. Wellington Management and its predecessor organizations have provided investment advisory services for over 80 years. Wellington Management is owned by the partners of Wellington Management Group LLP, a Massachusetts limited liability partnership. Wellington Management has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund portfolio(s) as set forth below. These managers are employed by Wellington Management.

<b>Funds</b>	<b>Portfolio Managers</b>
<b>Investment Quality Bond Trust</b>	Robert D. Burn, CFA Campe Goodman, CFA Joseph F. Marvan, CFA
<b>Mid Cap Stock Trust</b>	Michael T. Carmen, CFA Mario E. Abularach, CFA Stephen Mortimer
<b>Small Cap Stock Trust</b>	Steven C. Angeli, CFA Mario E. Abularach, CFA Stephen Mortimer John V. Schneider, CFA
<b>Small Cap Value Trust</b>	Timothy J. McCormack, CFA Shaun F. Pedersen

- *Mario E. Abularach, CFA*. Senior Managing Director and Equity Research Analyst of Wellington Management; joined the firm as an investment professional in 2001.
- *Steven C. Angeli, CFA*. Senior Managing Director and Equity Portfolio Manager of Wellington Management; joined the firm as an investment professional in 1994.
- *Robert D. Burn, CFA*. Managing Director and Fixed Income Portfolio Manager of Wellington Management; joined the firm as an investment professional in 2007.
- *Michael T. Carmen, CFA*. Senior Managing Director and Equity Portfolio Manager of Wellington Management; joined the firm as an investment professional in 1999.
- *Campe Goodman, CFA*. Senior Managing Director and Fixed Income Portfolio Manager of Wellington Management; joined the firm as an investment professional in 2000.
- *Joseph F. Marvan, CFA*. Senior Managing Director and Fixed Income Portfolio Manager of Wellington Management; joined the firm as an investment professional in 2003.
- *Timothy J. McCormack, CFA*. Senior Managing Director and Equity Portfolio Manager of Wellington Management; joined the firm as an investment professional in 2000.
- *Stephen Mortimer*. Senior Managing Director and Equity Portfolio Manager of Wellington Management; joined the firm as an investment professional in 2001.
- *Shaun F. Pedersen*. Senior Managing Director and Equity Portfolio Manager of Wellington Management; joined the firm as an investment professional in 2004.
- *John V. Schneider, CFA*. Vice President and Equity Research Analyst of Wellington Management; joined the firm as an investment professional in 2016.

#### **Wells Capital Management, Incorporated (“WellsCap”)**

WellsCap, located at 525 Market St., San Francisco, California, is a registered investment advisor that provides investment advisory services for registered mutual funds, company retirement plans, foundations, endowments, trust companies and high net-worth individuals. WellsCap is a wholly-owned subsidiary of WFAM Holdings, LLC, which in turn is indirectly wholly-owned by Wells Fargo & Company, a publicly listed company.

WellsCap has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund’s portfolio as set forth below. These managers are employed by WellsCap.

<b>Fund</b>	<b>Portfolio Managers</b>
<b>Core Bond Trust</b>	Maulik Bhansali, CFA Jarad Vasquez Thomas O'Connor, CFA

- *Maulik Bhansali, CFA.* Mr. Bhansali joined Wells Capital Management in 2001, where he currently serves as a Senior Portfolio Manager.
- *Jarad Vasquez.* Mr. Vasquez joined Wells Capital Management in 2007, where he currently serves as a Senior Portfolio Manager.
- *Thomas O'Connor, CFA.* Senior Portfolio Manager and Co-Head of the Montgomery Fixed Income team at Wells Capital Management; joined Wells Capital Management in 2000.

**Western Asset Management Company, LLC ("Western Asset")**  
**Western Asset Management Company Limited serves as sub-subadvisor**

Western Asset, 385 E. Colorado Boulevard, Pasadena, California 91101, is one of the world's leading investment management firms. Its sole business is managing fixed-income portfolios, an activity the Firm has pursued since 1971. From offices in Pasadena, New York, Sao Paulo, London, Dubai, Singapore, Hong Kong, Tokyo and Melbourne, Western Asset's 865 employees perform investment services for a wide variety of global clients. The Firm's clients include charitable, corporate, health care, insurance, mutual fund, public and union organizations, and client portfolios range across an equally wide variety of mandates, from money markets to emerging markets. Western Asset's client base totals 509, representing 40 countries and 1,046 accounts.

Western Asset has identified the following persons as jointly and primarily responsible for the day-to-day management of the fund's portfolio as set forth below. These managers are employed by Western Asset.

<b>Fund</b>	<b>Portfolio Manager</b>
<b>High Yield Trust</b>	Michael C. Buchanan Walter E. Kilcullen S. Kenneth Leech

- *Michael C. Buchanan.* Deputy Chief Investment Officer; joined Western Asset in 2005.
- *Walter E. Kilcullen.* Head of US High Yield; joined Western Asset in 2002.
- *S. Kenneth Leech.* Chief Investment Officer of Western Asset; joined Western Asset in 1990.

## Share classes and Rule 12b-1 plans

### Share classes

The funds may issue four classes of shares: Series I, Series II, Series III and NAV shares (not all funds issue all share classes). Each share class is the same except for differences in the allocation of fund expenses and voting rights as described below.

The expenses of each fund are generally borne by its Series I, Series II, Series III and NAV shares (as applicable) based on the net assets of the fund attributable to shares of each class. "Class expenses," however, are allocated to each class. "Class expenses" include Rule 12b-1 fees (if any) paid by a share class and other expenses determined by the Advisor to be properly allocable to a particular class. The Advisor will make such allocations in a manner and using such methodology as it determines to be reasonably appropriate, subject to ratification or approval by the Board. The kinds of expenses that the Advisor may allocate to a particular class include the following: (i) printing and postage expenses related to preparing and distributing to the shareholders of a specific class (or owners of contracts funded by shares of such class) materials such as shareholder reports, prospectuses and proxies; (ii) professional fees relating solely to such class; (iii) Trustees' fees, including independent counsel fees, relating specifically to one class; and (iv) expenses associated with meetings of shareholders of a particular class.

All shares of each fund have equal voting rights and are voted in the aggregate, and not by class, except that shares of each class have exclusive voting rights on any matter submitted to shareholders that relates solely to the arrangement of that class and have separate voting rights when any matter is submitted to shareholders in which the interests of one class differ from the interests of any other class or when voting by class is otherwise required by law.

### Rule 12b-1 Plans

Rule 12b-1 fees will be paid to JHVIT's Distributor, John Hancock Distributors, LLC, or any successor thereto (the "Distributor").

To the extent consistent with applicable laws, regulations and rules, the Distributor may use Rule 12b-1 fees:

- (i) for any expenses relating to the distribution of the shares of the class,
- (ii) for any expenses relating to shareholder or administrative services for holders of the shares of the class (or owners of contracts funded in insurance company separate accounts that invest in the shares of the class) and
- (iii) for the payment of "service fees" that come within Rule 2341 of the Conduct Rules of the Financial Industry Regulatory Authority.

Without limiting the foregoing, the Distributor may pay all or part of the Rule 12b-1 fees from a fund to one or more affiliated and unaffiliated insurance companies that have issued variable insurance contracts for which the fund serves as an investment vehicle as compensation for providing some or all of the types of services described in the preceding sentence; this provision, however, does not obligate the Distributor to make any payments of Rule 12b-1 fees and does not limit the use that the Distributor may make of the Rule 12b-1 fees it receives. Currently, all such payments

are made to insurance companies affiliated with JHVIT's investment advisor and Distributor. However, payments may be made to nonaffiliated insurance companies in the future.

The annual Rule 12b-1 fee rate currently accrued by each fund is set forth in the expense table of each fund. Subject to the approval of the Board, each fund may under the 12b-1 Plans charge Rule 12b-1 fees up to the following maximum annual rates:

Series I shares

an annual rate of up to 0.15%\* of the net assets of the Series I shares

*\*0.60% in the case of American Asset Allocation Trust, American Global Growth Trust, American Growth-Income Trust, American Growth Trust and American International Trust.*

Series II shares

an annual rate of up to 0.35%\* of the net assets of the Series II shares

*\*0.75% in the case of American Asset Allocation Trust, American Global Growth Trust, American Growth-Income Trust, American Growth Trust and American International Trust.*

Series III shares

an annual rate of up to 0.25% of the net assets of the Series III shares

Rule 12b-1 fees are paid out of a fund's assets on an ongoing basis. Therefore, these fees will increase the cost of an investment in a fund and may, over time, be greater than other types of sales charges.

## General information

### Purchase and redemption of shares

Shares of each fund are offered continuously, without sales charge, and are sold and redeemed at a price equal to their net asset value (NAV) next computed after a purchase payment or redemption request is received. Depending upon the NAV at that time, the amount paid upon redemption may be more or less than the cost of the shares redeemed. Payment for shares redeemed will generally be made within seven days after receipt of a proper notice of redemption. However, JHVIT may suspend the right of redemption or postpone the date of payment beyond seven days during any period when:

- trading on the New York Stock Exchange ("NYSE") is restricted, as determined by the SEC, or the NYSE is closed for other than weekends and holidays;
- an emergency exists, as determined by the SEC, as a result of which disposal by JHVIT of securities owned by it is not reasonably practicable or it is not reasonably practicable for JHVIT fairly to determine the value of its net assets; or
- the SEC by order so permits for the protection of security holders of JHVIT.

Shares of the funds are not sold directly to the public but generally may be sold only to insurance companies and their separate accounts as the underlying investment options for variable annuity and variable life insurance contracts issued by such companies, to certain entities affiliated with the insurance companies, to those funds of JHVIT that operate as funds of funds and invest in other funds ("Underlying Funds") and to certain qualified retirement plans ("qualified plans").

Due to differences in tax treatments and other considerations, the interests of holders of variable annuity and variable life insurance contracts, and the interests of holders of variable contracts and qualified plan investors, that participate in JHVIT may conflict. The Board of Trustees of JHVIT (the "Board" or "Trustees") will monitor events in order to identify the existence of any material irreconcilable conflicts and determine what action, if any, should be taken in response to any such conflict.

### Money Market Trust Only

If the Board of Trustees, including a majority of the Independent Trustees, determines that the deviation between a fund's amortized cost price per share and the market-based NAV per share may result in material dilution or other unfair results, the Board of Trustees, subject to certain conditions, may suspend redemptions and payments in order to facilitate the permanent termination of the fund in an orderly manner. If this were to occur, it would likely result in a delay in your receipt of your redemption proceeds.

### Valuation of shares

The net asset value (NAV) for each class of shares of the funds is normally determined once daily as of the close of regular trading on the New York Stock Exchange (NYSE) (typically 4:00 P.M., Eastern time, on each business day that the NYSE is open). In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the NAV may be determined as of the regularly scheduled close of the NYSE pursuant to the fund's Valuation Policies and Procedures. The time at which shares and transactions are priced and until which orders are accepted may vary to the extent permitted by the Securities and Exchange Commission and applicable regulations. On holidays or other days when the NYSE is closed, the NAV is not calculated and the funds do not transact purchase or redemption requests. Trading of securities that are primarily listed on foreign exchanges may take place on weekends and U.S. business holidays on which the funds' NAV is not calculated. Consequently, each fund's portfolio securities may trade and the NAV of the fund's shares may be significantly affected on days when a shareholder will not be able to purchase or redeem shares of the fund.

Each class of shares of each fund (except Money Market Trust) has its own NAV, which is computed by dividing the total assets, minus liabilities, allocated to each share class by the number of fund shares outstanding for that class.

#### Money Market Trust Only

To help Money Market Trust maintain its \$1.00 stable share price, portfolio investments are valued at cost, and any discount or premium in the fund's acquisition price is amortized to maturity.

#### **Valuation of securities**

Portfolio securities are valued by various methods that are generally described below. Portfolio securities also may be fair valued by the funds' Pricing Committee in certain instances pursuant to procedures established by the Trustees. Equity securities are generally valued at the last sale price or, for certain markets, the official closing price as of the close of the relevant exchange. Securities not traded on a particular day are valued using last available bid prices. A security that is listed or traded on more than one exchange is typically valued at the price on the exchange where the security was acquired or most likely will be sold. In certain instances, the Pricing Committee may determine to value equity securities using prices obtained from another exchange or market if trading on the exchange or market on which prices are typically obtained did not open for trading as scheduled, or if trading closed earlier than scheduled, and trading occurred as normal on another exchange or market. Debt obligations are typically valued based on evaluated prices provided by an independent pricing vendor. The value of securities denominated in foreign currencies is converted into U.S. dollars at the exchange rate supplied by an independent pricing vendor. Forward foreign currency contracts are valued at the prevailing forward rates which are based on foreign currency exchange spot rates and forward points supplied by an independent pricing vendor. Exchange-traded options are valued at the mid-price of the last quoted bid and ask prices. Futures contracts are typically valued at settlement prices. If settlement prices are not available, futures contracts may be valued using last traded prices. Swaps and unlisted options are generally valued using evaluated prices obtained from an independent pricing vendor. Shares of other open-end investment companies that are not ETFs (underlying funds) are valued based on the NAVs of such underlying funds.

Pricing vendors may use matrix pricing or valuation models that utilize certain inputs and assumptions to derive values, including transaction data, broker-dealer quotations, credit quality information, general market conditions, news, and other factors and assumptions. Special valuation considerations may apply with respect to a fund's "odd-lot" positions, as the fund may receive different prices when it sells such positions than it would receive for sales of institutional round lot positions. Pricing vendors generally value securities assuming orderly transactions of institutional round lot sizes, but a fund may hold or transact in such securities in smaller, odd lot sizes.

The Pricing Committee engages in oversight activities with respect to the funds' pricing vendors, which includes, among other things, monitoring significant or unusual price fluctuations above predetermined tolerance levels from the prior day, back-testing of pricing vendor prices against actual trades, conducting periodic due diligence meetings and reviews, and periodically reviewing the inputs, assumptions and methodologies used by these vendors.

If market quotations, official closing prices, or information furnished by a pricing vendor are not readily available or are otherwise deemed unreliable or not representative of the fair value of such security because of market- or issuer-specific events, a security will be valued at its fair value as determined in good faith by the Trustees. The Trustees are assisted in their responsibility to fair value securities by the funds' Pricing Committee, and the actual calculation of a security's fair value may be made by the Pricing Committee acting pursuant to the procedures established by the Trustees. In certain instances, therefore, the Pricing Committee may determine that a reported valuation does not reflect fair value, based on additional information available or other factors, and may accordingly determine in good faith the fair value of the assets, which may differ from the reported valuation.

Fair value pricing of securities is intended to help ensure that a fund's NAV reflects the fair market value of the fund's portfolio securities as of the close of regular trading on the NYSE (as opposed to a value that no longer reflects market value as of such close), thus limiting the opportunity for aggressive traders or market timers to purchase shares of the fund at deflated prices reflecting stale security valuations and promptly sell such shares at a gain, thereby diluting the interests of long-term shareholders. However, a security's valuation may differ depending on the method used for determining value, and no assurance can be given that fair value pricing of securities will successfully eliminate all potential opportunities for such trading gains.

The use of fair value pricing has the effect of valuing a security based upon the price a fund might reasonably expect to receive if it sold that security in an orderly transaction between market participants, but does not guarantee that the security can be sold at the fair value price. Further, because of the inherent uncertainty and subjective nature of fair valuation, a fair valuation price may differ significantly from the value that would have been used had a readily available market price for the investment existed and these differences could be material.

Regarding a fund's investment in an underlying fund that is not an ETF, which (as noted above) is valued at such underlying fund's NAV, the prospectus for such underlying fund explains the circumstances and effects of fair value pricing for that underlying fund.

#### Money Market Trust Only

Money Market Trust operates as a government money market fund, as defined in Rule 2a-7 under the 1940 Act, and, accordingly, uses the amortized cost valuation method, which approximates market value, to value its portfolio securities. The amortized cost method involves valuing a security at its cost on the date of purchase and thereafter assuming a constant amortization to maturity of the difference between the principal amount due at maturity and the cost of the security to the fund.

The Board has established procedures designed to stabilize, to the extent reasonably possible, the fund's price per share as computed for the purpose of sales and redemptions at \$1.00. The procedures direct the Advisor to establish procedures that will allow for the monitoring of the propriety of the continued use of amortized cost valuation to maintain a constant NAV of \$1.00 for the fund. The procedures also direct the Advisor to determine NAV based upon available market quotations ("Shadow Pricing"), pursuant to which daily market values for securities held by the fund will be obtained and compared to such securities' amortized cost values to ensure that the amortized cost values are representative of fair market value pursuant to the funds' procedures. The fund shall value daily: (a) all portfolio instruments for which market quotations are readily available at market; and (b) all portfolio instruments for which market quotations are not readily available or are not obtainable from a pricing service, at their fair value as determined in good faith by the Board (the actual calculations, however, may be made by persons acting pursuant to the direction of the Board.) If the fair value of a security needs to be determined, the Subadvisor will provide determinations, in accordance with procedures and methods established by the Board, of the fair value of securities held by the fund.

In determining market quotations that the fund may use for purposes of Shadow Pricing, pricing vendors may use matrix pricing or models that utilize certain inputs and assumptions to derive market quotations, including transaction data, credit quality information, general market conditions, news, and other factors and assumptions. Special Shadow Pricing considerations may apply with respect to the fund's "odd-lot" positions, as the fund may receive different prices when it sells such positions than it would receive for sales of institutional round lot positions. Pricing vendors generally determine market quotations for securities assuming orderly transactions of institutional round lot sizes, but the fund may transact in such securities in smaller, odd lot sizes.

The Pricing Committee engages in oversight activities with respect to the fund's pricing vendors, which includes, among other things, monitoring significant or unusual price fluctuations above predetermined tolerance levels from the prior day, back-testing of pricing vendor prices against actual trades, conducting periodic due diligence meetings and reviews, and periodically reviewing the inputs, assumptions and methodologies used by these vendors.

In the event that the deviation from the amortized cost exceeds 0.50% of \$1, or \$0.005, per share in NAV, the Advisor shall promptly call a special meeting of the Board to determine what, if any, action should be initiated. Where the Trustees believe the extent of any deviation from the fund's amortized cost NAV may result in material dilution or other unfair results to investors or existing shareholders, they shall take the action they deem appropriate to eliminate or reduce to the extent reasonably practical such dilution or unfair results. The actions that may be taken by the Board include, but are not limited to:

- redeeming shares in kind;
- selling portfolio instruments prior to maturity to realize capital gains or losses or to shorten the average portfolio maturity of the fund;
- withholding or reducing dividends;
- utilizing a NAV based on available market quotations; or
- investing all cash in instruments with a maturity on the next business day.

In certain extraordinary circumstances, the fund may, with Board approval, reduce the number of shares outstanding by redeeming proportionately from shareholders, such number of full and fractional shares as is necessary to maintain the NAV at \$1.00 for the fund. Such reduction in the number of outstanding fund shares would not reduce the value of a shareholder's holdings in the fund, and as a result, no monetary compensation would be paid for the redemption.

Since a dividend is declared to shareholders each time net asset value is determined, the NAV per share of each class of the fund will normally remain constant at \$1.00. There is no assurance that the fund can maintain the \$1.00 NAV. Monthly, any increase in the value of a shareholder's investment in either class from dividends is reflected as an increase in the number of shares of such class in the shareholder's account or is distributed as cash if a shareholder has so elected.

It is expected that the fund's net income will be positive each time it is determined. However, if because of a sudden rise in interest rates or for any other reason the net income of the fund determined at any time is a negative amount, the fund will offset the negative amount against income accrued during the month for each shareholder account. If at the time of payment of a distribution such negative amount exceeds a shareholder's portion of accrued income, the fund may reduce the number of its outstanding shares by treating the shareholder as having contributed to the capital of the fund that number of full or fractional shares which represents the amount of excess. By investing in any class of shares of the fund, shareholders are deemed to have agreed to make such a contribution. This procedure permits the fund to maintain its NAV at \$1.00.

If, in the view of the Trustees, it is inadvisable to continue the practice of maintaining the fund's NAV at \$1.00, the Trustees reserve the right to alter the procedures for determining NAV. The fund will notify shareholders of any such alteration.

## **Dividends**

JHVIT intends to declare as dividends substantially all of the net investment income, if any, of each fund. Dividends from the net investment income and the net capital gain, if any, for each fund will be declared not less frequently than annually and reinvested in additional full and fractional shares of that fund or paid in cash.

### Money Market Trust Only

Money Market Trust seeks to maintain a constant per share NAV of \$1.00. Dividends from net investment income for this fund will generally be declared and reinvested, or paid in cash, as to a share class daily. However, if class expenses exceed class income on any given day, as may occur from



time to time in the current investment environment, the fund may determine not to pay a dividend on the class on that day and to resume paying dividends on that class only when, on a future date, the accumulated net investment income of the class is positive. The accumulated net investment income for a class on any day is equal to the accumulated income attributable to that class less the accumulated expenses attributable to that class since the last payment of a dividend on that class. When the fund resumes paying a dividend on a class, the amount of the initial dividend will be the accumulated net investment income for the class on the date of payment. As a result of this policy, the fund: (1) on any given day, may pay a dividend on all of its classes, on none of its classes or on some but not all of its classes; (2) may not pay a dividend on one or more classes for one or more indeterminate periods which may be as short as a day or quite lengthy; and (3) may, during a period in which it does not pay a dividend on a class, have days on which the net investment income for that class is positive but is not paid as a dividend because the accumulated net investment income for the class continues to be negative. In addition, a shareholder who purchases shares of a class with a negative accumulated net investment income could hold those shares during a period of positive net investment income and never receive a dividend unless and until that accumulated positive net investment income exceeded the negative accumulated net investment income at the time of purchase.

### **Disruptive short term trading**

None of the funds are designed for short-term trading (frequent purchases and redemption of shares) or market timing activities, which may increase portfolio transaction costs, disrupt management of a fund (affecting a subadvisor's ability to effectively manage a fund in accordance with its investment objective and policies), dilute the interest in a fund held for long-term investment or adversely affect a fund's performance ("Disruptive Short-Term Trading").

The Board has adopted procedures to deter Disruptive Short-Term Trading and JHVIT seeks to deter and prevent such trading through several methods:

First, to the extent that there is a delay between a change in the value of a fund's holdings, and the time when that change is reflected in the NAV of the fund's shares, the fund is exposed to the risk that investors may seek to exploit this delay by purchasing or redeeming shares at NAVs that do not reflect appropriate fair value prices. JHVIT seeks to deter and prevent this activity, sometimes referred to as "market timing" or "stale price arbitrage," by the appropriate use of "fair value" pricing of the funds' portfolio securities. See "Purchases and Redemption of Shares" above for further information on fair value pricing.

Second, management of JHVIT will monitor purchases and redemptions of JHVIT shares either directly or through procedures adopted by the affiliated insurance companies that use JHVIT as their underlying investment vehicle. If management of JHVIT becomes aware of short-term trading that it believes, in its sole discretion, is having or may potentially have the effect of materially increasing portfolio transaction costs, significantly disrupting portfolio management or significantly diluting the interest in a fund held for long-term investment i.e. Disruptive Short-Term Trading, JHVIT may impose restrictions on such trading as described below.

Pursuant to Rule 22c-2 under the 1940 Act, JHVIT and each insurance company that uses JHVIT as an underlying investment vehicle have entered into information sharing agreements under which the insurance companies are obligated to: (i) adopt, and enforce during the term of the agreement, a short-term trading policy that the insurance company reasonably believes is designed to deter disruptive short-term trading; (ii) furnish JHVIT, upon its request, with information regarding contract holder trading activities in shares of JHVIT; and (iii) enforce its short term trading policy with respect to contract holders identified by JHVIT as having engaged in Disruptive Short-Term Trading. Further, when requested information regarding contract holder trading activities is in the possession of a financial intermediary rather than the insurance company, the agreement obligates the insurance company to undertake to obtain such information from the financial intermediary or, if directed by JHVIT, to cease to accept trading instructions from the financial intermediary for the contract holder unless such instructions are sent to the financial intermediary by regular U.S. mail.

Investors in JHVIT should note that insurance companies have legal and technological limitations on their ability to impose restrictions on Disruptive Short-Term Trading that such limitations and ability may vary among insurance companies and by insurance product. Investors should also note that insurance company separate accounts and omnibus or other nominee accounts, in which purchases and sales of fund shares by multiple investors are aggregated for presentation to a fund on a net basis, inherently make it more difficult for JHVIT to identify short-term transactions in a fund and the investor who is effecting the transaction. Therefore, no assurance can be given that JHVIT will be able to impose uniform restrictions on all insurance companies and all insurance products or that it will be able to successfully impose restrictions on all Disruptive Short-Term Trading. If JHVIT is unsuccessful in restricting Disruptive Short-Term Trading, the affected funds may incur higher brokerage costs, may maintain higher cash levels (limiting their ability to achieve their investment objective and affecting the subadvisor's ability to effectively manage them) and may be exposed to dilution with respect to interests held for long-term investment.

Market timers may target funds with the following types of investments:

- i. Funds with significant investments in foreign securities traded on markets that close before the fund determines its NAV;
- ii. Funds with significant investments in high yield securities that are infrequently traded; and
- iii. Funds with significant investments in small cap securities.

Market timers may also target funds with other types of investments for frequent trading of shares.

### **Money Market Trust Only**

The fund does not knowingly accept shareholders who engage in market timing or other types of excessive short-term trading. Short-term trading into and out of the fund can disrupt portfolio investment strategies and may increase fund expenses for all shareholders, including long-term shareholders who do not generate these costs. However, money market funds are typically utilized by investors for short-term investments. Investors in money market funds value the ability to add and withdraw their funds quickly and without restrictions.

Moreover, because Government money market funds seek to maintain a \$1.00 per share price and typically do not fluctuate in market value, they generally are not the targets of abusive trading practices. For these reasons, the fund's Board of Trustees has not adopted policies and procedures with respect to frequent purchases and redemptions of the fund's shares, and the fund does not impose redemption fees or minimum holding periods for

its investors. However, the fund's management will seek to prevent an investor from utilizing the fund to facilitate frequent purchases and redemptions of shares in other JHVIT funds that are not money market funds. The JHVIT funds have adopted policies and procedures with respect to excessive trading and potential market timing activity for the non-money market JHVIT funds (as described in the prospectus for the non-money market JHVIT funds), and a contract holder will be prevented from purchasing additional shares or making further exchanges if the fund's management determines that a contract holder has engaged in timing activities in contravention of a non-money market JHVIT fund's policies.

**Policy regarding disclosure of fund portfolio holdings**

A description of the funds' policies and procedures regarding disclosure of portfolio holdings can be found in the SAI.

**Additional information about fund expenses**

Each fund's annual operating expenses will likely vary throughout the period and from year to year. Each fund's expenses for the current fiscal year may be higher than the expenses listed in the fund's "Annual fund operating expenses" table, for some of the following reasons: (i) a significant decrease in average net assets may result in a higher advisory fee rate if advisory fee breakpoints are not achieved; (ii) a significant decrease in average net assets may result in an increase in the expense ratio because certain fund expenses do not decrease as asset levels decrease; or (iii) fees may be incurred for extraordinary events such as fund tax expenses.

# Financial highlights

The financial highlights table below for each fund is intended to help investors understand the financial performance of the fund for the past five years (or since inception in the case of a fund in operation for less than five years.) Certain information reflects financial results for a single share of a fund. The total returns presented in the table represent the rate that an investor would have earned (or lost) on an investment in a particular fund (assuming reinvestment of all dividends and distributions). The total return information shown in the Financial Highlights tables does not reflect the fees and expenses of any separate account that may use John Hancock Variable Insurance Trust ("JHVIT") as its underlying investment option or of any variable insurance contract that may be funded in such a separate account. If these fees and expenses were included, the total return figures for all periods shown would be reduced.

The financial statements of JHVIT as of December 31, 2018, have been audited by PricewaterhouseCoopers LLP, independent registered public accounting firm. The report of PricewaterhouseCoopers LLP, along with JHVIT's financial statements, as they appear in JHVIT's annual report, has been incorporated by reference into the SAI. Copies of JHVIT's annual report are available upon request.

## 500 Index Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	32.20	0.60	(2.02)	(1.42)	(0.44)	(0.53)	(0.97)	29.81	(4.69)	0.55	0.30	1.81	3,026	4	
12-31-2017	27.29	0.50	5.31	5.81	(0.52)	(0.38)	(0.90)	32.20	21.52	0.55	0.30	1.69	3,135	3	
12-31-2016	25.26	0.50	2.40	2.90	(0.45)	(0.42)	(0.87)	27.29	11.59	0.54	0.30	1.91	2,529	4 <sup>3</sup>	
12-31-2015	25.68	0.48	(0.20)	0.28	(0.44)	(0.26)	(0.70)	25.26	1.10	0.54	0.30	1.85	2,024	4	
12-31-2014	23.34	0.42	2.68	3.10	(0.39)	(0.37)	(0.76)	25.68	13.33	0.54	0.30	1.71	1,880	2	
Series II															
12-31-2018	32.22	0.53	(2.01)	(1.48)	(0.38)	(0.53)	(0.91)	29.83	(4.88)	0.75	0.50	1.61	66	4	
12-31-2017	27.31	0.45	5.30	5.75	(0.46)	(0.38)	(0.84)	32.22	21.28	0.75	0.50	1.50	74	3	
12-31-2016	25.29	0.45	2.39	2.84	(0.40)	(0.42)	(0.82)	27.31	11.37	0.74	0.50	1.72	64	4 <sup>3</sup>	
12-31-2015	25.71	0.42	(0.20)	0.22	(0.38)	(0.26)	(0.64)	25.29	0.86	0.74	0.50	1.64	51	4	
12-31-2014	23.36	0.37	2.69	3.06	(0.34)	(0.37)	(0.71)	25.71	13.15	0.74	0.50	1.51	55	2	
Series NAV															
12-31-2018	32.19	0.61	(2.01)	(1.40)	(0.46)	(0.53)	(0.99)	29.80	(4.65)	0.50	0.25	1.86	1,721	4	
12-31-2017	27.29	0.52	5.29	5.81	(0.53)	(0.38)	(0.91)	32.19	21.54	0.50	0.25	1.75	1,892	3	
12-31-2016	25.26	0.51	2.40	2.91	(0.46)	(0.42)	(0.88)	27.29	11.64	0.49	0.25	1.96	1,641	4 <sup>3</sup>	
12-31-2015	25.68	0.49	(0.20)	0.29	(0.45)	(0.26)	(0.71)	25.26	1.15	0.49	0.25	1.89	1,442	4	
12-31-2014	23.33	0.43	2.69	3.12	(0.40)	(0.37)	(0.77)	25.68	13.43	0.49	0.25	1.76	1,530	2	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Excludes merger activity.

## Active Bond Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	9.57	0.30	(0.36)	(0.06)	(0.30)	—	(0.30)	9.21	(0.60)	0.70	0.70	3.18	35	63
12-31-2017	9.45	0.29	0.17	0.46	(0.34)	—	(0.34)	9.57	4.84	0.70	0.69	3.01	38	86
12-31-2016	9.40	0.31	0.10	0.41	(0.36)	—	(0.36)	9.45	4.34	0.68 <sup>3</sup>	0.68 <sup>3</sup>	3.18	41	84
12-31-2015	9.88	0.33	(0.31)	0.02	(0.50)	—	(0.50)	9.40	0.17	0.69	0.69	3.31	44	60
12-31-2014	9.60	0.31	0.34	0.65	(0.37)	—	(0.37)	9.88	6.81	0.69	0.68	3.13	49	62
Series II														
12-31-2018	9.59	0.28	(0.36)	(0.08)	(0.28)	—	(0.28)	9.23	(0.80)	0.90	0.90	2.98	141	63
12-31-2017	9.47	0.28	0.16	0.44	(0.32)	—	(0.32)	9.59	4.63	0.90	0.89	2.81	167	86
12-31-2016	9.41	0.29	0.11	0.40	(0.34)	—	(0.34)	9.47	4.23	0.88 <sup>3</sup>	0.88 <sup>3</sup>	2.98	167	84
12-31-2015	9.90	0.31	(0.32)	(0.01)	(0.48)	—	(0.48)	9.41	(0.14)	0.89	0.89	3.13	184	60
12-31-2014	9.62	0.29	0.34	0.63	(0.35)	—	(0.35)	9.90	6.59	0.89	0.88	2.94	215	62
Series NAV														
12-31-2018	9.58	0.30	(0.36)	(0.06)	(0.30)	—	(0.30)	9.22	(0.55)	0.65	0.65	3.24	502	63
12-31-2017	9.46	0.30	0.16	0.46	(0.34)	—	(0.34)	9.58	4.89	0.65	0.64	3.06	535	86
12-31-2016	9.40	0.31	0.11	0.42	(0.36)	—	(0.36)	9.46	4.50	0.63 <sup>3</sup>	0.63 <sup>3</sup>	3.23	536	84
12-31-2015	9.89	0.33	(0.32)	0.01	(0.50)	—	(0.50)	9.40	0.12	0.64	0.64	3.35	546	60
12-31-2014	9.60	0.32	0.35	0.67	(0.38)	—	(0.38)	9.89	6.97	0.64	0.63	3.17	573	62

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.01%.

## American Asset Allocation Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	14.29	0.18 <sup>3</sup>	(0.76)	(0.58)	(0.16)	(1.71)	(1.87)	11.84	(4.91)	0.63 <sup>4</sup>	0.62 <sup>4</sup>	1.27 <sup>3</sup>	262	6	
12-31-2017	13.36	0.17 <sup>3</sup>	1.89	2.06	(0.16)	(0.97)	(1.13)	14.29	15.79	0.63 <sup>4</sup>	0.62 <sup>4</sup>	1.17 <sup>3</sup>	283	6	
12-31-2016	14.21	0.18 <sup>3</sup>	1.06	1.24	(0.17)	(1.92)	(2.09)	13.36	8.99	0.61 <sup>4,5</sup>	0.60 <sup>4,5</sup>	1.29 <sup>3</sup>	244	4	
12-31-2015	15.75	0.20 <sup>3</sup>	(0.10)	0.10	(0.19)	(1.45)	(1.64)	14.21	1.06	0.62 <sup>4</sup>	0.61 <sup>4</sup>	1.27 <sup>3</sup>	220	9	
12-31-2014	15.22	0.17 <sup>3</sup>	0.60	0.77	(0.17)	(0.07)	(0.24)	15.75	5.05	0.62 <sup>4</sup>	0.61 <sup>4</sup>	1.11 <sup>3</sup>	227	7	
Series II															
12-31-2018	14.30	0.15 <sup>3</sup>	(0.75)	(0.60)	(0.15)	(1.71)	(1.86)	11.84	(5.06)	0.78 <sup>4</sup>	0.71 <sup>4</sup>	1.11 <sup>3</sup>	934	6	
12-31-2017	13.37	0.14 <sup>3</sup>	1.91	2.05	(0.15)	(0.97)	(1.12)	14.30	15.69	0.78 <sup>4</sup>	0.71 <sup>4</sup>	1.00 <sup>3</sup>	1,141	6	
12-31-2016	14.21	0.15 <sup>3</sup>	1.08	1.23	(0.15)	(1.92)	(2.07)	13.37	8.92	0.76 <sup>4,5</sup>	0.72 <sup>4,5</sup>	1.08 <sup>3</sup>	1,133	4	
12-31-2015	15.75	0.16 <sup>3</sup>	(0.09)	0.07	(0.16)	(1.45)	(1.61)	14.21	0.91	0.77 <sup>4</sup>	0.76 <sup>4</sup>	1.05 <sup>3</sup>	1,168	9	
12-31-2014	15.22	0.14 <sup>3</sup>	0.61	0.75	(0.15)	(0.07)	(0.22)	15.75	4.89	0.77 <sup>4</sup>	0.76 <sup>4</sup>	0.90 <sup>3</sup>	1,320	7	
Series III															
12-31-2018	14.30	0.22 <sup>3</sup>	(0.76)	(0.54)	(0.21)	(1.71)	(1.92)	11.84	(4.62)	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.56 <sup>3</sup>	116	6	
12-31-2017	13.36	0.21 <sup>3</sup>	1.91	2.12	(0.21)	(0.97)	(1.18)	14.30	16.25	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.45 <sup>3</sup>	141	6	
12-31-2016	14.20	0.22 <sup>3</sup>	1.08	1.30	(0.22)	(1.92)	(2.14)	13.36	9.43	0.26 <sup>4,5</sup>	0.25 <sup>4,5</sup>	1.55 <sup>3</sup>	137	4	
12-31-2015	15.75	0.24 <sup>3</sup>	(0.10)	0.14	(0.24)	(1.45)	(1.69)	14.20	1.34	0.27 <sup>4</sup>	0.26 <sup>4</sup>	1.56 <sup>3</sup>	138	9	
12-31-2014	15.22	0.21 <sup>3</sup>	0.61	0.82	(0.22)	(0.07)	(0.29)	15.75	5.40	0.27 <sup>4</sup>	0.26 <sup>4</sup>	1.37 <sup>3</sup>	156	7	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.
5. Includes reimbursement for overbilling of custody expenses in prior years of 0.01%.

## American Global Growth Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	16.10	0.05 <sup>3</sup>	(1.43)	(1.38)	(0.04)	(1.00)	(1.04)	13.68	(9.37)	0.64 <sup>4</sup>	0.64 <sup>4</sup>	0.29 <sup>3</sup>	17	11
12-31-2017	13.43	0.05 <sup>3</sup>	4.00	4.05	(0.04)	(1.34)	(1.38)	16.10	30.91	0.65 <sup>4</sup>	0.64 <sup>4</sup>	0.33 <sup>3</sup>	19	9
12-31-2016	15.38	0.10 <sup>3</sup>	(0.01)	0.09	(0.08)	(1.96)	(2.04)	13.43	0.28	0.64 <sup>4</sup>	0.60 <sup>4</sup>	0.69 <sup>3</sup>	13	14
12-31-2015	15.86	0.14 <sup>3</sup>	0.87	1.01	(0.39)	(1.10)	(1.49)	15.38	6.64	0.64 <sup>4</sup>	0.55 <sup>4</sup>	0.88 <sup>3</sup>	12	17
12-31-2014	15.68	0.15 <sup>3</sup>	0.16	0.31	(0.13)	—	(0.13)	15.86	1.96	0.63 <sup>4</sup>	0.58 <sup>4</sup>	0.97 <sup>3</sup>	8	13
Series II														
12-31-2018	16.06	0.03 <sup>3</sup>	(1.42)	(1.39)	(0.03)	(1.00)	(1.03)	13.64	(9.46)	0.79 <sup>4</sup>	0.71 <sup>4</sup>	0.16 <sup>3</sup>	144	11
12-31-2017	13.39	0.03 <sup>3</sup>	4.01	4.04	(0.03)	(1.34)	(1.37)	16.06	30.92	0.80 <sup>4</sup>	0.71 <sup>4</sup>	0.16 <sup>3</sup>	185	9
12-31-2016	15.35	0.06 <sup>3</sup>	—	0.06	(0.06)	(1.96)	(2.02)	13.39	0.10	0.79 <sup>4</sup>	0.70 <sup>4</sup>	0.42 <sup>3</sup>	166	14
12-31-2015	15.83	0.09 <sup>3</sup>	0.90	0.99	(0.37)	(1.10)	(1.47)	15.35	6.50	0.79 <sup>4</sup>	0.70 <sup>4</sup>	0.55 <sup>3</sup>	193	17
12-31-2014	15.65	0.10 <sup>3</sup>	0.19	0.29	(0.11)	—	(0.11)	15.83	1.82	0.78 <sup>4</sup>	0.74 <sup>4</sup>	0.62 <sup>3</sup>	203	13
Series III														
12-31-2018	16.05	0.10 <sup>3</sup>	(1.43)	(1.33)	(0.09)	(1.00)	(1.09)	13.63	(9.04)	0.29 <sup>4</sup>	0.29 <sup>4</sup>	0.60 <sup>3</sup>	27	11
12-31-2017	13.39	0.09 <sup>3</sup>	4.00	4.09	(0.09)	(1.34)	(1.43)	16.05	31.34	0.30 <sup>4</sup>	0.29 <sup>4</sup>	0.56 <sup>3</sup>	32	9
12-31-2016	15.34	0.13 <sup>3</sup>	0.01	0.14	(0.13)	(1.96)	(2.09)	13.39	0.63	0.29 <sup>4</sup>	0.24 <sup>4</sup>	0.90 <sup>3</sup>	31	14
12-31-2015	15.82	0.17 <sup>3</sup>	0.90	1.07	(0.45)	(1.10)	(1.55)	15.34	7.02	0.29 <sup>4</sup>	0.20 <sup>4</sup>	1.02 <sup>3</sup>	31	17
12-31-2014	15.64	0.18 <sup>3</sup>	0.18	0.36	(0.18)	—	(0.18)	15.82	2.31	0.28 <sup>4</sup>	0.24 <sup>4</sup>	1.12 <sup>3</sup>	36	13

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## American Growth Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	20.17	0.01 <sup>3</sup>	0.32	0.33	—	(3.95)	(3.95)	16.55	(0.66)	0.63 <sup>4</sup>	0.62 <sup>4</sup>	0.06 <sup>3</sup>	121	13	
12-31-2017	18.62	0.03 <sup>3</sup>	4.86	4.89	(0.02)	(3.32)	(3.34)	20.17	27.87	0.63 <sup>4</sup>	0.62 <sup>4</sup>	0.13 <sup>3</sup>	130	11	
12-31-2016	24.15	0.09 <sup>3</sup>	1.89	1.98	(0.07)	(7.44)	(7.51)	18.62	9.08	0.62 <sup>4</sup>	0.62 <sup>4</sup>	0.41 <sup>3</sup>	109	12	
12-31-2015	24.07	0.04 <sup>3</sup>	1.43	1.47	(0.06)	(1.33)	(1.39)	24.15	6.44	0.62 <sup>4</sup>	0.62 <sup>4</sup>	0.18 <sup>3</sup>	104	21	
12-31-2014	22.44	0.20 <sup>3</sup>	1.63	1.83	(0.20)	—	(0.20)	24.07	8.13	0.62 <sup>4</sup>	0.61 <sup>4</sup>	0.85 <sup>3</sup>	118	7	
Series II															
12-31-2018	20.06	(0.01) <sup>3</sup>	0.33	0.32	—	(3.94)	(3.94)	16.44	(0.71)	0.78 <sup>4</sup>	0.68 <sup>4</sup>	(0.03) <sup>3</sup>	574	13	
12-31-2017	18.54	0.01 <sup>3</sup>	4.84	4.85	(0.01)	(3.32)	(3.33)	20.06	27.74	0.78 <sup>4</sup>	0.68 <sup>4</sup>	0.04 <sup>3</sup>	688	11	
12-31-2016	24.08	0.07 <sup>3</sup>	1.89	1.96	(0.06)	(7.44)	(7.50)	18.54	9.03	0.77 <sup>4</sup>	0.68 <sup>4</sup>	0.32 <sup>3</sup>	658	12	
12-31-2015	23.99	0.02 <sup>3</sup>	1.42	1.44	(0.02)	(1.33)	(1.35)	24.08	6.35	0.77 <sup>4</sup>	0.72 <sup>4</sup>	0.10 <sup>3</sup>	707	21	
12-31-2014	22.37	0.14 <sup>3</sup>	1.64	1.78	(0.16)	—	(0.16)	23.99	7.96	0.77 <sup>4</sup>	0.76 <sup>4</sup>	0.63 <sup>3</sup>	804	7	
Series III															
12-31-2018	20.06	0.08 <sup>3</sup>	0.32	0.40	(0.05)	(3.97)	(4.02)	16.44	(0.28)	0.28 <sup>4</sup>	0.27 <sup>4</sup>	0.38 <sup>3</sup>	83	13	
12-31-2017	18.54	0.09 <sup>3</sup>	4.84	4.93	(0.09)	(3.32)	(3.41)	20.06	28.22	0.28 <sup>4</sup>	0.27 <sup>4</sup>	0.44 <sup>3</sup>	98	11	
12-31-2016	24.07	0.16 <sup>3</sup>	1.90	2.06	(0.15)	(7.44)	(7.59)	18.54	9.48	0.27 <sup>4</sup>	0.27 <sup>4</sup>	0.75 <sup>3</sup>	94	12	
12-31-2015	23.98	0.14 <sup>3</sup>	1.43	1.57	(0.15)	(1.33)	(1.48)	24.07	6.87	0.27 <sup>4</sup>	0.27 <sup>4</sup>	0.56 <sup>3</sup>	94	21	
12-31-2014	22.36	0.26 <sup>3</sup>	1.64	1.90	(0.28)	—	(0.28)	23.98	8.47	0.27 <sup>4</sup>	0.26 <sup>4</sup>	1.14 <sup>3</sup>	106	7	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## American Growth-Income Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	17.69	0.17 <sup>3</sup>	(0.32)	(0.15)	(0.17)	(2.34)	(2.51)	15.03	(2.18)	0.63 <sup>4</sup>	0.62 <sup>4</sup>	0.97 <sup>3</sup>	240	11
12-31-2017	17.58	0.18 <sup>3</sup>	3.37	3.55	(0.17)	(3.27)	(3.44)	17.69	22.03	0.63 <sup>4</sup>	0.62 <sup>4</sup>	1.00 <sup>3</sup>	275	8
12-31-2016	21.16	0.22 <sup>3</sup>	1.94	2.16	(0.19)	(5.55)	(5.74)	17.58	11.10	0.62 <sup>4</sup>	0.61 <sup>4</sup>	1.10 <sup>3</sup>	247	13
12-31-2015	24.00	0.21 <sup>3</sup>	(0.07)	0.14	(0.20)	(2.78)	(2.98)	21.16	1.11	0.62 <sup>4</sup>	0.61 <sup>4</sup>	0.89 <sup>3</sup>	240	17
12-31-2014	21.96	0.21 <sup>3</sup>	2.04	2.25	(0.21)	—	(0.21)	24.00	10.25	0.62 <sup>4</sup>	0.61 <sup>4</sup>	0.90 <sup>3</sup>	267	6
Series II														
12-31-2018	17.63	0.15 <sup>3</sup>	(0.31)	(0.16)	(0.16)	(2.34)	(2.50)	14.97	(2.27)	0.78 <sup>4</sup>	0.70 <sup>4</sup>	0.85 <sup>3</sup>	492	11
12-31-2017	17.54	0.16 <sup>3</sup>	3.35	3.51	(0.15)	(3.27)	(3.42)	17.63	21.89	0.78 <sup>4</sup>	0.70 <sup>4</sup>	0.87 <sup>3</sup>	594	8
12-31-2016	21.12	0.19 <sup>3</sup>	1.96	2.15	(0.18)	(5.55)	(5.73)	17.54	11.06	0.77 <sup>4</sup>	0.69 <sup>4</sup>	0.97 <sup>3</sup>	585	13
12-31-2015	23.96	0.18 <sup>3</sup>	(0.07)	0.11	(0.17)	(2.78)	(2.95)	21.12	0.96	0.77 <sup>4</sup>	0.73 <sup>4</sup>	0.77 <sup>3</sup>	628	17
12-31-2014	21.92	0.16 <sup>3</sup>	2.06	2.22	(0.18)	—	(0.18)	23.96	10.12	0.77 <sup>4</sup>	0.76 <sup>4</sup>	0.68 <sup>3</sup>	730	6
Series III														
12-31-2018	17.65	0.23 <sup>3</sup>	(0.32)	(0.09)	(0.23)	(2.34)	(2.57)	14.99	(1.82)	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.30 <sup>3</sup>	189	11
12-31-2017	17.55	0.24 <sup>3</sup>	3.36	3.60	(0.23)	(3.27)	(3.50)	17.65	22.39	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.30 <sup>3</sup>	222	8
12-31-2016	21.12	0.28 <sup>3</sup>	1.96	2.24	(0.26)	(5.55)	(5.81)	17.55	11.54	0.27 <sup>4</sup>	0.26 <sup>4</sup>	1.42 <sup>3</sup>	218	13
12-31-2015	23.96	0.29 <sup>3</sup>	(0.06)	0.23	(0.29)	(2.78)	(3.07)	21.12	1.46	0.27 <sup>4</sup>	0.26 <sup>4</sup>	1.24 <sup>3</sup>	219	17
12-31-2014	21.92	0.27 <sup>3</sup>	2.07	2.34	(0.30)	—	(0.30)	23.96	10.64	0.27 <sup>4</sup>	0.26 <sup>4</sup>	1.19 <sup>3</sup>	252	6

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## American International Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	21.93	0.28 <sup>3</sup>	(3.14)	(2.86)	(0.27)	(1.13)	(1.40)	17.67	(13.46)	0.63 <sup>4</sup>	0.62 <sup>4</sup>	1.32 <sup>3</sup>	119	20
12-31-2017	17.71	0.19 <sup>3</sup>	5.34	5.53	(0.18)	(1.13)	(1.31)	21.93	31.65	0.63 <sup>4</sup>	0.62 <sup>4</sup>	0.90 <sup>3</sup>	132	9
12-31-2016	17.35	0.17 <sup>3</sup>	0.37	0.54	(0.18)	—	(0.18)	17.71	3.12	0.63 <sup>4</sup>	0.62 <sup>4</sup>	0.99 <sup>3</sup>	93	17
12-31-2015	18.45	0.22 <sup>3</sup>	(1.11)	(0.89)	(0.21)	—	(0.21)	17.35	(4.82)	0.63 <sup>4</sup>	0.62 <sup>4</sup>	1.14 <sup>3</sup>	98	15
12-31-2014	19.23	0.21 <sup>3</sup>	(0.79)	(0.58)	(0.20)	—	(0.20)	18.45	(3.05)	0.62 <sup>4</sup>	0.62 <sup>4</sup>	1.08 <sup>3</sup>	89	6
Series II														
12-31-2018	21.92	0.24 <sup>3</sup>	(3.13)	(2.89)	(0.24)	(1.13)	(1.37)	17.66	(13.59)	0.78 <sup>4</sup>	0.75 <sup>4</sup>	1.11 <sup>3</sup>	300	20
12-31-2017	17.70	0.14 <sup>3</sup>	5.36	5.50	(0.15)	(1.13)	(1.28)	21.92	31.49	0.78 <sup>4</sup>	0.75 <sup>4</sup>	0.69 <sup>3</sup>	381	9
12-31-2016	17.34	0.14 <sup>3</sup>	0.37	0.51	(0.15)	—	(0.15)	17.70	2.97	0.78 <sup>4</sup>	0.75 <sup>4</sup>	0.82 <sup>3</sup>	361	17
12-31-2015	18.44	0.18 <sup>3</sup>	(1.10)	(0.92)	(0.18)	—	(0.18)	17.34	(4.98)	0.78 <sup>4</sup>	0.76 <sup>4</sup>	0.93 <sup>3</sup>	395	15
12-31-2014	19.21	0.15 <sup>3</sup>	(0.75)	(0.60)	(0.17)	—	(0.17)	18.44	(3.15)	0.77 <sup>4</sup>	0.77 <sup>4</sup>	0.79 <sup>3</sup>	468	6
Series III														
12-31-2018	21.86	0.34 <sup>3</sup>	(3.14)	(2.80)	(0.34)	(1.13)	(1.47)	17.59	(13.20)	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.61 <sup>3</sup>	35	20
12-31-2017	17.65	0.24 <sup>3</sup>	5.35	5.59	(0.25)	(1.13)	(1.38)	21.86	32.12	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.16 <sup>3</sup>	43	9
12-31-2016	17.29	0.23 <sup>3</sup>	0.37	0.60	(0.24)	—	(0.24)	17.65	3.49	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.33 <sup>3</sup>	41	17
12-31-2015	18.40	0.27 <sup>3</sup>	(1.10)	(0.83)	(0.28)	—	(0.28)	17.29	(4.54)	0.28 <sup>4</sup>	0.27 <sup>4</sup>	1.44 <sup>3</sup>	43	15
12-31-2014	19.17	0.26 <sup>3</sup>	(0.77)	(0.51)	(0.26)	—	(0.26)	18.40	(2.66)	0.27 <sup>4</sup>	0.27 <sup>4</sup>	1.33 <sup>3</sup>	50	6

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Blue Chip Growth Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	34.92	(0.01)	1.32	1.31	(0.01)	(5.26)	(5.27)	30.96	1.97	0.84	0.80	(0.02)	289	35
12-31-2017	27.45	(0.01)	9.74	9.73	(0.02)	(2.24)	(2.26)	34.92	36.28	0.85	0.82	(0.02)	323	25
12-31-2016	32.45	0.02	0.17	0.19	— <sup>3</sup>	(5.19)	(5.19)	27.45	0.81	0.85 <sup>4</sup>	0.82 <sup>4</sup>	0.07	270	30
12-31-2015	35.88	0.01	3.48	3.49	—	(6.92)	(6.92)	32.45	11.06	0.87	0.83	0.03	311	29
12-31-2014	34.23	(0.04)	3.12	3.08	—	(1.43)	(1.43)	35.88	9.07	0.86	0.83	(0.12)	313	26
Series II														
12-31-2018	34.10	(0.08)	1.31	1.23	—	(5.26)	(5.26)	30.07	1.78	1.04	1.00	(0.22)	123	35
12-31-2017	26.89	(0.07)	9.52	9.45	—	(2.24)	(2.24)	34.10	35.96	1.05	1.02	(0.22)	132	25
12-31-2016	31.95	(0.04)	0.17	0.13	—	(5.19)	(5.19)	26.89	0.62	1.05 <sup>4</sup>	1.01 <sup>4</sup>	(0.13)	115	30
12-31-2015	35.50	(0.06)	3.43	3.37	—	(6.92)	(6.92)	31.95	10.83	1.07	1.03	(0.17)	136	29
12-31-2014	33.94	(0.11)	3.10	2.99	—	(1.43)	(1.43)	35.50	8.88	1.06	1.03	(0.32)	132	26
Series NAV														
12-31-2018	34.92	0.01	1.32	1.33	(0.02)	(5.26)	(5.28)	30.97	2.03	0.79	0.75	0.04	1,512	35
12-31-2017	27.45	0.01	9.74	9.75	(0.04)	(2.24)	(2.28)	34.92	36.34	0.80	0.77	0.03	1,342	25
12-31-2016	32.45	0.04	0.17	0.21	(0.02)	(5.19)	(5.21)	27.45	0.85	0.80 <sup>4</sup>	0.76 <sup>4</sup>	0.12	1,182	30
12-31-2015	35.86	0.03	3.48	3.51	—	(6.92)	(6.92)	32.45	11.13	0.82	0.78	0.08	1,260	29
12-31-2014	34.20	(0.02)	3.11	3.09	—	(1.43)	(1.43)	35.86	9.11	0.81	0.78	(0.07)	1,314	26

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Less than \$0.005 per share.
4. Includes reimbursement for overbilling of custody expenses in prior years of 0.01%.

## Capital Appreciation Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	14.65	0.02	0.23	0.25	(0.04)	(2.77)	(2.81)	12.09	(0.80)	0.80	0.79	0.13	169	37
12-31-2017	11.69	— <sup>3</sup>	4.15	4.15	(0.01)	(1.18)	(1.19)	14.65	36.53	0.80	0.79	0.03	192	47
12-31-2016	14.12	0.01	(0.14)	(0.13)	—	(2.30)	(2.30)	11.69	(1.08)	0.77 <sup>4</sup>	0.76 <sup>4</sup>	0.08	164	45
12-31-2015	15.47	— <sup>3</sup>	1.57	1.57	—	(2.92)	(2.92)	14.12	11.46	0.79	0.78	(0.01)	192	30
12-31-2014	15.78	— <sup>3</sup>	1.50	1.50	(0.01)	(1.80)	(1.81)	15.47	9.65	0.78	0.78	(0.01)	196	33
Series II														
12-31-2018	14.16	(0.01)	0.24	0.23	(0.01)	(2.77)	(2.78)	11.61	(0.99)	1.00	0.99	(0.07)	58	37
12-31-2017	11.35	(0.02)	4.01	3.99	—	(1.18)	(1.18)	14.16	36.20	1.00	0.99	(0.17)	66	47
12-31-2016	13.80	(0.02)	(0.13)	(0.15)	—	(2.30)	(2.30)	11.35	(1.26)	0.97 <sup>4</sup>	0.96 <sup>4</sup>	(0.12)	58	45
12-31-2015	15.22	(0.03)	1.53	1.50	—	(2.92)	(2.92)	13.80	11.17	0.99	0.98	(0.21)	70	30
12-31-2014	15.57	(0.03)	1.48	1.45	—	(1.80)	(1.80)	15.22	9.47	0.98	0.98	(0.21)	73	33
Series NAV														
12-31-2018	14.67	0.03	0.23	0.26	(0.05)	(2.77)	(2.82)	12.11	(0.72)	0.75	0.74	0.20	281	37
12-31-2017	11.71	0.01	4.15	4.16	(0.02)	(1.18)	(1.20)	14.67	36.51	0.75	0.74	0.08	798	47
12-31-2016	14.13	0.02	(0.14)	(0.12)	— <sup>3</sup>	(2.30)	(2.30)	11.71	(1.00)	0.72 <sup>4</sup>	0.71 <sup>4</sup>	0.12	718	45
12-31-2015	15.48	0.01	1.56	1.57	— <sup>3</sup>	(2.92)	(2.92)	14.13	11.48	0.74	0.73	0.04	691	30
12-31-2014	15.79	0.01	1.49	1.50	(0.01)	(1.80)	(1.81)	15.48	9.68	0.73	0.73	0.04	764	33

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Less than \$0.005 per share.
4. Includes reimbursement for overbilling of custody expenses in prior years of 0.03%.

## Capital Appreciation Value Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	11.98	0.28 <sup>3</sup>	(0.18)	0.10	(0.25)	(0.91)	(1.16)	10.92	0.39	0.92	0.88	2.35 <sup>3</sup>	4	78	
12-31-2017	11.08	0.13	1.52	1.65	(0.17)	(0.58)	(0.75)	11.98	15.15	0.92	0.88	1.12	4	64	
12-31-2016	11.47	0.17	0.76	0.93	(0.15)	(1.17)	(1.32)	11.08	8.12	0.91	0.87	1.50	3	68	
12-31-2015	12.78	0.13	0.48	0.61	(0.13)	(1.79)	(1.92)	11.47	5.28	0.91	0.87	1.02	1	73	
12-31-2014	13.02	0.15	1.38	1.53	(0.18)	(1.59)	(1.77)	12.78	12.22	0.91	0.87	1.18	4	69	
Series II															
12-31-2018	11.94	0.26 <sup>3</sup>	(0.19)	0.07	(0.23)	(0.91)	(1.14)	10.87	0.11	1.12	1.08	2.15 <sup>3</sup>	259	78	
12-31-2017	11.04	0.11	1.52	1.63	(0.15)	(0.58)	(0.73)	11.94	14.99	1.12	1.08	0.92	305	64	
12-31-2016	11.44	0.14	0.76	0.90	(0.13)	(1.17)	(1.30)	11.04	7.84	1.11	1.07	1.25	305	68	
12-31-2015	12.75	0.11	0.48	0.59	(0.11)	(1.79)	(1.90)	11.44	5.10	1.11	1.07	0.89	316	73	
12-31-2014	12.99	0.13	1.37	1.50	(0.15)	(1.59)	(1.74)	12.75	12.04	1.11	1.07	0.98	332	69	
Series NAV															
12-31-2018	11.95	0.29 <sup>3</sup>	(0.18)	0.11	(0.26)	(0.91)	(1.17)	10.89	0.45	0.87	0.83	2.40 <sup>3</sup>	91	78	
12-31-2017	11.06	0.14	1.51	1.65	(0.18)	(0.58)	(0.76)	11.95	15.14	0.87	0.83	1.17	92	64	
12-31-2016	11.45	0.18	0.75	0.93	(0.15)	(1.17)	(1.32)	11.06	8.19	0.86	0.82	1.54	75	68	
12-31-2015	12.76	0.14	0.48	0.62	(0.14)	(1.79)	(1.93)	11.45	5.27	0.86	0.82	1.16	44	73	
12-31-2014	13.00	0.16	1.38	1.54	(0.19)	(1.59)	(1.78)	12.76	12.38	0.86	0.82	1.22	32	69	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income (loss) per share and ratio of net investment income (loss) to average net assets reflect special dividends received by the portfolio, which amounted to \$0.12 and 1.00%, respectively.

## Core Bond Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	13.08	0.31	(0.39)	(0.08)	(0.32)	—	(0.32)	12.68	(0.59)	0.68	0.67	2.39	93	336	
12-31-2017	13.09	0.24	0.20	0.44	(0.28)	(0.17)	(0.45)	13.08	3.40	0.67	0.67	1.83	108	332	
12-31-2016	13.01	0.22	0.14	0.36	(0.27)	(0.01)	(0.28)	13.09	2.74	0.67	0.66	1.63	121	486	
12-31-2015	13.22	0.21	(0.17)	0.04	(0.22)	(0.03)	(0.25)	13.01	0.31	0.68	0.67	1.57	141	425 <sup>3</sup>	
12-31-2014	12.85	0.21	0.55	0.76	(0.39)	—	(0.39)	13.22	5.93	0.67	0.67	1.59	1	356	
Series II															
12-31-2018	13.07	0.28	(0.39)	(0.11)	(0.29)	—	(0.29)	12.67	(0.79)	0.88	0.87	2.18	82	336	
12-31-2017	13.08	0.22	0.20	0.42	(0.26)	(0.17)	(0.43)	13.07	3.21	0.87	0.87	1.63	101	332	
12-31-2016	13.00	0.19	0.14	0.33	(0.24)	(0.01)	(0.25)	13.08	2.54	0.87	0.86	1.43	114	486	
12-31-2015	13.21	0.18	(0.16)	0.02	(0.20)	(0.03)	(0.23)	13.00	0.11	0.88	0.87	1.36	128	425 <sup>3</sup>	
12-31-2014	12.84	0.18	0.55	0.73	(0.36)	—	(0.36)	13.21	5.73	0.87	0.87	1.40	8	356	
Series NAV															
12-31-2018	13.02	0.31	(0.39)	(0.08)	(0.32)	—	(0.32)	12.62	(0.54)	0.63	0.62	2.44	889	336	
12-31-2017	13.03	0.25	0.20	0.45	(0.29)	(0.17)	(0.46)	13.02	3.47	0.62	0.62	1.88	1,037	332	
12-31-2016	12.96	0.22	0.14	0.36	(0.28)	(0.01)	(0.29)	13.03	2.72	0.62	0.61	1.68	987	486	
12-31-2015	13.17	0.21	(0.16)	0.05	(0.23)	(0.03)	(0.26)	12.96	0.36	0.63	0.62	1.60	1,049	425 <sup>3</sup>	
12-31-2014	12.80	0.22	0.55	0.77	(0.40)	—	(0.40)	13.17	6.01	0.62	0.62	1.65	1,018	356	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Excludes merger activity.



## Emerging Markets Value Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	10.63	0.19	(1.63)	(1.44)	(0.26)	—	(0.26)	8.93	(13.60)	1.12	1.12	1.91	7	14	
12-31-2017	8.14	0.13	2.52	2.65	(0.16)	—	(0.16)	10.63	32.70	1.12	1.12	1.30	8	28 <sup>3</sup>	
12-31-2016	7.04	0.12	1.15	1.27	(0.17)	—	(0.17)	8.14	18.00	1.13	1.12	1.51	3	22	
12-31-2015	8.91	0.15	(1.85)	(1.70)	(0.17)	—	(0.17)	7.04	(19.08)	1.10	1.09	1.73	2	20	
12-31-2014	9.92	0.17	(0.65)	(0.48)	(0.18)	(0.35)	(0.53)	8.91	(5.50)	1.13	1.12	1.68	3	17	
Series II															
12-31-2018	10.63	0.17	(1.63)	(1.46)	(0.24)	—	(0.24)	8.93	(13.79)	1.32	1.32	1.72	35	14	
12-31-2017	8.14	(0.02)	2.65	2.63	(0.14)	—	(0.14)	10.63	32.47	1.32	1.32	(0.19)	48	28 <sup>3</sup>	
12-31-2016	7.05	0.10	1.14	1.24	(0.15)	—	(0.15)	8.14	17.62	1.33	1.32	1.33	— <sup>4</sup>	22	
12-31-2015 <sup>5</sup>	9.48	0.10	(2.37)	(2.27)	(0.16)	—	(0.16)	7.05	(24.01) <sup>6</sup>	1.30 <sup>7</sup>	1.29 <sup>7</sup>	2.13 <sup>7</sup>	— <sup>4</sup>	20 <sup>8</sup>	
Series NAV															
12-31-2018	10.61	0.21	(1.63)	(1.42)	(0.27)	—	(0.27)	8.92	(13.48)	1.07	1.07	2.04	168	14	
12-31-2017	8.13	0.16	2.49	2.65	(0.17)	—	(0.17)	10.61	32.67	1.07	1.07	1.68	724	28 <sup>3</sup>	
12-31-2016	7.03	0.12	1.15	1.27	(0.17)	—	(0.17)	8.13	18.08	1.07	1.06	1.67	608	22	
12-31-2015	8.90	0.14	(1.83)	(1.69)	(0.18)	—	(0.18)	7.03	(19.05)	1.05	1.04	1.72	660	20	
12-31-2014	9.90	0.17	(0.63)	(0.46)	(0.19)	(0.35)	(0.54)	8.90	(5.36)	1.08	1.07	1.70	824	17	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Excludes merger activity.
4. Less than \$500,000.
5. The inception date for Series II shares is 5-27-15.
6. Not annualized.
7. Annualized.
8. Portfolio turnover is shown for the period from 1-1-15 to 12-31-15.

## Equity Income Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	17.50	0.35	(1.74)	(1.39)	(0.30)	(2.16)	(2.46)	13.65	(9.58)	0.81	0.78	2.12	215	18	
12-31-2017	16.67	0.32	2.24	2.56	(0.39)	(1.34)	(1.73)	17.50	16.29	0.82	0.78	1.88	276	21	
12-31-2016	15.79	0.42	2.47	2.89	(0.36)	(1.65)	(2.01)	16.67	19.12	0.81 <sup>3</sup>	0.77 <sup>3</sup>	2.59	272	28	
12-31-2015	19.16	0.34	(1.70)	(1.36)	(0.34)	(1.67)	(2.01)	15.79	(6.75)	0.87	0.83	1.91	262	34	
12-31-2014	19.82	0.36	1.09	1.45	(0.35)	(1.76)	(2.11)	19.16	7.47	0.86	0.83	1.81	326	9	
Series II															
12-31-2018	17.42	0.32	(1.73)	(1.41)	(0.27)	(2.16)	(2.43)	13.58	(9.75)	1.01	0.98	1.92	111	18	
12-31-2017	16.61	0.29	2.21	2.50	(0.35)	(1.34)	(1.69)	17.42	16.00	1.02	0.98	1.68	145	21	
12-31-2016	15.74	0.38	2.46	2.84	(0.32)	(1.65)	(1.97)	16.61	18.91	1.01 <sup>3</sup>	0.97 <sup>3</sup>	2.39	148	28	
12-31-2015	19.10	0.31	(1.70)	(1.39)	(0.30)	(1.67)	(1.97)	15.74	(6.91)	1.07	1.03	1.71	138	34	
12-31-2014	19.77	0.32	1.09	1.41	(0.32)	(1.76)	(2.08)	19.10	7.23	1.06	1.03	1.62	172	9	
Series NAV															
12-31-2018	17.42	0.36	(1.73)	(1.37)	(0.31)	(2.16)	(2.47)	13.58	(9.52)	0.76	0.73	2.18	1,149	18	
12-31-2017	16.61	0.33	2.22	2.55	(0.40)	(1.34)	(1.74)	17.42	16.28	0.77	0.73	1.93	1,393	21	
12-31-2016	15.74	0.42	2.46	2.88	(0.36)	(1.65)	(2.01)	16.61	19.18	0.76 <sup>3</sup>	0.72 <sup>3</sup>	2.63	1,400	28	
12-31-2015	19.10	0.35	(1.70)	(1.35)	(0.34)	(1.67)	(2.01)	15.74	(6.66)	0.82	0.78	1.97	1,270	34	
12-31-2014	19.76	0.37	1.09	1.46	(0.36)	(1.76)	(2.12)	19.10	7.55	0.81	0.78	1.87	1,489	9	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.03%.

## Financial Industries Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	14.99	0.20	(2.15)	(1.95)	(0.18)	(0.96)	(1.14)	11.90	(14.49)	0.89	0.88	1.34	120	25
12-31-2017	13.16	0.17	1.83	2.00	(0.17)	—	(0.17)	14.99	15.28	0.88	0.87	1.20	170	42
12-31-2016	11.18	0.18	1.97	2.15	(0.17)	—	(0.17)	13.16	19.37	0.88	0.87	1.66	162	45
12-31-2015	17.10	0.23	(0.75)	(0.52)	(0.13)	(5.27)	(5.40)	11.18	(2.65)	0.87	0.87	1.58	126	27
12-31-2014	15.85	0.15	1.22	1.37	(0.12)	—	(0.12)	17.10	8.65	0.93	0.93	0.95	132	113
Series II														
12-31-2018	14.88	0.17	(2.13)	(1.96)	(0.17)	(0.96)	(1.13)	11.79	(14.62)	1.09	1.08	1.14	15	25
12-31-2017	13.07	0.14	1.81	1.95	(0.14)	—	(0.14)	14.88	15.02	1.08	1.07	0.99	19	42
12-31-2016	11.10	0.16	1.96	2.12	(0.15)	—	(0.15)	13.07	19.21	1.08	1.07	1.48	21	45
12-31-2015	17.02	0.20	(0.75)	(0.55)	(0.10)	(5.27)	(5.37)	11.10	(2.88)	1.07	1.07	1.39	19	27
12-31-2014	15.78	0.12	1.21	1.33	(0.09)	—	(0.09)	17.02	8.42	1.13	1.13	0.75	23	113
Series NAV														
12-31-2018	14.95	0.21	(2.14)	(1.93)	(0.18)	(0.96)	(1.14)	11.88	(14.38)	0.84	0.83	1.39	29	25
12-31-2017	13.13	0.17	1.83	2.00	(0.18)	—	(0.18)	14.95	15.29	0.83	0.82	1.25	48	42
12-31-2016	11.15	0.19	1.96	2.15	(0.17)	—	(0.17)	13.13	19.47	0.83	0.82	1.72	26	45
12-31-2015	17.07	0.24	(0.75)	(0.51)	(0.14)	(5.27)	(5.41)	11.15	(2.58)	0.82	0.82	1.63	22	27
12-31-2014	15.83	0.16	1.21	1.37	(0.13)	—	(0.13)	17.07	8.64	0.88	0.88	1.00	22	113

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

## Fundamental All Cap Core Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	25.83	0.09	(2.79)	(2.70)	(0.10)	(3.39)	(3.49)	19.64	(13.16)	0.76	0.76	0.36	122	24
12-31-2017	20.89	0.11	5.58	5.69	(0.18)	(0.57)	(0.75)	25.83	27.70	0.76	0.76	0.46	172	42
12-31-2016	22.30	0.15	1.58	1.73	(0.12)	(3.02)	(3.14)	20.89	8.34	0.75	0.75	0.73	146	26
12-31-2015	22.53	0.07	0.80	0.87	—	(1.10)	(1.10)	22.30	4.01	0.76	0.75	0.30	168	49
12-31-2014	20.61	0.06 <sup>3</sup>	1.95	2.01	(0.09)	—	(0.09)	22.53	9.74	0.76	0.75	0.28 <sup>3</sup>	156	46
Series II														
12-31-2018	25.77	0.04	(2.78)	(2.74)	(0.05)	(3.39)	(3.44)	19.59	(13.34)	0.96	0.96	0.17	41	24
12-31-2017	20.84	0.06	5.58	5.64	(0.14)	(0.57)	(0.71)	25.77	27.43	0.96	0.96	0.27	54	42
12-31-2016	22.23	0.11	1.56	1.67	(0.04)	(3.02)	(3.06)	20.84	8.12	0.95	0.95	0.53	49	26
12-31-2015	22.50	0.02	0.81	0.83	—	(1.10)	(1.10)	22.23	3.83	0.96	0.95	0.10	52	49
12-31-2014	20.58	0.02 <sup>3</sup>	1.95	1.97	(0.05)	—	(0.05)	22.50	9.56	0.96	0.95	0.08 <sup>3</sup>	59	46
Series NAV														
12-31-2018	25.96	0.11	(2.82)	(2.71)	(0.12)	(3.39)	(3.51)	19.74	(13.16)	0.71	0.71	0.42	1,347	24
12-31-2017	20.98	0.12	5.62	5.74	(0.19)	(0.57)	(0.76)	25.96	27.77	0.71	0.71	0.51	1,662	42
12-31-2016	22.40	0.16	1.58	1.74	(0.14)	(3.02)	(3.16)	20.98	8.40	0.71	0.70	0.78	1,403	26
12-31-2015	22.61	0.08	0.81	0.89	—	(1.10)	(1.10)	22.40	4.09	0.71	0.70	0.35	1,406	49
12-31-2014	20.68	0.07 <sup>3</sup>	1.96	2.03	(0.10)	—	(0.10)	22.61	9.81	0.71	0.70	0.33 <sup>3</sup>	1,449	46

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Net investment income (loss) per share and ratio of net investment income (loss) to average net assets reflect special dividends received by the portfolio, which amounted to \$0.21 and 0.05%, respectively.

## Fundamental Large Cap Value Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	21.36	0.25	(3.87)	(3.62)	(0.23)	—	(0.23)	17.51	(17.03)	0.75	0.74	1.18	366	31	
12-31-2017	18.49	0.23	2.97	3.20	(0.33)	—	(0.33)	21.36	17.43	0.74	0.73	1.19	525	30	
12-31-2016	17.15	0.25	1.48	1.73	(0.39)	—	(0.39)	18.49	10.17	0.71	0.70	1.47	541	28	
12-31-2015	17.52	0.20	(0.39)	(0.19)	(0.18)	—	(0.18)	17.15	(1.11)	0.71	0.70	1.15	562	9	
12-31-2014	15.94	0.17	1.52	1.69	(0.11)	—	(0.11)	17.52	10.61	0.71	0.70	1.03	621	29 <sup>3</sup>	
Series II															
12-31-2018	21.51	0.21	(3.90)	(3.69)	(0.19)	—	(0.19)	17.63	(17.23)	0.95	0.94	0.98	150	31	
12-31-2017	18.61	0.20	2.99	3.19	(0.29)	—	(0.29)	21.51	17.20	0.94	0.93	0.99	205	30	
12-31-2016	17.27	0.21	1.49	1.70	(0.36)	—	(0.36)	18.61	9.96	0.91	0.90	1.27	207	28	
12-31-2015	17.64	0.17	(0.40)	(0.23)	(0.14)	—	(0.14)	17.27	(1.30)	0.91	0.90	0.95	220	9	
12-31-2014	16.05	0.13	1.54	1.67	(0.08)	—	(0.08)	17.64	10.40	0.91	0.90	0.74	268	29 <sup>3</sup>	
Series NAV															
12-31-2018	21.37	0.26	(3.88)	(3.62)	(0.24)	—	(0.24)	17.51	(17.03)	0.70	0.69	1.23	79	31	
12-31-2017	18.49	0.24	2.98	3.22	(0.34)	—	(0.34)	21.37	17.54	0.69	0.68	1.23	92	30	
12-31-2016	17.15	0.25	1.49	1.74	(0.40)	—	(0.40)	18.49	10.22	0.65	0.65	1.48	83	28	
12-31-2015	17.52	0.21	(0.39)	(0.18)	(0.19)	—	(0.19)	17.15	(1.06)	0.66	0.65	1.20	780	9	
12-31-2014	15.94	0.19	1.51	1.70	(0.12)	—	(0.12)	17.52	10.66	0.66	0.65	1.12	903	29 <sup>3</sup>	

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Excludes merger activity.

## Global Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	21.93	0.41	(3.58)	(3.17)	(0.39)	—	(0.39)	18.37	(14.49)	0.98	0.95	1.91	115	30	
12-31-2017	18.78	0.41	3.14	3.55	(0.40)	—	(0.40)	21.93	18.88	0.96	0.94	2.00	148	28	
12-31-2016	17.95	0.34	1.33	1.67	(0.84)	—	(0.84)	18.78	9.47	0.89 <sup>3</sup>	0.87 <sup>3</sup>	1.87	142	23	
12-31-2015	19.58	0.35	(1.60)	(1.25)	(0.38)	—	(0.38)	17.95	(6.42)	0.93	0.91	1.79	147	23	
12-31-2014	20.50	0.47 <sup>4</sup>	(0.99)	(0.52)	(0.40)	—	(0.40)	19.58	(2.60)	0.95	0.94	2.27 <sup>4</sup>	180	17 <sup>5</sup>	
Series II															
12-31-2018	21.83	0.37	(3.56)	(3.19)	(0.35)	—	(0.35)	18.29	(14.65)	1.18	1.15	1.72	31	30	
12-31-2017	18.70	0.39	3.10	3.49	(0.36)	—	(0.36)	21.83	18.63	1.16	1.14	1.80	44	28	
12-31-2016	17.88	0.30	1.33	1.63	(0.81)	—	(0.81)	18.70	9.24	1.09 <sup>3</sup>	1.07 <sup>3</sup>	1.67	43	23	
12-31-2015	19.51	0.31	(1.59)	(1.28)	(0.35)	—	(0.35)	17.88	(6.61)	1.13	1.11	1.61	46	23	
12-31-2014	20.43	0.41 <sup>4</sup>	(0.97)	(0.56)	(0.36)	—	(0.36)	19.51	(2.80)	1.15	1.14	1.97 <sup>4</sup>	62	17 <sup>5</sup>	
Series NAV															
12-31-2018	21.90	0.42	(3.56)	(3.14)	(0.41)	—	(0.41)	18.35	(14.42)	0.93	0.90	1.94	38	30	
12-31-2017	18.76	0.42	3.13	3.55	(0.41)	—	(0.41)	21.90	18.90	0.91	0.89	2.05	48	28	
12-31-2016	17.94	0.40	1.27	1.67	(0.85)	—	(0.85)	18.76	9.47	0.84 <sup>3</sup>	0.83 <sup>3</sup>	2.24	42	23	
12-31-2015	19.56	0.36	(1.59)	(1.23)	(0.39)	—	(0.39)	17.94	(6.34)	0.88	0.86	1.83	390	23	
12-31-2014	20.47	0.48 <sup>4</sup>	(0.98)	(0.50)	(0.41)	—	(0.41)	19.56	(2.51)	0.90	0.89	2.31 <sup>4</sup>	474	17 <sup>5</sup>	

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Includes reimbursement for overbilling of custody expenses in prior years of 0.04%.

4. Net investment income (loss) per share and ratio of net investment income (loss) to average net assets reflect special dividends received by the portfolio, which amounted to \$0.08 and 0.37%, respectively.

5. Excludes merger activity.

## Global Bond Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	12.93	0.29	(0.53)	(0.24)	(0.35)	—	(0.35)	12.34	(1.90)	0.84	0.82	2.31	32	35
12-31-2017	12.16	0.24	0.82	1.06	(0.29)	—	(0.29)	12.93	8.75	0.83	0.82	1.87	37	47
12-31-2016	11.80	0.28	0.08	0.36	—	—	—	12.16	3.05	0.81 <sup>3</sup>	0.80 <sup>3</sup>	2.18	40	57
12-31-2015	12.54	0.24	(0.66)	(0.42)	(0.32)	—	(0.32)	11.80	(3.50)	0.83	0.82	1.95	42	81
12-31-2014	12.39	0.31	(0.04)	0.27	(0.12)	—	(0.12)	12.54	2.28	0.83	0.83	2.43	52	69
Series II														
12-31-2018	12.77	0.26	(0.52)	(0.26)	(0.34)	—	(0.34)	12.17	(2.03)	1.04	1.02	2.10	62	35
12-31-2017	12.00	0.21	0.81	1.02	(0.25)	—	(0.25)	12.77	8.48	1.03	1.02	1.67	80	47
12-31-2016	11.66	0.25	0.09	0.34	—	—	—	12.00	2.92	1.01 <sup>3</sup>	1.00 <sup>3</sup>	1.98	81	57
12-31-2015	12.42	0.21	(0.66)	(0.45)	(0.31)	—	(0.31)	11.66	(3.73)	1.03	1.02	1.75	88	81
12-31-2014	12.27	0.28	(0.03)	0.25	(0.10)	—	(0.10)	12.42	2.13	1.03	1.03	2.23	113	69
Series NAV														
12-31-2018	12.88	0.27	(0.50)	(0.23)	(0.35)	—	(0.35)	12.30	(1.74)	0.79	0.77	2.11	108	35
12-31-2017	12.12	0.24	0.82	1.06	(0.30)	—	(0.30)	12.88	8.71	0.78	0.77	1.92	472	47
12-31-2016	11.75	0.28	0.09	0.37	—	—	—	12.12	3.15	0.76 <sup>3</sup>	0.75 <sup>3</sup>	2.22	446	57
12-31-2015	12.49	0.24	(0.66)	(0.42)	(0.32)	—	(0.32)	11.75	(3.50)	0.78	0.77	2.00	495	81
12-31-2014	12.33	0.32	(0.03)	0.29	(0.13)	—	(0.13)	12.49	2.42	0.78	0.78	2.48	557	69

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.02%.

## Health Sciences Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	25.03	(0.07)	0.57	0.50	—	(2.66)	(2.66)	22.87	0.69	1.16	1.09	(0.27)	99	42
12-31-2017	21.83	(0.08)	5.91	5.83	—	(2.63)	(2.63)	25.03	27.51	1.16	1.10	(0.31)	107	39
12-31-2016	31.92	(0.09)	(3.02)	(3.11)	(0.02)	(6.96)	(6.98)	21.83	(10.57)	1.10 <sup>3</sup>	1.04 <sup>3</sup>	(0.34)	94	27
12-31-2015	33.55	0.03	4.30	4.33	—	(5.96)	(5.96)	31.92	12.69	1.07	1.02	0.09	146	43
12-31-2014	29.19	(0.16)	8.98	8.82	—	(4.46)	(4.46)	33.55	31.83	1.07	1.02	(0.51)	135	50
Series II														
12-31-2018	23.26	(0.11)	0.56	0.45	—	(2.66)	(2.66)	21.05	0.52	1.36	1.29	(0.47)	66	42
12-31-2017	20.48	(0.12)	5.53	5.41	—	(2.63)	(2.63)	23.26	27.26	1.36	1.30	(0.51)	75	39
12-31-2016	30.45	(0.14)	(2.87)	(3.01)	—	(6.96)	(6.96)	20.48	(10.77)	1.30 <sup>3</sup>	1.24 <sup>3</sup>	(0.54)	71	27
12-31-2015	32.30	(0.03)	4.14	4.11	—	(5.96)	(5.96)	30.45	12.49	1.27	1.22	(0.10)	102	43
12-31-2014	28.30	(0.22)	8.68	8.46	—	(4.46)	(4.46)	32.30	31.54	1.27	1.22	(0.71)	103	50
Series NAV														
12-31-2018	25.37	(0.06)	0.57	0.51	—	(2.66)	(2.66)	23.22	0.76	1.11	1.04	(0.22)	107	42
12-31-2017	22.09	(0.07)	5.98	5.91	—	(2.63)	(2.63)	25.37	27.61	1.11	1.05	(0.26)	108	39
12-31-2016	32.20	(0.08)	(3.04)	(3.12)	(0.03)	(6.96)	(6.99)	22.09	(10.54)	1.06 <sup>3</sup>	0.99 <sup>3</sup>	(0.29)	96	27
12-31-2015	33.78	0.05	4.33	4.38	—	(5.96)	(5.96)	32.20	12.76	1.02	0.97	0.13	118	43
12-31-2014	29.36	(0.15)	9.03	8.88	—	(4.46)	(4.46)	33.78	31.85	1.02	0.97	(0.46)	101	50

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.05%.

## High Yield Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	5.32	0.31	(0.47)	(0.16)	(0.32)	—	(0.32)	4.84	(3.01)	0.83	0.82	5.89	67	54	
12-31-2017	5.23	0.30	0.09	0.39	(0.30)	—	(0.30)	5.32	7.50	0.85	0.84	5.62	81	61	
12-31-2016	4.81	0.34	0.45	0.79	(0.37)	—	(0.37)	5.23	16.26	0.75 <sup>3</sup>	0.74 <sup>3</sup>	6.74	88	61	
12-31-2015	5.70	0.37	(0.84)	(0.47)	(0.42)	—	(0.42)	4.81	(8.32)	0.80	0.79	6.51	83	74	
12-31-2014	6.09	0.39	(0.36)	0.03	(0.42)	—	(0.42)	5.70	0.28	0.78	0.77	6.33	105	72	
Series II															
12-31-2018	5.43	0.31	(0.47)	(0.16)	(0.31)	—	(0.31)	4.96	(3.15)	1.03	1.02	5.69	50	54	
12-31-2017	5.34	0.30	0.08	0.38	(0.29)	—	(0.29)	5.43	7.13	1.05	1.04	5.42	62	61	
12-31-2016	4.91	0.34	0.45	0.79	(0.36)	—	(0.36)	5.34	16.16	0.95 <sup>3</sup>	0.94 <sup>3</sup>	6.54	65	61	
12-31-2015	5.80	0.36	(0.84)	(0.48)	(0.41)	—	(0.41)	4.91	(8.55)	1.00	0.99	6.32	69	74	
12-31-2014	6.19	0.39	(0.37)	0.02	(0.41)	—	(0.41)	5.80	0.08	0.98	0.97	6.12	90	72	
Series NAV															
12-31-2018	5.24	0.31	(0.46)	(0.15)	(0.32)	—	(0.32)	4.77	(3.02)	0.78	0.77	5.94	80	54	
12-31-2017	5.16	0.30	0.08	0.38	(0.30)	—	(0.30)	5.24	7.46	0.80	0.79	5.67	88	61	
12-31-2016	4.75	0.34	0.44	0.78	(0.37)	—	(0.37)	5.16	16.56	0.70 <sup>3</sup>	0.70 <sup>3</sup>	6.77	97	61	
12-31-2015	5.63	0.36	(0.81)	(0.45)	(0.43)	—	(0.43)	4.75	(8.38)	0.75	0.74	6.56	81	74	
12-31-2014	6.02	0.39	(0.36)	0.03	(0.42)	—	(0.42)	5.63	0.33	0.73	0.72	6.38	90	72	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.06%.

## International Equity Index Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	18.44	0.45	(3.02)	(2.57)	(0.42)	(0.01)	(0.43)	15.44	(14.09)	0.66	0.39	2.55	334	2	
12-31-2017	14.79	0.40	3.63	4.03	(0.38)	—	(0.38)	18.44	27.30	0.68	0.39	2.33	399	3	
12-31-2016	14.54	0.39	0.25	0.64	(0.39)	—	(0.39)	14.79	4.45	0.65 <sup>3</sup>	0.39 <sup>3</sup>	2.65	277	5	
12-31-2015	15.85	0.39	(1.32)	(0.93)	(0.38)	—	(0.38)	14.54	(5.91)	0.66	0.39	2.42	263	4	
12-31-2014	17.14	0.52 <sup>4</sup>	(1.28)	(0.76)	(0.53)	—	(0.53)	15.85	(4.61)	0.62	0.39	3.03 <sup>4</sup>	277	3	
Series II															
12-31-2018	18.46	0.42	(3.03)	(2.61)	(0.38)	(0.01)	(0.39)	15.46	(14.27)	0.86	0.59	2.37	14	2	
12-31-2017	14.81	0.36	3.63	3.99	(0.34)	—	(0.34)	18.46	27.04	0.88	0.59	2.14	18	3	
12-31-2016	14.56	0.36	0.25	0.61	(0.36)	—	(0.36)	14.81	4.24	0.85 <sup>3</sup>	0.59 <sup>3</sup>	2.47	14	5	
12-31-2015	15.87	0.36	(1.32)	(0.96)	(0.35)	—	(0.35)	14.56	(6.11)	0.86	0.59	2.25	16	4	
12-31-2014	17.16	0.50 <sup>4</sup>	(1.30)	(0.80)	(0.49)	—	(0.49)	15.87	(4.80)	0.82	0.59	2.88 <sup>4</sup>	21	3	
Series NAV															
12-31-2018	18.44	0.46	(3.03)	(2.57)	(0.43)	(0.01)	(0.44)	15.43	(14.10)	0.61	0.34	2.58	331	2	
12-31-2017	14.78	0.41	3.63	4.04	(0.38)	—	(0.38)	18.44	27.45	0.63	0.34	2.39	377	3	
12-31-2016	14.54	0.39	0.25	0.64	(0.40)	—	(0.40)	14.78	4.43	0.60 <sup>3</sup>	0.34 <sup>3</sup>	2.70	298	5	
12-31-2015	15.84	0.39	(1.30)	(0.91)	(0.39)	—	(0.39)	14.54	(5.80)	0.61	0.34	2.46	293	4	
12-31-2014	17.13	0.54 <sup>4</sup>	(1.29)	(0.75)	(0.54)	—	(0.54)	15.84	(4.57)	0.57	0.34	3.13 <sup>4</sup>	322	3	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.04%.
4. Net investment income (loss) per share and ratio of net investment income (loss) to average net assets reflect special dividends received by the portfolio, which amounted to \$0.03 and 0.33%, respectively.

## International Growth Stock Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	18.55	0.30	(2.90)	(2.60)	(0.29)	(0.53)	(0.82)	15.13	(14.43)	0.94	0.93	1.76	3	46	
12-31-2017	15.43	0.24	3.13	3.37	(0.25)	—	(0.25)	18.55	21.86	0.93	0.92	1.35	6	28	
12-31-2016	15.91	0.25	(0.46)	(0.21)	(0.27)	—	(0.27)	15.43	(1.31)	0.91	0.91	1.57	4	14	
12-31-2015	16.58	0.23	(0.61)	(0.38)	(0.29)	—	(0.29)	15.91	(2.27)	0.92	0.91	1.36	3	22	
12-31-2014	16.85	0.28	(0.23)	0.05	(0.32)	—	(0.32)	16.58	0.20	0.97	0.97	1.65	2	23	
Series II															
12-31-2018	18.56	0.26	(2.90)	(2.64)	(0.25)	(0.53)	(0.78)	15.14	(14.61)	1.14	1.13	1.51	15	46	
12-31-2017	15.44	0.20	3.13	3.33	(0.21)	—	(0.21)	18.56	21.63	1.13	1.12	1.17	20	28	
12-31-2016	15.91	0.22	(0.45)	(0.23)	(0.24)	—	(0.24)	15.44	(1.45)	1.11	1.10	1.38	18	14	
12-31-2015	16.60	0.21	(0.63)	(0.42)	(0.27)	—	(0.27)	15.91	(2.53)	1.12	1.11	1.26	20	22	
12-31-2014	16.87	0.25	(0.24)	0.01	(0.28)	—	(0.28)	16.60	0.00	1.17	1.17	1.44	21	23	
Series NAV															
12-31-2018	18.56	0.30	(2.90)	(2.60)	(0.30)	(0.53)	(0.83)	15.13	(14.43)	0.89	0.88	1.70	40	46	
12-31-2017	15.44	0.25	3.12	3.37	(0.25)	—	(0.25)	18.56	21.90	0.88	0.87	1.42	370	28	
12-31-2016	15.91	0.25	(0.44)	(0.19)	(0.28)	—	(0.28)	15.44	(1.20)	0.86	0.85	1.61	351	14	
12-31-2015	16.58	0.25	(0.62)	(0.37)	(0.30)	—	(0.30)	15.91	(2.24)	0.87	0.86	1.52	395	22	
12-31-2014	16.86	0.29	(0.25)	0.04	(0.32)	—	(0.32)	16.58	0.19	0.92	0.92	1.70	479	23	

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

## International Small Company Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	15.95	0.24	(3.45)	(3.21)	(0.19)	—	(0.19)	12.55	(20.09)	1.15	1.14	1.55	25	20	
12-31-2017	12.46	0.20	3.50	3.70	(0.21)	—	(0.21)	15.95	29.46	1.18	1.17	1.42	38	14	
12-31-2016	12.11	0.24	0.35	0.59	(0.24)	—	(0.24)	12.46	4.90	0.91 <sup>3</sup>	0.90 <sup>3</sup>	1.96	32	12	
12-31-2015	11.58	0.17	0.58	0.75	(0.22)	—	(0.22)	12.11	6.54	1.22	1.22	1.40	34	17	
12-31-2014	12.61	0.18	(1.04)	(0.86)	(0.17)	—	(0.17)	11.58	(6.89)	1.19	1.18	1.46	37	20	
Series II															
12-31-2018	15.93	0.20	(3.43)	(3.23)	(0.19)	—	(0.19)	12.51	(20.27)	1.35	1.34	1.34	14	20	
12-31-2017	12.45	0.18	3.48	3.66	(0.18)	—	(0.18)	15.93	29.17	1.38	1.37	1.22	21	14	
12-31-2016	12.10	0.22	0.35	0.57	(0.22)	—	(0.22)	12.45	4.70	1.12 <sup>3</sup>	1.11 <sup>3</sup>	1.79	18	12	
12-31-2015	11.57	0.15	0.59	0.74	(0.21)	—	(0.21)	12.10	6.39	1.42	1.42	1.21	20	17	
12-31-2014	12.60	0.16	(1.04)	(0.88)	(0.15)	—	(0.15)	11.57	(7.10)	1.39	1.38	1.26	21	20	
Series NAV															
12-31-2018	15.96	0.24	(3.44)	(3.20)	(0.20)	—	(0.20)	12.56	(20.08)	1.10	1.09	1.58	74	20	
12-31-2017	12.46	0.21	3.50	3.71	(0.21)	—	(0.21)	15.96	29.60	1.13	1.12	1.42	93	14	
12-31-2016	12.11	0.24	0.36	0.60	(0.25)	—	(0.25)	12.46	4.95	0.87 <sup>3</sup>	0.86 <sup>3</sup>	2.00	58	12	
12-31-2015	11.57	0.18	0.59	0.77	(0.23)	—	(0.23)	12.11	6.68	1.17	1.17	1.43	53	17	
12-31-2014	12.60	0.18	(1.03)	(0.85)	(0.18)	—	(0.18)	11.57	(6.85)	1.14	1.13	1.44	46	20	

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Includes reimbursement for overbilling of custody expenses in prior years of 0.33%.

## International Value Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	14.33	0.26	(2.41)	(2.15)	(0.34)	—	(0.34)	11.84	(15.03)	0.92	0.91	1.87	84	34	
12-31-2017	12.45	0.25	1.89	2.14	(0.26)	—	(0.26)	14.33	17.14	0.93	0.92	1.84	113	27	
12-31-2016	11.33	0.23	1.15	1.38	(0.26)	—	(0.26)	12.45	12.24	0.76 <sup>3</sup>	0.75 <sup>3</sup>	1.95	111	27 <sup>4</sup>	
12-31-2015	12.54	0.24	(1.21)	(0.97)	(0.24)	—	(0.24)	11.33	(7.81)	0.92	0.91	1.87	77	16	
12-31-2014	14.78	0.42 <sup>5</sup>	(2.24)	(1.82)	(0.42)	—	(0.42)	12.54	(12.51)	0.97	0.96	2.91 <sup>5</sup>	95	34	
Series II															
12-31-2018	14.32	0.23	(2.40)	(2.17)	(0.32)	—	(0.32)	11.83	(15.17)	1.12	1.11	1.67	50	34	
12-31-2017	12.44	0.23	1.88	2.11	(0.23)	—	(0.23)	14.32	16.88	1.13	1.12	1.65	69	27	
12-31-2016	11.33	0.21	1.14	1.35	(0.24)	—	(0.24)	12.44	11.94	0.95 <sup>3</sup>	0.94 <sup>3</sup>	1.83	71	27 <sup>4</sup>	
12-31-2015	12.52	0.21	(1.20)	(0.99)	(0.20)	—	(0.20)	11.33	(7.95)	1.12	1.11	1.69	59	16	
12-31-2014	14.75	0.40 <sup>5</sup>	(2.24)	(1.84)	(0.39)	—	(0.39)	12.52	(12.65)	1.17	1.16	2.74 <sup>5</sup>	74	34	
Series NAV															
12-31-2018	14.22	0.27	(2.39)	(2.12)	(0.35)	—	(0.35)	11.75	(14.96)	0.87	0.86	1.98	167	34	
12-31-2017	12.35	0.26	1.87	2.13	(0.26)	—	(0.26)	14.22	17.25	0.88	0.87	1.89	686	27	
12-31-2016	11.25	0.25	1.11	1.36	(0.26)	—	(0.26)	12.35	12.20	0.69 <sup>3</sup>	0.68 <sup>3</sup>	2.16	677	27 <sup>4</sup>	
12-31-2015	12.45	0.24	(1.19)	(0.95)	(0.25)	—	(0.25)	11.25	(7.72)	0.87	0.86	1.93	685	16	
12-31-2014	14.68	0.43 <sup>5</sup>	(2.24)	(1.81)	(0.42)	—	(0.42)	12.45	(12.48)	0.92	0.91	2.95 <sup>5</sup>	868	34	

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Includes reimbursement for overbilling of custody expenses in prior years of 0.17%.

4. Excludes merger activity.

5. Net investment income (loss) per share and ratio of net investment income (loss) to average net assets reflect special dividends received by the portfolio, which amounted to \$0.09 and 0.65%, respectively.

## Investment Quality Bond Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	11.15	0.29	(0.38)	(0.09)	(0.30)	(0.08)	(0.38)	10.68	(0.82)	0.73	0.72	2.66	135	44
12-31-2017	10.99	0.25	0.25	0.50	(0.29)	(0.05)	(0.34)	11.15	4.60	0.72	0.71	2.24	156	72
12-31-2016	10.84	0.27	0.20	0.47	(0.25)	(0.07)	(0.32)	10.99	4.29	0.67 <sup>3</sup>	0.66 <sup>3</sup>	2.44	161	60
12-31-2015	11.65	0.26	(0.36)	(0.10)	(0.21)	(0.50)	(0.71)	10.84	(0.82)	0.69	0.69	2.28	166	97
12-31-2014	11.41	0.31	0.31	0.62	(0.35)	(0.03)	(0.38)	11.65	5.47	0.69	0.69	2.60	190	109
Series II														
12-31-2018	11.15	0.27	(0.37)	(0.10)	(0.28)	(0.08)	(0.36)	10.69	(0.93)	0.93	0.92	2.46	71	44
12-31-2017	11.00	0.23	0.24	0.47	(0.27)	(0.05)	(0.32)	11.15	4.30	0.92	0.91	2.04	83	72
12-31-2016	10.85	0.25	0.20	0.45	(0.23)	(0.07)	(0.30)	11.00	4.08	0.87 <sup>3</sup>	0.86 <sup>3</sup>	2.25	84	60
12-31-2015	11.66	0.24	(0.36)	(0.12)	(0.19)	(0.50)	(0.69)	10.85	(1.02)	0.89	0.89	2.08	91	97
12-31-2014	11.42	0.28	0.32	0.60	(0.33)	(0.03)	(0.36)	11.66	5.26	0.89	0.89	2.40	107	109
Series NAV														
12-31-2018	11.11	0.30	(0.38)	(0.08)	(0.30)	(0.08)	(0.38)	10.65	(0.68)	0.68	0.67	2.72	39	44
12-31-2017	10.95	0.26	0.25	0.51	(0.30)	(0.05)	(0.35)	11.11	4.68	0.67	0.66	2.28	35	72
12-31-2016	10.81	0.27	0.20	0.47	(0.26)	(0.07)	(0.33)	10.95	4.26	0.63 <sup>3</sup>	0.62 <sup>3</sup>	2.44	52	60
12-31-2015	11.61	0.27	(0.35)	(0.08)	(0.22)	(0.50)	(0.72)	10.81	(0.68)	0.64	0.64	2.35	24	97
12-31-2014	11.37	0.31	0.32	0.63	(0.36)	(0.03)	(0.39)	11.61	5.54	0.64	0.64	2.63	19	109

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Includes reimbursement for overbilling of custody expenses in prior years of 0.02%.

## Lifestyle Aggressive Portfolio

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	15.14	0.23 <sup>3</sup>	(1.52)	(1.29)	(0.22)	(0.40)	(0.62)	13.23	(8.85)	0.42 <sup>4</sup>	0.20 <sup>4</sup>	1.53 <sup>3</sup>	3	16
12-31-2017	12.81	0.20 <sup>3</sup>	2.57	2.77	(0.24)	(0.20)	(0.44)	15.14	21.78	0.45 <sup>4</sup>	0.21 <sup>4</sup>	1.41 <sup>3</sup>	4	15
12-31-2016	12.33	0.26 <sup>3</sup>	0.90	1.16	(0.21)	(0.47)	(0.68)	12.81	9.55	0.47 <sup>4</sup>	0.21 <sup>4</sup>	2.05 <sup>3</sup>	4	9
12-31-2015	12.78	0.24 <sup>3</sup>	(0.44)	(0.20)	(0.22)	(0.03)	(0.25)	12.33	(1.56)	0.45 <sup>4</sup>	0.22 <sup>4</sup>	1.89 <sup>3</sup>	3	20
12-31-2014	12.74	0.23 <sup>3</sup>	0.47	0.70	(0.23)	(0.43)	(0.66)	12.78	5.42	0.61 <sup>4</sup>	0.19 <sup>4</sup>	1.79 <sup>3</sup>	2	38
Series II														
12-31-2018	15.14	0.20 <sup>3</sup>	(1.52)	(1.32)	(0.19)	(0.40)	(0.59)	13.23	(9.05)	0.62 <sup>4</sup>	0.40 <sup>4</sup>	1.32 <sup>3</sup>	17	16
12-31-2017	12.81	0.20 <sup>3</sup>	2.54	2.74	(0.21)	(0.20)	(0.41)	15.14	21.56	0.65 <sup>4</sup>	0.41 <sup>4</sup>	1.40 <sup>3</sup>	20	15
12-31-2016	12.33	0.19 <sup>3</sup>	0.95	1.14	(0.19)	(0.47)	(0.66)	12.81	9.35	0.67 <sup>4</sup>	0.41 <sup>4</sup>	1.55 <sup>3</sup>	18	9
12-31-2015	12.78	0.19 <sup>3</sup>	(0.41)	(0.22)	(0.20)	(0.03)	(0.23)	12.33	(1.75)	0.65 <sup>4</sup>	0.42 <sup>4</sup>	1.45 <sup>3</sup>	17	20
12-31-2014	12.74	0.23 <sup>3</sup>	0.44	0.67	(0.20)	(0.43)	(0.63)	12.78	5.21	0.81 <sup>4</sup>	0.39 <sup>4</sup>	1.77 <sup>3</sup>	19	38
Series NAV														
12-31-2018	15.14	0.29 <sup>3</sup>	(1.59)	(1.30)	(0.22)	(0.40)	(0.62)	13.22	(8.86)	0.37 <sup>4</sup>	0.15 <sup>4</sup>	1.92 <sup>3</sup>	11	16
12-31-2017	12.81	0.28 <sup>3</sup>	2.49	2.77	(0.24)	(0.20)	(0.44)	15.14	21.84	0.40 <sup>4</sup>	0.16 <sup>4</sup>	1.95 <sup>3</sup>	7	15
12-31-2016	12.33	0.37 <sup>3</sup>	0.80	1.17	(0.22)	(0.47)	(0.69)	12.81	9.60	0.42 <sup>4</sup>	0.16 <sup>4</sup>	2.95 <sup>3</sup>	2	9
12-31-2015	12.78	0.24 <sup>3</sup>	(0.43)	(0.19)	(0.23)	(0.03)	(0.26)	12.33	(1.51)	0.40 <sup>4</sup>	0.17 <sup>4</sup>	1.89 <sup>3</sup>	1	20
12-31-2014	12.74	0.42 <sup>3</sup>	0.28	0.70	(0.23)	(0.43)	(0.66)	12.78	5.47	0.56 <sup>4</sup>	0.14 <sup>4</sup>	3.16 <sup>3</sup>	1	38

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Lifestyle Balanced Portfolio

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	14.98	0.32 <sup>3</sup>	(0.96)	(0.64)	(0.33)	(0.25)	(0.58)	13.76	(4.36)	0.12 <sup>4</sup>	0.12 <sup>4</sup>	2.13 <sup>3</sup>	32	8
12-31-2017	13.78	0.33 <sup>3</sup>	1.36	1.69	(0.33)	(0.16)	(0.49)	14.98	12.31	0.12 <sup>4</sup>	0.12 <sup>4</sup>	2.22 <sup>3</sup>	35	6
12-31-2016	13.59	0.32 <sup>3</sup>	0.51	0.83	(0.31)	(0.33)	(0.64)	13.78	6.11	0.12 <sup>4</sup>	0.11 <sup>4</sup>	2.31 <sup>3</sup>	31	11
12-31-2015	14.18	0.34 <sup>3</sup>	(0.34)	— <sup>5</sup>	(0.33)	(0.26)	(0.59)	13.59	0.05	0.12 <sup>4</sup>	0.11 <sup>4</sup>	2.35 <sup>3</sup>	30	9
12-31-2014	13.95	0.42 <sup>3</sup>	0.41	0.83	(0.34)	(0.26)	(0.60)	14.18	5.96	0.12 <sup>4</sup>	0.11 <sup>4</sup>	2.95 <sup>3</sup>	28	27
Series II														
12-31-2018	15.01	0.27 <sup>3</sup>	(0.95)	(0.68)	(0.30)	(0.25)	(0.55)	13.78	(4.63)	0.32 <sup>4</sup>	0.32 <sup>4</sup>	1.84 <sup>3</sup>	781	8
12-31-2017	13.80	0.29 <sup>3</sup>	1.38	1.67	(0.30)	(0.16)	(0.46)	15.01	12.16	0.32 <sup>4</sup>	0.32 <sup>4</sup>	1.97 <sup>3</sup>	942	6
12-31-2016	13.61	0.29 <sup>3</sup>	0.52	0.81	(0.29)	(0.33)	(0.62)	13.80	5.89	0.32 <sup>4</sup>	0.31 <sup>4</sup>	2.06 <sup>3</sup>	909	11
12-31-2015	14.21	0.30 <sup>3</sup>	(0.33)	(0.03)	(0.31)	(0.26)	(0.57)	13.61	(0.22)	0.32 <sup>4</sup>	0.31 <sup>4</sup>	2.11 <sup>3</sup>	901	9
12-31-2014	13.98	0.35 <sup>3</sup>	0.45	0.80	(0.31)	(0.26)	(0.57)	14.21	5.74	0.32 <sup>4</sup>	0.31 <sup>4</sup>	2.48 <sup>3</sup>	932	27
Series NAV														
12-31-2018	14.97	0.34 <sup>3</sup>	(0.98)	(0.64)	(0.34)	(0.25)	(0.59)	13.74	(4.39)	0.07 <sup>4</sup>	0.07 <sup>4</sup>	2.28 <sup>3</sup>	89	8
12-31-2017	13.77	0.34 <sup>3</sup>	1.35	1.69	(0.33)	(0.16)	(0.49)	14.97	12.38	0.07 <sup>4</sup>	0.07 <sup>4</sup>	2.40 <sup>3</sup>	83	6
12-31-2016	13.58	0.36 <sup>3</sup>	0.48	0.84	(0.32)	(0.33)	(0.65)	13.77	6.16	0.07 <sup>4</sup>	0.06 <sup>4</sup>	2.58 <sup>3</sup>	63	11
12-31-2015	14.17	0.39 <sup>3</sup>	(0.38)	0.01	(0.34)	(0.26)	(0.60)	13.58	0.10	0.07 <sup>4</sup>	0.06 <sup>4</sup>	2.76 <sup>3</sup>	44	9
12-31-2014	13.95	0.47 <sup>3</sup>	0.36	0.83	(0.35)	(0.26)	(0.61)	14.17	5.94	0.07 <sup>4</sup>	0.06 <sup>4</sup>	3.31 <sup>3</sup>	30	27

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.
5. Less than \$0.005 per share.



## Lifestyle Conservative Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	13.39	0.33 <sup>3</sup>	(0.59)	(0.26)	(0.32)	(0.14)	(0.46)	12.67	(1.97)	0.16 <sup>4</sup>	0.12 <sup>4</sup>	2.48 <sup>3</sup>	11	21
12-31-2017	12.91	0.34 <sup>3</sup>	0.56	0.90	(0.34)	(0.08)	(0.42)	13.39	6.96	0.16 <sup>4</sup>	0.13 <sup>4</sup>	2.69 <sup>3</sup>	12	12
12-31-2016	12.85	0.35 <sup>3</sup>	0.21	0.56	(0.36)	(0.14)	(0.50)	12.91	4.39	0.14 <sup>4</sup>	0.13 <sup>4</sup>	2.65 <sup>3</sup>	9	19
12-31-2015	13.33	0.39 <sup>3</sup>	(0.37)	0.02	(0.36)	(0.14)	(0.50)	12.85	0.17	0.14 <sup>4</sup>	0.13 <sup>4</sup>	2.87 <sup>3</sup>	8	17
12-31-2014	13.18	0.53 <sup>3</sup>	0.20	0.73	(0.38)	(0.20)	(0.58)	13.33	5.55	0.15 <sup>4</sup>	0.13 <sup>4</sup>	3.96 <sup>3</sup>	8	56
Series II														
12-31-2018	13.41	0.30 <sup>3</sup>	(0.58)	(0.28)	(0.30)	(0.14)	(0.44)	12.69	(2.17)	0.36 <sup>4</sup>	0.32 <sup>4</sup>	2.29 <sup>3</sup>	164	21
12-31-2017	12.93	0.30 <sup>3</sup>	0.58	0.88	(0.32)	(0.08)	(0.40)	13.41	6.74	0.36 <sup>4</sup>	0.33 <sup>4</sup>	2.21 <sup>3</sup>	166	12
12-31-2016	12.87	0.31 <sup>3</sup>	0.23	0.54	(0.34)	(0.14)	(0.48)	12.93	4.17	0.34 <sup>4</sup>	0.33 <sup>4</sup>	2.37 <sup>3</sup>	178	19
12-31-2015	13.35	0.33 <sup>3</sup>	(0.33)	— <sup>5</sup>	(0.34)	(0.14)	(0.48)	12.87	(0.03)	0.34 <sup>4</sup>	0.33 <sup>4</sup>	2.44 <sup>3</sup>	181	17
12-31-2014	13.19	0.40 <sup>3</sup>	0.31	0.71	(0.35)	(0.20)	(0.55)	13.35	5.41	0.35 <sup>4</sup>	0.33 <sup>4</sup>	2.99 <sup>3</sup>	188	56
Series NAV														
12-31-2018	13.38	0.36 <sup>3</sup>	(0.61)	(0.25)	(0.33)	(0.14)	(0.47)	12.66	(1.92)	0.11 <sup>4</sup>	0.07 <sup>4</sup>	2.70 <sup>3</sup>	5	21
12-31-2017	12.90	0.35 <sup>3</sup>	0.56	0.91	(0.35)	(0.08)	(0.43)	13.38	7.01	0.11 <sup>4</sup>	0.08 <sup>4</sup>	2.75 <sup>3</sup>	4	12
12-31-2016	12.85	0.61 <sup>3</sup>	(0.05)	0.56	(0.37)	(0.14)	(0.51)	12.90	4.36	0.10 <sup>4</sup>	0.08 <sup>4</sup>	4.67 <sup>3</sup>	3	19
12-31-2015	13.33	0.46 <sup>3</sup>	(0.43)	0.03	(0.37)	(0.14)	(0.51)	12.85	0.22	0.09 <sup>4</sup>	0.08 <sup>4</sup>	3.44 <sup>3</sup>	1	17
12-31-2014	13.17	0.60 <sup>3</sup>	0.15	0.75	(0.39)	(0.20)	(0.59)	13.33	5.68	0.10 <sup>4</sup>	0.08 <sup>4</sup>	4.44 <sup>3</sup>	— <sup>6</sup>	56

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.
5. Less than \$0.005 per share.
6. Less than \$500,000.

## Lifestyle Growth Portfolio

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	16.41	0.30 <sup>3</sup>	(1.28)	(0.98)	(0.32)	(0.25)	(0.57)	14.86	(6.12)	0.11 <sup>4</sup>	0.11 <sup>4</sup>	1.85 <sup>3</sup>	207	5
12-31-2017	14.53	0.45 <sup>3</sup>	1.88	2.33	(0.30)	(0.15)	(0.45)	16.41	16.13	0.12 <sup>4</sup>	0.11 <sup>4</sup>	3.34 <sup>3</sup>	242	4 <sup>5</sup>
12-31-2016	14.23	0.46 <sup>3</sup>	0.56	1.02	(0.27)	(0.45)	(0.72)	14.53	7.23	0.11 <sup>4</sup>	0.11 <sup>4</sup>	3.16 <sup>3</sup>	93	12 <sup>5</sup>
12-31-2015	14.85	0.32 <sup>3</sup>	(0.34)	(0.02)	(0.32)	(0.28)	(0.60)	14.23	(0.12)	0.11 <sup>4</sup>	0.11 <sup>4</sup>	2.11 <sup>3</sup>	39	9
12-31-2014	14.51	0.39 <sup>3</sup>	0.51	0.90	(0.32)	(0.24)	(0.56)	14.85	6.17	0.11 <sup>4</sup>	0.11 <sup>4</sup>	2.61 <sup>3</sup>	37	18
Series II														
12-31-2018	16.43	0.27 <sup>3</sup>	(1.29)	(1.02)	(0.28)	(0.25)	(0.53)	14.88	(6.31)	0.31 <sup>4</sup>	0.31 <sup>4</sup>	1.62 <sup>3</sup>	5,225	5
12-31-2017	14.55	0.40 <sup>3</sup>	1.90	2.30	(0.27)	(0.15)	(0.42)	16.43	15.90	0.32 <sup>4</sup>	0.31 <sup>4</sup>	2.89 <sup>3</sup>	6,456	4 <sup>5</sup>
12-31-2016	14.25	0.34 <sup>3</sup>	0.66	1.00	(0.25)	(0.45)	(0.70)	14.55	7.02	0.31 <sup>4</sup>	0.31 <sup>4</sup>	2.35 <sup>3</sup>	2,889	12 <sup>5</sup>
12-31-2015	14.86	0.29 <sup>3</sup>	(0.33)	(0.04)	(0.29)	(0.28)	(0.57)	14.25	(0.25)	0.31 <sup>4</sup>	0.31 <sup>4</sup>	1.93 <sup>3</sup>	1,904	9
12-31-2014	14.53	0.34 <sup>3</sup>	0.52	0.86	(0.29)	(0.24)	(0.53)	14.86	5.88	0.31 <sup>4</sup>	0.31 <sup>4</sup>	2.31 <sup>3</sup>	1,873	18
Series NAV														
12-31-2018	16.40	0.33 <sup>3</sup>	(1.31)	(0.98)	(0.32)	(0.25)	(0.57)	14.85	(6.07)	0.06 <sup>4</sup>	0.06 <sup>4</sup>	2.00 <sup>3</sup>	339	5
12-31-2017	14.52	0.46 <sup>3</sup>	1.88	2.34	(0.31)	(0.15)	(0.46)	16.40	16.20	0.07 <sup>4</sup>	0.06 <sup>4</sup>	3.61 <sup>3</sup>	346	4 <sup>5</sup>
12-31-2016	14.23	0.52 <sup>3</sup>	0.50	1.02	(0.28)	(0.45)	(0.73)	14.52	7.21	0.06 <sup>4</sup>	0.06 <sup>4</sup>	3.59 <sup>3</sup>	109	12 <sup>5</sup>
12-31-2015	14.84	0.43 <sup>3</sup>	(0.43)	— <sup>6</sup>	(0.33)	(0.28)	(0.61)	14.23	0.00 <sup>7</sup>	0.06 <sup>4</sup>	0.06 <sup>4</sup>	2.93 <sup>3</sup>	30	9
12-31-2014	14.50	0.75 <sup>3</sup>	0.16	0.91	(0.33)	(0.24)	(0.57)	14.84	6.22	0.06 <sup>4</sup>	0.06 <sup>4</sup>	5.02 <sup>3</sup>	12	18

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.
5. Excludes merger activity.
6. Less than \$0.005 per share.
7. Less than 0.005%.

## Lifestyle Moderate Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	14.44	0.31 <sup>3</sup>	(0.81)	(0.50)	(0.33)	(0.23)	(0.56)	13.38	(3.58)	0.14 <sup>4</sup>	0.13 <sup>4</sup>	2.17 <sup>3</sup>	10	8
12-31-2017	13.50	0.33 <sup>3</sup>	1.07	1.40	(0.33)	(0.13)	(0.46)	14.44	10.43	0.14 <sup>4</sup>	0.13 <sup>4</sup>	2.35 <sup>3</sup>	11	7
12-31-2016	13.37	0.34 <sup>3</sup>	0.40	0.74	(0.33)	(0.28)	(0.61)	13.50	5.50	0.13 <sup>4</sup>	0.12 <sup>4</sup>	2.48 <sup>3</sup>	10	14
12-31-2015	13.95	0.35 <sup>3</sup>	(0.34)	0.01	(0.34)	(0.25)	(0.59)	13.37	0.10	0.13 <sup>4</sup>	0.12 <sup>4</sup>	2.47 <sup>3</sup>	9	11
12-31-2014	13.82	0.43 <sup>3</sup>	0.38	0.81	(0.36)	(0.32)	(0.68)	13.95	5.91	0.13 <sup>4</sup>	0.13 <sup>4</sup>	3.03 <sup>3</sup>	8	38
Series II														
12-31-2018	14.47	0.28 <sup>3</sup>	(0.81)	(0.53)	(0.30)	(0.23)	(0.53)	13.41	(3.77)	0.34 <sup>4</sup>	0.33 <sup>4</sup>	1.94 <sup>3</sup>	247	8
12-31-2017	13.52	0.30 <sup>3</sup>	1.08	1.38	(0.30)	(0.13)	(0.43)	14.47	10.28	0.34 <sup>4</sup>	0.33 <sup>4</sup>	2.04 <sup>3</sup>	295	7
12-31-2016	13.39	0.29 <sup>3</sup>	0.42	0.71	(0.30)	(0.28)	(0.58)	13.52	5.28	0.33 <sup>4</sup>	0.32 <sup>4</sup>	2.14 <sup>3</sup>	295	14
12-31-2015	13.97	0.30 <sup>3</sup>	(0.32)	(0.02)	(0.31)	(0.25)	(0.56)	13.39	(0.10)	0.33 <sup>4</sup>	0.32 <sup>4</sup>	2.17 <sup>3</sup>	304	11
12-31-2014	13.85	0.37 <sup>3</sup>	0.40	0.77	(0.33)	(0.32)	(0.65)	13.97	5.61	0.33 <sup>4</sup>	0.33 <sup>4</sup>	2.64 <sup>3</sup>	323	38
Series NAV														
12-31-2018	14.44	0.35 <sup>3</sup>	(0.85)	(0.50)	(0.33)	(0.23)	(0.56)	13.38	(3.53)	0.09 <sup>4</sup>	0.08 <sup>4</sup>	2.46 <sup>3</sup>	22	8
12-31-2017	13.49	0.35 <sup>3</sup>	1.07	1.42	(0.34)	(0.13)	(0.47)	14.44	10.56	0.09 <sup>4</sup>	0.08 <sup>4</sup>	2.59 <sup>3</sup>	20	7
12-31-2016	13.36	0.41 <sup>3</sup>	0.34	0.75	(0.34)	(0.28)	(0.62)	13.49	5.55	0.08 <sup>4</sup>	0.08 <sup>4</sup>	3.00 <sup>3</sup>	14	14
12-31-2015	13.94	0.47 <sup>3</sup>	(0.45)	0.02	(0.35)	(0.25)	(0.60)	13.36	0.15	0.08 <sup>4</sup>	0.07 <sup>4</sup>	3.36 <sup>3</sup>	8	11
12-31-2014	13.82	0.83 <sup>3</sup>	(0.02)	0.81	(0.37)	(0.32)	(0.69)	13.94	5.88	0.08 <sup>4</sup>	0.08 <sup>4</sup>	5.89 <sup>3</sup>	3	38

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Managed Volatility Aggressive Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3</sup>	Expenses before reductions (%) <sup>4</sup>	Expenses including reductions (%) <sup>4</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	11.90	0.15	(1.07)	(0.92)	(0.14)	(0.87)	(1.01)	9.97	(8.46)	0.18	0.10	1.26	64	58	
12-31-2017	9.85	0.13	2.11	2.24	(0.13)	(0.06)	(0.19)	11.90	22.82	0.16	0.09	1.15	80	15	
12-31-2016	9.91	0.14	0.05	0.19	(0.14)	(0.11)	(0.25)	9.85	1.95	0.15	0.10	1.40	76	55	
12-31-2015	10.75	0.12	(0.75)	(0.63)	(0.12)	(0.09)	(0.21)	9.91	(5.85)	0.13	0.10	1.09	83	16	
12-31-2014	10.91	0.11	0.05	0.16	(0.12)	(0.20)	(0.32)	10.75	1.40	0.13	0.10	1.03	105	31	
Series II															
12-31-2018	11.86	0.12	(1.05)	(0.93)	(0.12)	(0.87)	(0.99)	9.94	(8.61)	0.38	0.30	1.04	67	58	
12-31-2017	9.82	0.10	2.12	2.22	(0.12)	(0.06)	(0.18)	11.86	22.56	0.36	0.29	0.94	88	15	
12-31-2016	9.89	0.11	0.05	0.16	(0.12)	(0.11)	(0.23)	9.82	1.66	0.35	0.30	1.17	87	55	
12-31-2015	10.73	0.09	(0.74)	(0.65)	(0.10)	(0.09)	(0.19)	9.89	(6.05)	0.33	0.30	0.86	102	16	
12-31-2014	10.88	0.09	0.06	0.15	(0.10)	(0.20)	(0.30)	10.73	1.29	0.33	0.30	0.78	136	31	
Series NAV															
12-31-2018	11.90	0.16	(1.06)	(0.90)	(0.15)	(0.87)	(1.02)	9.98	(8.32)	0.13	0.05	1.37	207	58	
12-31-2017	9.85	0.14	2.11	2.25	(0.14)	(0.06)	(0.20)	11.90	22.88	0.11	0.04	1.25	227	15	
12-31-2016	9.91	0.14	0.06	0.20	(0.15)	(0.11)	(0.26)	9.85	1.90	0.10	0.05	1.46	194	55	
12-31-2015	10.76	0.13	(0.76)	(0.63)	(0.13)	(0.09)	(0.22)	9.91	(5.79)	0.08	0.05	1.21	201	16	
12-31-2014	10.91	0.13	0.05	0.18	(0.13)	(0.20)	(0.33)	10.76	1.54	0.08	0.05	1.15	210	31	

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Managed Volatility Balanced Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations				Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3</sup>	Expenses before reductions (%) <sup>4</sup>	Expenses including reductions (%) <sup>4</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	12.96	0.25	(0.82)	(0.57)	(0.25)	(0.91)	(1.16)	11.23	(4.89)	0.15	0.10	1.95	531	36	
12-31-2017	12.05	0.24	1.44	1.68	(0.25)	(0.52)	(0.77)	12.96	14.13	0.13	0.09	1.91	642	7	
12-31-2016	12.24	0.24	0.35	0.59	(0.25)	(0.53)	(0.78)	12.05	4.79	0.12	0.09	1.97	629	17	
12-31-2015	13.87	0.27	(0.58)	(0.31)	(0.27)	(1.05)	(1.32)	12.24	(2.25)	0.12	0.09	1.97	671	9	
12-31-2014	13.69	0.29	0.30	0.59	(0.31)	(0.10)	(0.41)	13.87	4.29	0.11	0.10	2.05	768	20	
Series II															
12-31-2018	12.89	0.22	(0.82)	(0.60)	(0.22)	(0.91)	(1.13)	11.16	(5.04)	0.35	0.30	1.73	4,900	36	
12-31-2017	11.99	0.21	1.43	1.64	(0.22)	(0.52)	(0.74)	12.89	13.82	0.33	0.29	1.68	5,985	7	
12-31-2016	12.18	0.21	0.35	0.56	(0.22)	(0.53)	(0.75)	11.99	4.61	0.32	0.29	1.75	6,054	17	
12-31-2015	13.80	0.24	(0.57)	(0.33)	(0.24)	(1.05)	(1.29)	12.18	(2.39)	0.32	0.29	1.74	6,646	9	
12-31-2014	13.63	0.25	0.30	0.55	(0.28)	(0.10)	(0.38)	13.80	4.03	0.31	0.30	1.80	7,970	20	
Series NAV															
12-31-2018	12.99	0.26	(0.83)	(0.57)	(0.25)	(0.91)	(1.16)	11.26	(4.82)	0.10	0.05	2.04	1,133	36	
12-31-2017	12.08	0.25	1.44	1.69	(0.26)	(0.52)	(0.78)	12.99	14.15	0.08	0.04	1.99	1,272	7	
12-31-2016	12.26	0.25	0.35	0.60	(0.25)	(0.53)	(0.78)	12.08	4.92	0.07	0.04	2.06	1,183	17	
12-31-2015	13.89	0.28	(0.58)	(0.30)	(0.28)	(1.05)	(1.33)	12.26	(2.20)	0.07	0.04	2.06	1,192	9	
12-31-2014	13.72	0.30	0.28	0.58	(0.31)	(0.10)	(0.41)	13.89	4.26	0.06	0.05	2.15	1,293	20	

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Managed Volatility Conservative Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets					
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3</sup>	Expenses before reductions (%) <sup>4</sup>	Expenses including reductions (%) <sup>4</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	11.48	0.27	(0.51)	(0.24)	(0.28)	(0.35)	(0.63)	10.61	(2.18)	0.15	0.09	2.43	155	34
12-31-2017	11.12	0.26	0.60	0.86	(0.27)	(0.23)	(0.50)	11.48	7.82	0.13	0.08	2.26	177	8
12-31-2016	11.14	0.27	0.24	0.51	(0.27)	(0.26)	(0.53)	11.12	4.58	0.12	0.09	2.38	188	11
12-31-2015	12.12	0.29	(0.29)	—	(0.28)	(0.70)	(0.98)	11.14	0.05	0.12	0.09	2.42	180	11
12-31-2014	12.58	0.32	0.31	0.63	(0.33)	(0.76)	(1.09)	12.12	5.02	0.12	0.10	2.50	191	33
Series II														
12-31-2018	11.40	0.25	(0.52)	(0.27)	(0.25)	(0.35)	(0.60)	10.53	(2.39)	0.35	0.29	2.19	908	34
12-31-2017	11.04	0.23	0.61	0.84	(0.25)	(0.23)	(0.48)	11.40	7.67	0.33	0.28	2.03	1,112	8
12-31-2016	11.07	0.24	0.24	0.48	(0.25)	(0.26)	(0.51)	11.04	4.31	0.32	0.29	2.10	1,236	11
12-31-2015	12.05	0.25	(0.27)	(0.02)	(0.26)	(0.70)	(0.96)	11.07	(0.15)	0.32	0.29	2.13	1,344	11
12-31-2014	12.51	0.29	0.32	0.61	(0.31)	(0.76)	(1.07)	12.05	4.84	0.32	0.30	2.25	1,583	33
Series NAV														
12-31-2018	11.51	0.27	(0.51)	(0.24)	(0.28)	(0.35)	(0.63)	10.64	(2.21)	0.10	0.04	2.42	51	34
12-31-2017	11.14	0.32	0.56	0.88	(0.28)	(0.23)	(0.51)	11.51	7.94	0.08	0.03	2.73	64	8
12-31-2016	11.17	0.28	0.23	0.51	(0.28)	(0.26)	(0.54)	11.14	4.53	0.07	0.04	2.42	50	11
12-31-2015	12.14	0.30	(0.28)	0.02	(0.29)	(0.70)	(0.99)	11.17	0.18	0.07	0.04	2.45	48	11
12-31-2014	12.61	0.35	0.28	0.63	(0.34)	(0.76)	(1.10)	12.14	4.97	0.07	0.05	2.71	50	33

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Managed Volatility Growth Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3</sup>	Expenses before reductions (%) <sup>4</sup>	Expenses including reductions (%) <sup>4</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	14.55	0.24	(1.08)	(0.84)	(0.23)	(1.28)	(1.51)	12.20	(6.54)	0.15	0.10	1.67	591	37	
12-31-2017	12.99	0.23	2.14	2.37	(0.24)	(0.57)	(0.81)	14.55	18.59	0.13	0.09	1.67	709	9	
12-31-2016	13.17	0.22	0.23	0.45	(0.23)	(0.40)	(0.63)	12.99	3.34	0.12	0.10	1.72	676	26	
12-31-2015	14.13	0.23	(0.88)	(0.65)	(0.24)	(0.07)	(0.31)	13.17	(4.53)	0.12	0.10	1.66	722	9	
12-31-2014	14.23	0.25	0.06	0.31	(0.26)	(0.15)	(0.41)	14.13	2.16	0.12	0.10	1.73	839	18	
Series II															
12-31-2018	14.51	0.21	(1.07)	(0.86)	(0.21)	(1.28)	(1.49)	12.16	(6.70)	0.35	0.30	1.45	6,931	37	
12-31-2017	12.95	0.20	2.14	2.34	(0.21)	(0.57)	(0.78)	14.51	18.35	0.33	0.29	1.46	8,532	9	
12-31-2016	13.14	0.19	0.22	0.41	(0.20)	(0.40)	(0.60)	12.95	3.15	0.32	0.30	1.49	8,177	26	
12-31-2015	14.10	0.20	(0.88)	(0.68)	(0.21)	(0.07)	(0.28)	13.14	(4.81)	0.32	0.30	1.43	9,102	9	
12-31-2014	14.19	0.21	0.08	0.29	(0.23)	(0.15)	(0.38)	14.10	2.04	0.32	0.30	1.47	11,165	18	
Series NAV															
12-31-2018	14.57	0.25	(1.09)	(0.84)	(0.24)	(1.28)	(1.52)	12.21	(6.55)	0.10	0.05	1.76	703	37	
12-31-2017	13.00	0.25	2.14	2.39	(0.25)	(0.57)	(0.82)	14.57	18.71	0.08	0.04	1.77	778	9	
12-31-2016	13.19	0.24	0.21	0.45	(0.24)	(0.40)	(0.64)	13.00	3.38	0.07	0.05	1.81	677	26	
12-31-2015	14.15	0.25	(0.89)	(0.64)	(0.25)	(0.07)	(0.32)	13.19	(4.55)	0.07	0.05	1.79	673	9	
12-31-2014	14.24	0.27	0.06	0.33	(0.27)	(0.15)	(0.42)	14.15	2.28	0.07	0.05	1.86	703	18	

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Managed Volatility Moderate Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets					
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3</sup>	Expenses before reductions (%) <sup>4</sup>	Expenses including reductions (%) <sup>4</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	12.33	0.26	(0.71)	(0.45)	(0.26)	(0.78)	(1.04)	10.84	(3.99)	0.14	0.09	2.12	230	35
12-31-2017	11.65	0.25	1.12	1.37	(0.26)	(0.43)	(0.69)	12.33	11.88	0.13	0.09	2.05	266	9
12-31-2016	11.72	0.25	0.38	0.63	(0.25)	(0.45)	(0.70)	11.65	5.29	0.12	0.09	2.07	259	13
12-31-2015	13.30	0.28	(0.41)	(0.13)	(0.27)	(1.18)	(1.45)	11.72	(0.91)	0.12	0.09	2.14	257	10
12-31-2014	13.68	0.31	0.37	0.68	(0.32)	(0.74)	(1.06)	13.30	4.94	0.12	0.10	2.24	289	26
Series II														
12-31-2018	12.25	0.23	(0.69)	(0.46)	(0.24)	(0.78)	(1.02)	10.77	(4.12)	0.34	0.29	1.89	1,557	35
12-31-2017	11.58	0.22	1.11	1.33	(0.23)	(0.43)	(0.66)	12.25	11.65	0.33	0.29	1.80	1,891	9
12-31-2016	11.65	0.22	0.38	0.60	(0.22)	(0.45)	(0.67)	11.58	5.12	0.32	0.29	1.83	1,966	13
12-31-2015	13.23	0.24	(0.39)	(0.15)	(0.25)	(1.18)	(1.43)	11.65	(1.12)	0.32	0.29	1.88	2,131	10
12-31-2014	13.62	0.27	0.37	0.64	(0.29)	(0.74)	(1.03)	13.23	4.68	0.32	0.30	1.98	2,513	26
Series NAV														
12-31-2018	12.34	0.26	(0.70)	(0.44)	(0.27)	(0.78)	(1.05)	10.85	(3.94)	0.09	0.04	2.15	119	35
12-31-2017	11.65	0.26	1.12	1.38	(0.26)	(0.43)	(0.69)	12.34	12.02	0.08	0.04	2.11	134	9
12-31-2016	11.73	0.26	0.36	0.62	(0.25)	(0.45)	(0.70)	11.65	5.25	0.07	0.04	2.15	116	13
12-31-2015	13.31	0.29	(0.41)	(0.12)	(0.28)	(1.18)	(1.46)	11.73	(0.86)	0.07	0.04	2.20	112	10
12-31-2014	13.69	0.34	0.35	0.69	(0.33)	(0.74)	(1.07)	13.31	4.99	0.07	0.05	2.46	115	26

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Ratios do not include expense indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Mid Cap Index Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	23.00	0.27	(2.60)	(2.33)	(0.25)	(1.59)	(1.84)	18.83	(11.46)	0.56	0.45	1.17	1,029	15	
12-31-2017	21.32	0.24	2.95	3.19	(0.11)	(1.40)	(1.51)	23.00	15.81	0.56	0.45	1.07	1,277	19 <sup>3,4</sup>	
12-31-2016	19.66	0.25	3.56	3.81	(0.24)	(1.91)	(2.15)	21.32	20.11	0.56	0.45	1.24	805	22	
12-31-2015	22.29	0.24	(0.83)	(0.59)	(0.22)	(1.82)	(2.04)	19.66	(2.59)	0.56	0.45	1.10	661	23	
12-31-2014	21.82	0.23	1.79	2.02	(0.22)	(1.33)	(1.55)	22.29	9.35	0.56	0.46	1.05	679	14	
Series II															
12-31-2018	22.89	0.22	(2.58)	(2.36)	(0.21)	(1.59)	(1.80)	18.73	(11.66)	0.76	0.65	0.96	66	15	
12-31-2017	21.24	0.19	2.93	3.12	(0.07)	(1.40)	(1.47)	22.89	15.51	0.76	0.65	0.85	90	19 <sup>3,4</sup>	
12-31-2016	19.58	0.21	3.56	3.77	(0.20)	(1.91)	(2.11)	21.24	19.92	0.76	0.65	1.03	68	22	
12-31-2015	22.22	0.20	(0.84)	(0.64)	(0.18)	(1.82)	(2.00)	19.58	(2.80)	0.76	0.65	0.89	63	23	
12-31-2014	21.76	0.19	1.77	1.96	(0.17)	(1.33)	(1.50)	22.22	9.12	0.76	0.66	0.84	71	14	
Series NAV															
12-31-2018	23.00	0.28	(2.60)	(2.32)	(0.27)	(1.59)	(1.86)	18.82	(11.45)	0.51	0.40	1.23	174	15	
12-31-2017	21.32	0.24	2.96	3.20	(0.12)	(1.40)	(1.52)	23.00	15.86	0.51	0.40	1.10	198	19 <sup>3,4</sup>	
12-31-2016	19.65	0.26	3.57	3.83	(0.25)	(1.91)	(2.16)	21.32	20.17	0.51	0.40	1.30	134	22	
12-31-2015	22.29	0.25	(0.84)	(0.59)	(0.23)	(1.82)	(2.05)	19.65	(2.54)	0.51	0.40	1.15	105	23	
12-31-2014	21.82	0.25	1.78	2.03	(0.23)	(1.33)	(1.56)	22.29	9.40	0.51	0.41	1.11	106	14	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Excludes in-kind transactions.
4. Excludes merger activity.

## Mid Cap Stock Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	17.82	(0.08)	0.15	0.07	—	(2.10)	(2.10)	15.79	(1.56)	0.93	0.92	(0.41)	142	69	
12-31-2017	14.16	(0.03)	4.04	4.01	—	(0.35)	(0.35)	17.82	28.54	0.93	0.92	(0.16)	166	71	
12-31-2016	15.17	(0.04)	0.16	0.12	—	(1.13)	(1.13)	14.16	0.59	0.90 <sup>3</sup>	0.89 <sup>3</sup>	(0.27)	150	85	
12-31-2015	18.61	(0.05)	0.55	0.50	—	(3.94)	(3.94)	15.17	3.00	0.92	0.91	(0.28)	170	78	
12-31-2014	21.07	(0.08)	1.68	1.60	(0.02)	(4.04)	(4.06)	18.61	8.02	0.92	0.91	(0.37)	188	103	
Series II															
12-31-2018	16.87	(0.11)	0.17	0.06	—	(2.10)	(2.10)	14.83	(1.71)	1.13	1.12	(0.61)	73	69	
12-31-2017	13.45	(0.06)	3.83	3.77	—	(0.35)	(0.35)	16.87	28.26	1.13	1.12	(0.36)	85	71	
12-31-2016	14.49	(0.06)	0.15	0.09	—	(1.13)	(1.13)	13.45	0.41	1.10 <sup>3</sup>	1.09 <sup>3</sup>	(0.47)	76	85	
12-31-2015	17.99	(0.08)	0.52	0.44	—	(3.94)	(3.94)	14.49	2.75	1.12	1.11	(0.48)	91	78	
12-31-2014	20.51	(0.11)	1.63	1.52	—	(4.04)	(4.04)	17.99	7.82	1.12	1.11	(0.58)	99	103	
Series NAV															
12-31-2018	18.03	(0.07)	0.14	0.07	—	(2.10)	(2.10)	16.00	(1.54)	0.88	0.87	(0.35)	454	69	
12-31-2017	14.31	(0.02)	4.09	4.07	—	(0.35)	(0.35)	18.03	28.66	0.88	0.87	(0.12)	501	71	
12-31-2016	15.32	(0.03)	0.15	0.12	—	(1.13)	(1.13)	14.31	0.58	0.85 <sup>3</sup>	0.84 <sup>3</sup>	(0.22)	449	85	
12-31-2015	18.75	(0.04)	0.55	0.51	—	(3.94)	(3.94)	15.32	3.04	0.87	0.86	(0.23)	506	78	
12-31-2014	21.19	(0.07)	1.70	1.63	(0.03)	(4.04)	(4.07)	18.75	8.12	0.87	0.86	(0.32)	562	103	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.03%.

## Mid Value Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	11.60	0.09	(1.20)	(1.11)	(0.09)	(0.93)	(1.02)	9.47	(10.84)	1.05	0.99	0.80	241	35	
12-31-2017	11.62	0.11	1.10	1.21	(0.11)	(1.12)	(1.23)	11.60	11.43	1.04	0.99	0.96	312	32	
12-31-2016	10.72	0.12	2.35	2.47	(0.13)	(1.44)	(1.57)	11.62	24.02	1.02 <sup>3</sup>	0.96 <sup>3</sup>	1.03	339	56	
12-31-2015	13.96	0.13	(0.68)	(0.55)	(0.14)	(2.55)	(2.69)	10.72	(3.43)	1.04	0.98	0.99	276	47	
12-31-2014	13.99	0.11	1.37	1.48	(0.10)	(1.41)	(1.51)	13.96	10.60	1.04	0.98	0.77	347	32	
Series II															
12-31-2018	11.61	0.07	(1.19)	(1.12)	(0.07)	(0.93)	(1.00)	9.49	(10.93)	1.25	1.19	0.60	48	35	
12-31-2017	11.63	0.09	1.10	1.19	(0.09)	(1.12)	(1.21)	11.61	11.21	1.24	1.19	0.76	62	32	
12-31-2016	10.73	0.09	2.36	2.45	(0.11)	(1.44)	(1.55)	11.63	23.77	1.21 <sup>3</sup>	1.16 <sup>3</sup>	0.83	67	56	
12-31-2015	13.97	0.10	(0.67)	(0.57)	(0.12)	(2.55)	(2.67)	10.73	(3.64)	1.24	1.18	0.79	59	47	
12-31-2014	14.00	0.08	1.38	1.46	(0.08)	(1.41)	(1.49)	13.97	10.39	1.24	1.18	0.57	76	32	
Series NAV															
12-31-2018	11.53	0.10	(1.18)	(1.08)	(0.10)	(0.93)	(1.03)	9.42	(10.68)	1.00	0.94	0.86	359	35	
12-31-2017	11.56	0.11	1.10	1.21	(0.12)	(1.12)	(1.24)	11.53	11.46	0.99	0.94	0.99	434	32	
12-31-2016	10.67	0.12	2.34	2.46	(0.13)	(1.44)	(1.57)	11.56	24.09	0.97 <sup>3</sup>	0.91 <sup>3</sup>	1.09	425	56	
12-31-2015	13.91	0.13	(0.67)	(0.54)	(0.15)	(2.55)	(2.70)	10.67	(3.40)	0.99	0.93	1.04	408	47	
12-31-2014	13.94	0.12	1.37	1.49	(0.11)	(1.41)	(1.52)	13.91	10.70	0.99	0.93	0.82	481	32	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.02%.

## Money Market Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	1.00	0.015	— <sup>3</sup>	0.015	(0.015)	— <sup>3</sup>	(0.015)	1.00	1.54	0.47	0.33	1.53	1,415	—
12-31-2017	1.00	0.006	— <sup>3</sup>	0.006	(0.006)	— <sup>3</sup>	(0.006)	1.00	0.59	0.46	0.33	0.58	1,372	—
12-31-2016	1.00	0.001	— <sup>3</sup>	0.001	(0.001)	—	(0.001)	1.00	0.07	0.48	0.35	0.07	1,718	—
12-31-2015	1.00	—	— <sup>3</sup>	— <sup>3</sup>	—	— <sup>3</sup>	— <sup>3</sup>	1.00	0.00 <sup>4</sup>	0.56	0.17	—	1,714	—
12-31-2014	1.00	—	— <sup>3</sup>	— <sup>3</sup>	—	— <sup>3</sup>	— <sup>3</sup>	1.00	0.00 <sup>4</sup>	0.56	0.16	—	1,794	—
Series II														
12-31-2018	1.00	0.013	— <sup>3</sup>	0.013	(0.013)	— <sup>3</sup>	(0.013)	1.00	1.34	0.67	0.53	1.31	140	—
12-31-2017	1.00	0.004	— <sup>3</sup>	0.004	(0.004)	— <sup>3</sup>	(0.004)	1.00	0.39	0.66	0.53	0.38	173	—
12-31-2016	1.00	—	— <sup>3</sup>	— <sup>3</sup>	—	—	—	1.00	0.00	0.68	0.42	—	211	—
12-31-2015	1.00	—	— <sup>3</sup>	— <sup>3</sup>	—	— <sup>3</sup>	— <sup>3</sup>	1.00	0.00 <sup>4</sup>	0.76	0.17	—	253	—
12-31-2014	1.00	—	— <sup>3</sup>	— <sup>3</sup>	—	— <sup>3</sup>	— <sup>3</sup>	1.00	0.00 <sup>4</sup>	0.76	0.16	—	315	—
Series NAV														
12-31-2018	1.00	0.016	— <sup>3</sup>	0.016	(0.016)	— <sup>3</sup>	(0.016)	1.00	1.59	0.42	0.28	1.59	444	—
12-31-2017	1.00	0.006	— <sup>3</sup>	0.006	(0.006)	— <sup>3</sup>	(0.006)	1.00	0.64	0.41	0.28	0.63	398	—
12-31-2016 <sup>5</sup>	1.00	0.001	— <sup>3</sup>	0.001	(0.001)	—	(0.001)	1.00	0.11 <sup>6</sup>	0.43 <sup>7</sup>	0.34 <sup>7</sup>	0.16 <sup>7</sup>	394	—

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Less than \$0.0005 per share.
4. Less than 0.005%.
5. After the close of business on April 29, 2016, holders of Series NAV shares of Money Market Trust B became owners of an equal number of full and fractional Series NAV shares of Money Market Trust. These shares were first offered on 5-2-16.
6. Not annualized.
7. Annualized.

## Real Estate Securities Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	19.71	0.43	(1.09)	(0.66)	(0.33)	—	(0.33)	18.72	(3.46)	0.81	0.81	2.21	64	164
12-31-2017	18.65	0.40	0.76	1.16	(0.10)	—	(0.10)	19.71	6.24	0.81	0.80	2.08	77	166
12-31-2016	18.08	0.44	0.78	1.22	(0.65)	—	(0.65)	18.65	6.92	0.74 <sup>3</sup>	0.74 <sup>3</sup>	2.32	85	147
12-31-2015	17.95	0.36	0.11	0.47	(0.34)	—	(0.34)	18.08	2.68	0.79	0.79	2.02	90	152
12-31-2014	13.84	0.30	4.08	4.38	(0.27)	—	(0.27)	17.95	31.73	0.79	0.79	1.88	104	131
Series II														
12-31-2018	19.74	0.38	(1.08)	(0.70)	(0.32)	—	(0.32)	18.72	(3.64)	1.01	1.01	2.00	35	164
12-31-2017	18.68	0.36	0.77	1.13	(0.07)	—	(0.07)	19.74	6.06	1.01	1.00	1.88	45	166
12-31-2016	18.11	0.40	0.78	1.18	(0.61)	—	(0.61)	18.68	6.69	0.94 <sup>3</sup>	0.93 <sup>3</sup>	2.11	51	147
12-31-2015	17.97	0.32	0.13	0.45	(0.31)	—	(0.31)	18.11	2.46	0.99	0.99	1.80	55	152
12-31-2014	13.86	0.27	4.08	4.35	(0.24)	—	(0.24)	17.97	31.52	0.99	0.99	1.65	66	131
Series NAV														
12-31-2018	19.59	0.43	(1.08)	(0.65)	(0.33)	—	(0.33)	18.61	(3.43)	0.76	0.76	2.26	204	164
12-31-2017	18.53	0.41	0.76	1.17	(0.11)	—	(0.11)	19.59	6.26	0.76	0.75	2.15	254	166
12-31-2016	17.97	0.45	0.77	1.22	(0.66)	—	(0.66)	18.53	6.96	0.69 <sup>3</sup>	0.69 <sup>3</sup>	2.37	267	147
12-31-2015	17.84	0.38	0.10	0.48	(0.35)	—	(0.35)	17.97	2.80	0.74	0.74	2.12	271	152
12-31-2014	13.76	0.31	4.05	4.36	(0.28)	—	(0.28)	17.84	31.75	0.74	0.74	1.93	283	131

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.06%.

## Science & Technology Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	29.97	(0.11)	0.68	0.57	—	(4.74)	(4.74)	25.80	(0.61)	1.12	1.08	(0.35)	594	108	
12-31-2017	22.48	(0.09)	9.17	9.08	(0.02)	(1.57)	(1.59)	29.97	41.13	1.12	1.08	(0.34)	617	91	
12-31-2016	23.78	0.02	1.99	2.01	—	(3.31)	(3.31)	22.48	8.39	1.12 <sup>3</sup>	1.07 <sup>3</sup>	0.09	425	111	
12-31-2015	27.08	(0.08)	1.43	1.35	—	(4.65)	(4.65)	23.78	6.69	1.12	1.07	(0.32)	437	118	
12-31-2014	24.73	(0.07)	3.25	3.18	—	(0.83)	(0.83)	27.08	12.89	1.11	1.07	(0.29)	420	100	
Series II															
12-31-2018	28.79	(0.17)	0.70	0.53	—	(4.74)	(4.74)	24.58	(0.78)	1.32	1.28	(0.55)	49	108	
12-31-2017	21.68	(0.14)	8.82	8.68	—	(1.57)	(1.57)	28.79	40.81	1.32	1.28	(0.54)	53	91	
12-31-2016	23.09	(0.02)	1.92	1.90	—	(3.31)	(3.31)	21.68	8.15	1.32 <sup>3</sup>	1.27 <sup>3</sup>	(0.11)	42	111	
12-31-2015	26.48	(0.13)	1.39	1.26	—	(4.65)	(4.65)	23.09	6.49	1.32	1.27	(0.52)	45	118	
12-31-2014	24.24	(0.12)	3.19	3.07	—	(0.83)	(0.83)	26.48	12.70	1.31	1.27	(0.49)	48	100	
Series NAV															
12-31-2018	30.26	(0.10)	0.68	0.58	—	(4.74)	(4.74)	26.10	(0.57)	1.07	1.03	(0.31)	64	108	
12-31-2017	22.68	(0.08)	9.26	9.18	(0.03)	(1.57)	(1.60)	30.26	41.21	1.07	1.03	(0.29)	48	91	
12-31-2016	23.96	0.03	2.00	2.03	—	(3.31)	(3.31)	22.68	8.41	1.07 <sup>3</sup>	1.02 <sup>3</sup>	0.14	34	111	
12-31-2015	27.23	(0.07)	1.45	1.38	—	(4.65)	(4.65)	23.96	6.77	1.07	1.02	(0.27)	29	118	
12-31-2014	24.85	(0.06)	3.27	3.21	—	(0.83)	(0.83)	27.23	12.95	1.06	1.02	(0.24)	23	100	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.01%.

## Select Bond Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets					
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	13.42	0.34	(0.40)	(0.06)	(0.37)	—	(0.37)	12.99	(0.43)	0.65	0.62	2.61	173	83
12-31-2017	13.31	0.31	0.18	0.49	(0.38)	—	(0.38)	13.42	3.67	0.65	0.63	2.28	201	92
12-31-2016	13.30	0.31	0.10	0.41	(0.40)	—	(0.40)	13.31	3.06	0.65	0.64	2.23	203	73 <sup>3</sup>
12-31-2015	13.67	0.31	(0.27)	0.04	(0.41)	—	(0.41)	13.30	0.24	0.65	0.64	2.23	203	62
12-31-2014	13.30	0.31	0.42	0.73	(0.36)	—	(0.36)	13.67	5.53	0.64	0.64	2.23	228	104 <sup>3</sup>
Series II														
12-31-2018	13.44	0.32	(0.41)	(0.09)	(0.34)	—	(0.34)	13.01	(0.63)	0.85	0.82	2.42	513	83
12-31-2017	13.33	0.28	0.18	0.46	(0.35)	—	(0.35)	13.44	3.46	0.85	0.83	2.08	491	92
12-31-2016	13.32	0.28	0.10	0.38	(0.37)	—	(0.37)	13.33	2.85	0.85	0.84	2.03	506	73 <sup>3</sup>
12-31-2015	13.69	0.28	(0.27)	0.01	(0.38)	—	(0.38)	13.32	0.04	0.85	0.84	2.03	511	62
12-31-2014	13.31	0.28	0.44	0.72	(0.34)	—	(0.34)	13.69	5.40	0.84	0.84	2.03	558	104 <sup>3</sup>
Series NAV														
12-31-2018	13.41	0.35	(0.41)	(0.06)	(0.37)	—	(0.37)	12.98	(0.38)	0.60	0.57	2.66	7,528	83
12-31-2017	13.31	0.32	0.16	0.48	(0.38)	—	(0.38)	13.41	3.65	0.60	0.58	2.33	8,625	92
12-31-2016	13.29	0.31	0.12	0.43	(0.41)	—	(0.41)	13.31	3.19	0.60	0.59	2.28	8,433	73 <sup>3</sup>
12-31-2015	13.66	0.31	(0.27)	0.04	(0.41)	—	(0.41)	13.29	0.29	0.60	0.59	2.28	8,459	62
12-31-2014	13.29	0.31	0.43	0.74	(0.37)	—	(0.37)	13.66	5.59	0.59	0.59	2.25	9,854	104 <sup>3</sup>

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Excludes merger activity.

## Short Term Government Income Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	12.02	0.15	(0.05)	0.10	(0.25)	—	(0.25)	11.87	0.84	0.68	0.67	1.26	35	28
12-31-2017	12.12	0.11	(0.04)	0.07	(0.17)	—	(0.17)	12.02	0.57	0.67	0.66	0.88	38	47
12-31-2016	12.25	0.09	(0.02)	0.07	(0.20)	—	(0.20)	12.12	0.57	0.64 <sup>3</sup>	0.64 <sup>3</sup>	0.76	41	71
12-31-2015	12.39	0.09	(0.01)	0.08	(0.22)	—	(0.22)	12.25	0.64	0.66	0.65	0.70	45	43
12-31-2014	12.50	0.08	0.06	0.14	(0.25)	—	(0.25)	12.39	1.15	0.66	0.65	0.64	51	46
Series II														
12-31-2018	12.02	0.13	(0.05)	0.08	(0.22)	—	(0.22)	11.88	0.64	0.88	0.87	1.05	26	28
12-31-2017	12.13	0.08	(0.04)	0.04	(0.15)	—	(0.15)	12.02	0.37	0.87	0.86	0.68	28	47
12-31-2016	12.25	0.07	(0.01)	0.06	(0.18)	—	(0.18)	12.13	0.45	0.84 <sup>3</sup>	0.84 <sup>3</sup>	0.56	33	71
12-31-2015	12.40	0.06	(0.01)	0.05	(0.20)	—	(0.20)	12.25	0.36	0.86	0.85	0.50	36	43
12-31-2014	12.51	0.06	0.06	0.12	(0.23)	—	(0.23)	12.40	0.94	0.86	0.85	0.44	38	46
Series NAV														
12-31-2018	12.02	0.15	(0.05)	0.10	(0.25)	—	(0.25)	11.87	0.89	0.63	0.62	1.28	115	28
12-31-2017	12.12	0.11	(0.03)	0.08	(0.18)	—	(0.18)	12.02	0.62	0.62	0.61	0.93	237	47
12-31-2016	12.25	0.10	(0.02)	0.08	(0.21)	—	(0.21)	12.12	0.62	0.59 <sup>3</sup>	0.59 <sup>3</sup>	0.81	251	71
12-31-2015	12.39	0.09	— <sup>4</sup>	0.09	(0.23)	—	(0.23)	12.25	0.69	0.61	0.60	0.75	247	43
12-31-2014	12.50	0.09	0.06	0.15	(0.26)	—	(0.26)	12.39	1.20	0.61	0.60	0.69	303	46

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.02%.
4. Less than \$0.005 per share.



## Small Cap Index Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data				
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	16.09	0.17	(1.78)	(1.61)	(0.15)	(0.97)	(1.12)	13.36	(11.42)	0.58	0.52	1.04	365	24
12-31-2017	14.74	0.15	1.89	2.04	(0.07)	(0.62)	(0.69)	16.09	14.39	0.58	0.52	0.97	416	22
12-31-2016	13.28	0.16	2.51	2.67	(0.15)	(1.06)	(1.21)	14.74	20.98	0.58	0.52	1.18	366	22
12-31-2015	15.40	0.16	(0.87)	(0.71)	(0.15)	(1.26)	(1.41)	13.28	(4.58)	0.58	0.52	1.06	286	19
12-31-2014	15.83	0.14	0.55	0.69	(0.14)	(0.98)	(1.12)	15.40	4.59	0.57	0.52	0.93	302	20
Series II														
12-31-2018	16.00	0.13	(1.75)	(1.62)	(0.12)	(0.97)	(1.09)	13.29	(11.55)	0.78	0.72	0.82	32	24
12-31-2017	14.66	0.11	1.89	2.00	(0.04)	(0.62)	(0.66)	16.00	14.18	0.78	0.72	0.75	42	22
12-31-2016	13.22	0.13	2.50	2.63	(0.13)	(1.06)	(1.19)	14.66	20.70	0.78	0.72	0.98	45	22
12-31-2015	15.34	0.13	(0.87)	(0.74)	(0.12)	(1.26)	(1.38)	13.22	(4.79)	0.78	0.72	0.85	40	19
12-31-2014	15.77	0.11	0.55	0.66	(0.11)	(0.98)	(1.09)	15.34	4.41	0.77	0.72	0.72	52	20
Series NAV														
12-31-2018	16.10	0.18	(1.77)	(1.59)	(0.16)	(0.97)	(1.13)	13.38	(11.30)	0.53	0.47	1.09	124	24
12-31-2017	14.75	0.16	1.89	2.05	(0.08)	(0.62)	(0.70)	16.10	14.43	0.53	0.47	1.02	137	22
12-31-2016	13.29	0.17	2.51	2.68	(0.16)	(1.06)	(1.22)	14.75	21.01	0.53	0.47	1.23	115	22
12-31-2015	15.42	0.17	(0.88)	(0.71)	(0.16)	(1.26)	(1.42)	13.29	(4.59)	0.53	0.47	1.12	87	19
12-31-2014	15.84	0.15	0.56	0.71	(0.15)	(0.98)	(1.13)	15.42	4.71	0.52	0.47	1.00	95	20

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

## Small Cap Opportunities Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	32.01	0.11	(3.10)	(2.99)	(0.14)	(6.51)	(6.65)	22.37	(13.84)	1.14	0.96	0.36	74	23	
12-31-2017	31.06	0.09	3.08	3.17	(0.13)	(2.09)	(2.22)	32.01	11.07	1.10	1.02	0.29	97	41	
12-31-2016	28.76	0.12	5.16	5.28	(0.14)	(2.84)	(2.98)	31.06	19.47	1.08 <sup>3</sup>	0.99 <sup>3</sup>	0.43	99	32	
12-31-2015	31.56	0.12	(1.75)	(1.63)	(0.03)	(1.14)	(1.17)	28.76	(5.17)	1.10	1.00	0.39	94	25	
12-31-2014	30.84	0.02	0.71	0.73	(0.01)	—	(0.01)	31.56	2.38	1.10	1.00	0.08	112	40	
Series II															
12-31-2018	31.48	0.05	(3.03)	(2.98)	(0.08)	(6.51)	(6.59)	21.91	(14.02)	1.34	1.16	0.16	29	23	
12-31-2017	30.58	0.03	3.04	3.07	(0.08)	(2.09)	(2.17)	31.48	10.86	1.30	1.22	0.09	39	41	
12-31-2016	28.35	0.07	5.08	5.15	(0.08)	(2.84)	(2.92)	30.58	19.25	1.28 <sup>3</sup>	1.19 <sup>3</sup>	0.23	39	32	
12-31-2015	31.16	0.06	(1.73)	(1.67)	—	(1.14)	(1.14)	28.35	(5.34)	1.30	1.20	0.19	39	25	
12-31-2014	30.51	(0.04)	0.69	0.65	—	—	—	31.16	2.13	1.30	1.20	(0.12)	46	40	
Series NAV															
12-31-2018	31.85	0.13	(3.09)	(2.96)	(0.15)	(6.51)	(6.66)	22.23	(13.81)	1.09	0.91	0.42	23	23	
12-31-2017	30.90	0.11	3.08	3.19	(0.15)	(2.09)	(2.24)	31.85	11.19	1.05	0.97	0.34	29	41	
12-31-2016	28.63	0.14	5.13	5.27	(0.16)	(2.84)	(3.00)	30.90	19.51	1.03 <sup>3</sup>	0.94 <sup>3</sup>	0.48	85	32	
12-31-2015	31.42	0.14	(1.75)	(1.61)	(0.04)	(1.14)	(1.18)	28.63	(5.12)	1.05	0.95	0.44	86	25	
12-31-2014	30.70	0.04	0.70	0.74	(0.02)	—	(0.02)	31.42	2.43	1.05	0.95	0.14	124	40	

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Includes reimbursement for overbilling of custody expenses in prior years of 0.03%.

## Small Cap Stock Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	10.13	(0.06)	(0.33)	(0.39)	—	(0.66)	(0.66)	9.08	(5.19)	1.11	1.10	(0.59)	81	88	
12-31-2017	8.01	(0.06)	2.18	2.12	—	—	—	10.13	26.47	1.13	1.12	(0.61)	89	102	
12-31-2016	8.61	(0.02)	0.20	0.18	—	(0.78)	(0.78)	8.01	2.29	1.09 <sup>3</sup>	1.08 <sup>3</sup>	(0.28)	79	95	
12-31-2015	11.68	(0.05)	(0.87)	(0.92)	—	(2.15)	(2.15)	8.61	(8.85)	1.14	1.13	(0.46)	96	87	
12-31-2014	12.82	(0.10)	1.00	0.90	—	(2.04)	(2.04)	11.68	7.57	1.14	1.13	(0.81)	117	83	
Series II															
12-31-2018	9.66	(0.08)	(0.31)	(0.39)	—	(0.66)	(0.66)	8.61	(5.44)	1.31	1.30	(0.78)	28	88	
12-31-2017	7.65	(0.07)	2.08	2.01	—	—	—	9.66	26.27	1.33	1.32	(0.81)	31	102	
12-31-2016	8.27	(0.04)	0.20	0.16	—	(0.78)	(0.78)	7.65	2.14	1.29 <sup>3</sup>	1.28 <sup>3</sup>	(0.47)	28	95	
12-31-2015	11.33	(0.07)	(0.84)	(0.91)	—	(2.15)	(2.15)	8.27	(9.06)	1.34	1.33	(0.66)	32	87	
12-31-2014	12.52	(0.12)	0.97	0.85	—	(2.04)	(2.04)	11.33	7.34	1.34	1.33	(1.01)	35	83	
Series NAV															
12-31-2018	10.25	(0.06)	(0.34)	(0.40)	—	(0.66)	(0.66)	9.19	(5.22)	1.06	1.05	(0.57)	147	88	
12-31-2017	8.09	(0.05)	2.21	2.16	—	—	—	10.25	26.70	1.08	1.07	(0.56)	335	102	
12-31-2016	8.69	(0.02)	0.20	0.18	—	(0.78)	(0.78)	8.09	2.27	1.04 <sup>3</sup>	1.03 <sup>3</sup>	(0.22)	267	95	
12-31-2015	11.76	(0.04)	(0.88)	(0.92)	—	(2.15)	(2.15)	8.69	(8.78)	1.09	1.08	(0.40)	297	87	
12-31-2014	12.89	(0.09)	1.00	0.91	—	(2.04)	(2.04)	11.76	7.60	1.09	1.08	(0.76)	350	83	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.06%.

## Small Cap Value Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	20.25	0.14	(2.16)	(2.02)	(0.13)	(2.50)	(2.63)	15.60	(12.50)	1.11	1.10	0.69	211	13	
12-31-2017	21.51	0.23	0.36	0.59	(0.19)	(1.66)	(1.85)	20.25	3.73	1.13	1.12	1.10	309	19	
12-31-2016	20.30	0.14	4.14	4.28	(0.14)	(2.93)	(3.07)	21.51	22.67	1.10 <sup>3</sup>	1.10 <sup>3</sup>	0.69	373	16	
12-31-2015	24.61	0.12	(0.62)	(0.50)	(0.10)	(3.71)	(3.81)	20.30	(1.36)	1.12	1.11	0.51	323	22	
12-31-2014	26.09	0.16 <sup>4</sup>	1.55	1.71	(0.16)	(3.03)	(3.19)	24.61	7.18	1.12	1.12	0.63 <sup>4</sup>	349	22	
Series II															
12-31-2018	20.13	0.10	(2.14)	(2.04)	(0.09)	(2.50)	(2.59)	15.50	(12.66)	1.31	1.30	0.49	25	13	
12-31-2017	21.40	0.19	0.35	0.54	(0.15)	(1.66)	(1.81)	20.13	3.50	1.33	1.32	0.89	35	19	
12-31-2016	20.21	0.10	4.12	4.22	(0.10)	(2.93)	(3.03)	21.40	22.45	1.30 <sup>3</sup>	1.29 <sup>3</sup>	0.49	41	16	
12-31-2015	24.52	0.07	(0.62)	(0.55)	(0.05)	(3.71)	(3.76)	20.21	(1.57)	1.32	1.31	0.30	36	22	
12-31-2014	26.01	0.11 <sup>4</sup>	1.54	1.65	(0.11)	(3.03)	(3.14)	24.52	6.96	1.32	1.32	0.43 <sup>4</sup>	43	22	
Series NAV															
12-31-2018	20.18	0.15	(2.15)	(2.00)	(0.14)	(2.50)	(2.64)	15.54	(12.45)	1.06	1.05	0.75	249	13	
12-31-2017	21.44	0.23	0.37	0.60	(0.20)	(1.66)	(1.86)	20.18	3.79	1.08	1.07	1.12	312	19	
12-31-2016	20.25	0.15	4.12	4.27	(0.15)	(2.93)	(3.08)	21.44	22.68	1.05 <sup>3</sup>	1.05 <sup>3</sup>	0.74	313	16	
12-31-2015	24.56	0.13	(0.62)	(0.49)	(0.11)	(3.71)	(3.82)	20.25	(1.31)	1.07	1.06	0.56	292	22	
12-31-2014	26.04	0.17 <sup>4</sup>	1.55	1.72	(0.17)	(3.03)	(3.20)	24.56	7.25	1.07	1.07	0.68 <sup>4</sup>	330	22	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.02%.
4. Net investment income (loss) per share and ratio of net investment income (loss) to average net assets reflect special dividends received by the portfolio, which amounted to \$0.06 and 0.22%, respectively.

## Small Company Value Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets							
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	20.86	0.15	(2.46)	(2.31)	(0.08)	(1.85)	(1.93)	16.62	(12.94)	1.15	1.09	0.74	50	23	
12-31-2017	22.06	0.07	2.07	2.14	(0.05)	(3.29)	(3.34)	20.86	11.49	1.15	1.09	0.34	66	19	
12-31-2016	19.68	0.17	5.72	5.89	(0.15)	(3.36)	(3.51)	22.06	32.32	1.12 <sup>3</sup>	1.06 <sup>3</sup>	0.83	72	24	
12-31-2015	24.72	0.20	(1.61)	(1.41)	(0.30)	(3.33)	(3.63)	19.68	(5.60)	1.13	1.07	0.86	60	35	
12-31-2014	25.26	0.14	(0.12)	0.02	(0.01)	(0.55)	(0.56)	24.72	0.11	1.12	1.06	0.55	74	16	
Series II															
12-31-2018	20.43	0.11	(2.40)	(2.29)	(0.04)	(1.85)	(1.89)	16.25	(13.09)	1.35	1.29	0.54	41	23	
12-31-2017	21.71	0.03	2.02	2.05	(0.04)	(3.29)	(3.33)	20.43	11.26	1.35	1.29	0.14	55	19	
12-31-2016	19.42	0.13	5.63	5.76	(0.11)	(3.36)	(3.47)	21.71	32.05	1.32 <sup>3</sup>	1.26 <sup>3</sup>	0.63	58	24	
12-31-2015	24.40	0.15	(1.58)	(1.43)	(0.22)	(3.33)	(3.55)	19.42	(5.79)	1.33	1.27	0.66	49	35	
12-31-2014	24.99	0.08	(0.12)	(0.04)	—	(0.55)	(0.55)	24.40	(0.12)	1.32	1.26	0.34	61	16	
Series NAV															
12-31-2018	20.81	0.08	(2.38)	(2.30)	(0.09)	(1.85)	(1.94)	16.57	(12.93)	1.10	1.04	0.40	36	23	
12-31-2017	22.00	0.08	2.07	2.15	(0.05)	(3.29)	(3.34)	20.81	11.58	1.10	1.04	0.39	178	19	
12-31-2016	19.64	0.17	5.71	5.88	(0.16)	(3.36)	(3.52)	22.00	32.33	1.07 <sup>3</sup>	1.01 <sup>3</sup>	0.86	156	24	
12-31-2015	24.69	0.21	(1.60)	(1.39)	(0.33)	(3.33)	(3.66)	19.64	(5.51)	1.08	1.02	0.91	187	35	
12-31-2014	25.22	0.15	(0.12)	0.03	(0.01)	(0.55)	(0.56)	24.69	0.14	1.07	1.01	0.60	224	16	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.03%.

## Strategic Income Opportunities Trust

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)	
Series I															
12-31-2018	13.72	0.49	(1.17)	(0.68)	(0.51)	—	(0.51)	12.53	(5.03)	0.74	0.73	3.63	371	61	
12-31-2017	13.41	0.46	0.29	0.75	(0.44)	—	(0.44)	13.72	5.59	0.73	0.73	3.36	477	40	
12-31-2016	13.07	0.40	0.27	0.67	(0.33)	—	(0.33)	13.41	5.12	0.72 <sup>3</sup>	0.71 <sup>3</sup>	2.95	473	42	
12-31-2015	13.24	0.43	(0.27)	0.16	(0.33)	—	(0.33)	13.07	1.22	0.74	0.74	3.18	441	49	
12-31-2014	13.17	0.56	0.11	0.67	(0.60)	—	(0.60)	13.24	5.14	0.75	0.74	4.13	415	50	
Series II															
12-31-2018	13.76	0.46	(1.18)	(0.72)	(0.48)	—	(0.48)	12.56	(5.29)	0.94	0.93	3.43	36	61	
12-31-2017	13.45	0.44	0.28	0.72	(0.41)	—	(0.41)	13.76	5.37	0.93	0.93	3.16	45	40	
12-31-2016	13.10	0.37	0.28	0.65	(0.30)	—	(0.30)	13.45	4.98	0.92 <sup>3</sup>	0.91 <sup>3</sup>	2.74	46	42	
12-31-2015	13.27	0.40	(0.26)	0.14	(0.31)	—	(0.31)	13.10	1.01	0.94	0.94	2.98	51	49	
12-31-2014	13.20	0.53	0.12	0.65	(0.58)	—	(0.58)	13.27	4.92	0.95	0.94	3.94	57	50	
Series NAV															
12-31-2018	13.68	0.49	(1.16)	(0.67)	(0.52)	—	(0.52)	12.49	(5.00)	0.69	0.68	3.68	79	61	
12-31-2017	13.37	0.47	0.28	0.75	(0.44)	—	(0.44)	13.68	5.66	0.68	0.68	3.42	96	40	
12-31-2016	13.03	0.40	0.27	0.67	(0.33)	—	(0.33)	13.37	5.19	0.67 <sup>3</sup>	0.66 <sup>3</sup>	2.98	66	42	
12-31-2015	13.20	0.43	(0.26)	0.17	(0.34)	—	(0.34)	13.03	1.27	0.69	0.69	3.22	84	49	
12-31-2014	13.13	0.56	0.12	0.68	(0.61)	—	(0.61)	13.20	5.21	0.70	0.69	4.18	53	50	

1. Based on average daily shares outstanding.
2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
3. Includes reimbursement for overbilling of custody expenses in prior years of 0.02%.

## Total Bond Market Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions					Ratios to average net assets					
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	10.11	0.25	(0.27)	(0.02)	(0.27)	—	(0.27)	9.82	(0.19)	0.57	0.30	2.57	256	22
12-31-2017	10.08	0.24	0.08	0.32	(0.29)	—	(0.29)	10.11	3.18	0.57	0.30	2.39	247	46
12-31-2016	10.11	0.25	(0.01)	0.24	(0.27)	—	(0.27)	10.08	2.39	0.56	0.30	2.38	227	58
12-31-2015	10.37	0.26	(0.23)	0.03	(0.29)	—	(0.29)	10.11	0.25	0.56	0.30	2.53	172	67
12-31-2014	10.09	0.29	0.32	0.61	(0.33)	—	(0.33)	10.37	6.11	0.56	0.30	2.76	135	64
Series II														
12-31-2018	10.13	0.23	(0.28)	(0.05)	(0.25)	—	(0.25)	9.83	(0.49)	0.77	0.50	2.37	57	22
12-31-2017	10.09	0.23	0.08	0.31	(0.27)	—	(0.27)	10.13	3.08	0.77	0.50	2.19	61	46
12-31-2016	10.12	0.23	(0.01)	0.22	(0.25)	—	(0.25)	10.09	2.19	0.76	0.50	2.18	73	58
12-31-2015	10.38	0.24	(0.23)	0.01	(0.27)	—	(0.27)	10.12	0.05	0.76	0.50	2.33	68	67
12-31-2014	10.10	0.27	0.32	0.59	(0.31)	—	(0.31)	10.38	5.90	0.76	0.50	2.56	69	64
Series NAV														
12-31-2018	10.11	0.26	(0.29)	(0.03)	(0.27)	—	(0.27)	9.81	(0.24)	0.52	0.25	2.62	252	22
12-31-2017	10.07	0.26	0.08	0.34	(0.30)	—	(0.30)	10.11	3.34	0.52	0.25	2.45	264	46
12-31-2016	10.10	0.25	— <sup>3</sup>	0.25	(0.28)	—	(0.28)	10.07	2.45	0.51	0.25	2.43	280	58
12-31-2015	10.36	0.27	(0.24)	0.03	(0.29)	—	(0.29)	10.10	0.30	0.51	0.25	2.58	266	67
12-31-2014	10.09	0.29	0.32	0.61	(0.34)	—	(0.34)	10.36	6.06	0.51	0.25	2.82	284	64

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Less than \$0.005 per share.

## Total Stock Market Index Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	22.39	0.39	(1.55)	(1.16)	(0.27)	(0.74)	(1.01)	20.22	(5.70)	0.58	0.50	1.72	488	2
12-31-2017	19.21	0.31	3.58	3.89	(0.28)	(0.43)	(0.71)	22.39	20.59	0.57	0.53	1.48	584	6 <sup>3</sup>
12-31-2016	17.61	0.29	1.87	2.16	(0.26)	(0.30)	(0.56)	19.21	12.38	0.57	0.57	1.61	473	3
12-31-2015	18.53	0.26	(0.40)	(0.14)	(0.24)	(0.54)	(0.78)	17.61	(0.64)	0.57	0.56	1.41	440	4
12-31-2014	17.08	0.24	1.71	1.95	(0.21)	(0.29)	(0.50)	18.53	11.47	0.57	0.56	1.38	465	5
Series II														
12-31-2018	22.31	0.35	(1.56)	(1.21)	(0.22)	(0.74)	(0.96)	20.14	(5.92)	0.78	0.70	1.52	37	2
12-31-2017	19.15	0.27	3.56	3.83	(0.24)	(0.43)	(0.67)	22.31	20.33	0.77	0.73	1.28	45	6 <sup>3</sup>
12-31-2016	17.56	0.25	1.87	2.12	(0.23)	(0.30)	(0.53)	19.15	12.15	0.77	0.77	1.41	36	3
12-31-2015	18.48	0.22	(0.40)	(0.18)	(0.20)	(0.54)	(0.74)	17.56	(0.83)	0.77	0.76	1.20	35	4
12-31-2014	17.03	0.21	1.71	1.92	(0.18)	(0.29)	(0.47)	18.48	11.30	0.77	0.76	1.17	42	5
Series NAV														
12-31-2018	22.38	0.40	(1.55)	(1.15)	(0.28)	(0.74)	(1.02)	20.21	(5.66)	0.53	0.45	1.77	137	2
12-31-2017	19.20	0.32	3.58	3.90	(0.29)	(0.43)	(0.72)	22.38	20.65	0.52	0.48	1.53	165	6 <sup>3</sup>
12-31-2016	17.61	0.30	1.86	2.16	(0.27)	(0.30)	(0.57)	19.20	12.38	0.52	0.52	1.67	132	3
12-31-2015	18.52	0.27	(0.39)	(0.12)	(0.25)	(0.54)	(0.79)	17.61	(0.53)	0.52	0.51	1.46	99	4
12-31-2014	17.08	0.25	1.70	1.95	(0.22)	(0.29)	(0.51)	18.52	11.46	0.52	0.51	1.43	95	5

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Excludes merger activity.

## Ultra Short Term Bond Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	11.41	0.16	— <sup>3</sup>	0.16	(0.20)	—	(0.20)	11.37	1.40	0.68	0.65	1.42	12	59
12-31-2017	11.52	0.09	(0.01)	0.08	(0.19)	—	(0.19)	11.41	0.66	0.66	0.65	0.82	11	53
12-31-2016	11.64	0.05	0.01	0.06	(0.18)	—	(0.18)	11.52	0.52	0.65	0.64	0.43	12	86
12-31-2015	11.80	0.01	(0.01)	— <sup>3</sup>	(0.16)	—	(0.16)	11.64	(0.04)	0.66	0.65	0.12	10	86
12-31-2014	11.98	0.01	(0.01)	— <sup>3</sup>	(0.18)	—	(0.18)	11.80	(0.02)	0.66	0.65	0.05	9	69
Series II														
12-31-2018	11.41	0.14	— <sup>3</sup>	0.14	(0.18)	—	(0.18)	11.37	1.19	0.88	0.85	1.21	193	59
12-31-2017	11.52	0.07	(0.02)	0.05	(0.16)	—	(0.16)	11.41	0.46	0.86	0.85	0.62	205	53
12-31-2016	11.64	0.03	0.01	0.04	(0.16)	—	(0.16)	11.52	0.32	0.85	0.84	0.23	268	86
12-31-2015	11.79	(0.01)	(0.01)	(0.02)	(0.13)	—	(0.13)	11.64	(0.15)	0.86	0.85	(0.07)	235	86
12-31-2014	11.98	(0.02)	(0.02)	(0.04)	(0.15)	—	(0.15)	11.79	(0.30)	0.86	0.85	(0.14)	214	69
Series NAV														
12-31-2018	11.41	0.17	— <sup>3</sup>	0.17	(0.20)	—	(0.20)	11.38	1.53	0.63	0.60	1.46	31	59
12-31-2017	11.53	0.10	(0.03)	0.07	(0.19)	—	(0.19)	11.41	0.62	0.61	0.60	0.89	29	53
12-31-2016	11.64	0.06	0.02	0.08	(0.19)	—	(0.19)	11.53	0.66	0.60	0.59	0.48	17	86
12-31-2015	11.80	0.02	(0.02)	— <sup>3</sup>	(0.16)	—	(0.16)	11.64	0.01	0.61	0.60	0.18	14	86
12-31-2014	11.98	0.01	(0.01)	— <sup>3</sup>	(0.18)	—	(0.18)	11.80	0.03	0.61	0.60	0.12	14	69

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Less than \$0.005 per share.

## Utilities Trust

Per share operating performance for a share outstanding throughout each period									Ratios and supplemental data					
Period ended	Income (loss) from investment operations			Less Distributions				Ratios to average net assets						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>2</sup>	Expenses before reductions (%)	Expenses including reductions (%)	Net investment income (loss) (%)	Net assets, end of period (in millions)	Portfolio turnover (%)
Series I														
12-31-2018	14.12	0.40	(0.27)	0.13	(0.47)	—	(0.47)	13.78	0.88	0.95	0.94	2.81	204	26
12-31-2017	12.60	0.40	1.46	1.86	(0.34)	—	(0.34)	14.12	14.74	0.94	0.93	2.90	260	26
12-31-2016	12.05	0.39	0.99	1.38	(0.60)	(0.23)	(0.83)	12.60	11.36	0.89 <sup>3</sup>	0.88 <sup>3</sup>	3.00	278	31
12-31-2015	16.27	0.38	(2.66)	(2.28)	(0.46)	(1.48)	(1.94)	12.05	(14.76)	0.92	0.92	2.51	298	37
12-31-2014	15.44	0.49 <sup>4</sup>	1.48	1.97	(0.51)	(0.63)	(1.14)	16.27	12.59	0.93	0.92	2.93 <sup>4</sup>	441	53
Series II														
12-31-2018	13.97	0.36	(0.25)	0.11	(0.45)	—	(0.45)	13.63	0.69	1.15	1.14	2.59	13	26
12-31-2017	12.47	0.37	1.44	1.81	(0.31)	—	(0.31)	13.97	14.52	1.14	1.13	2.70	15	26
12-31-2016	11.93	0.36	0.98	1.34	(0.57)	(0.23)	(0.80)	12.47	11.16	1.09 <sup>3</sup>	1.08 <sup>3</sup>	2.80	15	31
12-31-2015	16.14	0.34	(2.64)	(2.30)	(0.43)	(1.48)	(1.91)	11.93	(15.02)	1.12	1.12	2.30	15	37
12-31-2014	15.32	0.46 <sup>4</sup>	1.47	1.93	(0.48)	(0.63)	(1.11)	16.14	12.41	1.13	1.12	2.79 <sup>4</sup>	23	53
Series NAV														
12-31-2018	14.10	0.40	(0.26)	0.14	(0.48)	—	(0.48)	13.76	0.93	0.90	0.89	2.84	28	26
12-31-2017	12.58	0.41	1.45	1.86	(0.34)	—	(0.34)	14.10	14.82	0.89	0.88	2.95	30	26
12-31-2016	12.03	0.39	0.99	1.38	(0.60)	(0.23)	(0.83)	12.58	11.43	0.84 <sup>3</sup>	0.84 <sup>3</sup>	3.02	28	31
12-31-2015	16.26	0.39	(2.67)	(2.28)	(0.47)	(1.48)	(1.95)	12.03	(14.79)	0.87	0.87	2.58	30	37
12-31-2014	15.42	0.50 <sup>4</sup>	1.49	1.99	(0.52)	(0.63)	(1.15)	16.26	12.72	0.88	0.87	2.98 <sup>4</sup>	40	53

1. Based on average daily shares outstanding.

2. Total returns would have been lower had certain expenses not been reduced during the applicable periods.

3. Includes reimbursement for overbilling of custody expenses in prior years of 0.04%.

4. Net investment income (loss) per share and ratio of net investment income (loss) to average net assets reflect special dividends received by the portfolio, which amounted to \$0.09 and 0.52%, respectively.

## Appendix A

### Schedule of Management Fees

Set forth below is the schedule of the annual percentage rates of the management fees for the funds. For certain funds the advisory or management fee for the fund is calculated by applying to the net assets of the fund an annual fee rate, which is determined based on the application of the annual percentage rates for the fund to the "Aggregate Net Assets" of the fund. Aggregate Net Assets of a fund include the net assets of the fund, and in most cases, the net assets of one or more other John Hancock Fund Complex funds (or portions thereof) indicated below that have the same subadvisor as the fund. If a fund and such other fund(s) (or portions thereof) cease to have the same subadvisor, their assets will no longer be aggregated for purposes of determining the applicable annual fee rate for the fund.

<b>Fund</b>	<b>APR</b>	<b>Advisory Fee Breakpoint</b>
<b>500 Index Trust</b>	0.470%	— first \$500 million; and
	0.460%	— excess over \$500 million.
<b>Active Bond Trust</b>	0.600%	— first \$2.5 billion;
	0.575%	— next \$2.5 billion; and
	0.550%	— excess over \$5 billion.
<b>Blue Chip Growth Trust</b>	0.825%	— first \$500 million;
	0.800%	— next \$500 million; and
	0.750%	— excess over \$1 billion.*
		(Aggregate Net Assets include the net assets of the fund and the Blue Chip Growth Fund, a series of JHF II.)
		*When Aggregate Net Assets exceed \$1 billion on any day, the annual rate of advisory fee for that day is 0.750% on the first \$1 billion of Aggregate Net Assets.
<b>Capital Appreciation Trust</b>	0.850%	— first \$300 million;
	0.800%	— next \$200 million;
	0.700%	— next \$500 million; and
	0.670%	— excess over \$1 billion.
		(Aggregate Net Assets include the net assets of the fund and the Capital Appreciation Fund, a series of JHF II.)
<b>Capital Appreciation Value Trust</b>		If net assets are less than \$500 million, the following fee schedule shall apply:
	0.950%	— first \$250 million; and
	0.850%	— excess over \$250 million.
		If net assets equal or exceed \$500 million but are less than \$2 billion, the following fee schedule shall apply:
	0.850%	— first \$1 billion; and
	0.800%	— excess over \$1 billion.
		If net assets equal or exceed \$2 billion but are less than \$3 billion, the following fee schedule shall apply:
	0.850%	— first \$500 million; and
	0.800%	— excess over \$500 million.
		If net assets equal or exceed \$3 billion, the following fee schedule shall apply:
	0.800%	— all asset levels.
		(Aggregate Net Assets include the net assets of the fund and the Capital Appreciation Value Fund, a series of JHF II.)

<b>Core Bond Trust</b>	0.690%	— first \$200 million;
	0.640%	— next \$200 million;
	0.570%	— next \$600 million;
	0.560%	— next \$1 billion; and
	0.550%	— excess over \$2 billion.*
(Aggregate Net Assets include the net assets of the fund and the Core Bond Fund, a series of JHF II.)		
<i>*The fee schedule above became effective July 1, 2018.</i>		
<b>Emerging Markets Value Trust</b>	1.000%	— first \$100 million; and
	0.950%	— excess over \$100 million.
(Aggregate Net Assets include the net assets of the fund and the Emerging Markets Fund, a series of JHF II.)		
<b>Equity Income Trust</b>	0.800%	— first \$100 million;
	0.775%	— next \$100 million;*
	0.750%	— next \$300 million;**
	0.725%	— next \$500 million;***
	0.725%	— next \$500 million;**** and
	0.700%	— excess over \$1.5 billion.†
(Aggregate Net Assets include the net assets of the fund and Equity Income Fund, a series of John Hancock Funds II ("JHF II")).		
* When Aggregate Net Assets exceed \$200 million on any day, the annual rate of advisory fee for that day is 0.775% on the first \$200 million of Aggregate Net Assets.		
** When Aggregate Net Assets exceed \$500 million on any day, the annual rate of advisory fee for that day is 0.750% on the first \$500 million of Aggregate Net Assets and 0.725% on the amount above \$500 million.		
*** When Aggregate Net Assets exceed \$1 billion on any day, the annual rate of advisory fee for that day is 0.725% on the first \$1 billion of Aggregate Net Assets.		
**** When Aggregate Net Assets exceed \$1.5 billion on any day, the annual rate of advisory fee for that day is 0.700% on the first \$1.5 billion of Aggregate Net Assets.		
<i>†The fee schedule above became effective October 1, 2018.</i>		
<b>Financial Industries Trust</b>	0.800%	— first \$250 million;
	0.775%	— next \$250 million;
	0.750%	— next \$500 million; and
	0.725%	— excess over \$1 billion.
(Aggregate Net Assets include the net assets of the fund and the Financial Industries Fund, a series of John Hancock Investment Trust II.)		
<b>Fundamental All Cap Core Trust</b>	0.675%	— first \$2.5 billion; and
	0.650%	— excess over \$2.5 billion.
(Aggregate Net Assets include the net assets of the fund and Fundamental All Cap Core Fund, a series of JHF II.)		
<b>Fundamental Large Cap Value Trust</b>	0.700%	— first \$500 million;
	0.650%	— next \$500 million; and
	0.600%	— excess over \$1 billion.
(Aggregate Net Assets include the net assets of the fund and the Fundamental Large Cap Value Fund, a series of JHF II.)		

<b>Global Trust</b>	0.850%	— first \$1 billion; and
	0.800%	— excess over \$1 billion. (Aggregate Net Assets include the net assets of the fund, the Mutual Shares Trust, and the International Value Trust, each a series of JHVIT, and the International Small Cap Fund and the International Value Fund, each a series of JHF II.)
<b>Global Bond Trust</b>	0.700%	— first \$1 billion; and
	0.650%	— excess over \$1 billion. (Aggregate Net Assets include the net assets of the fund and the Global Bond Fund, a series of JHF II.)
<b>Health Sciences Trust</b>	1.050%	— first \$500 million;
	1.000%	— next \$250 million; and
	0.950%	— excess over \$750 million.* (Aggregate Net Assets include the net assets of the fund and the Health Sciences Fund, a series of JHF II.)  *When Aggregate Net Assets exceed \$750 million, the advisory fee is 0.950% on all net assets.
<b>High Yield Trust</b>	0.700%	— first \$500 million; and
	0.650%	— excess over \$500 million. (Aggregate Net Assets include the net assets of the fund and the High Yield Fund, a series of JHF II.)
<b>International Equity Index Trust</b>	0.550%	— first \$100 million; and
	0.530%	— excess over \$100 million.
<b>International Growth Stock Trust</b>	0.850%	— first \$250 million;
	0.800%	— next \$500 million; and
	0.750%	— excess over \$750 million. (Aggregate Net Assets include the net assets of the fund and the International Growth Stock Fund, a series of JHF II.)
<b>International Small Company Trust</b>	0.950%	— at all asset levels. (Aggregate Net Assets include the net assets of the fund and the International Small Company Fund, a series of JHF II.)
<b>International Value Trust</b>	0.950%	— first \$150 million;
	0.850%	— next \$150 million; and
	0.800%	— excess over \$300 million.* (Aggregate Net Assets include the net assets of the fund, the Mutual Shares Trust and the Global Trust, each a series of JHVIT, and the International Value Fund and the International Small Cap Fund, each a series of JHF II.)  *When Aggregate Net Assets exceed \$300 million, the advisory fee rate is 0.800% on all net assets of the fund.
<b>Investment Quality Bond Trust</b>	0.600%	— first \$500 million; and
	0.550%	— excess over \$500 million.



**Lifestyle Aggressive Portfolio**  
**Lifestyle Balanced Portfolio**  
**Lifestyle Conservative Portfolio**  
**Lifestyle Growth Portfolio**  
**Lifestyle Moderate Portfolio**  
**(Collectively, the “JHVIT Lifestyle Portfolios”)**

The management fee has two components: (a) a fee on assets invested in funds of JHVIT, JHF II, or JHF III (“Affiliated Funds Assets”)\* and (b) a fee on assets not invested in Affiliated Funds Assets (“Other Assets”).

\*The following JHVIT funds are not included in Affiliated Funds Assets: 500 Index Trust, International Equity Index Trust and Total Bond Market Trust.

(a) The fee on Affiliated Funds Assets is stated as an annual percentage of the current value of the aggregate net assets of the JHVIT Managed Volatility Portfolios, the JHVIT Lifestyle Portfolios, and the Multimanager Lifestyle Portfolios and Multi-Index Lifestyle Portfolios that are series of JHF II determined in accordance with the following schedule and that rate is applied to the Affiliated Funds Assets of the fund.

0.050% — first \$7.5 billion; and  
0.040% — excess over \$7.5 billion.

(b) The fee on Other Assets is stated as an annual percentage of the current value of the aggregate net assets of the JHVIT Managed Volatility Portfolios, the JHVIT Lifestyle Portfolios and the Multimanager Lifestyle Portfolios and Multi-Index Lifestyle Portfolios that are series of JHF II determined in accordance with the following schedule and that rate is applied to the Other Assets of the fund.

0.500% — first \$7.5 billion; and  
0.490% — excess over \$7.5 billion.

**Managed Volatility Aggressive Portfolio**  
**Managed Volatility Balanced Portfolio**  
**Managed Volatility Conservative Portfolio**  
**Managed Volatility Growth Portfolio**  
**Managed Volatility Moderate Portfolio**  
**(Collectively, the “JHVIT Managed Volatility Portfolios”)**

The management fee has two components: (a) a fee on assets invested in funds of JHVIT, JHF II or JHF III (“Affiliated Funds Assets”)\* and (b) a fee on assets not invested in Affiliated Funds Assets (“Other Assets”).

\*The following JHVIT funds are not included in Affiliated Funds Assets: 500 Index Trust, International Equity Index Trust and Total Bond Market Trust.

(a) The fee on Affiliated Funds Assets is stated as an annual percentage of the current value of the aggregate net assets of the JHVIT Managed Volatility Portfolios, the JHVIT Lifestyle Portfolios, and the Multimanager Lifestyle Portfolios and Multi-Index Lifestyle Portfolios that are series of JHF II determined in accordance with the following schedule and that rate is applied to the Affiliated Funds Assets of the fund.

0.050% — first \$7.5 billion; and  
0.040% — excess over \$7.5 billion.

(b) The fee on Other Assets is stated as an annual percentage of the current value of the aggregate net assets of the JHVIT Managed Volatility Portfolios, the JHVIT Lifestyle Portfolios, and the Multimanager Lifestyle Portfolios and Multi-Index Lifestyle Portfolios that are series of JHF II determined in accordance with the following schedule and that rate is applied to the Other Assets of the fund.

0.500% — first \$7.5 billion; and  
0.490% — excess over \$7.5 billion.

**Mid Cap Index Trust**

0.490% — first \$250 million;  
0.480% — next \$250 million; and  
0.460% — excess over \$500 million.

**Mid Cap Stock Trust**

0.875% — first \$200 million;  
0.850% — next \$300 million; and  
0.825% — excess over \$500 million.

(Aggregate Net Assets include the net assets of the fund and the Mid Cap Stock Fund, a series of JHF II.)

<b>Mid Value Trust</b>	1.050%	— first \$20 million;
	0.950%	— next \$30 million; and
	0.950%	— excess over \$50 million*.
		(Aggregate Net Assets include the net assets of the fund and the Mid Value Fund, a series of JHF II.)
		*When Aggregate Net Assets exceed \$50 million on any day, the annual rate of advisory fee for that day is 0.950% on all assets.
<b>Money Market Trust</b>	0.500%	— first \$500 million;
	0.425%	— next \$250 million;
	0.375%	— next \$250 million;
	0.350%	— next \$500 million;
	0.325%	— next \$500 million;
	0.300%	— next \$500 million; and
	0.275%	— excess over \$2.5 billion.
		(Aggregate Net Assets include the net assets of the fund and the Money Market Fund, a series of John Hancock Current Interest.)
<b>Real Estate Securities Trust</b>	0.700%	— at all asset levels.
		(Aggregate Net Assets include the net assets of the fund and the Real Estate Securities Fund, a series of JHF II.)
<b>Science &amp; Technology Trust</b>	1.050%	— first \$500 million; and
	1.000%	— excess over \$500 million.
		(Aggregate Net Assets include the net assets of the fund and the Science & Technology Fund, a series of JHF II.)
<b>Select Bond Trust</b>	0.650%	— first \$500 million;
	0.600%	— next \$1 billion;
	0.575%	— next \$1 billion;
	0.550%	— next \$7.5 billion; and
	0.525%	— excess over \$10 billion.
<b>Short Term Government Income Trust</b>	0.570%	— first \$250 million; and
	0.550%	— excess over \$250 million.
		(Aggregate Net Assets include the net assets of the fund and the Short Term Government Income Fund, a series of JHF II.)
<b>Small Cap Index Trust</b>	0.490%	— first \$250 million;
	0.480%	— next \$250 million; and
	0.460%	— excess over \$500 million.
<b>Small Cap Opportunities Trust</b>	1.000%	— first \$500 million;
	0.950%	— next \$500 million;
	0.900%	— next \$1 billion; and
	0.850%	— excess over \$2 billion.
		(Aggregate Net Assets include the net assets of the fund and the New Opportunities Fund, a series of JHF II.)
<b>Small Cap Stock Trust</b>	1.050%	— first \$50 million; and
	1.000%	— excess over \$50 million.
		(Aggregate Net Assets include the net assets of the fund and the Small Cap Stock Fund, a series of JHF II.)

<b>Small Cap Value Trust</b>	1.030%	— first \$100 million; and
	0.980%	— excess over \$100 million.*
		(Aggregate Net Assets include the net assets of the fund and the Small Cap Value Fund, a series of JHF II.)
		<i>*The fee schedule above became effective July 1, 2018.</i>
<b>Small Company Value Trust</b>	1.050%	— first \$500 million; and
	1.000%	— excess over \$500 million.
		(Aggregate Net Assets include the net assets of the fund and the Small Company Value Fund, a series of JHF II.)
<b>Strategic Income Opportunities Trust</b>	0.700%	— first \$500 million;
	0.650%	— next \$3 billion;
	0.600%	— next \$4 billion;
	0.590%	— next \$4.5 billion; and
	0.575%	— excess over \$12 billion.
		(Aggregate Net Assets include the net assets of the fund, the Strategic Income Opportunities Fund (a series of JHF II), and the Strategic Income Opportunities Fund (a sub-fund of John Hancock Worldwide Investors, PLC).)
<b>Total Bond Market Trust</b>	0.470%	— first \$1.5 billion; and
	0.460%	— excess over \$1.5 billion.
<b>Total Stock Market Index Trust</b>	0.490%	— first \$250 million;
	0.480%	— next \$250 million; and
	0.460%	— excess over \$500 million.
<b>Ultra Short Term Bond Trust</b>	0.550%	— first \$250 million; and
	0.530%	— excess over \$250 million.
<b>Utilities Trust</b>	0.825%	— first \$600 million;
	0.800%	— next \$300 million;
	0.775%	— next \$600 million; and
	0.700%	— excess over \$1.5 billion.

## For more information

The following documents are available, which offer further information on JHVIT:

### Annual/semiannual reports to shareholders

Additional information about a fund's investments is available in the fund's annual and semiannual reports to shareholders. In a fund's annual report, you will find a discussion of the market conditions and investment strategies that significantly affected the fund's performance during its last fiscal year.

### Statement of Additional Information (SAI)

The SAI contains more detailed information on all aspects of the Funds. The SAI includes a summary of JHVIT's policy regarding disclosure of portfolio holdings as well as legal and regulatory matters. The current SAI has been filed with the SEC and is incorporated by reference into (and is legally a part of) this Prospectus.

### XBRL filings

A fund's XBRL filings are located at <https://www.johnhancock.com/xbml/jht.html>.

**To request a free copy of the current annual/semiannual report or the SAI, please contact John Hancock:**

#### **By mail:**

John Hancock Variable Insurance Trust  
200 Berkeley Street, Boston, MA 02116

#### **By phone:**

John Hancock Variable Life Insurance: 800-827-4546  
John Hancock Variable Annuities: 800-344-1029

#### **On the internet:**

John Hancock Variable Life Insurance: [jhservicenet.com](http://jhservicenet.com)  
John Hancock Variable Annuities: [johnhancock.com](http://johnhancock.com)

**Or you may obtain these documents and other information about the Funds from the SEC:**

**Online:** [sec.gov](http://sec.gov)

**By email (duplicating fee required):** [publicinfo@sec.gov](mailto:publicinfo@sec.gov)

1940 Act File No. 811-04146

Global Growth Fund		Asset Allocation Fund	
Growth Fund			
International Fund			
Growth-Income Fund			
<b>Table of contents</b>			
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Beginning on January 1, 2021, as permitted by regulations adopted by the U.S. Securities and Exchange Commission, you may not receive paper copies of the fund's shareholder reports from the insurance company that offers your contract unless you specifically request paper copies from the insurance company or from your financial intermediary. Instead, the shareholder reports will be made available on a website, and the insurance company will notify you by mail each time a report is posted and provide you with a website link to access the report. Instructions for requesting paper copies will be provided by your insurance company. If you have already elected to receive shareholder reports electronically, you will not be affected by this change and do not need to take any action. You may elect to receive shareholder reports and other communications from the insurance company electronically by following the instructions provided by the insurance company.

You may elect to receive paper copies of all future reports free of charge from the insurance company. You can inform the insurance company that you wish to continue receiving paper copies of your shareholder reports by following the instructions provided by the insurance company. Your election to receive paper reports will apply to all investment options available under your contract.

Global Growth Fund

**Investment objective** The fund’s investment objective is to provide long-term growth of capital.

**Fees and expenses of the fund** This table describes the fees and expenses that you may pay if you buy and hold an interest in Class 1 shares of the fund. It does not reflect insurance contract fees and expenses. If insurance contract fees and expenses were reflected, expenses shown would be higher.

Annual fund operating expenses (expenses that you pay each year as a percentage of the value of your investment)	Class 1
Management fee	0.52%
Other expenses	0.03
Total annual fund operating expenses	0.55

**Example** This example is intended to help you compare the cost of investing in Class 1 shares of the fund with the cost of investing in other mutual funds.

The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods. The example also assumes that your investment has a 5% return each year and that the fund’s operating expenses remain the same. The example does not reflect insurance contract expenses. If insurance contract expenses were reflected, expenses shown would be higher. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 year	3 years	5 years	10 years
Class 1	\$56	\$176	\$307	\$689

**Portfolio turnover** The fund pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund’s investment results. During the most recent fiscal year, the fund’s portfolio turnover rate was 25% of the average value of its portfolio.

**Principal investment strategies** The fund invests primarily in common stocks of companies around the world that the investment adviser believes have the potential for growth. As a fund that seeks to invest globally, the fund will allocate its assets among securities of companies domiciled in various countries, including the United States and countries with emerging markets (but in no fewer than three countries). Under normal market conditions, the fund will invest significantly in issuers domiciled outside the United States (i.e., at least 40% of its net assets, unless market conditions are not deemed favorable by the fund’s investment adviser, in which case the fund would invest at least 30% of its net assets in issuers outside the United States).

The investment adviser uses a system of multiple portfolio managers in managing the fund’s assets. Under this approach, the portfolio of the fund is divided into segments managed by individual managers who decide how their respective segments will be invested.

The fund relies on the professional judgment of its investment adviser to make decisions about the fund’s portfolio investments. The basic investment philosophy of the investment adviser is to seek to invest in attractively valued companies that, in its opinion, represent good, long-term investment opportunities. The investment adviser believes that an important way to accomplish this is through fundamental analysis, which may include meeting with company executives and employees, suppliers, customers and competitors. Securities may be sold when the investment adviser believes that they no longer represent relatively attractive investment opportunities.

## Principal risks

**This section describes the principal risks associated with investing in the fund. You may lose money by investing in the fund. The likelihood of loss may be greater if you invest for a shorter period of time. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.**

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

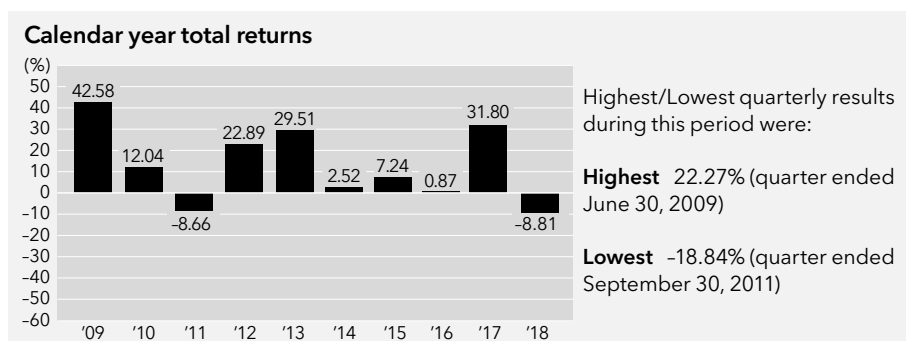
*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Investing in emerging markets* – Investing in emerging markets may involve risks in addition to and greater than those generally associated with investing in the securities markets of developed countries. For instance, emerging market countries may have less developed legal and accounting systems than those in developed countries. The governments of these countries may be less stable and more likely to impose capital controls, nationalize a company or industry, place restrictions on foreign ownership and on withdrawing sale proceeds of securities from the country, and/or impose punitive taxes that could adversely affect the prices of securities. In addition, the economies of these countries may be dependent on relatively few industries that are more susceptible to local and global changes. Securities markets in these countries can also be relatively small and have substantially lower trading volumes. As a result, securities issued in these countries may be more volatile and less liquid, and may be more difficult to value, than securities issued in countries with more developed economies and/or markets. Less certainty with respect to security valuations may lead to additional challenges and risks in calculating the fund's net asset value. Additionally, emerging markets are more likely to experience problems with the clearing and settling of trades and the holding of securities by banks, agents and depositories that are less established than those in developed countries.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

Your investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, entity or person. You should consider how this fund fits into your overall investment program.

**Investment results** The following bar chart shows how the investment results of the Class 1 shares of the fund have varied from year to year, and the following table shows how the fund's average annual total returns for various periods compare with a broad measure of securities market results and other applicable measures of market results. This information provides some indication of the risks of investing in the fund. The Lipper Global Funds Index includes mutual funds that disclose investment objectives and/or strategies reasonably comparable to those of the fund. Past investment results (before and after taxes) are not predictive of future investment results. Figures shown reflect fees and expenses associated with an investment in the fund, but do not reflect insurance contract fees and expenses. If insurance contract fees and expenses were included, results would have been lower. Updated information on the fund's investment results can be obtained by visiting [americanfunds.com/afis](http://americanfunds.com/afis).



Average annual total returns For the periods ended December 31, 2018:				
	1 year	5 years	10 years	Lifetime
Fund (inception date – 4/30/97)	-8.81%	5.92%	11.96%	9.16%
MSCI All Country World Index (reflects no deduction for sales charges, account fees, expenses or U.S. federal income taxes)	-9.42	4.26	9.46	5.63
Lipper Global Funds Index (reflects no deduction for sales charges, account fees or U.S. federal income taxes)	-10.73	3.89	8.96	5.79

## Management

**Investment adviser** Capital Research and Management Company<sup>SM</sup>

**Portfolio managers** The individuals primarily responsible for the portfolio management of the fund are:

Portfolio manager/ Series title (if applicable)	Portfolio manager experience in this fund	Primary title with investment adviser
Patrice Collette	4 years	Partner – Capital World Investors
Paul Flynn	2 years	Partner – Capital World Investors
Jonathan Knowles	6 years	Partner – Capital World Investors

**Tax information** See your variable insurance contract prospectus for information regarding the federal income tax treatment of your variable insurance contract and related distributions.

**Payments to broker-dealers and other financial intermediaries** If you purchase shares of the fund through a broker-dealer or other financial intermediary (such as an insurance company), the fund and the fund's distributor or its affiliates may pay the intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your individual financial advisor to recommend the fund over another investment. Ask your individual financial advisor or visit your financial intermediary's website for more information. The fund is not sold directly to the general public but instead is offered as an underlying investment option for variable insurance contracts. In addition to payments described above, the fund and its related companies may make payments to the sponsoring insurance company (or its affiliates) for distribution and/or other services. These payments may be a factor that the insurance company considers in including the fund as an underlying investment option in the variable insurance contract. The prospectus (or other offering document) for your variable insurance contract may contain additional information about these payments.



Growth Fund

**Investment objective** The fund’s investment objective is to provide growth of capital.

**Fees and expenses of the fund** This table describes the fees and expenses that you may pay if you buy and hold an interest in Class 1 shares of the fund. It does not reflect insurance contract fees and expenses. If insurance contract fees and expenses were reflected, expenses shown would be higher.

Annual fund operating expenses (expenses that you pay each year as a percentage of the value of your investment)	Class 1
Management fee	0.32%
Other expenses	0.02
Total annual fund operating expenses	0.34

**Example** This example is intended to help you compare the cost of investing in Class 1 shares of the fund with the cost of investing in other mutual funds.

The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods. The example also assumes that your investment has a 5% return each year and that the fund’s operating expenses remain the same. The example does not reflect insurance contract expenses. If insurance contract expenses were reflected, expenses shown would be higher. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 year	3 years	5 years	10 years
Class 1	\$35	\$109	\$191	\$431

**Portfolio turnover** The fund pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund’s investment results. During the most recent fiscal year, the fund’s portfolio turnover rate was 35% of the average value of its portfolio.

**Principal investment strategies** The fund invests primarily in common stocks and seeks to invest in companies that appear to offer superior opportunities for growth of capital. The fund may invest up to 25% of its assets in common stocks and other securities of issuers domiciled outside the United States.

The investment adviser uses a system of multiple portfolio managers in managing the fund’s assets. Under this approach, the portfolio of the fund is divided into segments managed by individual managers who decide how their respective segments will be invested.

The fund relies on the professional judgment of its investment adviser to make decisions about the fund’s portfolio investments. The basic investment philosophy of the investment adviser is to seek to invest in attractively valued companies that, in its opinion, represent good, long-term investment opportunities. The investment adviser believes that an important way to accomplish this is through fundamental analysis, which may include meeting with company executives and employees, suppliers, customers and competitors. Securities may be sold when the investment adviser believes that they no longer represent relatively attractive investment opportunities.

## Principal risks

**This section describes the principal risks associated with investing in the fund. You may lose money by investing in the fund. The likelihood of loss may be greater if you invest for a shorter period of time. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.**

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

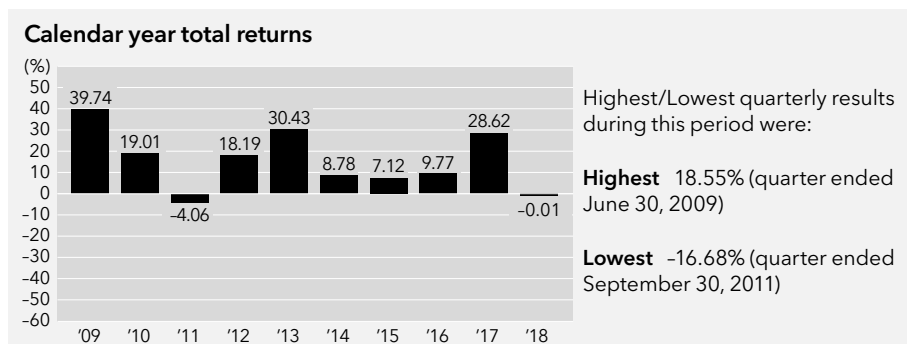
*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments. These risks may be even greater in the case of smaller capitalization stocks.

*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

Your investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, entity or person. You should consider how this fund fits into your overall investment program.

**Investment results** The following bar chart shows how the investment results of the Class 1 shares of the fund have varied from year to year, and the following table shows how the fund's average annual total returns for various periods compare with a broad measure of securities market results and other applicable measures of market results. This information provides some indication of the risks of investing in the fund. The Lipper Growth Funds Index and the Lipper Capital Appreciation Funds Index include mutual funds that disclose investment objectives and/or strategies reasonably comparable to those of the fund. Past investment results (before and after taxes) are not predictive of future investment results. Figures shown reflect fees and expenses associated with an investment in the fund, but do not reflect insurance contract fees and expenses. If insurance contract fees and expenses were included, results would have been lower. Updated information on the fund's investment results can be obtained by visiting [americanfunds.com/afis](http://americanfunds.com/afis).



Average annual total returns For the periods ended December 31, 2018:	1 year	5 years	10 years	Lifetime
Fund (inception date – 2/8/84)	-0.01%	10.47%	15.00%	12.44%
S&P 500 Index (reflects no deduction for sales charges, account fees, expenses or U.S. federal income taxes)	-4.38	8.49	13.12	10.92
Lipper Growth Funds Index (reflects no deduction for sales charges, account fees or U.S. federal income taxes)	-4.16	8.19	13.63	9.38
Lipper Capital Appreciation Funds Index (reflects no deduction for sales charges, account fees or U.S. federal income taxes)	-7.41	6.07	12.07	9.23

## Management

**Investment adviser** Capital Research and Management Company<sup>SM</sup>

**Portfolio managers** The individuals primarily responsible for the portfolio management of the fund are:

Portfolio manager/ Series title (if applicable)	Portfolio manager experience in this fund	Primary title with investment adviser
Mark L. Casey	2 years	Partner – Capital International Investors
Michael T. Kerr	14 years	Partner – Capital International Investors
Anne-Marie Peterson	1 year	Partner – Capital World Investors
Andraz Razen	6 years	Partner – Capital World Investors
Alan J. Wilson	5 years	Partner – Capital World Investors

**Tax information** See your variable insurance contract prospectus for information regarding the federal income tax treatment of your variable insurance contract and related distributions.

**Payments to broker-dealers and other financial intermediaries** If you purchase shares of the fund through a broker-dealer or other financial intermediary (such as an insurance company), the fund and the fund's distributor or its affiliates may pay the intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your individual financial advisor to recommend the fund over another investment. Ask your individual financial advisor or visit your financial intermediary's website for more information. The fund is not sold directly to the general public but instead is offered as an underlying investment option for variable insurance contracts. In addition to payments described above, the fund and its related companies may make payments to the sponsoring insurance company (or its affiliates) for distribution and/or other services. These payments may be a factor that the insurance company considers in including the fund as an underlying investment option in the variable insurance contract. The prospectus (or other offering document) for your variable insurance contract may contain additional information about these payments.

International Fund

**Investment objective** The fund’s investment objective is to provide long-term growth of capital.

**Fees and expenses of the fund** This table describes the fees and expenses that you may pay if you buy and hold an interest in Class 1 shares of the fund. It does not reflect insurance contract fees and expenses. If insurance contract fees and expenses were reflected, expenses shown would be higher.

Annual fund operating expenses (expenses that you pay each year as a percentage of the value of your investment)	Class 1
Management fee	0.49%
Other expenses	0.04
Total annual fund operating expenses	0.53

**Example** This example is intended to help you compare the cost of investing in Class 1 shares of the fund with the cost of investing in other mutual funds.

The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods. The example also assumes that your investment has a 5% return each year and that the fund’s operating expenses remain the same. The example does not reflect insurance contract expenses. If insurance contract expenses were reflected, expenses shown would be higher. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 year	3 years	5 years	10 years
Class 1	\$54	\$170	\$296	\$665

**Portfolio turnover** The fund pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund’s investment results. During the most recent fiscal year, the fund’s portfolio turnover rate was 29% of the average value of its portfolio.

**Principal investment strategies** The fund invests primarily in common stocks of companies domiciled outside the United States, including companies domiciled in emerging markets, that the investment adviser believes have the potential for growth.

The investment adviser uses a system of multiple portfolio managers in managing the fund’s assets. Under this approach, the portfolio of the fund is divided into segments managed by individual managers who decide how their respective segments will be invested.

The fund relies on the professional judgment of its investment adviser to make decisions about the fund’s portfolio investments. The basic investment philosophy of the investment adviser is to seek to invest in attractively valued companies that, in its opinion, represent good, long-term investment opportunities. The investment adviser believes that an important way to accomplish this is through fundamental analysis, which may include meeting with company executives and employees, suppliers, customers and competitors. Securities may be sold when the investment adviser believes that they no longer represent relatively attractive investment opportunities.

## Principal risks

**This section describes the principal risks associated with investing in the fund. You may lose money by investing in the fund. The likelihood of loss may be greater if you invest for a shorter period of time. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.**

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

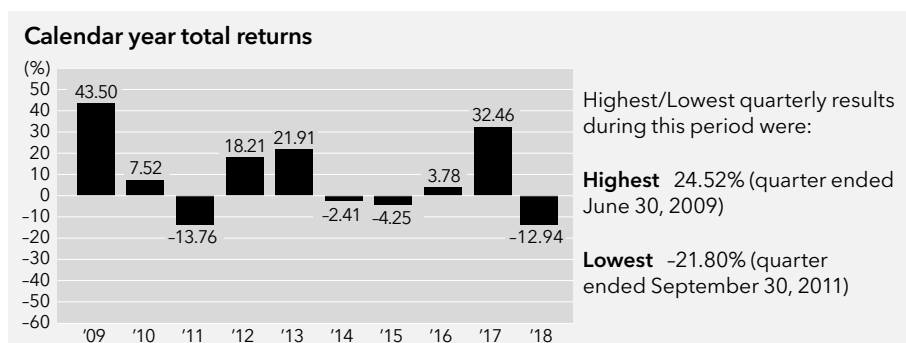
*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Investing in emerging markets* – Investing in emerging markets may involve risks in addition to and greater than those generally associated with investing in the securities markets of developed countries. For instance, emerging market countries may have less developed legal and accounting systems than those in developed countries. The governments of these countries may be less stable and more likely to impose capital controls, nationalize a company or industry, place restrictions on foreign ownership and on withdrawing sale proceeds of securities from the country, and/or impose punitive taxes that could adversely affect the prices of securities. In addition, the economies of these countries may be dependent on relatively few industries that are more susceptible to local and global changes. Securities markets in these countries can also be relatively small and have substantially lower trading volumes. As a result, securities issued in these countries may be more volatile and less liquid, and may be more difficult to value, than securities issued in countries with more developed economies and/or markets. Less certainty with respect to security valuations may lead to additional challenges and risks in calculating the fund's net asset value. Additionally, emerging markets are more likely to experience problems with the clearing and settling of trades and the holding of securities by banks, agents and depositories that are less established than those in developed countries.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

Your investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, entity or person. You should consider how this fund fits into your overall investment program.

**Investment results** The following bar chart shows how the investment results of the Class 1 shares of the fund have varied from year to year, and the following table shows how the fund's average annual total returns for various periods compare with a broad measure of securities market results and other applicable measures of market results. This information provides some indication of the risks of investing in the fund. The Lipper International Funds Index includes mutual funds that disclose investment objectives and/or strategies reasonably comparable to those of the fund. Past investment results (before and after taxes) are not predictive of future investment results. Figures shown reflect fees and expenses associated with an investment in the fund, but do not reflect insurance contract fees and expenses. If insurance contract fees and expenses were included, results would have been lower. Updated information on the fund's investment results can be obtained by visiting [americanfunds.com/afis](http://americanfunds.com/afis).



**Average annual total returns** For the periods ended December 31, 2018:

	1 year	5 years	10 years	Lifetime
Fund (inception date – 5/1/90)	-12.94%	2.26%	7.93%	7.72%
MSCI All Country World ex USA Index (reflects no deduction for sales charges, account fees, expenses or U.S. federal income taxes)	-14.20	0.68	6.57	5.32
Lipper International Funds Index (reflects no deduction for sales charges, account fees or U.S. federal income taxes)	-14.94	0.70	6.80	5.86

## Management

**Investment adviser** Capital Research and Management Company<sup>SM</sup>

**Portfolio managers** The individuals primarily responsible for the portfolio management of the fund are:

Portfolio manager/ Series title (if applicable)	Portfolio manager experience in this fund	Primary title with investment adviser
<b>Sung Lee</b> Vice President	13 years	Partner – Capital Research Global Investors
<b>Renaud H. Samyn</b> Vice President	5 years	Partner – Capital Research Global Investors
<b>L. Alfonso Barroso</b>	10 years	Partner – Capital Research Global Investors
<b>Jesper Lyckeus</b>	12 years	Partner – Capital Research Global Investors
<b>Christopher Thomsen</b>	13 years	Partner – Capital Research Global Investors

**Tax information** See your variable insurance contract prospectus for information regarding the federal income tax treatment of your variable insurance contract and related distributions.

**Payments to broker-dealers and other financial intermediaries** If you purchase shares of the fund through a broker-dealer or other financial intermediary (such as an insurance company), the fund and the fund's distributor or its affiliates may pay the intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your individual financial advisor to recommend the fund over another investment. Ask your individual financial advisor or visit your financial intermediary's website for more information. The fund is not sold directly to the general public but instead is offered as an underlying investment option for variable insurance contracts. In addition to payments described above, the fund and its related companies may make payments to the sponsoring insurance company (or its affiliates) for distribution and/or other services. These payments may be a factor that the insurance company considers in including the fund as an underlying investment option in the variable insurance contract. The prospectus (or other offering document) for your variable insurance contract may contain additional information about these payments.

Growth-Income Fund

**Investment objectives** The fund’s investment objectives are to achieve long-term growth of capital and income.

**Fees and expenses of the fund** This table describes the fees and expenses that you may pay if you buy and hold an interest in Class 1 shares of the fund. It does not reflect insurance contract fees and expenses. If insurance contract fees and expenses were reflected, expenses shown would be higher.

Annual fund operating expenses (expenses that you pay each year as a percentage of the value of your investment)	Class 1
Management fee	0.26%
Other expenses	0.02
Total annual fund operating expenses	0.28

**Example** This example is intended to help you compare the cost of investing in Class 1 shares of the fund with the cost of investing in other mutual funds.

The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods. The example also assumes that your investment has a 5% return each year and that the fund’s operating expenses remain the same. The example does not reflect insurance contract expenses. If insurance contract expenses were reflected, expenses shown would be higher. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 year	3 years	5 years	10 years
Class 1	\$29	\$90	\$157	\$356

**Portfolio turnover** The fund pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund’s investment results. During the most recent fiscal year, the fund’s portfolio turnover rate was 39% of the average value of its portfolio.

**Principal investment strategies** The fund invests primarily in common stocks or other securities that the investment adviser believes demonstrate the potential for appreciation and/or dividends. The fund may invest up to 15% of its assets, at the time of purchase, in securities of issuers domiciled outside the United States. The fund is designed for investors seeking both capital appreciation and income.

The investment adviser uses a system of multiple portfolio managers in managing the fund’s assets. Under this approach, the portfolio of the fund is divided into segments managed by individual managers who decide how their respective segments will be invested.

The fund relies on the professional judgment of its investment adviser to make decisions about the fund’s portfolio investments. The basic investment philosophy of the investment adviser is to seek to invest in attractively valued companies that, in its opinion, represent good, long-term investment opportunities. The investment adviser believes that an important way to accomplish this is through fundamental analysis, which may include meeting with company executives and employees, suppliers, customers and competitors. Securities may be sold when the investment adviser believes that they no longer represent relatively attractive investment opportunities.

## Principal risks

**This section describes the principal risks associated with investing in the fund. You may lose money by investing in the fund. The likelihood of loss may be greater if you invest for a shorter period of time. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.**

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

*Investing in income-oriented stocks* – The value of the fund's securities and income provided by the fund may be reduced by changes in the dividend policies of, and the capital resources available for dividend payments at, the companies in which the fund invests.

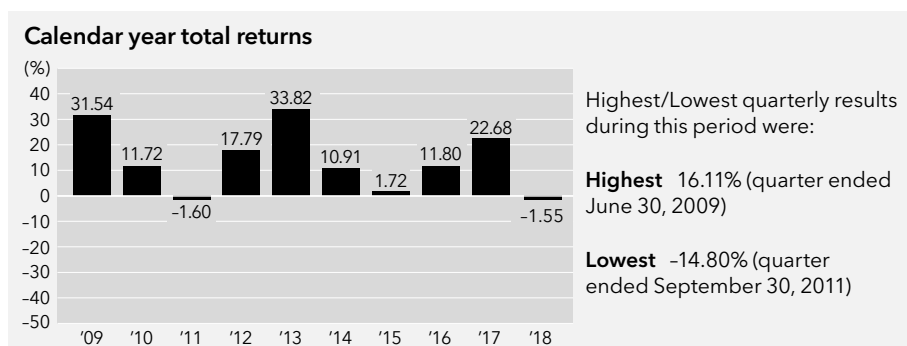
*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

Your investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, entity or person. You should consider how this fund fits into your overall investment program.



**Investment results** The following bar chart shows how the investment results of the Class 1 shares of the fund have varied from year to year, and the following table shows how the fund's average annual total returns for various periods compare with a broad measure of securities market results and other applicable measures of market results. This information provides some indication of the risks of investing in the fund. The Lipper Growth and Income Funds Index includes mutual funds that disclose investment objectives and/or strategies reasonably comparable to those of the fund. Past investment results (before and after taxes) are not predictive of future investment results. Figures shown reflect fees and expenses associated with an investment in the fund, but do not reflect insurance contract fees and expenses. If insurance contract fees and expenses were included, results would have been lower. Updated information on the fund's investment results can be obtained by visiting [americanfunds.com/afis](http://americanfunds.com/afis).



Average annual total returns For the periods ended December 31, 2018:	1 year	5 years	10 years	Lifetime
Fund (inception date – 2/8/84)	-1.55%	8.79%	13.26%	11.06%
S&P 500 Index (reflects no deduction for sales charges, account fees, expenses or U.S. federal income taxes)	-4.38	8.49	13.12	10.92
Lipper Growth and Income Funds Index (reflects no deduction for sales charges, account fees or U.S. federal income taxes)	-6.72	5.59	10.78	9.31

## Management

**Investment adviser** Capital Research and Management Company<sup>SM</sup>

**Portfolio managers** The individuals primarily responsible for the portfolio management of the fund are:

Portfolio manager/ Series title (if applicable)	Portfolio manager experience in this fund	Primary title with investment adviser
<b>Donald D. O'Neal</b> Co-President and Trustee	14 years	Partner – Capital International Investors
<b>S. Keiko McKibben</b> Vice President	5 years	Partner – Capital Research Global Investors
<b>Dylan Yolles</b> Vice President	14 years	Partner – Capital International Investors
<b>J. Blair Frank</b>	13 years	Partner – Capital Research Global Investors
<b>Claudia P. Huntington</b>	25 years	Partner – Capital Research Global Investors
<b>William L. Robbins</b>	7 years	Partner – Capital International Investors

**Tax information** See your variable insurance contract prospectus for information regarding the federal income tax treatment of your variable insurance contract and related distributions.

**Payments to broker-dealers and other financial intermediaries** If you purchase shares of the fund through a broker-dealer or other financial intermediary (such as an insurance company), the fund and the fund's distributor or its affiliates may pay the intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your individual financial advisor to recommend the fund over another investment. Ask your individual financial advisor or visit your financial intermediary's website for more information. The fund is not sold directly to the general public but instead is offered as an underlying investment option for variable insurance contracts. In addition to payments described above, the fund and its related companies may make payments to the sponsoring insurance company (or its affiliates) for distribution and/or other services. These payments may be a factor that the insurance company considers in including the fund as an underlying investment option in the variable insurance contract. The prospectus (or other offering document) for your variable insurance contract may contain additional information about these payments.

## Asset Allocation Fund

**Investment objective** The fund's investment objective is to provide high total return (including income and capital gains) consistent with preservation of capital over the long term.

**Fees and expenses of the fund** This table describes the fees and expenses that you may pay if you buy and hold an interest in Class 1 shares of the fund. It does not reflect insurance contract fees and expenses. If insurance contract fees and expenses were reflected, expenses shown would be higher.

Annual fund operating expenses (expenses that you pay each year as a percentage of the value of your investment)	Class 1
Management fee	0.27%
Other expenses	0.02
Total annual fund operating expenses	0.29

**Example** This example is intended to help you compare the cost of investing in Class 1 shares of the fund with the cost of investing in other mutual funds.

The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods. The example also assumes that your investment has a 5% return each year and that the fund's operating expenses remain the same. The example does not reflect insurance contract expenses. If insurance contract expenses were reflected, expenses shown would be higher. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 year	3 years	5 years	10 years
Class 1	\$30	\$93	\$163	\$368

**Portfolio turnover** The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's investment results. During the most recent fiscal year, the fund's portfolio turnover rate was 86% of the average value of its portfolio.

**Principal investment strategies** In seeking to pursue its investment objective, the fund varies its mix of equity securities, debt securities and money market instruments. Under normal market conditions, the fund's investment adviser expects (but is not required) to maintain an investment mix falling within the following ranges: 40%-80% in equity securities, 20%-50% in debt securities and 0%-40% in money market instruments and cash. As of December 31, 2018, the fund was approximately 59% invested in equity securities, 29% invested in debt securities and 12% invested in money market instruments and cash. The proportion of equities, debt and money market securities held by the fund varies with market conditions and the investment adviser's assessment of their relative attractiveness as investment opportunities.

The fund invests in a diversified portfolio of common stocks and other equity securities, bonds and other intermediate and long-term debt securities, and money market instruments (debt securities maturing in one year or less). The fund may invest up to 15% of its assets in common stocks and other equity securities of issuers domiciled outside the United States and up to 5% of its assets in debt securities of issuers domiciled outside the United States. In addition, the fund may invest up to 25% of its debt assets in lower quality debt securities (rated Ba1 or below and BB+ or below by Nationally Recognized Statistical Rating Organizations designated by the fund's investment adviser or unrated but determined to be of equivalent quality by the fund's investment adviser). Such securities are sometimes referred to as "junk bonds."

The investment adviser uses a system of multiple portfolio managers in managing the fund's assets. Under this approach, the portfolio of the fund is divided into segments managed by individual managers who decide how their respective segments will be invested.

The fund relies on the professional judgment of its investment adviser to make decisions about the fund's portfolio investments. The basic investment philosophy of the investment adviser is to seek to invest in attractively priced securities that, in its opinion, represent good, long-term investment opportunities. The investment adviser believes that an important way to accomplish this is through fundamental analysis, which may include meeting with company executives and employees, suppliers, customers and competitors. Securities may be sold when the investment adviser believes that they no longer represent relatively attractive investment opportunities.

## Principal risks

**This section describes the principal risks associated with investing in the fund. You may lose money by investing in the fund. The likelihood of loss may be greater if you invest for a shorter period of time. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.**

*Market conditions* – The prices of, and the income generated by, the common stocks, bonds and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

*Investing in income-oriented stocks* – The value of the fund's securities and income provided by the fund may be reduced by changes in the dividend policies of, and the capital resources available for dividend payments at, the companies in which the fund invests.

*Investing in debt instruments* – The prices of, and the income generated by, bonds and other debt securities held by the fund may be affected by changing interest rates and by changes in the effective maturities and credit ratings of these securities.

Rising interest rates will generally cause the prices of bonds and other debt securities to fall. A general rise in interest rates may cause investors to sell debt securities on a large scale, which could also adversely affect the price and liquidity of debt securities and could also result in increased redemptions from the fund. Falling interest rates may cause an issuer to redeem, call or refinance a debt security before its stated maturity, which may result in the fund failing to recoup the full amount of its initial investment and having to reinvest the proceeds in lower yielding securities. Longer maturity debt securities generally have greater sensitivity to changes in interest rates and may be subject to greater price fluctuations than shorter maturity debt securities.

Bonds and other debt securities are also subject to credit risk, which is the possibility that the credit strength of an issuer or guarantor will weaken or be perceived to be weaker, and/or an issuer of a debt security will fail to make timely payments of principal or interest and the security will go into default. A downgrade or default affecting any of the fund's securities could cause the value of the fund's shares to decrease. Lower quality debt securities generally have higher rates of interest and may be subject to greater price fluctuations than higher quality debt securities. Credit risk is gauged, in part, by the credit ratings of the debt securities in which the fund invests. However, ratings are only the opinions of the rating agencies issuing them and are not guarantees as to credit quality or an evaluation of market risk. The fund's investment adviser relies on its own credit analysts to research issuers and issues in seeking to assess credit and default risks.

*Investing in lower rated debt instruments* – Lower rated bonds and other lower rated debt securities generally have higher rates of interest and involve greater risk of default or price declines due to changes in the issuer's creditworthiness than those of higher quality debt securities. The market prices of these securities may fluctuate more than the prices of higher quality debt securities and may decline significantly in periods of general economic difficulty. These risks may be increased with respect to investments in junk bonds.

*Investing in securities backed by the U.S. government* – Securities backed by the U.S. Treasury or the full faith and credit of the U.S. government are guaranteed only as to the timely payment of interest and principal when held to maturity. Accordingly, the current market values for these securities will fluctuate with changes in interest rates and the credit rating of the U.S. government. Securities issued by government-sponsored entities and federal agencies and instrumentalities that are not backed by the full faith and credit of the U.S. government are neither issued nor guaranteed by the U.S. government.

*Liquidity risk* – Certain fund holdings may be or become difficult or impossible to sell, particularly during times of market turmoil. Illiquidity may result from the lack of an active market for a holding, legal or contractual restrictions on resale, or the reduced number and capacity of market participants to make a market in such holding. Market prices for less liquid or illiquid holdings may be volatile, and reduced liquidity may have an adverse impact on the market price of such holdings. Additionally, the sale of less liquid or illiquid holdings may involve substantial delays (including delays in settlement) and additional costs and the fund may be unable to sell such holdings when necessary to meet its liquidity needs or may be forced to sell at a loss.

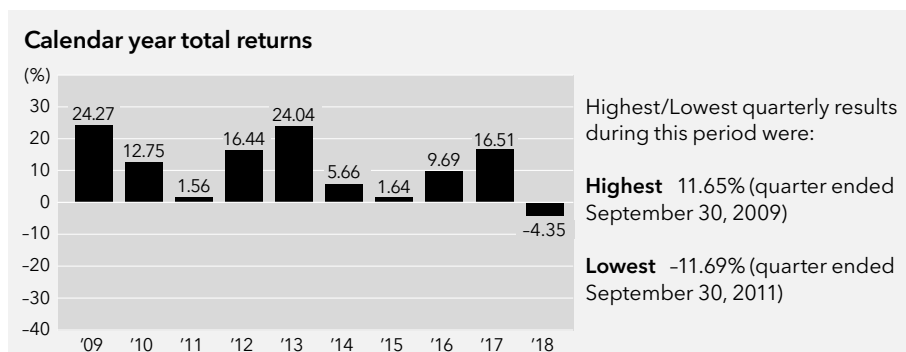
*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Asset allocation* – The fund's percentage allocation to equity securities, debt securities and money market instruments could cause the fund to underperform relative to relevant benchmarks and other funds with similar investment objectives.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

Your investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency, entity or person. You should consider how this fund fits into your overall investment program.

**Investment results** The following bar chart shows how the investment results of the Class 1 shares of the fund have varied from year to year, and the following table shows how the fund's average annual total returns for various periods compare with a broad measure of securities market results and other applicable measures of market results. This information provides some indication of the risks of investing in the fund. The 60%/40% S&P 500 Index/Bloomberg Barclays Index is a composite blend of 60% of the S&P 500 Index and 40% of the Bloomberg Barclays U.S. Aggregate Index and represents a broad measure of the U.S. stock and bond markets, including market sectors in which the fund may invest. The Lipper Balanced Funds Index includes mutual funds that disclose investment objectives and/or strategies reasonably comparable to those of the fund. Past investment results (before and after taxes) are not predictive of future investment results. Figures shown reflect fees and expenses associated with an investment in the fund, but do not reflect insurance contract fees and expenses. If insurance contract fees and expenses were included, results would have been lower. Updated information on the fund's investment results can be obtained by visiting [americanfunds.com/afis](http://americanfunds.com/afis).



Average annual total returns For the periods ended December 31, 2018:	1 year	5 years	10 years	Lifetime
Fund (inception date – 8/1/89)	-4.35%	5.60%	10.44%	8.22%
S&P 500 Index (reflects no deduction for sales charges, account fees, expenses or U.S. federal income taxes)	-4.38	8.49	13.12	9.31
Bloomberg Barclays U.S. Aggregate Index (reflects no deduction for sales charges, account fees, expenses or U.S. federal income taxes)	0.01	2.52	3.48	5.81
60%/40% S&P 500 Index/Bloomberg Barclays Index (reflects no deductions for sales charges, account fees, expenses or U.S. federal income taxes)	-2.35	6.24	9.42	8.17
Lipper Balanced Funds Index (reflects no deductions for sales charges, account fees or U.S. federal income taxes)	-4.68	4.48	8.47	7.24

## Management

**Investment adviser** Capital Research and Management Company<sup>SM</sup>

**Portfolio managers** The individuals primarily responsible for the portfolio management of the fund are:

Portfolio manager/ Series title (if applicable)	Portfolio manager experience in this fund	Primary title with investment adviser
Alan N. Berro Co-President	19 years	Partner – Capital World Investors
David A. Daigle	10 years	Partner – Capital Fixed Income Investors
Peter Eliot	3 years	Partner – Capital International Investors
Jeffrey T. Lager	12 years	Partner – Capital International Investors
Jin Lee	1 year	Partner – Capital World Investors
James R. Mulally	13 years	Partner – Capital Fixed Income Investors
John R. Queen	3 years	Partner – Capital Fixed Income Investors

**Tax information** See your variable insurance contract prospectus for information regarding the federal income tax treatment of your variable insurance contract and related distributions.

**Payments to broker-dealers and other financial intermediaries** If you purchase shares of the fund through a broker-dealer or other financial intermediary (such as an insurance company), the fund and the fund's distributor or its affiliates may pay the intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your individual financial advisor to recommend the fund over another investment. Ask your individual financial advisor or visit your financial intermediary's website for more information. The fund is not sold directly to the general public but instead is offered as an underlying investment option for variable insurance contracts. In addition to payments described above, the fund and its related companies may make payments to the sponsoring insurance company (or its affiliates) for distribution and/or other services. These payments may be a factor that the insurance company considers in including the fund as an underlying investment option in the variable insurance contract. The prospectus (or other offering document) for your variable insurance contract may contain additional information about these payments.

## Investment objectives, strategies and risks

**Global Growth Fund** The fund's investment objective is to provide long-term growth of capital. While it has no present intention to do so, the fund's board may change the fund's investment objective without shareholder approval upon 60 days' written notice to shareholders.

The fund invests primarily in common stocks of companies around the world that the investment adviser believes have the potential for growth. The fund may also invest in securities of foreign issuers in the form of depositary receipts or other instruments by which the fund may obtain exposure to equity investments in local markets. As a fund that seeks to invest globally, the fund will allocate its assets among securities of companies domiciled in various countries, including the United States and countries with emerging markets (but in no fewer than three countries). Under normal market conditions, the fund will invest significantly in issuers domiciled outside the United States (i.e., at least 40% of its net assets, unless market conditions are not deemed favorable by the fund's investment adviser, in which case the fund would invest at least 30% of its net assets in issuers outside the United States). Although the fund focuses on investments in medium to larger capitalization companies, the fund's investments are not limited to a particular capitalization size.

The fund is designed for investors seeking capital appreciation through investments in stocks. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.

The fund may also hold cash or money market instruments, including commercial paper and short-term securities issued by the U.S. government, its agencies and instrumentalities. The percentage of the fund invested in such holdings varies and depends on various factors, including market conditions and purchases and redemptions of fund shares. The investment adviser may determine that it is appropriate to invest a substantial portion of the fund's assets in such instruments in response to certain circumstances, such as periods of market turmoil. In addition, for temporary defensive purposes, the fund may invest without limitation in such instruments. A larger amount of such holdings could moderate a fund's investment results in a period of rising market prices. Alternatively, a larger percentage of such holdings could reduce the magnitude of a fund's loss in a period of falling market prices and provide liquidity to make additional investments or to meet redemptions.

The fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment adviser or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the fund's investment adviser and its affiliates and other funds, investment vehicles and accounts managed by the fund's investment adviser and its affiliates. When investing in Central Funds, the fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portions of the fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

The following are principal risks associated with the fund's investment strategies.

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

Economies and financial markets throughout the world are increasingly interconnected. Economic, financial or political events, trading and tariff arrangements, wars, terrorism, cybersecurity events, natural disasters and other circumstances in one country or region could have profound impacts on global economies or markets. As a result, whether or not the fund invests in securities of issuers located in or with significant exposure to the countries affected, the value and liquidity of the fund's investments may be negatively affected by developments in other countries and regions.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Investing in emerging markets* – Investing in emerging markets may involve risks in addition to and greater than those generally associated with investing in the securities markets of developed countries. For instance, emerging market countries may have less developed legal

and accounting systems than those in developed countries. The governments of these countries may be less stable and more likely to impose capital controls, nationalize a company or industry, place restrictions on foreign ownership and on withdrawing sale proceeds of securities from the country, and/or impose punitive taxes that could adversely affect the prices of securities. In addition, the economies of these countries may be dependent on relatively few industries that are more susceptible to local and global changes. Securities markets in these countries can also be relatively small and have substantially lower trading volumes. As a result, securities issued in these countries may be more volatile and less liquid, and may be more difficult to value, than securities issued in countries with more developed economies and/or markets. Less certainty with respect to security valuations may lead to additional challenges and risks in calculating the fund's net asset value. Additionally, emerging markets are more likely to experience problems with the clearing and settling of trades and the holding of securities by banks, agents and depositories that are less established than those in developed countries.

**Management** – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

The following are additional risks associated with investing in the fund.

**Exposure to country, region, industry or sector** – Subject to the fund's investment limitations, the fund may have significant exposure to a particular country, region, industry or sector. Such exposure may cause the fund to be more impacted by risks relating to and developments affecting the country, region, industry or sector, and thus its net asset value may be more volatile, than a fund without such levels of exposure. For example, if the fund has significant exposure in a particular country, then social, economic, regulatory or other issues that negatively affect that country may have a greater impact on the fund than on a fund that is more geographically diversified.

**Liquidity risk** – Certain fund holdings may be or become difficult or impossible to sell, particularly during times of market turmoil. Illiquidity may result from the lack of an active market for a holding, legal or contractual restrictions on resale, or the reduced number and capacity of market participants to make a market in such holding. Market prices for less liquid or illiquid holdings may be volatile, and reduced liquidity may have an adverse impact on the market price of such holdings. Additionally, the sale of less liquid or illiquid holdings may involve substantial delays (including delays in settlement) and additional costs and the fund may be unable to sell such holdings when necessary to meet its liquidity needs or may be forced to sell at a loss.

In addition to the principal investment strategies described above, the fund has other investment practices that are described in the statement of additional information, which includes a description of other risks related to the fund's principal investment strategies and other investment practices. The fund's investment results will depend on the ability of the fund's investment adviser to navigate the risks discussed above as well as those described in the statement of additional information.

**Fund comparative indexes** – The MSCI All Country World Index is a free float-adjusted market capitalization-weighted index that is designed to measure equity market results in the global developed and emerging markets, consisting of more than 40 developed and emerging market country indexes. Results reflect dividends gross of withholding taxes through December 31, 2000, and dividends net of withholding taxes thereafter. This index is unmanaged, and its results include reinvested dividends and/or distributions but do not reflect the effect of sales charges, commissions, account fees, expenses or U.S. federal income taxes. The Lipper Global Funds Index is an equally weighted index of funds that invest at least 25% of their portfolios in securities traded outside the United States and may own U.S. securities as well. The results of the underlying funds in the index include the reinvestment of dividends and capital gain distributions, as well as brokerage commissions paid by the funds for portfolio transactions and other fund expenses, but do not reflect the effect of sales charges, account fees or U.S. federal income taxes.

**Growth Fund** The fund's investment objective is to provide growth of capital. While it has no present intention to do so, the fund's board may change the fund's investment objective without shareholder approval upon 60 days' written notice to shareholders.

The fund invests primarily in common stocks and seeks to invest in companies that appear to offer superior opportunities for growth of capital. The fund may invest up to 25% of its assets in common stocks and other securities of issuers domiciled outside the United States, including, to a more limited extent, in emerging markets. Although the fund focuses on investments in medium to larger capitalization companies, the fund's investments are not limited to a particular capitalization size. The fund may also invest in other equity type securities, such as preferred stocks, convertible preferred stocks and convertible bonds.

The fund is designed for investors seeking capital appreciation through investments in stocks. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.

The fund may also hold cash or money market instruments, including commercial paper and short-term securities issued by the U.S. government, its agencies and instrumentalities. The percentage of the fund invested in such holdings varies and depends on various factors, including market conditions and purchases and redemptions of fund shares. The investment adviser may determine that it is appropriate to invest a substantial portion of the fund's assets in such instruments in response to certain circumstances, such as periods of market turmoil. In addition, for temporary defensive purposes, the fund may invest without limitation in such instruments. A larger amount of such holdings could moderate a fund's investment results in a period of rising market prices. Alternatively, a larger percentage of such holdings could reduce the magnitude of a fund's loss in a period of falling market prices and provide liquidity to make additional investments or to meet redemptions.

The fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment adviser or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the fund's investment adviser and its affiliates and other funds, investment vehicles and accounts managed by the fund's investment adviser and its affiliates. When investing in Central Funds, the fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not

bear additional management fees through its investment in such Central Funds. The investment results of the portions of the fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

The following are principal risks associated with the fund's investment strategies.

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

Economies and financial markets throughout the world are increasingly interconnected. Economic, financial or political events, trading and tariff arrangements, wars, terrorism, cybersecurity events, natural disasters and other circumstances in one country or region could have profound impacts on global economies or markets. As a result, whether or not the fund invests in securities of issuers located in or with significant exposure to the countries affected, the value and liquidity of the fund's investments may be negatively affected by developments in other countries and regions.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments. These risks may be even greater in the case of smaller capitalization stocks.

*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

The following are additional risks associated with investing in the fund.

*Investing in small companies* – Investing in smaller companies may pose additional risks. For example, it is often more difficult to value or dispose of small company stocks and more difficult to obtain information about smaller companies than about larger companies. Furthermore, smaller companies often have limited product lines, operating histories, markets and/or financial resources, may be dependent on one or a few key persons for management, and can be more susceptible to losses. Moreover, the prices of their stocks may be more volatile than stocks of larger, more established companies, particularly during times of market turmoil.

*Exposure to country, region, industry or sector* – Subject to the fund's investment limitations, the fund may have significant exposure to a particular country, region, industry or sector. Such exposure may cause the fund to be more impacted by risks relating to and developments affecting the country, region, industry or sector, and thus its net asset value may be more volatile, than a fund without such levels of exposure. For example, if the fund has significant exposure in a particular country, then social, economic, regulatory or other issues that negatively affect that country may have a greater impact on the fund than on a fund that is more geographically diversified.

*Liquidity risk* – Certain fund holdings may be or become difficult or impossible to sell, particularly during times of market turmoil. Illiquidity may result from the lack of an active market for a holding, legal or contractual restrictions on resale, or the reduced number and capacity of market participants to make a market in such holding. Market prices for less liquid or illiquid holdings may be volatile, and reduced liquidity may have an adverse impact on the market price of such holdings. Additionally, the sale of less liquid or illiquid holdings may involve substantial delays (including delays in settlement) and additional costs and the fund may be unable to sell such holdings when necessary to meet its liquidity needs or may be forced to sell at a loss.

In addition to the principal investment strategies described above, the fund has other investment practices that are described in the statement of additional information, which includes a description of other risks related to the fund's principal investment strategies and other investment practices. The fund's investment results will depend on the ability of the fund's investment adviser to navigate the risks discussed above as well as those described in the statement of additional information.

**Fund comparative indexes** – The S&P 500 Index is a market capitalization-weighted index based on the results of approximately 500 widely held common stocks. This index is unmanaged, and its results include reinvested dividends and/or distributions but do not reflect



the effect of sales charges, commissions, account fees, expenses or U.S. federal income taxes. The Lipper Growth Funds Index is an equally weighted index of growth funds, as defined by each fund's related prospectus. The results of the underlying funds in the index include the reinvestment of dividends and capital gain distributions, as well as brokerage commissions paid by the funds for portfolio transactions and other fund expenses, but do not reflect the effect of sales charges, account fees or U.S. federal income taxes. The Lipper Capital Appreciation Funds Index is an equally weighted index of funds that aim for maximum capital appreciation. The results of the underlying funds in both Lipper indexes include the reinvestment of dividends and capital gain distributions, as well as brokerage commissions paid by the funds for portfolio transactions and other fund expenses, but do not reflect the effect of sales charges, account fees or U.S. federal income taxes.

**International Fund** The fund's investment objective is to provide long-term growth of capital. While it has no present intention to do so, the fund's board may change the fund's investment objective without shareholder approval upon 60 days' written notice to shareholders.

The fund invests primarily in common stocks of companies domiciled outside the United States, including companies domiciled in emerging markets, that the investment adviser believes have the potential for growth. The fund may also invest in securities of foreign issuers in the form of depository receipts or other instruments by which the fund may obtain exposure to equity investments in local markets. Although the fund focuses on investments in medium to larger capitalization companies, the fund's investments are not limited to a particular capitalization size.

The fund is designed for investors seeking capital appreciation through investments in stocks. Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.

The fund may also hold cash or money market instruments, including commercial paper and short-term securities issued by the U.S. government, its agencies and instrumentalities. The percentage of the fund invested in such holdings varies and depends on various factors, including market conditions and purchases and redemptions of fund shares. The investment adviser may determine that it is appropriate to invest a substantial portion of the fund's assets in such instruments in response to certain circumstances, such as periods of market turmoil. In addition, for temporary defensive purposes, the fund may invest without limitation in such instruments. A larger amount of such holdings could moderate a fund's investment results in a period of rising market prices. Alternatively, a larger percentage of such holdings could reduce the magnitude of a fund's loss in a period of falling market prices and provide liquidity to make additional investments or to meet redemptions.

The fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment adviser or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the fund's investment adviser and its affiliates and other funds, investment vehicles and accounts managed by the fund's investment adviser and its affiliates. When investing in Central Funds, the fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portions of the fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

The following are principal risks associated with the fund's investment strategies.

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

Economies and financial markets throughout the world are increasingly interconnected. Economic, financial or political events, trading and tariff arrangements, wars, terrorism, cybersecurity events, natural disasters and other circumstances in one country or region could have profound impacts on global economies or markets. As a result, whether or not the fund invests in securities of issuers located in or with significant exposure to the countries affected, the value and liquidity of the fund's investments may be negatively affected by developments in other countries and regions.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of

securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Investing in emerging markets* – Investing in emerging markets may involve risks in addition to and greater than those generally associated with investing in the securities markets of developed countries. For instance, emerging market countries may have less developed legal and accounting systems than those in developed countries. The governments of these countries may be less stable and more likely to impose capital controls, nationalize a company or industry, place restrictions on foreign ownership and on withdrawing sale proceeds of securities from the country, and/or impose punitive taxes that could adversely affect the prices of securities. In addition, the economies of these countries may be dependent on relatively few industries that are more susceptible to local and global changes. Securities markets in these countries can also be relatively small and have substantially lower trading volumes. As a result, securities issued in these countries may be more volatile and less liquid, and may be more difficult to value, than securities issued in countries with more developed economies and/or markets. Less certainty with respect to security valuations may lead to additional challenges and risks in calculating the fund's net asset value. Additionally, emerging markets are more likely to experience problems with the clearing and settling of trades and the holding of securities by banks, agents and depositories that are less established than those in developed countries.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

The following are additional risks associated with investing in the fund.

*Investing in small companies* – Investing in smaller companies may pose additional risks. For example, it is often more difficult to value or dispose of small company stocks and more difficult to obtain information about smaller companies than about larger companies. Furthermore, smaller companies often have limited product lines, operating histories, markets and/or financial resources, may be dependent on one or a few key persons for management, and can be more susceptible to losses. Moreover, the prices of their stocks may be more volatile than stocks of larger, more established companies, particularly during times of market turmoil.

*Exposure to country, region, industry or sector* – Subject to the fund's investment limitations, the fund may have significant exposure to a particular country, region, industry or sector. Such exposure may cause the fund to be more impacted by risks relating to and developments affecting the country, region, industry or sector, and thus its net asset value may be more volatile, than a fund without such levels of exposure. For example, if the fund has significant exposure in a particular country, then social, economic, regulatory or other issues that negatively affect that country may have a greater impact on the fund than on a fund that is more geographically diversified.

*Liquidity risk* – Certain fund holdings may be or become difficult or impossible to sell, particularly during times of market turmoil. Illiquidity may result from the lack of an active market for a holding, legal or contractual restrictions on resale, or the reduced number and capacity of market participants to make a market in such holding. Market prices for less liquid or illiquid holdings may be volatile, and reduced liquidity may have an adverse impact on the market price of such holdings. Additionally, the sale of less liquid or illiquid holdings may involve substantial delays (including delays in settlement) and additional costs and the fund may be unable to sell such holdings when necessary to meet its liquidity needs or may be forced to sell at a loss.

In addition to the principal investment strategies described above, the fund has other investment practices that are described in the statement of additional information, which includes a description of other risks related to the fund's principal investment strategies and other investment practices. The fund's investment results will depend on the ability of the fund's investment adviser to navigate the risks discussed above as well as those described in the statement of additional information.

**Fund comparative indexes** – The MSCI All Country World ex USA Index is a free float-adjusted market capitalization-weighted index that is designed to measure equity market results in the global developed and emerging markets, excluding the United States. The index consists of more than 40 developed and emerging market country indexes. Results reflect dividends gross of withholding taxes through December 31, 2000, and dividends net of withholding taxes thereafter. This index is unmanaged, and its results include reinvested dividends and/or distributions but do not reflect the effect of sales charges, commissions, account fees, expenses or U.S. federal income taxes. The Lipper International Funds Index is an equally weighted index of funds that invest assets in securities with primary trading markets outside the United States. The results of the underlying funds in the index include the reinvestment of dividends and capital gain distributions, as well as brokerage commissions paid by the funds for portfolio transactions and other fund expenses, but do not reflect the effect of sales charges, account fees or U.S. federal income taxes.

**Growth-Income Fund** The fund's investment objectives are to achieve long-term growth of capital and income. While it has no present intention to do so, the fund's board may change the fund's investment objectives without shareholder approval upon 60 days' written notice to shareholders.

The fund invests primarily in common stocks or other equity type securities, such as preferred stocks, convertible preferred stocks and convertible bonds, that the investment adviser believes demonstrate the potential for appreciation and/or dividends. Although the fund focuses on investments in medium to larger capitalization companies, the fund's investments are not limited to a particular capitalization size. The fund may invest up to 15% of its assets, at the time of purchase, in securities of issuers domiciled outside the United States, including, to a more limited extent, in emerging markets. The fund is designed for investors seeking both capital appreciation and income.

Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.

The fund may also hold cash or money market instruments, including commercial paper and short-term securities issued by the U.S. government, its agencies and instrumentalities. The percentage of the fund invested in such holdings varies and depends on various

factors, including market conditions and purchases and redemptions of fund shares. The investment adviser may determine that it is appropriate to invest a substantial portion of the fund's assets in such instruments in response to certain circumstances, such as periods of market turmoil. In addition, for temporary defensive purposes, the fund may invest without limitation in such instruments. A larger amount of such holdings could moderate a fund's investment results in a period of rising market prices. Alternatively, a larger percentage of such holdings could reduce the magnitude of a fund's loss in a period of falling market prices and provide liquidity to make additional investments or to meet redemptions.

The fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment adviser or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the fund's investment adviser and its affiliates and other funds, investment vehicles and accounts managed by the fund's investment adviser and its affiliates. When investing in Central Funds, the fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portions of the fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

The following are principal risks associated with the fund's investment strategies.

*Market conditions* – The prices of, and the income generated by, the common stocks and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

Economies and financial markets throughout the world are increasingly interconnected. Economic, financial or political events, trading and tariff arrangements, wars, terrorism, cybersecurity events, natural disasters and other circumstances in one country or region could have profound impacts on global economies or markets. As a result, whether or not the fund invests in securities of issuers located in or with significant exposure to the countries affected, the value and liquidity of the fund's investments may be negatively affected by developments in other countries and regions.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

*Investing in income-oriented stocks* – The value of the fund's securities and income provided by the fund may be reduced by changes in the dividend policies of, and the capital resources available for dividend payments at, the companies in which the fund invests.

*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

The following are additional risks associated with investing in the fund.

*Investing in debt instruments* – The prices of, and the income generated by, bonds and other debt securities held by the fund may be affected by changing interest rates and by changes in the effective maturities and credit ratings of these securities.

Rising interest rates will generally cause the prices of bonds and other debt securities to fall. A general rise in interest rates may cause investors to sell debt securities on a large scale, which could also adversely affect the price and liquidity of debt securities and could also result in increased redemptions from the fund. Falling interest rates may cause an issuer to redeem, call or refinance a debt security before its stated maturity, which may result in the fund failing to recoup the full amount of its initial investment and having to reinvest the proceeds in lower yielding securities. Longer maturity debt securities generally have greater sensitivity to changes in interest rates and may be subject to greater price fluctuations than shorter maturity debt securities.

Bonds and other debt securities are also subject to credit risk, which is the possibility that the credit strength of an issuer or guarantor will weaken or be perceived to be weaker, and/or an issuer of a debt security will fail to make timely payments of principal or interest and the

security will go into default. A downgrade or default affecting any of the fund's securities could cause the value of the fund's shares to decrease. Lower quality debt securities generally have higher rates of interest and may be subject to greater price fluctuations than higher quality debt securities. Credit risk is gauged, in part, by the credit ratings of the debt securities in which the fund invests. However, ratings are only the opinions of the rating agencies issuing them and are not guarantees as to credit quality or an evaluation of market risk. The fund's investment adviser relies on its own credit analysts to research issuers and issues in seeking to assess credit and default risks.

*Exposure to country, region, industry or sector* – Subject to the fund's investment limitations, the fund may have significant exposure to a particular country, region, industry or sector. Such exposure may cause the fund to be more impacted by risks relating to and developments affecting the country, region, industry or sector, and thus its net asset value may be more volatile, than a fund without such levels of exposure. For example, if the fund has significant exposure in a particular country, then social, economic, regulatory or other issues that negatively affect that country may have a greater impact on the fund than on a fund that is more geographically diversified.

*Liquidity risk* – Certain fund holdings may be or become difficult or impossible to sell, particularly during times of market turmoil. Illiquidity may result from the lack of an active market for a holding, legal or contractual restrictions on resale, or the reduced number and capacity of market participants to make a market in such holding. Market prices for less liquid or illiquid holdings may be volatile, and reduced liquidity may have an adverse impact on the market price of such holdings. Additionally, the sale of less liquid or illiquid holdings may involve substantial delays (including delays in settlement) and additional costs and the fund may be unable to sell such holdings when necessary to meet its liquidity needs or may be forced to sell at a loss.

In addition to the principal investment strategies described above, the fund has other investment practices that are described in the statement of additional information, which includes a description of other risks related to the fund's principal investment strategies and other investment practices. The fund's investment results will depend on the ability of the fund's investment adviser to navigate the risks discussed above as well as those described in the statement of additional information.

**Fund comparative indexes** – The S&P 500 Index is a market capitalization-weighted index based on the results of approximately 500 widely held common stocks. This index is unmanaged, and its results include reinvested dividends and/or distributions but do not reflect the effect of sales charges, commissions, account fees, expenses or U.S. federal income taxes. The Lipper Growth and Income Funds Index is an equally weighted index of funds that combines a growth-of-earnings orientation and an income requirement for level and/or rising dividends. The results of the underlying funds in the index include the reinvestment of dividends and capital gain distributions, as well as brokerage commissions paid by the funds for portfolio transactions and other fund expenses, but do not reflect the effect of sales charges, account fees or U.S. federal income taxes.

**Asset Allocation Fund** The fund's investment objective is to provide high total return (including income and capital gains) consistent with preservation of capital over the long term. While it has no present intention to do so, the fund's board may change the fund's investment objective without shareholder approval upon 60 days' written notice to shareholders.

The fund invests in a diversified portfolio of common stocks and other equity securities, bonds and other intermediate and long-term debt securities, and money market instruments (debt securities maturing in one year or less). In seeking to pursue its investment objective, the fund varies its mix of equity securities, debt securities and money market instruments. Although the fund focuses on investments in medium to larger capitalization companies, the fund's investments are not limited to a particular capitalization size. Under normal market conditions, the fund's investment adviser expects (but is not required) to maintain an investment mix falling within the following ranges: 40%-80% in equity securities, 20%-50% in debt securities and 0%-40% in money market instruments and cash. As of December 31, 2018, the fund was approximately 59% invested in equity securities, 29% invested in debt securities and 12% invested in money market instruments and cash. The proportion of equities, debt and money market securities held by the fund varies with market conditions and the investment adviser's assessment of their relative attractiveness as investment opportunities.

The fund may invest up to 15% of its assets in common stocks and other equity securities of issuers domiciled outside the United States and up to 5% of its assets in debt securities of issuers domiciled outside the United States. In addition, the fund may invest up to 25% of its debt assets in lower quality debt securities (rated Ba1 or below and BB+ or below by Nationally Recognized Statistical Rating Organizations designated by the fund's investment adviser or unrated but determined to be of equivalent quality by the fund's investment adviser). Such securities are sometimes referred to as "junk bonds."

Investors in the fund should have a long-term perspective and be able to tolerate potentially sharp declines in value.

The fund may also invest in certain derivative instruments. A derivative is a financial contract, the value of which is based on the value of an underlying financial asset (such as a stock, bond or currency), a reference rate or a market index. The fund may invest in a derivative only if, in the opinion of the investment adviser, the expected risks and rewards of the proposed investment are consistent with the investment objectives and strategies of the fund as disclosed in this prospectus and in the fund's statement of additional information.

Among other derivative instrument types, the fund may invest in futures contracts and interest rate swaps in order to seek to manage the fund's sensitivity to interest rates. A futures contract is a standardized exchange-traded agreement to buy or sell a specific quantity of an underlying asset, rate or index at an agreed-upon price at a stipulated future date. An interest rate swap is an agreement between two parties to exchange or swap payments based on changes in one or more interest rates, one of which is typically fixed and the other of which is typically a floating rate based on a designated short-term interest rate, such as the London Interbank Offered Rate, a prime rate or other benchmark.

The fund may also hold cash or money market instruments, including commercial paper and short-term securities issued by the U.S. government, its agencies and instrumentalities. The percentage of the fund invested in such holdings varies and depends on various factors, including market conditions and purchases and redemptions of fund shares. The investment adviser may determine that it is appropriate to invest a substantial portion of the fund's assets in such instruments in response to certain circumstances, such as periods of

market turmoil. In addition, for temporary defensive purposes, the fund may invest without limitation in such instruments. A larger amount of such holdings could moderate a fund's investment results in a period of rising market prices. Alternatively, a larger percentage of such holdings could reduce the magnitude of a fund's loss in a period of falling market prices and provide liquidity to make additional investments or to meet redemptions.

The fund's daily cash balance may be invested in one or more money market or similar funds managed by the investment adviser or its affiliates ("Central Funds"). Shares of Central Funds are not offered to the public and are only purchased by the fund's investment adviser and its affiliates and other funds, investment vehicles and accounts managed by the fund's investment adviser and its affiliates. When investing in Central Funds, the fund bears its proportionate share of the expenses of the Central Funds in which it invests but does not bear additional management fees through its investment in such Central Funds. The investment results of the portions of the fund's assets invested in the Central Funds will be based upon the investment results of the Central Funds.

The following are principal risks associated with the fund's investment strategies.

*Market conditions* – The prices of, and the income generated by, the common stocks, bonds and other securities held by the fund may decline – sometimes rapidly or unpredictably – due to various factors, including events or conditions affecting the general economy or particular industries; overall market changes; local, regional or global political, social or economic instability; governmental, governmental agency or central bank responses to economic conditions; and currency exchange rate, interest rate and commodity price fluctuations.

Economies and financial markets throughout the world are increasingly interconnected. Economic, financial or political events, trading and tariff arrangements, wars, terrorism, cybersecurity events, natural disasters and other circumstances in one country or region could have profound impacts on global economies or markets. As a result, whether or not the fund invests in securities of issuers located in or with significant exposure to the countries affected, the value and liquidity of the fund's investments may be negatively affected by developments in other countries and regions.

*Issuer risks* – The prices of, and the income generated by, securities held by the fund may decline in response to various factors directly related to the issuers of such securities, including reduced demand for an issuer's goods or services, poor management performance, major litigation related to the issuer, changes in government regulations affecting the issuer or its competitive environment and strategic initiatives such as mergers, acquisitions or dispositions and the market response to any such initiatives.

*Investing in growth-oriented stocks* – Growth-oriented common stocks and other equity-type securities (such as preferred stocks, convertible preferred stocks and convertible bonds) may involve larger price swings and greater potential for loss than other types of investments.

*Investing in income-oriented stocks* – The value of the fund's securities and income provided by the fund may be reduced by changes in the dividend policies of, and the capital resources available for dividend payments at, the companies in which the fund invests.

*Investing in debt instruments* – The prices of, and the income generated by, bonds and other debt securities held by the fund may be affected by changing interest rates and by changes in the effective maturities and credit ratings of these securities.

Rising interest rates will generally cause the prices of bonds and other debt securities to fall. A general rise in interest rates may cause investors to sell debt securities on a large scale, which could also adversely affect the price and liquidity of debt securities and could also result in increased redemptions from the fund. Falling interest rates may cause an issuer to redeem, call or refinance a debt security before its stated maturity, which may result in the fund failing to recoup the full amount of its initial investment and having to reinvest the proceeds in lower yielding securities. Longer maturity debt securities generally have greater sensitivity to changes in interest rates and may be subject to greater price fluctuations than shorter maturity debt securities.

Bonds and other debt securities are also subject to credit risk, which is the possibility that the credit strength of an issuer or guarantor will weaken or be perceived to be weaker, and/or an issuer of a debt security will fail to make timely payments of principal or interest and the security will go into default. A downgrade or default affecting any of the fund's securities could cause the value of the fund's shares to decrease. Lower quality debt securities generally have higher rates of interest and may be subject to greater price fluctuations than higher quality debt securities. Credit risk is gauged, in part, by the credit ratings of the debt securities in which the fund invests. However, ratings are only the opinions of the rating agencies issuing them and are not guarantees as to credit quality or an evaluation of market risk. The fund's investment adviser relies on its own credit analysts to research issuers and issues in seeking to assess credit and default risks.

*Investing in lower rated debt instruments* – Lower rated bonds and other lower rated debt securities generally have higher rates of interest and involve greater risk of default or price declines due to changes in the issuer's creditworthiness than those of higher quality debt securities. The market prices of these securities may fluctuate more than the prices of higher quality debt securities and may decline significantly in periods of general economic difficulty. These risks may be increased with respect to investments in junk bonds.

*Investing in securities backed by the U.S. government* – Securities backed by the U.S. Treasury or the full faith and credit of the U.S. government are guaranteed only as to the timely payment of interest and principal when held to maturity. Accordingly, the current market values for these securities will fluctuate with changes in interest rates and the credit rating of the U.S. government. Securities issued by government-sponsored entities and federal agencies and instrumentalities that are not backed by the full faith and credit of the U.S. government are neither issued nor guaranteed by the U.S. government.

*Liquidity risk* – Certain fund holdings may be or become difficult or impossible to sell, particularly during times of market turmoil. Illiquidity may result from the lack of an active market for a holding, legal or contractual restrictions on resale, or the reduced number and capacity of market participants to make a market in such holding. Market prices for less liquid or illiquid holdings may be volatile, and reduced liquidity may have an adverse impact on the market price of such holdings. Additionally, the sale of less liquid or illiquid holdings may

involve substantial delays (including delays in settlement) and additional costs and the fund may be unable to sell such holdings when necessary to meet its liquidity needs or may be forced to sell at a loss.

*Investing outside the United States* – Securities of issuers domiciled outside the United States, or with significant operations or revenues outside the United States, may lose value because of adverse political, social, economic or market developments (including social instability, regional conflicts, terrorism and war) in the countries or regions in which the issuers operate or generate revenue. These securities may also lose value due to changes in foreign currency exchange rates against the U.S. dollar and/or currencies of other countries. Issuers of these securities may be more susceptible to actions of foreign governments, such as nationalization, currency blockage or the imposition of price controls or punitive taxes, each of which could adversely impact the value of these securities. Securities markets in certain countries may be more volatile and/or less liquid than those in the United States. Investments outside the United States may also be subject to different accounting practices and different regulatory, legal and reporting standards and practices, and may be more difficult to value, than those in the United States. In addition, the value of investments outside the United States may be reduced by foreign taxes, including foreign withholding taxes on interest and dividends. Further, there may be increased risks of delayed settlement of securities purchased or sold by the fund. The risks of investing outside the United States may be heightened in connection with investments in emerging markets.

*Asset allocation* – The fund's percentage allocation to equity securities, debt securities and money market instruments could cause the fund to underperform relative to relevant benchmarks and other funds with similar investment objectives.

*Management* – The investment adviser to the fund actively manages the fund's investments. Consequently, the fund is subject to the risk that the methods and analyses, including models, tools and data, employed by the investment adviser in this process may be flawed or incorrect and may not produce the desired results. This could cause the fund to lose value or its investment results to lag relevant benchmarks or other funds with similar objectives.

The following are additional risks associated with investing in the fund.

*Interest rate risk* – The values and liquidity of the securities held by the fund may be affected by changing interest rates. For example, the values of these securities may decline when interest rates rise and increase when interest rates fall. Longer maturity debt securities generally have greater sensitivity to changes in interest rates and may be subject to greater price fluctuations than shorter maturity debt securities. The fund may invest in variable and floating rate securities. When the fund holds variable or floating rate securities, a decrease in market interest rates will adversely affect the income received from such securities and the net asset value of the fund's shares. Although the values of such securities are generally less sensitive to interest rate changes than those of other debt securities, the value of variable and floating rate securities may decline if their interest rates do not rise as quickly, or as much, as market interest rates. Conversely, floating rate securities will not generally increase in value if interest rates decline. During periods of extremely low short-term interest rates, the fund may not be able to maintain a positive yield and, given the current low interest rate environment, risks associated with rising rates are currently heightened.

*Investing in derivatives* – The use of derivatives involves a variety of risks, which may be different from, or greater than, the risks associated with investing in traditional securities, such as stocks and bonds. Changes in the value of a derivative may not correlate perfectly with, and may be more sensitive to market events than, the underlying asset, rate or index, and a derivative instrument may expose the fund to losses in excess of its initial investment. Derivatives may be difficult to value, difficult for the fund to buy or sell at an opportune time or price and difficult to terminate or otherwise offset. The fund's use of derivatives may result in losses to the fund, and investing in derivatives may reduce the fund's returns and increase the fund's price volatility. The fund's counterparty to a derivative transaction (including, if applicable, the fund's clearing broker, the derivatives exchange or the clearinghouse) may be unable or unwilling to honor its financial obligations in respect of the transaction.

*Investing in futures contracts* – In addition to the risks generally associated with investing in derivative instruments, futures contracts are subject to the creditworthiness of the clearing organizations, exchanges and futures commission merchants with which the fund transacts. Additionally, although futures require only a small initial investment in the form of a deposit of initial margin, the amount of a potential loss on a futures contract could greatly exceed the initial amount invested. While futures contracts are generally liquid instruments, under certain market conditions futures may be deemed to be illiquid. For example, the fund may be temporarily prohibited from closing out its position in a futures contract if intraday price change limits or limits on trading volume imposed by the applicable futures exchange are triggered. If the fund is unable to close out a position on a futures contract, the fund would remain subject to the risk of adverse price movements until the fund is able to close out the futures position. The ability of the fund to successfully utilize futures contracts may depend in part upon the ability of the fund's investment adviser to accurately forecast interest rates and other economic factors and to assess and predict the impact of such economic factors on the futures in which the fund invests. If the investment adviser incorrectly forecasts economic developments or incorrectly predicts the impact of such developments on the futures in which it invests, the fund could be exposed to the risk of loss.

*Investing in swaps* – Swaps, including interest rate swaps and credit default swap indices, or CDX, are subject to many of the risks generally associated with investing in derivative instruments. Additionally, although swaps require no or only a small initial investment in the form of a deposit of initial margin, the amount of a potential loss on a swap contract could greatly exceed the initial amount invested. The use of swaps involves the risk that the investment adviser will not accurately predict anticipated changes in interest rates or other economic factors, which may result in losses to the fund. If the fund enters into a bilaterally negotiated swap transaction, the counterparty may fail to perform in accordance with the terms of the swap agreement. If a counterparty defaults on its obligations under a swap agreement, the fund may lose any amount it expected to receive from the counterparty, potentially including amounts in excess of the fund's initial investment. Certain swap transactions are subject to mandatory central clearing or may be eligible for voluntary central clearing. Although clearing interposes a central clearinghouse as the ultimate counterparty to each participant's swap, central clearing will not eliminate (but

may decrease) counterparty risk relative to uncleared bilateral swaps. Some swaps, such as CDX, may be dependent on both the individual credit of the fund's counterparty and on the credit of one or more issuers of any underlying assets. If the fund does not correctly evaluate the creditworthiness of its counterparty and, where applicable, of issuers of any underlying reference assets, the fund's investment in a swap may result in losses to the fund.

*Exposure to country, region, industry or sector* – Subject to the fund's investment limitations, the fund may have significant exposure to a particular country, region, industry or sector. Such exposure may cause the fund to be more impacted by risks relating to and developments affecting the country, region, industry or sector, and thus its net asset value may be more volatile, than a fund without such levels of exposure. For example, if the fund has significant exposure in a particular country, then social, economic, regulatory or other issues that negatively affect that country may have a greater impact on the fund than on a fund that is more geographically diversified.

In addition to the principal investment strategies described above, the fund has other investment practices that are described in the statement of additional information, which includes a description of other risks related to the fund's principal investment strategies and other investment practices. The fund's investment results will depend on the ability of the fund's investment adviser to navigate the risks discussed above as well as those described in the statement of additional information.

**Fund comparative indexes** – The S&P 500 Index is a market capitalization-weighted index based on the results of approximately 500 widely held common stocks. This index is unmanaged, and its results include reinvested dividends and/or distributions but do not reflect the effect of sales charges, commissions, account fees, expenses or U.S. federal income taxes. The Bloomberg Barclays U.S. Aggregate Index represents the U.S. investment-grade fixed-rate bond market. This index is unmanaged, and its results include reinvested dividends and/or distributions but do not reflect the effect of sales charges, commissions, account fees, expenses or U.S. federal income taxes. The 60%/40% S&P 500 Index/Bloomberg Barclays Index blends the S&P 500 Index with the Bloomberg Barclays U.S. Aggregate Index by weighting their cumulative total returns at 60% and 40%, respectively. This assumes the blend is rebalanced monthly. The Lipper Balanced Funds Index is an equally weighted index of funds that seek to conserve principal by maintaining a balanced portfolio of both stocks and bonds. The results of the underlying funds in the index include the reinvestment of dividends and capital gain distributions, as well as brokerage commissions paid by the funds for portfolio transactions and other fund expenses, but do not reflect the effect of sales charges, account fees or U.S. federal income taxes.

## Management and organization

**Investment adviser** Capital Research and Management Company, an experienced investment management organization founded in 1931, serves as the investment adviser to the Series and other mutual funds, including the American Funds. Capital Research and Management Company is a wholly owned subsidiary of The Capital Group Companies, Inc. and is located at 333 South Hope Street, Los Angeles, California 90071. Capital Research and Management Company manages the investment portfolios and business affairs of the Series. The total management fee paid by each fund to its investment adviser for the most recent fiscal year, in each case expressed as a percentage of average net assets of that fund, appears in the Annual Fund Operating Expenses table for each fund. Please see the statement of additional information for further details. A discussion regarding the basis for the approval of the Series' Investment Advisory and Service Agreement by the Series' board of trustees is contained in the Series' annual report to shareholders for the fiscal year ended December 31, 2018.

Capital Research and Management Company manages equity assets through three equity investment divisions and fixed income assets through its fixed income investment division, Capital Fixed Income Investors. The three equity investment divisions – Capital International Investors, Capital Research Global Investors and Capital World Investors – make investment decisions independently of one another.

The equity investment divisions may, in the future, be incorporated as wholly owned subsidiaries of Capital Research and Management Company. In that event, Capital Research and Management Company would continue to be the investment adviser, and day-to-day investment management of equity assets would continue to be carried out through one or more of these subsidiaries. Although not currently contemplated, Capital Research and Management Company could incorporate its fixed income investment division in the future and engage it to provide day-to-day investment management of fixed income assets. Capital Research and Management Company and each of the funds it advises have received an exemptive order from the U.S. Securities and Exchange Commission that allows Capital Research and Management Company to use, upon approval of the funds' boards, its management subsidiaries and affiliates to provide day-to-day investment management services to the funds, including making changes to the management subsidiaries and affiliates providing such services. The Series' shareholders approved this arrangement; however, there is no assurance that Capital Research and Management Company will incorporate its investment divisions or exercise any authority granted to it under the exemptive order.

In addition, shareholders of the Series have approved a proposal to reorganize the Series into a Delaware statutory trust. However, the Series reserved the right to delay implementing the reorganization and has elected to do so.

**Portfolio holdings** A description of the funds' policies and procedures regarding disclosure of information about their portfolio holdings is available in the statement of additional information.

**The Capital System<sup>SM</sup>** Capital Research and Management Company uses a system of multiple portfolio managers in managing mutual fund assets. Under this approach, the portfolio of a fund is divided into segments managed by individual managers who decide how their respective segments will be invested, and, for certain funds, individual managers may allocate a portion of their segment of the fund to fixed income managers in the fund. In addition to the portfolio managers below, Capital Research and Management Company's investment analysts may make investment decisions with respect to a portion of a fund's portfolio. Investment decisions are subject to a fund's objective(s), policies and restrictions and the oversight of the appropriate investment-related committees of Capital Research and Management Company and its investment divisions.

Certain senior members of Capital Fixed Income Investors, the investment adviser's fixed income investment division, serve on the Portfolio Strategy Group. The group utilizes a research-driven process with input from the investment adviser's analysts, portfolio managers and economists to define investment themes on a range of macroeconomic factors, including duration, yield curve and sector allocation. Where applicable, the investment decisions made by a fund's fixed income portfolio managers are informed by the investment themes discussed by the group.

The primary individual portfolio managers for each of the funds are:

Portfolio manager for the Series/Title (if applicable)	Primary title with investment adviser (or affiliate) and investment experience	Portfolio manager's role in management of, and experience in, the fund(s)
<b>Donald D. O'Neal</b> Co-President and Trustee	Partner – Capital International Investors Investment professional for 34 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth-Income Fund – 14 years
<b>Alan N. Berro</b> Co-President	Partner – Capital World Investors Investment professional for 33 years in total; 28 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Asset Allocation Fund – 19 years
<b>Carl M. Kawaja</b> Vice President	Partner – Capital World Investors Investment professional for 32 years in total; 28 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: New World Fund – 20 years
<b>Sung Lee</b> Vice President	Partner – Capital Research Global Investors Investment professional for 25 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: International Fund – 13 years International Growth and Income Fund – 11 years
<b>S. Keiko McKibben</b> Vice President	Partner – Capital Research Global Investors Investment professional for 25 years in total; 21 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth-Income Fund – 5 years (plus 10 years of prior experience as an investment analyst for the fund)
<b>Renaud H. Samyn</b> Vice President	Partner – Capital Research Global Investors Investment professional for 18 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: International Fund – 5 years (plus 5 years of prior experience as an investment analyst for the fund)



Portfolio manager for the Series/Title (if applicable)	Primary title with investment adviser (or affiliate) and investment experience	Portfolio manager's role in management of, and experience in, the fund(s)
<b>Dylan Yolles</b> Vice President	Partner – Capital International Investors Investment professional for 22 years in total; 19 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth-Income Fund – 14 years (plus 5 years of prior experience as an investment analyst for the fund)
<b>Hilda L. Applbaum</b>	Partner – Capital World Investors Investment professional for 32 years in total; 24 years with Capital Research and Management Company or affiliate	Serves as an equity/fixed income portfolio manager for: Global Balanced Fund – 8 years
<b>Pramod Atluri</b>	Vice President – Capital Fixed Income Investors Investment professional for 21 years in total; 3 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Bond Fund – 3 years
<b>Steven G. Backes</b>	Partner – Capital Fixed Income Investors Investment professional for 25 years in total; 13 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: New World Fund – Less than 1 year (plus 9 years of prior experience as an investment analyst for the fund)
<b>L. Alfonso Barroso</b>	Partner – Capital Research Global Investors Investment professional for 25 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: International Fund – 10 years
<b>David J. Betanzos</b>	Partner – Capital Fixed Income Investors Investment professional for 19 years in total; 17 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Capital Income Builder – 5 years Mortgage Fund – 5 years U.S. Government/AAA-Rated Securities Fund – 4 years
<b>Christopher D. Buchbinder</b>	Partner – Capital Research Global Investors Investment professional for 24 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Blue Chip Income and Growth Fund – 12 years
<b>Mark L. Casey</b>	Partner – Capital International Investors Investment professional for 19 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth Fund – 2 years (plus 11 years of prior experience as an investment analyst for the fund)
<b>Tom Chow</b>	Vice President – Capital Fixed Income Investors Investment professional for 30 years in total; 4 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: High-Income Bond Fund – 4 years
<b>Michael Cohen</b>	Partner – Capital World Investors Investment professional for 28 years in total; 19 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Growth and Income Fund – 1 year
<b>Patrice Collette</b>	Partner – Capital World Investors Investment professional for 25 years in total; 19 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Growth Fund – 4 years (plus 14 years of prior experience as an investment analyst for the fund)
<b>Andrew A. Cormack</b>	Vice President – Capital Fixed Income Investors Investment professional for 15 years in total; 1 year with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Global Bond Fund – Less than 1 year
<b>David A. Daigle</b>	Partner – Capital Fixed Income Investors Investment professional for 25 years, all with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Asset Allocation Fund – 10 years Global Bond Fund – 4 years High-Income Bond Fund – 10 years (plus 9 years of prior experience as an investment analyst for the fund)
<b>Gerald Du Manoir</b>	Partner – Capital International Investors Investment professional for 29 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Capital Income Builder – 2 years
<b>Peter Eliot</b>	Partner – Capital International Investors Investment professional for 24 years in total; 15 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Asset Allocation Fund – 3 years
<b>Paul Flynn</b>	Partner – Capital World Investors Investment professional for 23 years in total; 21 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Growth Fund – 2 years Global Balanced Fund – 6 years
<b>J. Blair Frank</b>	Partner – Capital Research Global Investors Investment professional for 26 years in total; 25 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth-Income Fund – 13 years
<b>Bradford F. Freer</b>	Partner – Capital Research Global Investors Investment professional for 27 years in total; 25 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Small Capitalization Fund – 1 year New World Fund – 2 years (plus 13 years of prior experience as an investment analyst for the fund) Global Growth and Income Fund – 5 years (plus 6 years of prior experience as an investment analyst for the fund)
<b>Nicholas J. Grace</b>	Partner – Capital Research Global Investors Investment professional for 29 years in total; 25 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: New World Fund – 7 years (plus 8 years of prior experience as an investment analyst for the fund) Global Growth and Income Fund – 3 years

Portfolio manager for the Series/Title (if applicable)	Primary title with investment adviser (or affiliate) and investment experience	Portfolio manager's role in management of, and experience in, the fund(s)
<b>David A. Hoag</b>	Partner – Capital Fixed Income Investors Investment professional for 31 years in total; 28 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Bond Fund – 12 years
<b>Thomas H. Høgh</b>	Partner – Capital Fixed Income Investors Investment professional for 32 years in total; 29 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Global Balanced Fund – Less than 1 year Global Bond Fund – 13 years
<b>Claudia P. Huntington</b>	Partner – Capital Research Global Investors Investment professional for 46 years in total; 44 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Small Capitalization Fund – 6 years Growth-Income Fund – 25 years (plus 5 years of prior experience as an investment analyst for the fund)
<b>Michael T. Kerr</b>	Partner – Capital International Investors Investment professional for 36 years in total; 34 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth Fund – 14 years
<b>Jonathan Knowles</b>	Partner – Capital World Investors Investment professional for 27 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Growth Fund – 6 years (plus 10 years of prior experience as an investment analyst for the fund)
<b>Harold H. La</b>	Partner – Capital Research Global Investors Investment professional for 21 years in total; 20 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Small Capitalization Fund – 11 years (plus 4 years of prior experience as an investment analyst for the fund)
<b>Jeffrey T. Lager</b>	Partner – Capital International Investors Investment professional for 24 years in total; 23 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Asset Allocation Fund – 12 years
<b>Jin Lee</b>	Partner – Capital World Investors Investment professional for 23 years in total; 22 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Asset Allocation Fund – 1 year
<b>Steven D. Lotwin</b>	Partner – Capital Fixed Income Investors Investment professional for 18 years, all with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Ultra-Short Bond Fund – 1 year
<b>James B. Lovelace</b>	Partner – Capital Research Global Investors Investment professional for 37 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Blue Chip Income and Growth Fund – 12 years
<b>Jesper Lyckeus</b>	Partner – Capital Research Global Investors Investment professional for 24 years in total; 23 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: International Fund – 12 years (plus 8 years of prior experience as an investment analyst for the fund) International Growth and Income Fund – 11 years
<b>Fergus N. MacDonald</b>	Partner – Capital Fixed Income Investors Investment professional for 27 years in total; 16 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Mortgage Fund – 8 years U.S. Government/AAA-Rated Securities Fund – 9 years
<b>James R. Mulally</b>	Partner – Capital Fixed Income Investors Investment professional for 43 years in total; 39 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Asset Allocation Fund – 13 years
<b>Robert H. Neithart</b>	Partner – Capital Fixed Income Investors Investment professional for 32 years, all with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Global Balanced Fund – 8 years Global Bond Fund – 6 years
<b>Aidan O'Connell</b>	Partner – Capital Research Global Investors Investment professional for 21 years in total; 15 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Small Capitalization Fund – 5 years (plus 9 years of prior experience as an investment analyst for the fund)
<b>Anne-Marie Peterson</b>	Partner – Capital World Investors Investment professional for 25 years in total; 14 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth Fund – 1 year (plus 11 years of prior experience as an investment analyst for the fund)
<b>John R. Queen</b>	Partner – Capital Fixed Income Investors Investment professional for 28 years in total; 16 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: Asset Allocation Fund – 3 years
<b>Andraz Razen</b>	Partner – Capital World Investors Investment professional for 21 years in total; 15 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth Fund – 6 years (plus 3 years of prior experience as an investment analyst for the fund)
<b>David M. Riley</b>	Partner – Capital Research Global Investors Investment professional for 25 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: International Growth and Income Fund – 11 years
<b>William L. Robbins</b>	Partner – Capital International Investors Investment professional for 27 years in total; 24 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth-Income Fund – 7 years (plus 12 years of prior experience as an investment analyst for the fund)

Portfolio manager for the Series/Title (if applicable)	Primary title with investment adviser (or affiliate) and investment experience	Portfolio manager's role in management of, and experience in, the fund(s)
<b>Anirudh Samsi</b>	Partner – Capital World Investors Investment professional for 23 years in total; 14 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Balanced Fund – 1 year
<b>Alex Sheynkman</b>	Partner – Capital Research Global Investors Investment professional for 22 years in total; 19 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Blue Chip Income and Growth Fund – 1 year
<b>Lawrence R. Solomon</b>	Partner – Capital Research Global Investors Investment professional for 35 years in total; 34 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Blue Chip Income and Growth Fund – 1 year
<b>Andrew B. Suzman</b>	Partner – Capital World Investors Investment professional for 26 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Growth and Income Fund – 10 years
<b>Tomonori Tani</b>	Partner – Capital World Investors Investment professional for 18 years in total; 15 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: New World Fund – 1 year Global Balanced Fund – 2 years
<b>James Terrile</b>	Partner – Capital Research Global Investors Investment professional for 24 years in total; 23 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Blue Chip Income and Growth Fund – 7 years
<b>Christopher Thomsen</b>	Partner – Capital Research Global Investors Investment professional for 22 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: International Fund – 13 years
<b>Tara L. Torrens</b>	Partner – Capital Fixed Income Investors Investment professional for 16 years, all with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: High-Income Bond Fund – 1 year
<b>Ritchie Tuazon</b>	Partner – Capital Fixed Income Investors Investment professional for 19 years in total; 8 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: U.S. Government/AAA-Rated Securities Fund – 4 years
<b>Shannon Ward</b>	Vice President – Capital Fixed Income Investors Investment professional for 27 years in total; 2 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: High-Income Bond Fund – 2 years
<b>Steven T. Watson</b>	Partner – Capital International Investors Investment professional for 32 years in total; 29 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Capital Income Builder – 1 year
<b>Gregory W. Wendt</b>	Partner – Capital Research Global Investors Investment professional for 32 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Global Small Capitalization Fund – 7 years (plus 14 years of prior experience as an investment analyst for the fund)
<b>Alan J. Wilson</b>	Partner – Capital World Investors Investment professional for 34 years in total; 28 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth Fund – 5 years
<b>Philip Winston</b>	Partner – Capital International Investors Investment professional for 34 years in total; 22 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Capital Income Builder – 5 years

Information regarding the portfolio managers' compensation, their ownership of securities in the Series and other accounts they manage is in the statement of additional information.

**Purchases and redemptions of shares** Shares of the Series are currently offered only to insurance company separate accounts as well as so-called “feeder funds” under master-feeder arrangements sponsored by insurance companies as underlying investments for such insurance companies’ variable annuity contracts and variable life insurance policies. All such shares may be purchased or redeemed by the insurance company separate accounts (or feeder funds) at net asset value without any sales or redemption charges. These purchases and redemptions are made at the price next determined after such purchases and redemptions of units of the separate accounts (or feeder funds). The Series typically expects to remit redemption proceeds one business day following receipt and acceptance of a redemption order, regardless of the method the Series uses to make such payment (e.g., check, wire or automated clearing house transfer). However, payment may take longer than one business day and may take up to seven days as generally permitted by the Investment Company Act of 1940, as amended (“1940 Act”). Under the 1940 Act, the Series may be permitted to pay redemption proceeds beyond seven days under certain limited circumstances.

Under normal conditions, the Series typically expects to meet shareholder redemptions by monitoring the Series’ portfolio and redemption activities and by regularly holding a reserve of highly liquid assets, such as cash or cash equivalents. The Series may use additional methods to meet shareholder redemptions, if they become necessary. These methods may include, but are not limited to, the sale of portfolio assets, the use of overdraft protection afforded by the Series’ custodian bank, borrowing from a line of credit and making payment with fund securities or other fund assets rather than in cash (as further discussed in the following paragraph).

Although payment of redemptions normally will be in cash, the Series may pay the redemption price wholly or partly with portfolio securities or other fund assets under conditions and circumstances determined by the Series’ board of trustees. On the same redemption date, some shareholders may be paid in whole or in part in securities (which may differ among those shareholders), while other shareholders may be paid entirely in cash. In general, in-kind redemptions to affiliated shareholders will as closely as practicable represent the affiliated shareholder’s pro rata share of the Series’ securities, subject to certain exceptions. Securities distributed in-kind to unaffiliated shareholders will be selected by the investment adviser in a manner the investment adviser deems to be fair and reasonable to the Series’ shareholders. The disposal of the securities received in-kind may be subject to brokerage costs and, until sold, such securities remain at market risk and liquidity risk, including the risk that such securities are or become difficult to sell. If the Series pays your redemption with illiquid or less liquid securities, you will bear the risk of not being able to sell such securities.

**Frequent trading of fund shares** The Series and American Funds Distributors, Inc., the Series' distributor, reserve the right to reject any purchase order for any reason. The funds are not designed to serve as vehicles for frequent trading. Frequent trading of fund shares may lead to increased costs to the funds and less efficient management of the funds' portfolios, potentially resulting in dilution of the value of the shares held by long-term shareholders. Accordingly, purchases, including those that are part of exchange activity, that the Series or American Funds Distributors has determined could involve actual or potential harm to a fund may be rejected.

The Series, through its transfer agent, American Funds Service Company, has agreements with the Series' insurance relationships to maintain its surveillance procedures that are designed to detect frequent trading in fund shares. The agreements generally require the insurance companies to (i) provide, upon request from a fund, the Series or their agent, certain identifying and account information regarding contract owners who invest in fund shares through an insurance company account and (ii) execute instructions from a fund, the Series or their agent to restrict further purchases or exchanges of fund shares by a contract owner who the Series has identified as having engaged in potentially harmful market timing or frequent trading. Under these procedures, various analytics are used to evaluate factors that may be indicative of frequent trading. For example, transactions in fund shares that exceed certain monetary thresholds may be scrutinized. American Funds Service Company may work with the insurance company separate accounts or feeder funds to apply their procedures that American Funds Service Company believes are reasonably designed to enforce the frequent trading policies of the Series. You should refer to disclosures provided by the insurance company with which you have a contract to determine the specific trading restrictions that apply to you.

Under its procedures, American Funds Service Company also may review transactions that occur close in time to other transactions in the same account or in multiple accounts under common ownership or influence. Trading activity that is identified through these procedures or as a result of any other information available to the funds will be evaluated to determine whether such activity might constitute frequent trading. These procedures may be modified from time to time as appropriate to improve the detection of frequent trading, to facilitate monitoring for frequent trading in particular retirement plans or other accounts and to comply with applicable laws.

In addition to the Series' broad ability to restrict potentially harmful trading as described previously, the Series' board of trustees has adopted a "purchase blocking policy" under which any contract owner redeeming units representing a beneficial interest in any fund other than Ultra-Short Bond Fund (including redemptions that are part of an exchange transaction) having a value of \$5,000 or more will be precluded from investing units of beneficial interest in that fund (including investments that are part of an exchange transaction) for 30 calendar days after the redemption transaction. Under this purchase blocking policy, certain purchases will not be prevented and certain redemptions will not trigger a purchase block, such as:

- purchases and redemptions of units representing a beneficial interest in a fund having a value of less than \$5,000;
- retirement plan contributions, loans and distributions (including hardship withdrawals) identified as such on the retirement plan recordkeeper's system;
- purchases and redemptions in community foundation accounts;
- purchase transactions involving in-kind transfers of fund shares, if the entity maintaining the contract owner's account is able to identify the transaction as one of these types of transactions; and
- systematic redemptions and purchases if the entity maintaining the contract owner's account is able to identify the transaction as a systematic redemption or purchase.

Generally, purchases and redemptions will not be considered "systematic" unless the transaction is prescheduled for a specific date.

The Series reserves the right to waive the purchase blocking policy if American Funds Service Company determines that its surveillance procedures are adequate to detect frequent trading in fund shares in such accounts.

If American Funds Service Company identifies any activity that may constitute frequent trading, it reserves the right to contact the insurance company separate account or feeder fund and request that the separate account or feeder fund either provide information regarding an account owner's transactions or restrict the account owner's trading. If American Funds Service Company is not satisfied that insurance company separate account or feeder fund has taken appropriate action, American Funds Service Company may terminate the separate account's or feeder fund's ability to transact in fund shares.

There is no guarantee that all instances of frequent trading in fund shares will be prevented.

**Notwithstanding the Series' surveillance procedures and purchase blocking policy described above, all transactions in fund shares remain subject to the right of the Series, American Funds Distributors and American Funds Service Company to restrict potentially abusive trading generally (including the types of transactions described above that will not be prevented or trigger a block under the purchase blocking policy). See the statement of additional information for more information about how American Funds Service Company may address other potentially abusive trading activity in the Series.**

**Valuing shares** The net asset value of each share class of a fund is the value of a single share of that class. Each fund calculates the net asset value each day the New York Stock Exchange is open for trading as of approximately 4 p.m. New York time, the normal close of regular trading. If, for example, the New York Stock Exchange closes at 1 p.m. New York time, the funds' net asset values would still be determined as of 4 p.m. New York time. In this example, portfolio securities traded on the New York Stock Exchange would be valued at their closing prices unless the investment adviser determines that a "fair value" adjustment is appropriate due to subsequent events.

Equity securities are valued primarily on the basis of market quotations, and debt securities are valued primarily on the basis of prices from third-party pricing services. Futures contracts are valued primarily on the basis of settlement prices. The funds have adopted procedures for making fair value determinations if market quotations or prices from third-party pricing services, as applicable, are not readily available or are not considered reliable. For example, if events occur between the close of markets outside the United States and the close of regular trading on the New York Stock Exchange that, in the opinion of the investment adviser, materially affect the value of any of the funds' equity securities that trade principally in those international markets, those securities will be valued in accordance with fair value procedures. Similarly, fair value procedures may be employed if an issuer defaults on its debt securities and there is no market for its securities. Use of these procedures is intended to result in more appropriate net asset values and, where applicable, to reduce potential arbitrage opportunities otherwise available to short-term investors.

Because certain of the funds may hold securities that are listed primarily on foreign exchanges that trade on weekends or days when the funds do not price their shares, the values of securities held in the funds may change on days when you will not be able to purchase or redeem fund shares.

Shares of the funds will be purchased or sold at the net asset value next determined after receipt of requests from the appropriate insurance company. Requests received by the appropriate insurance company prior to 4 p.m. New York time and communicated by the insurance company to the Series or its agent will be purchased or sold at that day's net asset value.

**Plan of distribution** The Series has not adopted (and does not presently intend to adopt) a plan of distribution or "12b-1 plan" for Class 1 shares.

**Other compensation to dealers** American Funds Distributors, at its expense, provides additional compensation to insurance companies. These payments may be made, at the discretion of American Funds Distributors, to insurance companies (or their affiliates) that have sold shares of the funds of the American Funds Insurance Series and American Funds as the exclusive underlying investments to their variable contracts. A number of factors will be considered in determining payments, including the sales, assets, and the quality of the company's relationship with American Funds Distributors. The payment will be determined using a formula applied consistently to insurance companies based on the relevant facts and circumstances. The level of payments made to a qualifying firm in any given year will vary and (excluding payments for meetings as described below) will represent the sum of (a) up to .14% of the current year's American Funds Insurance Series new deposits in the contracts, (b) up to .07% of the current and previous year's American Funds Insurance Series new deposits in the contracts, and (c) up to .0084% of American Funds Insurance Series assets attributable to the contracts, with an adjustment made for the quality of the company's relationship with American Funds Distributors. Aggregate payments made by American Funds Distributors to insurance companies may also change from year to year. Only assets and deposits in variable annuity contracts that offer exclusively shares of the American Funds Insurance Series and American Funds are included in the formula. Further, assets for which the insurance company, or an affiliated broker-dealer, acts as an ERISA investment fiduciary are generally excluded from the formula. American Funds Distributors makes these payments to help defray the costs incurred by qualifying insurance companies in connection with efforts to educate its sales force about the American Funds Insurance Series so that they help financial advisers make recommendations and provide services that are suitable and meet contractholders needs. These payments may also be made to help defray the costs associated with the insurance company's provision of account related services and activities. American Funds Distributors will, on an annual basis, determine the advisability of continuing these payments.

Firms receiving additional compensation payments must sign a letter acknowledging the purpose of the payment and American Funds Distributors' goal that the payment will help facilitate education of the firm's sales force about the American Funds Insurance Series and American Funds to help advisors make suitable recommendations and better serve their clients who invest in the funds as underlying investments to variable contracts. The letters generally require the firms to (1) have significant assets invested in the American Funds, (2) provide American Funds Distributors broad access to their sales force and product platforms and develop a business plan to achieve such access, and (3) agree to maintain American Funds within their existing products.

American Funds Distributors may also pay expenses associated with meetings and other training and educational opportunities conducted by insurance companies, selling dealers, advisory platform providers and other intermediaries to facilitate educating financial advisors and shareholders about the American Funds. For example, some of these expenses may include, but not be limited to, meeting sponsor fees, meeting location fees, and fees to obtain lists of financial advisors to better tailor training and education opportunities.

If investment advisers, distributors or other affiliates of mutual funds pay additional compensation or other incentives to insurance companies in differing amounts, insurance companies and the advisors with which they interact may have financial incentives for recommending a particular mutual fund over other mutual funds or investments. You should consult with your financial advisor and review carefully any disclosure by your financial advisor's firm as to compensation received.

**Fund expenses** In periods of market volatility, assets of the funds may decline significantly, causing total annual fund operating expenses (as a percentage of the value of your investment) to become higher than the numbers shown in the Annual Fund Operating Expenses tables in this prospectus.

The “Other expenses” items in the Annual Fund Operating Expenses tables in this prospectus are based on expenses as of each fund’s most recently completed fiscal year. These items include third-party expenses, such as custodial, legal, audit, accounting, regulatory reporting and pricing vendor services, and an administrative services fee payable to the Series’ investment adviser for administrative services provided by the Series’ investment adviser and its affiliates.

For all share classes, “Other expenses” items in the Annual Fund Operating Expenses table in this prospectus include fees for administrative services provided by the fund’s investment adviser and its affiliates. Administrative services are provided by the investment adviser and its affiliates to help assist third parties providing non-distribution services to fund shareholders. These services include providing in-depth information on the fund and market developments that impact fund investments. Administrative services also include, but are not limited to, coordinating, monitoring, assisting and overseeing third parties that provide services to fund shareholders.

The Administrative Services Agreement between the fund and the investment adviser provides the fund the ability to charge an administrative services fee of .05% for all share classes. The fund’s investment adviser currently receives an administrative services fee at the annual rate of .01% of the average daily net assets of the fund attributable to all share classes (which could be increased as noted above).

**Investment results** All fund results in the “Investment results” section of this prospectus reflect the reinvestment of dividends and capital gains distributions, if any. Unless otherwise noted, fund results reflect any fee waivers and/or expense reimbursements in effect during the period presented.

**Distributions and taxes** Each fund of the Series intends to qualify as a “regulated investment company” under the Internal Revenue Code. In any fiscal year in which a fund so qualifies and distributes to shareholders its investment company taxable income and net realized capital gain, the fund itself is relieved of federal income tax.

It is the Series’ policy to distribute to the shareholders (the insurance company separate accounts) all of its investment company taxable income and capital gain for each fiscal year.

**See the applicable contract prospectus for information regarding the federal income tax treatment of the contracts and distributions to the separate accounts.**

**Financial highlights** The Financial Highlights table is intended to help you understand a fund's results for the past five fiscal years. For Ultra-Short Bond Fund, the table includes information for periods prior to the fund's conversion on May 1, 2016 from a cash management fund to an ultra-short-term bond fund. Certain information reflects financial results for a single share of a particular class. The total returns in the table represent the rate that an investor would have earned or lost on an investment in a fund (assuming reinvestment of all dividends and capital gain distributions). The information in the Financial Highlights table has been audited by PricewaterhouseCoopers LLP, whose current report, along with the funds' financial statements, is included in the statement of additional information, which is available upon request. Figures shown do not reflect insurance contract fees and expenses. If insurance contract fees and expenses were reflected, results would be lower.

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
Global Growth Fund												
Class 1:												
12/31/2018	\$30.51	\$ .29	\$(2.65)	\$(2.36)	\$(.28)	\$(2.13)	\$(2.41)	\$25.74	(8.81)%	\$1,942	.55%	.98%
12/31/2017	24.05	.26	7.30	7.56	(.26)	(.84)	(1.10)	30.51	31.80	2,010	.55	.94
12/31/2016	26.39	.25	(.14)	.11	(.29)	(2.16)	(2.45)	24.05	.87	1,630	.56	1.00
12/31/2015	27.48	.25	1.80	2.05	(.35)	(2.79)	(3.14)	26.39	7.24	1,626	.55	.90
12/31/2014	30.11	.31 <sup>2</sup>	.40	.71	(.40)	(2.94)	(3.34)	27.48	2.52	1,558	.55	1.08 <sup>2</sup>
Class 1A:												
12/31/2018	30.46	.23	(2.66)	(2.43)	(.21)	(2.13)	(2.34)	25.69	(9.02)	5	.80	.77
12/31/2017 <sup>3,4</sup>	24.50	.11	6.94	7.05	(.25)	(.84)	(1.09)	30.46	29.13 <sup>5</sup>	2	.80 <sup>6</sup>	.39 <sup>6</sup>
Class 2:												
12/31/2018	30.24	.22	(2.63)	(2.41)	(.20)	(2.13)	(2.33)	25.50	(9.04)	3,306	.80	.73
12/31/2017	23.85	.19	7.23	7.42	(.19)	(.84)	(1.03)	30.24	31.47	4,012	.80	.69
12/31/2016	26.19	.18	(.14)	.04	(.22)	(2.16)	(2.38)	23.85	.62	3,483	.81	.76
12/31/2015	27.30	.18	1.78	1.96	(.28)	(2.79)	(3.07)	26.19	6.94	3,817	.80	.66
12/31/2014	29.92	.24 <sup>2</sup>	.41	.65	(.33)	(2.94)	(3.27)	27.30	2.31	3,992	.80	.85 <sup>2</sup>
Class 4:												
12/31/2018	30.13	.14	(2.60)	(2.46)	(.15)	(2.13)	(2.28)	25.39	(9.24)	249	1.05	.47
12/31/2017	23.81	.10	7.22	7.32	(.16)	(.84)	(1.00)	30.13	31.11	211	1.05	.37
12/31/2016	26.16	.12	(.14)	(.02)	(.17)	(2.16)	(2.33)	23.81	.37	94	1.06	.50
12/31/2015	27.34	.09	1.81	1.90	(.29)	(2.79)	(3.08)	26.16	6.69	91	1.05	.34
12/31/2014	30.07	.07 <sup>2</sup>	.50	.57	(.36)	(2.94)	(3.30)	27.34	2.01	19	1.05	.26 <sup>2</sup>
Global Small Capitalization Fund												
Class 1:												
12/31/2018	\$25.38	\$ .11	\$(2.51)	\$(2.40)	\$(.09)	\$(1.14)	\$(1.23)	\$21.75	(10.31)%	\$1,453	.73%	.42%
12/31/2017	20.24	.12	5.17	5.29	(.15)	–	(.15)	25.38	26.22	1,639	.73	.54
12/31/2016	24.41	.12	.17	.29	(.11)	(4.35)	(4.46)	20.24	2.35	1,532	.74	.57
12/31/2015	26.09	.04	.36	.40	–	(2.08)	(2.08)	24.41	.50	1,706	.73	.15
12/31/2014	25.69	.09	.52	.61	(.09)	(.12)	(.21)	26.09	2.36	1,411	.74	.34
Class 1A:												
12/31/2018	25.36	.05	(2.52)	(2.47)	(.04)	(1.14)	(1.18)	21.71	(10.56)	– <sup>7</sup>	.98	.21
12/31/2017 <sup>3,4</sup>	20.70	.08	4.71	4.79	(.13)	–	(.13)	25.36	23.19 <sup>5</sup>	– <sup>7</sup>	.96 <sup>6</sup>	.35 <sup>6</sup>
Class 2:												
12/31/2018	24.72	.04	(2.44)	(2.40)	(.02)	(1.14)	(1.16)	21.16	(10.55)	2,056	.98	.17
12/31/2017	19.72	.06	5.04	5.10	(.10)	–	(.10)	24.72	25.89	2,551	.98	.27
12/31/2016	23.90	.07	.15	.22	(.05)	(4.35)	(4.40)	19.72	2.10	2,303	.99	.31
12/31/2015	25.64	(.03)	.37	.34	–	(2.08)	(2.08)	23.90	.27	2,492	.98	(.10)
12/31/2014	25.25	.03	.51	.54	(.03)	(.12)	(.15)	25.64	2.12	2,738	.99	.10
Class 4:												
12/31/2018	24.91	(.02)	(2.46)	(2.48)	(.01)	(1.14)	(1.15)	21.28	(10.80)	146	1.24	(.08)
12/31/2017	19.91	– <sup>8</sup>	5.09	5.09	(.09)	–	(.09)	24.91	25.62	125	1.23	– <sup>9</sup>
12/31/2016	24.11	.01	.16	.17	(.02)	(4.35)	(4.37)	19.91	1.85	42	1.24	.03
12/31/2015	25.92	(.10)	.37	.27	–	(2.08)	(2.08)	24.11	(.02)	34	1.23	(.37)
12/31/2014	25.57	(.05)	.54	.49	(.02)	(.12)	(.14)	25.92	1.88	12	1.24	(.17)



		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
Growth Fund												
Class 1:												
12/31/2018	\$77.85	\$.64	\$.25	\$.89	\$(.54)	\$(8.24)	\$(8.78)	\$69.96	(.01)%	\$8,474	.34%	.81%
12/31/2017	67.29	.55	17.89	18.44	(.55)	(7.33)	(7.88)	77.85	28.62	8,100	.35	.75
12/31/2016	68.02	.67	5.40	6.07	(.67)	(6.13)	(6.80)	67.29	9.77	6,931	.35	1.03
12/31/2015	80.15	.64	5.08	5.72	(.61)	(17.24)	(17.85)	68.02	7.12	6,796	.35	.87
12/31/2014	78.54	.88 <sup>2</sup>	5.79	6.67	(1.16)	(3.90)	(5.06)	80.15	8.78	7,118	.35	1.12 <sup>2</sup>
Class 1A:												
12/31/2018	77.74	.47	.24	.71	(.44)	(8.24)	(8.68)	69.77	(.26)	10	.59	.60
12/31/2017 <sup>3,4</sup>	68.84	.35	16.38	16.73	(.50)	(7.33)	(7.83)	77.74	25.47 <sup>5</sup>	3	.59 <sup>6</sup>	.47 <sup>6</sup>
Class 2:												
12/31/2018	77.35	.44	.27	.71	(.34)	(8.24)	(8.58)	69.48	(.25)	13,701	.59	.55
12/31/2017	66.92	.37	17.76	18.13	(.37)	(7.33)	(7.70)	77.35	28.28	15,716	.60	.50
12/31/2016	67.69	.51	5.36	5.87	(.51)	(6.13)	(6.64)	66.92	9.49	13,978	.60	.78
12/31/2015	79.84	.46	5.06	5.52	(.43)	(17.24)	(17.67)	67.69	6.86	14,414	.60	.62
12/31/2014	77.94	.68 <sup>2</sup>	5.75	6.43	(.63)	(3.90)	(4.53)	79.84	8.51	15,413	.60	.87 <sup>2</sup>
Class 3:												
12/31/2018	78.32	.50	.26	.76	(.40)	(8.24)	(8.64)	70.44	(.18)	187	.52	.62
12/31/2017	67.67	.42	17.98	18.40	(.42)	(7.33)	(7.75)	78.32	28.39	212	.53	.57
12/31/2016	68.37	.56	5.42	5.98	(.55)	(6.13)	(6.68)	67.67	9.56	183	.53	.85
12/31/2015	80.47	.51	5.11	5.62	(.48)	(17.24)	(17.72)	68.37	6.92	194	.53	.69
12/31/2014	78.62	.74 <sup>2</sup>	5.79	6.53	(.78)	(3.90)	(4.68)	80.47	8.58	208	.53	.94 <sup>2</sup>
Class 4:												
12/31/2018	76.56	.24	.28	.52	(.20)	(8.24)	(8.44)	68.64	(.50)	1,076	.84	.31
12/31/2017	66.41	.18	17.61	17.79	(.31)	(7.33)	(7.64)	76.56	27.99	954	.85	.25
12/31/2016	67.26	.34	5.32	5.66	(.38)	(6.13)	(6.51)	66.41	9.22	458	.85	.53
12/31/2015	79.74	.29	5.02	5.31	(.55)	(17.24)	(17.79)	67.26	6.59	394	.85	.42
12/31/2014	78.32	.37 <sup>2</sup>	5.87	6.24	(.92)	(3.90)	(4.82)	79.74	8.25	24	.85	.47 <sup>2</sup>
International Fund												
Class 1:												
12/31/2018	\$21.71	\$.34	\$(2.97)	\$(2.63)	\$(.40)	\$(1.02)	\$(1.42)	\$17.66	(12.94)%	\$4,811	.53%	1.62%
12/31/2017	16.82	.26	5.16	5.42	(.30)	(.23)	(.53)	21.71	32.46	5,014	.53	1.33
12/31/2016	18.08	.27	.30	.57	(.28)	(1.55)	(1.83)	16.82	3.78	3,652	.54	1.57
12/31/2015	20.35	.29	(1.03)	(.74)	(.35)	(1.18)	(1.53)	18.08	(4.25)	3,427	.54	1.41
12/31/2014	21.22	.30	(.81)	(.51)	(.36)	–	(.36)	20.35	(2.41)	3,282	.54	1.43
Class 1A:												
12/31/2018	21.67	.27	(2.93)	(2.66)	(.37)	(1.02)	(1.39)	17.62	(13.11)	5	.78	1.32
12/31/2017 <sup>3,4</sup>	17.17	.09	4.93	5.02	(.29)	(.23)	(.52)	21.67	29.46 <sup>5</sup>	2	.77 <sup>6</sup>	.43 <sup>6</sup>
Class 2:												
12/31/2018	21.63	.29	(2.95)	(2.66)	(.35)	(1.02)	(1.37)	17.60	(13.13)	3,875	.78	1.40
12/31/2017	16.76	.22	5.13	5.35	(.25)	(.23)	(.48)	21.63	32.14	4,422	.78	1.10
12/31/2016	18.02	.23	.30	.53	(.24)	(1.55)	(1.79)	16.76	3.53	3,710	.79	1.35
12/31/2015	20.29	.24	(1.03)	(.79)	(.30)	(1.18)	(1.48)	18.02	(4.53)	3,978	.79	1.17
12/31/2014	21.15	.25	(.81)	(.56)	(.30)	–	(.30)	20.29	(2.65)	4,374	.79	1.19
Class 3:												
12/31/2018	21.75	.31	(2.98)	(2.67)	(.36)	(1.02)	(1.38)	17.70	(13.10)	24	.71	1.48
12/31/2017	16.85	.23	5.17	5.40	(.27)	(.23)	(.50)	21.75	32.23	31	.71	1.17
12/31/2016	18.11	.24	.30	.54	(.25)	(1.55)	(1.80)	16.85	3.57	27	.72	1.42
12/31/2015	20.38	.25	(1.03)	(.78)	(.31)	(1.18)	(1.49)	18.11	(4.44)	32	.72	1.24
12/31/2014	21.24	.27	(.82)	(.55)	(.31)	–	(.31)	20.38	(2.56)	38	.72	1.28
Class 4:												
12/31/2018	21.42	.23	(2.93)	(2.70)	(.30)	(1.02)	(1.32)	17.40	(13.41)	295	1.03	1.13
12/31/2017	16.64	.11	5.16	5.27	(.26)	(.23)	(.49)	21.42	31.89	289	1.03	.55
12/31/2016	17.93	.18	.29	.47	(.21)	(1.55)	(1.76)	16.64	3.21	66	1.04	1.03
12/31/2015	20.23	.17	(1.00)	(.83)	(.29)	(1.18)	(1.47)	17.93	(4.75)	46	1.04	.88
12/31/2014	21.16	.07	(.68)	(.61)	(.32)	–	(.32)	20.23	(2.88)	18	1.04	.31

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
New World Fund												
Class 1:												
12/31/2018	\$25.30	\$.27	\$(3.65)	\$(3.38)	\$(.27)	\$(.67)	\$(.94)	\$20.98	(13.83)%	\$1,702	.77%	1.11%
12/31/2017	19.72	.26	5.59	5.85	(.27)	–	(.27)	25.30	29.73	2,050	.77	1.14
12/31/2016	18.87	.24	.81	1.05	(.20)	–	(.20)	19.72	5.59	1,743	.78	1.25
12/31/2015	20.72	.19	(.71)	(.52)	(.17)	(1.16)	(1.33)	18.87	(2.96)	1,562	.79	.92
12/31/2014	25.08	.29 <sup>2</sup>	(1.92)	(1.63)	(.29)	(2.44)	(2.73)	20.72	(7.63)	1,433	.78	1.23 <sup>2</sup>
Class 1A:												
12/31/2018	25.25	.21	(3.64)	(3.43)	(.23)	(.67)	(.90)	20.92	(14.02)	2	1.02	.91
12/31/2017 <sup>3,4</sup>	20.14	.13	5.24	5.37	(.26)	–	(.26)	25.25	26.72 <sup>5</sup>	1	1.00 <sup>6</sup>	.53 <sup>6</sup>
Class 2:												
12/31/2018	25.07	.20	(3.61)	(3.41)	(.20)	(.67)	(.87)	20.79	(14.04)	843	1.02	.85
12/31/2017	19.54	.20	5.55	5.75	(.22)	–	(.22)	25.07	29.44	1,055	1.02	.89
12/31/2016	18.71	.19	.79	.98	(.15)	–	(.15)	19.54	5.26	911	1.03	1.00
12/31/2015	20.54	.14	(.69)	(.55)	(.12)	(1.16)	(1.28)	18.71	(3.14)	961	1.04	.68
12/31/2014	24.88	.24 <sup>2</sup>	(1.91)	(1.67)	(.23)	(2.44)	(2.67)	20.54	(7.87)	1,084	1.03	1.01 <sup>2</sup>
Class 4:												
12/31/2018	24.99	.14	(3.59)	(3.45)	(.16)	(.67)	(.83)	20.71	(14.25)	464	1.27	.61
12/31/2017	19.51	.14	5.52	5.66	(.18)	–	(.18)	24.99	29.06	427	1.27	.61
12/31/2016	18.69	.14	.80	.94	(.12)	–	(.12)	19.51	5.04	240	1.28	.75
12/31/2015	20.56	.08	(.68)	(.60)	(.11)	(1.16)	(1.27)	18.69	(3.37)	171	1.29	.39
12/31/2014	24.99	.09 <sup>2</sup>	(1.83)	(1.74)	(.25)	(2.44)	(2.69)	20.56	(8.13)	64	1.28	.40 <sup>2</sup>
Blue Chip Income and Growth Fund												
Class 1:												
12/31/2018	\$14.96	\$.31	\$(1.44)	\$(1.13)	\$(.31)	\$(1.14)	\$(1.45)	\$12.38	(8.45)%	\$4,810	.41%	2.13%
12/31/2017	13.53	.32	1.96	2.28	(.32)	(.53)	(.85)	14.96	17.30	5,581	.41	2.27
12/31/2016	12.62	.31	1.97	2.28	(.29)	(1.08)	(1.37)	13.53	19.06	5,099	.41	2.39
12/31/2015	14.69	.31	(.64)	(.33)	(.29)	(1.45)	(1.74)	12.62	(2.72)	3,638	.41	2.23
12/31/2014	13.12	.46 <sup>2</sup>	1.59	2.05	(.48)	–	(.48)	14.69	15.69	3,542	.42	3.31 <sup>2</sup>
Class 1A:												
12/31/2018	14.94	.26	(1.42)	(1.16)	(.29)	(1.14)	(1.43)	12.35	(8.67)	3	.66	1.84
12/31/2017 <sup>3,4</sup>	13.75	.28	1.75	2.03	(.31)	(.53)	(.84)	14.94	15.21 <sup>5</sup>	1	.65 <sup>6</sup>	2.01 <sup>6</sup>
Class 2:												
12/31/2018	14.80	.27	(1.42)	(1.15)	(.27)	(1.14)	(1.41)	12.24	(8.66)	2,850	.66	1.88
12/31/2017	13.39	.28	1.94	2.22	(.28)	(.53)	(.81)	14.80	17.04	3,551	.66	2.02
12/31/2016	12.51	.28	1.94	2.22	(.26)	(1.08)	(1.34)	13.39	18.70	3,412	.66	2.16
12/31/2015	14.57	.27	(.62)	(.35)	(.26)	(1.45)	(1.71)	12.51	(2.93)	3,228	.66	1.97
12/31/2014	13.02	.44 <sup>2</sup>	1.55	1.99	(.44)	–	(.44)	14.57	15.36	3,722	.67	3.14 <sup>2</sup>
Class 4:												
12/31/2018	14.77	.23	(1.42)	(1.19)	(.25)	(1.14)	(1.39)	12.19	(8.92)	368	.91	1.62
12/31/2017	13.39	.25	1.93	2.18	(.27)	(.53)	(.80)	14.77	16.70	247	.91	1.76
12/31/2016	12.53	.24	1.96	2.20	(.26)	(1.08)	(1.34)	13.39	18.49	132	.91	1.81
12/31/2015	14.63	.24	(.63)	(.39)	(.26)	(1.45)	(1.71)	12.53	(3.21)	32	.91	1.75
12/31/2014	13.12	.34 <sup>2</sup>	1.63	1.97	(.46)	–	(.46)	14.63	15.13	9	.92	2.33 <sup>2</sup>

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
Global Growth and Income Fund												
Class 1:												
12/31/2018	\$15.81	\$ .29	\$(1.62)	\$(1.33)	\$(.28)	\$(1.18)	\$(1.46)	\$13.02	(9.36)%	\$492	.63%	1.94%
12/31/2017	13.02	.35	3.06	3.41	(.36)	(.26)	(.62)	15.81	26.40	485	.63	2.43
12/31/2016	12.35	.28	.66	.94	(.27)	–	(.27)	13.02	7.61	571	.63	2.18
12/31/2015	12.78	.36	(.50)	(.14)	(.29)	–	(.29)	12.35	(1.14)	293	.64	2.79
12/31/2014	12.53	.43 <sup>2</sup>	.31	.74	(.49)	–	(.49)	12.78	6.00	200	.63	3.34 <sup>2</sup>
Class 1A:												
12/31/2018	15.81	.26	(1.63)	(1.37)	(.26)	(1.18)	(1.44)	13.00	(9.62)	1	.88	1.74
12/31/2017 <sup>3,4</sup>	13.21	.18	3.03	3.21	(.35)	(.26)	(.61)	15.81	24.54 <sup>5</sup>	– <sup>7</sup>	.84 <sup>6</sup>	1.20 <sup>6</sup>
Class 2:												
12/31/2018	15.78	.26	(1.63)	(1.37)	(.24)	(1.18)	(1.42)	12.99	(9.63)	1,228	.88	1.70
12/31/2017	13.00	.31	3.05	3.36	(.32)	(.26)	(.58)	15.78	26.06	1,538	.88	2.11
12/31/2016	12.33	.25	.65	.90	(.23)	–	(.23)	13.00	7.34	1,405	.88	1.98
12/31/2015	12.75	.22	(.39)	(.17)	(.25)	–	(.25)	12.33	(1.34)	1,479	.89	1.73
12/31/2014	12.51	.41 <sup>2</sup>	.29	.70	(.46)	–	(.46)	12.75	5.64	1,685	.88	3.22 <sup>2</sup>
Class 4:												
12/31/2018	15.60	.21	(1.60)	(1.39)	(.22)	(1.18)	(1.40)	12.81	(9.89)	95	1.13	1.43
12/31/2017	12.89	.22	3.08	3.30	(.33)	(.26)	(.59)	15.60	25.83	79	1.14	1.49
12/31/2016	12.26	.21	.65	.86	(.23)	–	(.23)	12.89	7.04	16	1.13	1.63
12/31/2015	12.71	.17	(.37)	(.20)	(.25)	–	(.25)	12.26	(1.60)	5	1.14	1.32
12/31/2014	12.50	.30 <sup>2</sup>	.37	.67	(.46)	–	(.46)	12.71	5.41	1	1.13	2.30 <sup>2</sup>
Growth-Income Fund												
Class 1:												
12/31/2018	\$50.22	\$ .84	\$(1.25)	\$(.41)	\$(.84)	\$(3.58)	\$(4.42)	\$45.39	(1.55)%	\$16,783	.28%	1.65%
12/31/2017	44.41	.81	8.89	9.70	(.78)	(3.11)	(3.89)	50.22	22.68	15,765	.28	1.69
12/31/2016	45.40	.79	4.09	4.88	(.75)	(5.12)	(5.87)	44.41	11.80	12,588	.29	1.79
12/31/2015	52.76	.79	.37	1.16	(.75)	(7.77)	(8.52)	45.40	1.72	10,747	.29	1.59
12/31/2014	50.72	.81	4.57	5.38	(.80)	(2.54)	(3.34)	52.76	10.91	10,812	.29	1.56
Class 1A:												
12/31/2018	50.15	.72	(1.25)	(.53)	(.76)	(3.58)	(4.34)	45.28	(1.78)	7	.53	1.43
12/31/2017 <sup>3,4</sup>	45.39	.67	7.96	8.63	(.76)	(3.11)	(3.87)	50.15	19.83 <sup>5</sup>	2	.52 <sup>6</sup>	1.41 <sup>6</sup>
Class 2:												
12/31/2018	49.71	.71	(1.23)	(.52)	(.71)	(3.58)	(4.29)	44.90	(1.79)	12,035	.53	1.40
12/31/2017	44.00	.68	8.80	9.48	(.66)	(3.11)	(3.77)	49.71	22.38	13,930	.53	1.45
12/31/2016	45.04	.67	4.05	4.72	(.64)	(5.12)	(5.76)	44.00	11.51	12,854	.54	1.54
12/31/2015	52.41	.66	.37	1.03	(.63)	(7.77)	(8.40)	45.04	1.45	12,895	.54	1.34
12/31/2014	50.40	.67	4.55	5.22	(.67)	(2.54)	(3.21)	52.41	10.63	14,337	.54	1.31
Class 3:												
12/31/2018	50.29	.75	(1.25)	(.50)	(.74)	(3.58)	(4.32)	45.47	(1.72)	140	.46	1.47
12/31/2017	44.47	.72	8.90	9.62	(.69)	(3.11)	(3.80)	50.29	22.47	168	.46	1.52
12/31/2016	45.46	.71	4.09	4.80	(.67)	(5.12)	(5.79)	44.47	11.59	156	.47	1.61
12/31/2015	52.82	.70	.37	1.07	(.66)	(7.77)	(8.43)	45.46	1.53	161	.47	1.41
12/31/2014	50.77	.71	4.59	5.30	(.71)	(2.54)	(3.25)	52.82	10.71	185	.47	1.38
Class 4:												
12/31/2018	49.31	.58	(1.23)	(.65)	(.61)	(3.58)	(4.19)	44.47	(2.05)	899	.78	1.15
12/31/2017	43.73	.56	8.73	9.29	(.60)	(3.11)	(3.71)	49.31	22.08	827	.78	1.19
12/31/2016	44.82	.56	4.02	4.58	(.55)	(5.12)	(5.67)	43.73	11.25	495	.79	1.29
12/31/2015	52.39	.58	.33	.91	(.71)	(7.77)	(8.48)	44.82	1.21	410	.79	1.25
12/31/2014	50.56	.58	4.51	5.09	(.72)	(2.54)	(3.26)	52.39	10.34	30	.79	1.11

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
International Growth and Income Fund												
Class 1:												
12/31/2018	\$17.72	\$.45	\$(2.39)	\$(1.94)	\$(.43)	\$—	\$(.43)	\$15.35	(11.00)%	\$1,034	.65%	2.62%
12/31/2017	14.48	.46	3.20	3.66	(.42)	—	(.42)	17.72	25.31	1,121	.66	2.75
12/31/2016	14.72	.43	(.19)	.24	(.42)	(.06)	(.48)	14.48	1.71	820	.68	2.93
12/31/2015	16.27	.42	(1.25)	(.83)	(.38)	(.34)	(.72)	14.72	(5.34)	707	.68	2.60
12/31/2014	17.48	.58 <sup>2</sup>	(1.09)	(.51)	(.53)	(.17)	(.70)	16.27	(2.93)	740	.68	3.32 <sup>2</sup>
Class 1A:												
12/31/2018	17.70	.41	(2.39)	(1.98)	(.39)	—	(.39)	15.33	(11.24)	2	.90	2.35
12/31/2017 <sup>3,4</sup>	14.69	.34	3.08	3.42	(.41)	—	(.41)	17.70	23.36 <sup>5</sup>	2	.91 <sup>6</sup>	1.99 <sup>6</sup>
Class 2:												
12/31/2018	17.66	.41	(2.38)	(1.97)	(.39)	—	(.39)	15.30	(11.23)	230	.90	2.38
12/31/2017	14.43	.43	3.17	3.60	(.37)	—	(.37)	17.66	25.03	276	.91	2.60
12/31/2016	14.68	.40	(.21)	.19	(.38)	(.06)	(.44)	14.43	1.44	244	.93	2.72
12/31/2015	16.22	.38	(1.24)	(.86)	(.34)	(.34)	(.68)	14.68	(5.60)	254	.93	2.32
12/31/2014	17.43	.56 <sup>2</sup>	(1.10)	(.54)	(.50)	(.17)	(.67)	16.22	(3.15)	248	.93	3.21 <sup>2</sup>
Class 4:												
12/31/2018	17.58	.36	(2.36)	(2.00)	(.36)	—	(.36)	15.22	(11.46)	71	1.15	2.10
12/31/2017	14.38	.37	3.18	3.55	(.35)	—	(.35)	17.58	24.72	63	1.16	2.24
12/31/2016	14.63	.36	(.19)	.17	(.36)	(.06)	(.42)	14.38	1.18	37	1.18	2.43
12/31/2015	16.19	.33	(1.23)	(.90)	(.32)	(.34)	(.66)	14.63	(5.82)	32	1.18	2.02
12/31/2014	17.45	.26 <sup>2</sup>	(.85)	(.59)	(.50)	(.17)	(.67)	16.19	(3.39)	20	1.18	1.52 <sup>2</sup>
Capital Income Builder												
Class 1:												
12/31/2018	\$10.40	\$.31	\$(1.00)	\$(.69)	\$(.32)	\$(.02)	\$(.34)	\$9.37	(6.77)%	\$317	.54%	3.08%
12/31/2017	9.46	.32	.93	1.25	(.31)	—	(.31)	10.40	13.29	254	.54	3.21
12/31/2016	9.40	.32	.07	.39	(.33)	—	(.33)	9.46	4.17	156	.54	3.39
12/31/2015	9.81	.28	(.40)	(.12)	(.29)	—	(.29)	9.40	(1.23)	80	.56	2.88
12/31/2014 <sup>3,10</sup>	10.00	.19	(.18)	.01	(.19)	(.01)	(.20)	9.81	.12 <sup>5</sup>	20	.56 <sup>6</sup>	2.87 <sup>6</sup>
Class 1A:												
12/31/2018	10.39	.28	(.99)	(.71)	(.30)	(.02)	(.32)	9.36	(7.01)	2	.79	2.82
12/31/2017 <sup>3,4</sup>	9.57	.27	.84	1.11	(.29)	—	(.29)	10.39	11.72 <sup>5</sup>	1	.79 <sup>6</sup>	2.63 <sup>6</sup>
Class 2:												
12/31/2018	10.40	.28	(1.00)	(.72)	(.30)	(.02)	(.32)	9.36	(7.08)	4	.79	2.83
12/31/2017	9.46	.29	.93	1.22	(.28)	—	(.28)	10.40	13.04	1	.79	2.82
12/31/2016	9.40	.27	.11	.38	(.32)	—	(.32)	9.46	4.08	— <sup>7</sup>	.80	2.82
12/31/2015	9.81	.31	(.43)	(.12)	(.29)	—	(.29)	9.40	(1.23) <sup>11</sup>	— <sup>7</sup>	.46 <sup>11</sup>	3.12 <sup>11</sup>
12/31/2014 <sup>3,10</sup>	10.00	.20	(.19)	.01	(.19)	(.01)	(.20)	9.81	.12 <sup>5,11</sup>	— <sup>7</sup>	.47 <sup>6,11</sup>	2.94 <sup>6,11</sup>
Class 4:												
12/31/2018	10.38	.26	(1.00)	(.74)	(.27)	(.02)	(.29)	9.35	(7.25)	352	1.04	2.58
12/31/2017	9.45	.27	.92	1.19	(.26)	—	(.26)	10.38	12.65	338	1.04	2.72
12/31/2016	9.38	.27	.08	.35	(.28)	—	(.28)	9.45	3.78	256	1.04	2.88
12/31/2015	9.80	.25	(.42)	(.17)	(.25)	—	(.25)	9.38	(1.79)	157	1.05	2.55
12/31/2014 <sup>3,10</sup>	10.00	.14	(.16)	(.02)	(.17)	(.01)	(.18)	9.80	(.21) <sup>5</sup>	55	1.06 <sup>6</sup>	2.08 <sup>6</sup>

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
Asset Allocation Fund												
Class 1:												
12/31/2018	\$23.71	\$.48	\$(1.43)	\$(.95)	\$(.44)	\$(1.03)	\$(1.47)	\$21.29	(4.35)%	\$14,627	.28%	2.04%
12/31/2017	21.68	.44	3.06	3.50	(.41)	(1.06)	(1.47)	23.71	16.51	16,556	.29	1.90
12/31/2016	20.62	.42	1.54	1.96	(.39)	(.51)	(.90)	21.68	9.69	13,008	.29	1.97
12/31/2015	22.23	.40	(.02)	.38	(.40)	(1.59)	(1.99)	20.62	1.64	10,913	.29	1.85
12/31/2014	22.49	.44	.81	1.25	(.39)	(1.12)	(1.51)	22.23	5.66	11,997	.30	1.95
Class 1A:												
12/31/2018	23.69	.42	(1.42)	(1.00)	(.40)	(1.03)	(1.43)	21.26	(4.58)	7	.53	1.82
12/31/2017 <sup>3,4</sup>	21.97	.39	2.78	3.17	(.39)	(1.06)	(1.45)	23.69	14.78 <sup>5</sup>	4	.53 <sup>6</sup>	1.69 <sup>6</sup>
Class 2:												
12/31/2018	23.49	.41	(1.41)	(1.00)	(.38)	(1.03)	(1.41)	21.08	(4.60)	4,668	.53	1.78
12/31/2017	21.49	.37	3.04	3.41	(.35)	(1.06)	(1.41)	23.49	16.23	5,480	.54	1.64
12/31/2016	20.45	.36	1.53	1.89	(.34)	(.51)	(.85)	21.49	9.41	5,144	.54	1.72
12/31/2015	22.06	.34	(.01)	.33	(.35)	(1.59)	(1.94)	20.45	1.40	5,008	.54	1.60
12/31/2014	22.33	.37	.81	1.18	(.33)	(1.12)	(1.45)	22.06	5.40	5,494	.55	1.69
Class 3:												
12/31/2018	23.73	.43	(1.41)	(.98)	(.40)	(1.03)	(1.43)	21.32	(4.49)	29	.46	1.85
12/31/2017	21.70	.39	3.07	3.46	(.37)	(1.06)	(1.43)	23.73	16.29	38	.47	1.72
12/31/2016	20.64	.38	1.54	1.92	(.35)	(.51)	(.86)	21.70	9.49	35	.47	1.79
12/31/2015	22.25	.36	(.02)	.34	(.36)	(1.59)	(1.95)	20.64	1.46	36	.47	1.67
12/31/2014	22.51	.39	.81	1.20	(.34)	(1.12)	(1.46)	22.25	5.47	40	.48	1.76
Class 4:												
12/31/2018	23.40	.35	(1.40)	(1.05)	(.33)	(1.03)	(1.36)	20.99	(4.83)	3,594	.78	1.54
12/31/2017	21.43	.32	3.02	3.34	(.31)	(1.06)	(1.37)	23.40	15.91	3,582	.79	1.40
12/31/2016	20.40	.31	1.53	1.84	(.30)	(.51)	(.81)	21.43	9.16	2,861	.79	1.47
12/31/2015	22.11	.30	(.02)	.28	(.40)	(1.59)	(1.99)	20.40	1.14	2,414	.79	1.45
12/31/2014	22.46	.34	.79	1.13	(.36)	(1.12)	(1.48)	22.11	5.16	32	.80	1.55
Global Balanced Fund												
Class 1:												
12/31/2018	\$12.75	\$.23	\$(.96)	\$(.73)	\$(.20)	\$(.15)	\$(.35)	\$11.67	(5.81)%	\$110	.72%	1.82%
12/31/2017	11.08	.21	1.99	2.20	(.15)	(.38)	(.53)	12.75	19.91	93	.72	1.68
12/31/2016	10.74	.19	.32	.51	(.17)	–	(.17)	11.08	4.73	64	.72	1.73
12/31/2015	11.11	.20	(.28)	(.08)	(.14)	(.15)	(.29)	10.74	(.69)	47	.72	1.80
12/31/2014	11.37	.25 <sup>2</sup>	(.03)	.22	(.18)	(.30)	(.48)	11.11	1.87	37	.71	2.14 <sup>2</sup>
Class 1A:												
12/31/2018	12.74	.18	(.94)	(.76)	(.18)	(.15)	(.33)	11.65	(6.03)	2	.98	1.44
12/31/2017 <sup>3,4</sup>	11.18	.16	1.92	2.08	(.14)	(.38)	(.52)	12.74	18.71 <sup>5</sup>	– <sup>7</sup>	.94 <sup>6</sup>	1.27 <sup>6</sup>
Class 2:												
12/31/2018	12.72	.20	(.96)	(.76)	(.16)	(.15)	(.31)	11.65	(6.01)	185	.97	1.57
12/31/2017	11.06	.18	1.98	2.16	(.12)	(.38)	(.50)	12.72	19.57	210	.96	1.43
12/31/2016	10.72	.16	.32	.48	(.14)	–	(.14)	11.06	4.48	178	.97	1.48
12/31/2015	11.09	.18	(.28)	(.10)	(.12)	(.15)	(.27)	10.72	(.95)	171	.97	1.60
12/31/2014	11.35	.22 <sup>2</sup>	(.03)	.19	(.15)	(.30)	(.45)	11.09	1.63	179	.96	1.88 <sup>2</sup>
Class 4:												
12/31/2018	12.63	.17	(.96)	(.79)	(.14)	(.15)	(.29)	11.55	(6.31)	69	1.22	1.34
12/31/2017	11.00	.13	1.99	2.12	(.11)	(.38)	(.49)	12.63	19.38	51	1.22	1.07
12/31/2016	10.69	.12	.33	.45	(.14)	–	(.14)	11.00	4.21	10	1.24	1.12
12/31/2015	11.09	.06	(.17)	(.11)	(.14)	(.15)	(.29)	10.69	(1.00)	1	1.34	.58
12/31/2014	11.35	.24 <sup>2</sup>	(.02)	.22	(.18)	(.30)	(.48)	11.09	1.88 <sup>11</sup>	– <sup>7</sup>	.67 <sup>11</sup>	2.07 <sup>2,11</sup>

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
Bond Fund												
Class 1:												
12/31/2018	\$10.82	\$.29	\$(.35)	\$(.06)	\$(.28)	\$(.01)	\$(.29)	\$10.47	(.45)%	\$5,962	.38%	2.70 %
12/31/2017	10.80	.24	.18	.42	(.24)	(.16)	(.40)	10.82	3.88	6,434	.38	2.19
12/31/2016	10.70	.21	.14	.35	(.21)	(.04)	(.25)	10.80	3.27	6,829	.38	1.91
12/31/2015	11.08	.22	(.17)	.05	(.21)	(.22)	(.43)	10.70	.45	5,731	.38	1.95
12/31/2014	10.73	.23	.37	.60	(.25)	— <sup>8</sup>	(.25)	11.08	5.59	4,977	.39	2.03
Class 1A:												
12/31/2018	10.80	.26	(.33)	(.07)	(.27)	(.01)	(.28)	10.45	(.60)	3	.63	2.50
12/31/2017 <sup>3,4</sup>	10.82	.22	.15	.37	(.23)	(.16)	(.39)	10.80	3.46 <sup>5</sup>	1	.62 <sup>6</sup>	2.01 <sup>6</sup>
Class 2:												
12/31/2018	10.69	.26	(.34)	(.08)	(.26)	(.01)	(.27)	10.34	(.71)	3,524	.63	2.45
12/31/2017	10.67	.21	.18	.39	(.21)	(.16)	(.37)	10.69	3.67	3,966	.63	1.94
12/31/2016	10.58	.18	.13	.31	(.18)	(.04)	(.22)	10.67	2.95	3,959	.63	1.65
12/31/2015	10.95	.18	(.15)	.03	(.18)	(.22)	(.40)	10.58	.28	4,135	.63	1.69
12/31/2014	10.61	.20	.36	.56	(.22)	— <sup>8</sup>	(.22)	10.95	5.28	4,565	.64	1.79
Class 4:												
12/31/2018	10.68	.23	(.33)	(.10)	(.24)	(.01)	(.25)	10.33	(.89)	366	.88	2.22
12/31/2017	10.70	.19	.16	.35	(.21)	(.16)	(.37)	10.68	3.29	297	.88	1.72
12/31/2016	10.61	.15	.15	.30	(.17)	(.04)	(.21)	10.70	2.80	102	.88	1.41
12/31/2015	11.01	.16	(.16)	—	(.18)	(.22)	(.40)	10.61	(.08)	59	.88	1.47
12/31/2014	10.69	.16	.39	.55	(.23)	— <sup>8</sup>	(.23)	11.01	5.15	29	.89	1.43
Global Bond Fund												
Class 1:												
12/31/2018	\$11.88	\$.30	\$(.44)	\$(.14)	\$(.28)	\$(.04)	\$(.32)	\$11.42	(1.14)%	\$1,015	.57%	2.56 %
12/31/2017	11.22	.28	.52	.80	(.07)	(.07)	(.14)	11.88	7.11	1,273	.56	2.37
12/31/2016	11.01	.26	.06	.32	(.09)	(.02)	(.11)	11.22	2.92	1,115	.57	2.26
12/31/2015	11.77	.27	(.71)	(.44)	(.01)	(.31)	(.32)	11.01	(3.75)	1,032	.57	2.34
12/31/2014	11.88	.29	(.08)	.21	(.21)	(.11)	(.32)	11.77	1.71	1,194	.57	2.35
Class 1A:												
12/31/2018	11.87	.27	(.43)	(.16)	(.26)	(.04)	(.30)	11.41	(1.29)	1	.82	2.36
12/31/2017 <sup>3,4</sup>	11.22	.26	.52	.78	(.06)	(.07)	(.13)	11.87	7.00 <sup>5</sup>	— <sup>7</sup>	.72 <sup>6</sup>	2.27 <sup>6</sup>
Class 2:												
12/31/2018	11.79	.27	(.43)	(.16)	(.25)	(.04)	(.29)	11.34	(1.33)	1,032	.82	2.32
12/31/2017	11.14	.25	.51	.76	(.04)	(.07)	(.11)	11.79	6.86	1,164	.81	2.12
12/31/2016	10.93	.23	.07	.30	(.07)	(.02)	(.09)	11.14	2.71	1,121	.82	2.01
12/31/2015	11.72	.24	(.71)	(.47)	(.01)	(.31)	(.32)	10.93	(4.07)	1,208	.82	2.09
12/31/2014	11.81	.26	(.09)	.17	(.15)	(.11)	(.26)	11.72	1.39	1,386	.82	2.11
Class 4:												
12/31/2018	11.70	.24	(.43)	(.19)	(.23)	(.04)	(.27)	11.24	(1.61)	40	1.07	2.09
12/31/2017	11.08	.22	.51	.73	(.04)	(.07)	(.11)	11.70	6.63	31	1.06	1.89
12/31/2016	10.89	.20	.06	.26	(.05)	(.02)	(.07)	11.08	2.42	12	1.07	1.76
12/31/2015	11.70	.21	(.71)	(.50)	— <sup>8</sup>	(.31)	(.31)	10.89	(4.27)	6	1.07	1.86
12/31/2014	11.87	.20	(.05)	.15	(.21)	(.11)	(.32)	11.70	1.16	4	1.09	1.66

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Period ended												
High-Income Bond Fund												
Class 1:												
12/31/2018	\$10.19	\$.64	\$(.84)	\$(.20)	\$(.65)	\$—	\$(.65)	\$9.34	(2.15)%	\$501	.50%	6.32%
12/31/2017	10.18	.63	.10	.73	(.72)	—	(.72)	10.19	7.25	632	.49	5.98
12/31/2016	9.19	.61	1.02	1.63	(.64)	—	(.64)	10.18	17.83	949	.49	6.18
12/31/2015	10.54	.64	(1.36)	(.72)	(.63)	—	(.63)	9.19	(6.94)	1,017	.48	6.12
12/31/2014	11.13	.67	(.59)	.08	(.67)	—	(.67)	10.54	.80	1,017	.48	5.90
Class 1A:												
12/31/2018	10.18	.62	(.84)	(.22)	(.63)	—	(.63)	9.33	(2.35)	1	.75	6.11
12/31/2017 <sup>3,4</sup>	10.28	.60	.02	.62	(.72)	—	(.72)	10.18	6.02 <sup>5</sup>	— <sup>7</sup>	.72 <sup>6</sup>	5.74 <sup>6</sup>
Class 2:												
12/31/2018	10.03	.61	(.83)	(.22)	(.62)	—	(.62)	9.19	(2.34)	661	.75	6.07
12/31/2017	10.04	.59	.10	.69	(.70)	—	(.70)	10.03	6.89	776	.74	5.72
12/31/2016	9.06	.58	1.01	1.59	(.61)	—	(.61)	10.04	17.69	799	.74	5.92
12/31/2015	10.41	.60	(1.35)	(.75)	(.60)	—	(.60)	9.06	(7.30)	765	.73	5.85
12/31/2014	10.99	.63	(.57)	.06	(.64)	—	(.64)	10.41	.63	929	.73	5.67
Class 3:												
12/31/2018	10.23	.63	(.85)	(.22)	(.63)	—	(.63)	9.38	(2.33)	10	.68	6.14
12/31/2017	10.22	.61	.10	.71	(.70)	—	(.70)	10.23	7.02	12	.67	5.79
12/31/2016	9.22	.59	1.03	1.62	(.62)	—	(.62)	10.22	17.68	13	.67	5.99
12/31/2015	10.57	.62	(1.37)	(.75)	(.60)	—	(.60)	9.22	(7.13)	12	.66	5.91
12/31/2014	11.16	.65	(.59)	.06	(.65)	—	(.65)	10.57	.59	16	.66	5.74
Class 4:												
12/31/2018	10.82	.63	(.90)	(.27)	(.59)	—	(.59)	9.96	(2.64)	31	1.00	5.83
12/31/2017	10.79	.61	.10	.71	(.68)	—	(.68)	10.82	6.63	34	.99	5.46
12/31/2016	9.73	.60	1.07	1.67	(.61)	—	(.61)	10.79	17.29	21	.99	5.55
12/31/2015	11.05	.62	(1.43)	(.81)	(.51)	—	(.51)	9.73	(7.42)	1	.98	5.51
12/31/2014	11.12	.63	(.59)	.04	(.11)	—	(.11)	11.05	.35	— <sup>7</sup>	.98	5.49
Mortgage Fund												
Class 1:												
12/31/2018	\$10.47	\$ .20	\$(.14)	\$ .06	\$(.23)	\$—	\$(.23)	\$10.30	.58%	\$209	.48%	1.97%
12/31/2017	10.56	.16	— <sup>8</sup>	.16	(.18)	(.07)	(.25)	10.47	1.47	265	.47	1.52
12/31/2016	10.61	.15	.11	.26	(.20)	(.11)	(.31)	10.56	2.50	269	.46	1.39
12/31/2015	10.70	.10	.13	.23	(.18)	(.14)	(.32)	10.61	2.09	272	.45	.89
12/31/2014	10.23	.12	.45	.57	(.10)	—	(.10)	10.70	5.54	292	.45	1.12
Class 1A:												
12/31/2018	10.46	.18	(.14)	.04	(.22)	—	(.22)	10.28	.36	1	.73	1.77
12/31/2017 <sup>3,4</sup>	10.55	.14	— <sup>8</sup>	.14	(.16)	(.07)	(.23)	10.46	1.31 <sup>5</sup>	— <sup>7</sup>	.70 <sup>6</sup>	1.38 <sup>6</sup>
Class 2:												
12/31/2018	10.45	.18	(.15)	.03	(.20)	—	(.20)	10.28	.32	57	.73	1.72
12/31/2017	10.54	.14	(.01)	.13	(.15)	(.07)	(.22)	10.45	1.22	63	.72	1.27
12/31/2016	10.59	.12	.12	.24	(.18)	(.11)	(.29)	10.54	2.25	63	.71	1.14
12/31/2015	10.68	.07	.13	.20	(.15)	(.14)	(.29)	10.59	1.86	59	.70	.65
12/31/2014	10.22	.10	.44	.54	(.08)	—	(.08)	10.68	5.23	52	.70	.91
Class 4:												
12/31/2018	10.38	.15	(.15)	— <sup>8</sup>	(.19)	—	(.19)	10.19	.07	24	.98	1.49
12/31/2017	10.48	.11	— <sup>8</sup>	.11	(.14)	(.07)	(.21)	10.38	.97	12	.97	1.03
12/31/2016	10.52	.09	.12	.21	(.14)	(.11)	(.25)	10.48	2.01	8	.96	.86
12/31/2015	10.65	.04	.14	.18	(.17)	(.14)	(.31)	10.52	1.62	11	.97	.37
12/31/2014	10.23	.05	.46	.51	(.09)	—	(.09)	10.65	4.98	1	.94	.47

		(Loss) income from investment operations <sup>1</sup>			Dividends and distributions							
	Net asset value, beginning of period	Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions	Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
Ultra-Short Term Bond Fund												
Class 1:												
12/31/2018	\$11.29	\$.18	\$ <sup>-8</sup>	\$.18	\$(.16)	\$-	\$(.16)	\$11.31	1.58%	\$37	.35%	1.60%
12/31/2017	11.27	.08	(.01)	.07	(.05)	-	(.05)	11.29	.66	37	.35	.68
12/31/2016 <sup>12</sup>	11.26	.01	<sup>-8</sup>	.01	-	-	-	11.27	.09	37	.35	.11
12/31/2015	11.28	(.03)	.01	(.02)	-	-	-	11.26	(.18)	39	.34	(.24)
12/31/2014	11.31	(.03)	-	(.03)	-	-	-	11.28	(.27)	49	.34	(.26)
Class 1A:												
12/31/2018	11.29	.18	<sup>-8</sup>	.18	(.16)	-	(.16)	11.31	1.58 <sup>11</sup>	<sup>-7</sup>	.35 <sup>11</sup>	1.60 <sup>11</sup>
12/31/2017 <sup>3,4</sup>	11.27	.08	<sup>-8</sup>	.08	(.06)	-	(.06)	11.29	.67 <sup>5,11</sup>	<sup>-7</sup>	.34 <sup>6,11</sup>	.69 <sup>6,11</sup>
Class 2:												
12/31/2018	11.01	.15	<sup>-8</sup>	.15	(.13)	-	(.13)	11.03	1.36	247	.60	1.34
12/31/2017	10.99	.05	<sup>-8</sup>	.05	(.03)	-	(.03)	11.01	.46	249	.60	.42
12/31/2016 <sup>12</sup>	11.01	(.02)	<sup>-8</sup>	(.02)	-	-	-	10.99	(.18)	297	.60	(.14)
12/31/2015	11.06	(.05)	<sup>-8</sup>	(.05)	-	-	-	11.01	(.45)	302	.59	(.49)
12/31/2014	11.12	(.06)	-	(.06)	-	-	-	11.06	(.54)	331	.59	(.51)
Class 3:												
12/31/2018	11.12	.16	(.01)	.15	(.13)	-	(.13)	11.14	1.38	4	.53	1.42
12/31/2017	11.10	.06	<sup>-8</sup>	.06	(.04)	-	(.04)	11.12	.54	4	.53	.50
12/31/2016 <sup>12</sup>	11.11	(.01)	<sup>-8</sup>	(.01)	-	-	-	11.10	(.09)	4	.53	(.08)
12/31/2015	11.16	(.05)	<sup>-8</sup>	(.05)	-	-	-	11.11	(.45)	6	.52	(.42)
12/31/2014	11.21	(.05)	-	(.05)	-	-	-	11.16	(.45)	8	.52	(.44)
Class 4:												
12/31/2018	11.13	.12	.01	.13	(.11)	-	(.11)	11.15	1.14	18	.86	1.11
12/31/2017	11.12	.02	<sup>-8</sup>	.02	(.01)	-	(.01)	11.13	.16	15	.85	.19
12/31/2016 <sup>12</sup>	11.17	(.04)	(.01)	(.05)	-	-	-	11.12	(.45)	13	.85	(.40)
12/31/2015	11.25	(.08)	<sup>-8</sup>	(.08)	-	-	-	11.17	(.71)	16	.85	(.74)
12/31/2014	11.30	(.09)	.04	(.05)	-	-	-	11.25	(.44)	7	.84	(.77)

Period ended	Net asset value, beginning of period	(Loss) income from investment operations <sup>1</sup>			Dividends and distributions			Net asset value, end of period	Total return	Net assets, end of period (in millions)	Ratio of expenses to average net assets	Ratio of net income (loss) to average net assets
		Net investment income (loss)	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions					
U.S. Government/AAA-Rated Securities Fund												
Class 1:												
12/31/2018	\$12.08	\$.24	\$(.13)	\$.11	\$(.25)	\$–	\$(.25)	\$11.94	.91%	\$1,445	.36%	2.02%
12/31/2017	12.05	.21	.01	.22	(.19)	–	(.19)	12.08	1.83	1,558	.36	1.68
12/31/2016	12.31	.16	.03	.19	(.20)	(.25)	(.45)	12.05	1.44	1,467	.36	1.31
12/31/2015	12.40	.13	.09	.22	(.21)	(.10)	(.31)	12.31	1.93	1,426	.35	1.02
12/31/2014	11.94	.15	.48	.63	(.17)	–	(.17)	12.40	5.24	1,723	.35	1.24
Class 1A:												
12/31/2018	12.08	.22	(.14)	.08	(.23)	–	(.23)	11.93	.70	1	.61	1.82
12/31/2017 <sup>3,4</sup>	12.05	.18	.03	.21	(.18)	–	(.18)	12.08	1.73 <sup>5</sup>	– <sup>7</sup>	.58 <sup>6</sup>	1.53 <sup>6</sup>
Class 2:												
12/31/2018	11.96	.21	(.14)	.07	(.21)	–	(.21)	11.82	.73	1,323	.61	1.77
12/31/2017	11.93	.17	.02	.19	(.16)	–	(.16)	11.96	1.59	1,473	.61	1.43
12/31/2016	12.20	.13	.02	.15	(.17)	(.25)	(.42)	11.93	1.19	1,503	.61	1.05
12/31/2015	12.29	.10	.09	.19	(.18)	(.10)	(.28)	12.20	1.59	1,579	.60	.79
12/31/2014	11.83	.12	.47	.59	(.13)	–	(.13)	12.29	5.01	1,717	.60	1.00
Class 3:												
12/31/2018	12.11	.22	(.14)	.08	(.22)	–	(.22)	11.97	.71	9	.54	1.84
12/31/2017	12.07	.18	.03	.21	(.17)	–	(.17)	12.11	1.72	10	.54	1.50
12/31/2016	12.34	.14	.02	.16	(.18)	(.25)	(.43)	12.07	1.24	11	.54	1.12
12/31/2015	12.43	.11	.09	.20	(.19)	(.10)	(.29)	12.34	1.64	11	.53	.85
12/31/2014	11.96	.13	.48	.61	(.14)	–	(.14)	12.43	5.11	13	.53	1.08
Class 4:												
12/31/2018	11.98	.18	(.12)	.06	(.20)	–	(.20)	11.84	.50	91	.86	1.53
12/31/2017	11.96	.14	.01	.15	(.13)	–	(.13)	11.98	1.28	62	.86	1.18
12/31/2016	12.22	.10	.03	.13	(.14)	(.25)	(.39)	11.96	.99	57	.86	.82
12/31/2015	12.34	.07	.08	.15	(.17)	(.10)	(.27)	12.22	1.29	46	.85	.56
12/31/2014	11.93	.06	.51	.57	(.16)	–	(.16)	12.34	4.76	21	.85	.50



Portfolio turnover rate for all share classes excluding mortgage dollar roll transactions	Period ended December 31				
	2018	2017	2016	2015	2014
Capital Income Builder	42%	59%	41%	38%	24% <sup>5,10</sup>
Asset Allocation Fund	34	39	43	28	42
Global Balanced Fund	30	28	43	36	40
Bond Fund	98	153	108	141	121
Global Bond Fund	78	74	70	88	134
Mortgage Fund	60	98	113	138	108
U.S. Government/AAA-Rated Securities Fund	76	120	273	352	88

Portfolio turnover rate for all share classes including mortgage dollar roll transactions, if applicable	Period ended December 31				
	2018	2017	2016	2015	2014
Global Growth Fund	25%	31%	27%	29%	22%
Global Small Capitalization Fund	43	33	40	36	28
Growth Fund	35	24	26	20	29
International Fund	29	29	31	37	18
New World Fund	58	56	32	39	36
Blue Chip Income and Growth Fund	49	34	30	26	37
Global Growth and Income Fund	49	41	57	37	28
Growth-Income Fund	39	27	27	25	25
International Growth and Income Fund	38	51	32	35	34
Capital Income Builder	98	88	53	128	35 <sup>5,10</sup>
Asset Allocation Fund	86	85	83	76	88
Global Balanced Fund	51	41	65	76	73
Bond Fund	514	502	375	434	365
Global Bond Fund	125	105	154	159	200
High-Income Bond Fund	67	78	89	66	54
Mortgage Fund	811	680	713	1103	790
Ultra-Short Bond Fund	— <sup>13</sup>	— <sup>13</sup>	— <sup>12,13</sup>	N/A	N/A
U.S. Government/AAA-Rated Securities Fund	446	551	539	901	387

<sup>1</sup> Based on average shares outstanding.

<sup>2</sup> For the year ended December 31, 2014, reflects the impact of a corporate action event that resulted in a one-time increase to net investment income. If the corporate action event had not occurred, the net investment income per share and ratio of net income to average net assets would have been lower for all share classes.

<sup>3</sup> Based on operations for a period that is less than a full year.

<sup>4</sup> Class 1A shares began investment operations on January 6, 2017.

<sup>5</sup> Not annualized.

<sup>6</sup> Annualized.

<sup>7</sup> Amount less than \$1 million.

<sup>8</sup> Amount less than \$.01.

<sup>9</sup> Amount less than .01%.

<sup>10</sup> For the period May 1, 2014, commencement of operations, through December 31, 2014.

<sup>11</sup> All or a significant portion of assets in this class consisted of seed capital invested by Capital Research and Management Company and/or its affiliates. Certain fees (including, where applicable, fees for distribution services) are not charged or accrued on these seed capital assets. If such fees were paid by the fund on seed capital assets, fund expenses would have been higher and net income and total return would have been lower.

<sup>12</sup> On May 1, 2016, the fund converted from a cash management fund to an ultra-short-term bond fund and changed its name from Cash Management Fund to Ultra-Short Bond Fund.

<sup>13</sup> Amount is either less than 1% or there is no turnover.

**Other fund information** Shares of the Series are currently offered to insurance company separate accounts funding both variable annuity contracts and variable life insurance policies. Interests of various contract owners participating in the Series may be in conflict. The board of trustees of the Series will monitor for the existence of any material conflicts and determine what action, if any, should be taken. Shares may be purchased or redeemed by the separate accounts without any sales or redemption charges at net asset value.

**Annual/Semi-annual report to shareholders** The shareholder reports contain additional information about the Series, including financial statements, investment results, portfolio holdings, a discussion of market conditions and the Series' investment strategies, and the independent registered public accounting firm's report (in the annual report).

**Statement of additional information (SAI) and codes of ethics** The current SAI, as amended from time to time, contains more detailed information about the Series, including the funds' financial statements, and is incorporated by reference into this prospectus. This means that the current SAI, for legal purposes, is part of this prospectus. The codes of ethics describe the personal investing policies adopted by the Series, the Series' investment adviser and its affiliated companies.

The codes of ethics and current SAI are on file with the U.S. Securities and Exchange Commission (SEC). These and other related materials about the Series are available for review on the EDGAR database on the SEC's website at [sec.gov](http://sec.gov) or, after payment of a duplicating fee, via email request to [publicinfo@sec.gov](mailto:publicinfo@sec.gov).

The current SAI and annual/semi-annual reports to shareholders can be found online at [americanfunds.com/afis](http://americanfunds.com/afis) and may be available on the website of the company that issued your insurance contract. You also may request a free copy of these documents or the codes of ethics by calling American Funds at (800) 421-9900, ext. 65413 or writing to the Secretary at 333 South Hope Street, Los Angeles, California 90071.



PIMCO

PIMCO Variable Insurance Trust

# Prospectus

April 30, 2019

Share Class: M

**ACTIVE ASSET ALLOCATION PORTFOLIO – REAL RETURN ORIENTED**

PIMCO All Asset Portfolio



This prospectus is intended for use in connection with variable annuity contracts and variable life insurance policies issued by insurance companies. This prospectus should be read in conjunction with the prospectus of any contract or policy. Both prospectuses should be read carefully and retained for future reference.

As with other mutual funds, neither the U.S. Securities and Exchange Commission nor the U.S. Commodity Futures Trading Commission has approved or disapproved these securities, or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

Beginning on January 1, 2021, as permitted by regulations adopted by the Securities and Exchange Commission, you may not be receiving paper copies of the Portfolio's shareholder reports from the insurance company that offers your contract unless you specifically request paper copies from the insurance company or from your financial intermediary. Instead, the shareholder reports will be made available on a website, and the insurance company will notify you by mail each time a report is posted and provide you with a website link to access the report. Instructions for requesting paper copies will be provided by your insurance company.

If you already elected to receive shareholder reports electronically, you will not be affected by this change and you need not take any action. You may elect to receive shareholder reports and other communications from the insurance company electronically by following the instructions provided by the insurance company.

You may elect to receive all future reports in paper free of charge from the insurance company. You should contact the insurance company if you wish to continue receiving paper copies of your shareholder reports. Your election to receive reports in paper will apply to all portfolio companies available under your contract at the insurance company.

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## Investment Objective

The Portfolio seeks maximum real return, consistent with preservation of real capital and prudent investment management.

## Fees and Expenses of the Portfolio

This table describes the fees and expenses that you may pay if you buy and hold Class M shares of the Portfolio. Overall fees and expenses of investing in the Portfolio are higher than shown because the table does not reflect variable contract fees and expenses.

**Shareholder Fees (fees paid directly from your investment): N/A**

**Annual Portfolio Operating Expenses (expenses that you pay each year as a percentage of the value of your investment):**

	Class M
Management Fees	0.425%
Distribution and/or Service (12b-1) Fees	0.45%
Acquired Fund Fees and Expenses <sup>(1)</sup>	0.99%
<b>Total Annual Portfolio Operating Expenses<sup>(2)</sup></b>	<b>1.865%</b>
Fee Waiver and/or Expense Reimbursement <sup>(3)</sup>	(0.12%)
<b>Total Annual Portfolio Operating Expenses After Fee Waiver and/or Expense Reimbursement</b>	<b>1.745%</b>

<sup>1</sup> Acquired Fund Fees and Expenses include interest expense of the Underlying PIMCO Funds of 0.23%. Interest expense can result from certain transactions within the Underlying PIMCO Funds and is separate from the management fees paid to Pacific Investment Management Company LLC ("PIMCO"). Excluding interest expense of the Underlying PIMCO Funds, Total Annual Portfolio Operating Expenses After Fee Waiver and/or Expense Reimbursement are 1.515% for Class M shares.

<sup>2</sup> Total Annual Portfolio Operating Expenses do not match the Ratio of Expenses to Average Net Assets Excluding Waivers of the Portfolio, as set forth in the Financial Highlights table of the Portfolio's prospectus, because the Ratio of Expenses to Average Net Assets Excluding Waivers reflects the operating expenses of the Portfolio and does not include Acquired Fund Fees and Expenses.

<sup>3</sup> PIMCO has contractually agreed, through May 1, 2020, to reduce its advisory fee to the extent that the Underlying PIMCO Fund Expenses attributable to advisory and supervisory and administrative fees exceed 0.64% of the total assets invested in Underlying PIMCO Funds. PIMCO may recoup these waivers in future periods, not exceeding three years from the date of waiver, provided total expenses, including such recoupment, do not exceed the annual expense limit that was in place at the time the amount being recouped was originally waived and the current annual expense limit. This waiver will automatically renew for one-year terms unless PIMCO provides written notice to the Trust at least 30 days prior to the end of the then current term. The fee reduction is implemented based on a calculation of Underlying PIMCO Fund Expenses attributable to advisory and supervisory and administrative fees that is different from the calculation of Acquired Fund Fees and Expenses listed in the table above.

**Example.** The Example is intended to help you compare the cost of investing in Class M shares of the Portfolio with the costs of investing in other mutual funds. The Example assumes that you invest \$10,000 for the time periods indicated, and then redeem all your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Portfolio's operating expenses remain the same. Although your actual costs may be higher or lower, the Example shows what your costs would be based on these assumptions. The Example does not reflect fees and expenses of any variable annuity contract or variable life insurance policy, and would be higher if it did.

1 Year      3 Years      5 Years      10 Years

Class M	\$177	\$575	\$997	\$2,175
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## Portfolio Turnover

The Portfolio pays transaction costs when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in the Annual Portfolio Operating Expenses or in the Example table, affect the Portfolio's performance. During the most recent fiscal year, the Portfolio's portfolio turnover rate was 37% of the average value of its portfolio.

## Principal Investment Strategies

The Portfolio is a "fund of funds," which is a term used to describe mutual funds that pursue their investment objective by investing in other funds. The Portfolio seeks to achieve its investment objective by investing under normal circumstances substantially all of its assets in the least expensive class of shares of any actively managed or smart beta funds (including mutual funds or exchange-traded funds) of PIMCO Funds, PIMCO ETF Trust or PIMCO Equity Series, each an affiliated open-end investment company, except other funds of funds and series of PIMCO Funds sub-advised by Gurtin Municipal Bond Management (collectively, "Underlying PIMCO Funds"). As used in the investment objective, "real return" equals total return less the estimated cost of inflation, which is typically measured by the change in an official inflation measure, and "real capital" equals capital less the estimated cost of inflation measured by the change in an official inflation measure. In addition to investing in Underlying PIMCO Funds, at the discretion of PIMCO and without shareholder approval, the Portfolio may invest in additional Underlying PIMCO Funds created in the future.

The Portfolio invests its assets in shares of the Underlying PIMCO Funds and does not invest directly in stocks or bonds of other issuers. Research Affiliates, LLC, the Portfolio's asset allocation sub-adviser, determines how the Portfolio allocates and reallocates its assets among the Underlying PIMCO Funds. In doing so, the asset allocation sub-adviser seeks concurrent exposure to a broad spectrum of asset classes.

**Investments in Underlying PIMCO Funds.** The Portfolio may invest in any or all of the Underlying PIMCO Funds, but will not normally invest in every Underlying PIMCO Fund at any particular time. The Portfolio's investment in a particular Underlying PIMCO Fund normally will not exceed 50% of its total assets. The Portfolio will not invest in the Short Strategy Underlying PIMCO Funds, which seek to gain a negative exposure to an asset class such as equities. The Portfolio's combined investments in the Equity-Related Underlying PIMCO Funds will not exceed 50% of its total assets. In addition, the Portfolio's combined investments in Inflation-Related Underlying PIMCO Funds, which seek to gain exposure to an asset class such as U.S. Treasury Inflation-Protected Securities ("TIPS"), commodities, or real estate, normally will not exceed 75% of its total assets.

**Asset Allocation Investment Process.** The Portfolio's assets are not allocated according to a predetermined blend of shares of the Underlying PIMCO Funds. Instead, when making allocation decisions among the Underlying PIMCO Funds, the Portfolio's asset allocation sub-adviser considers various quantitative and qualitative data relating to the U.S. and foreign economies and securities markets. Such data includes projected

# PIMCO All Asset Portfolio

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growth trends in the U.S. and foreign economies, forecasts for interest rates and the relationship between short- and long-term interest rates (yield curve), current and projected trends in inflation, relative valuation levels in the equity and fixed income markets and various segments within those markets, the outlook and projected growth of various industrial sectors, information relating to business cycles, borrowing needs and the cost of capital, political trends, data relating to trade balances and labor information. The Portfolio's asset allocation sub-adviser has the flexibility to reallocate the Portfolio's assets among any or all of the asset class exposures represented by the Underlying PIMCO Funds based on its ongoing analyses of the equity, fixed income and commodity markets. While these analyses are performed daily, material shifts in asset class exposures typically take place over longer periods of time.

## Principal Risks

It is possible to lose money on an investment in the Portfolio. The principal risks of investing in the Portfolio, which could adversely affect its net asset value, yield and total return, are listed below.

### Principal Risks of the Portfolio

**Allocation Risk:** the risk that a Portfolio could lose money as a result of less than optimal or poor asset allocation decisions. The Portfolio could miss attractive investment opportunities by underweighting markets that subsequently experience significant returns and could lose value by overweighting markets that subsequently experience significant declines

**Fund of Funds Risk:** the risk that a Portfolio's performance is closely related to the risks associated with the securities and other investments held by the Underlying PIMCO Funds and that the ability of a Portfolio to achieve its investment objective will depend upon the ability of the Underlying PIMCO Funds to achieve their investment objectives

Certain principal risks of investing in the Underlying PIMCO Funds, and consequently the Portfolio, which could adversely affect its net asset value, yield and total return, are listed below.

### Certain Principal Risks of Underlying PIMCO Funds

**Market Trading Risk:** the risk that an active secondary trading market for shares of an Underlying PIMCO Fund that is an exchange-traded fund does not continue once developed, that such Underlying PIMCO Fund may not continue to meet a listing exchange's trading or listing requirements, or that such Underlying PIMCO Fund's shares trade at prices other than the Fund's net asset value

**Municipal Project-Specific Risk:** the risk that an Underlying PIMCO Fund may be more sensitive to adverse economic, business or political developments if it invests a substantial portion of its assets in the bonds of specific projects (such as those relating to education, health care, housing, transportation, and utilities), industrial development bonds, or in bonds from issuers in a single state

**Municipal Bond Risk:** the risk that an Underlying PIMCO Fund may be affected significantly by the economic, regulatory or political developments affecting the ability of issuers of debt securities whose interest is, in the opinion of bond counsel for the issuer at the time of issuance, exempt from federal income tax ("Municipal Bonds") to pay interest or repay principal

**Interest Rate Risk:** the risk that fixed income securities will decline in value because of an increase in interest rates; a portfolio with a longer average portfolio duration will be more sensitive to changes in interest rates than a portfolio with a shorter average portfolio duration

**Call Risk:** the risk that an issuer may exercise its right to redeem a fixed income security earlier than expected (a call). Issuers may call outstanding securities prior to their maturity for a number of reasons (e.g., declining interest rates, changes in credit spreads and improvements in the issuer's credit quality). If an issuer calls a security that the Portfolio has invested in, the Portfolio may not recoup the full amount of its initial investment and may be forced to reinvest in lower-yielding securities, securities with greater credit risks or securities with other, less favorable features

**Credit Risk:** the risk that the Portfolio could lose money if the issuer or guarantor of a fixed income security, or the counterparty to a derivative contract, is unable or unwilling, or is perceived (whether by market participants, rating agencies, pricing services or otherwise) as unable or unwilling, to meet its financial obligations

**High Yield Risk:** the risk that high yield securities and unrated securities of similar credit quality (commonly known as "junk bonds") are subject to greater levels of credit, call and liquidity risks. High yield securities are considered primarily speculative with respect to the issuer's continuing ability to make principal and interest payments, and may be more volatile than higher-rated securities of similar maturity

**Distressed Company Risk:** the risk that securities of distressed companies may be subject to greater levels of credit, issuer and liquidity risk than a portfolio that does not invest in such securities. Securities of distressed companies include both debt and equity securities. Debt securities of distressed companies are considered predominantly speculative with respect to the issuers' continuing ability to make principal and interest payments

**Market Risk:** the risk that the value of securities owned by the Portfolio may go up or down, sometimes rapidly or unpredictably, due to factors affecting securities markets generally or particular industries

**Issuer Risk:** the risk that the value of a security may decline for a reason directly related to the issuer, such as management performance, financial leverage and reduced demand for the issuer's goods or services

**Liquidity Risk:** the risk that a particular investment may be difficult to purchase or sell and that the Portfolio may be unable to sell illiquid investments at an advantageous time or price or achieve its desired level of exposure to a certain sector. Liquidity risk may result from the lack of an active market, reduced number and capacity of traditional market participants to make a market in fixed income securities, and may be magnified in a rising interest rate environment or other circumstances where investor redemptions from fixed income mutual funds may be higher than normal, causing increased supply in the market due to selling activity

**Derivatives Risk:** the risk of investing in derivative instruments (such as futures, swaps and structured securities), including leverage, liquidity, interest rate, market, credit and management risks, mispricing or valuation complexity. Changes in the value of the derivative may not correlate perfectly with, and may be more sensitive to market events than, the

underlying asset, rate or index, and the Portfolio could lose more than the initial amount invested. An Underlying PIMCO Fund's use of derivatives may result in losses to the Portfolio, a reduction in the Portfolio's returns and/or increased volatility. Over-the-counter ("OTC") derivatives are also subject to the risk that a counterparty to the transaction will not fulfill its contractual obligations to the other party, as many of the protections afforded to centrally-cleared derivative transactions might not be available for OTC derivatives. For derivatives traded on an exchange or through a central counterparty, credit risk resides with the Underlying PIMCO Fund's clearing broker, or the clearinghouse itself, rather than with a counterparty in an OTC derivative transaction. Changes in regulation relating to a mutual fund's use of derivatives and related instruments could potentially limit or impact the Underlying PIMCO Fund's ability to invest in derivatives, limit the Underlying PIMCO Fund's ability to employ certain strategies that use derivatives and/or adversely affect the value of derivatives and the Underlying PIMCO Fund's performance

**Futures Contract Risk:** the risk that, while the value of a futures contract tends to correlate with the value of the underlying asset that it represents, differences between the futures market and the market for the underlying asset may result in an imperfect correlation. Futures contracts may involve risks different from, and possibly greater than, the risks associated with investing directly in the underlying assets. The purchase or sale of a futures contract may result in losses in excess of the amount invested in the futures contract

**Model Risk:** the risk that an Underlying PIMCO Fund's investment models used in making investment allocation decisions, and the indexation methodologies used in constructing an underlying index for an Underlying PIMCO Fund that seeks to track the investment results of such underlying index, may not adequately take into account certain factors and may result in a decline in the value of an investment in the Underlying PIMCO Fund

**Commodity Risk:** the risk that investing in commodity-linked derivative instruments may subject the Portfolio to greater volatility than investments in traditional securities. The value of commodity-linked derivative instruments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, livestock disease, embargoes, tariffs and international economic, political and regulatory developments

**Equity Risk:** the risk that the value of equity securities, such as common stocks and preferred securities, may decline due to general market conditions which are not specifically related to a particular company or to factors affecting a particular industry or industries. Equity securities generally have greater price volatility than fixed income securities

**Mortgage-Related and Other Asset-Backed Securities Risk:** the risks of investing in mortgage-related and other asset-backed securities, including interest rate risk, extension risk, prepayment risk and credit risk

**Foreign (Non-U.S.) Investment Risk:** the risk that investing in foreign (non-U.S.) securities may result in the Portfolio experiencing more rapid and extreme changes in value than a portfolio that invests exclusively in securities of U.S. companies, due to smaller markets, differing reporting, accounting and auditing standards, increased risk of delayed settlement of

portfolio transactions or loss of certificates of portfolio securities, and the risk of unfavorable foreign government actions, including nationalization, expropriation or confiscatory taxation, currency blockage, or political changes or diplomatic developments. Foreign securities may also be less liquid and more difficult to value than securities of U.S. issuers

**Real Estate Risk:** the risk that a Portfolio's investments in Real Estate Investment Trusts ("REITs") or real estate-linked derivative instruments will subject the Portfolio to risks similar to those associated with direct ownership of real estate, including losses from casualty or condemnation, and changes in local and general economic conditions, supply and demand, interest rates, zoning laws, regulatory limitations on rents, property taxes and operating expenses. A Portfolio's investments in REITs or real estate-linked derivative instruments subject it to management and tax risks. In addition, privately traded REITs subject a Portfolio to liquidity and valuation risk

**Emerging Markets Risk:** the risk of investing in emerging market securities, primarily increased foreign (non-U.S.) investment risk

**Sovereign Debt Risk:** the risk that investments in fixed income instruments issued by sovereign entities may decline in value as a result of default or other adverse credit event resulting from an issuer's inability or unwillingness to make principal or interest payments in a timely fashion

**Currency Risk:** the risk that foreign (non-U.S.) currencies will change in value relative to the U.S. dollar and affect the Portfolio's investments in foreign (non-U.S.) currencies or in securities that trade in, and receive revenues in, or in derivatives that provide exposure to, foreign (non-U.S.) currencies

**Leveraging Risk:** the risk that certain transactions of the Portfolio, such as reverse repurchase agreements, loans of portfolio securities, and the use of when-issued, delayed delivery or forward commitment transactions, or derivative instruments, may give rise to leverage, magnifying gains and losses and causing the Portfolio to be more volatile than if it had not been leveraged. This means that leverage entails a heightened risk of loss

**Smaller Company Risk:** the risk that the value of securities issued by a smaller company may go up or down, sometimes rapidly and unpredictably as compared to more widely held securities, due to narrow markets and limited resources of smaller companies. A Portfolio's investments in smaller companies subject it to greater levels of credit, market and issuer risk

**Issuer Non-Diversification Risk:** the risks of focusing investments in a small number of issuers, including being more susceptible to risks associated with a single economic, political or regulatory occurrence than a more diversified portfolio might be. Portfolios that are "non-diversified" may invest a greater percentage of their assets in the securities of a single issuer (such as bonds issued by a particular state) than portfolios that are "diversified"

**Management Risk:** the risk that the investment techniques and risk analyses applied by PIMCO will not produce the desired results and that legislative, regulatory, or tax restrictions, policies or developments may affect the investment techniques available to PIMCO and the individual portfolio manager in connection with managing the Portfolio. There is no guarantee that the investment objective of the Portfolio will be achieved

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**Short Exposure Risk:** the risk of entering into short sales, including the potential loss of more money than the actual cost of the investment, and the risk that the third party to the short sale will not fulfill its contractual obligations, causing a loss to the Portfolio

**Tax Risk:** the risk that the tax treatment of swap agreements and other derivative instruments, such as commodity-linked derivative instruments, including commodity index-linked notes, swap agreements, commodity options, futures, and options on futures, may be affected by future regulatory or legislative changes that could affect whether income from such investments is “qualifying income” under Subchapter M of the Internal Revenue Code, or otherwise affect the character, timing and/or amount of the Portfolio’s taxable income or gains and distributions

**Subsidiary Risk:** the risk that, by investing in certain Underlying PIMCO Funds that invest in a subsidiary (each a “Subsidiary”), the Portfolio is indirectly exposed to the risks associated with a Subsidiary’s investments. The Subsidiaries are not registered under the 1940 Act and may not be subject to all the investor protections of the 1940 Act. There is no guarantee that the investment objective of a Subsidiary will be achieved

**Value Investing Risk:** a value stock may decrease in price or may not increase in price as anticipated by PIMCO if it continues to be undervalued by the market or the factors that the portfolio manager believes will cause the stock price to increase do not occur

**Arbitrage Risk:** the risk that securities purchased pursuant to an arbitrage strategy intended to take advantage of a perceived relationship between the value of two securities may not perform as expected

**Convertible Securities Risk:** as convertible securities share both fixed income and equity characteristics, they are subject to risks to which fixed income and equity investments are subject. These risks include equity risk, interest rate risk and credit risk

**Exchange-Traded Fund Risk:** the risk that an exchange-traded fund may not track the performance of the index it is designed to track, among other reasons, because of exchange rules, market prices of shares of an exchange-traded fund may fluctuate rapidly and materially, or shares of an exchange-traded fund may trade significantly above or below net asset value, any of which may cause losses to the Portfolio invested in the exchange-traded fund

**Tracking Error Risk:** the risk that the portfolio of an Underlying PIMCO Fund that seeks to track the investment results of an underlying index may not closely track the underlying index for a number of reasons. The Underlying PIMCO Fund incurs operating expenses, which are not applicable to the underlying index, and the costs of buying and selling securities, especially when rebalancing the Underlying PIMCO Fund’s portfolio to reflect changes in the composition of the underlying index. Performance of the Underlying PIMCO Fund and the underlying index may vary due to asset valuation differences and differences between the Underlying PIMCO Fund’s portfolio and the underlying index due to legal restrictions, cost or liquidity restraints. The risk that performance of the Underlying PIMCO Fund and the underlying index may vary may be heightened during periods of increased market volatility or other unusual market conditions. In addition, an Underlying PIMCO Fund’s use of a representative sampling approach may cause the Underlying PIMCO Fund

to be less correlated to the return of the underlying index than if the Underlying PIMCO Fund held all of the securities in the underlying index

**Indexing Risk:** the risk that an Underlying PIMCO Fund that seeks to track the investment results of an underlying index is negatively affected by general declines in the asset classes represented by the underlying index

Please see “Description of Principal Risks” in the Portfolio’s prospectus for a more detailed description of the risks of investing in the Portfolio. An investment in the Portfolio is not a deposit of a bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.

## Performance Information

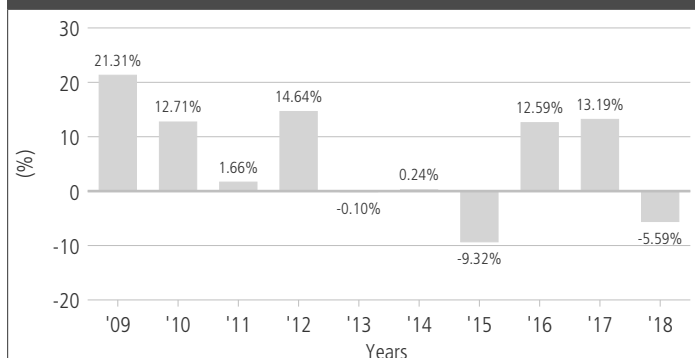
The performance information below shows summary performance information for the Portfolio in a bar chart and an Average Annual Total Returns table. The information provides some indication of the risks of investing in the Portfolio by showing changes in its performance from year to year and by showing how the Portfolio’s average annual returns compare with the returns of a broad-based securities market index and an index of similar funds. The Portfolio’s performance information reflects applicable fee waivers and/or expense limitations in effect during the periods presented. Absent such fee waivers and/or expense limitations, if any, performance would have been lower. Performance shown does not reflect any charges or expenses imposed by an insurance company and, if it did, performance shown would be lower. The bar chart and the table show performance of the Portfolio’s Class M shares. *The Portfolio’s past performance is not necessarily an indication of how the Portfolio will perform in the future.*

The Portfolio measures its performance against a primary benchmark and a secondary benchmark. The Bloomberg Barclays U.S. TIPS: 1-10 Year Index, the primary benchmark, is an unmanaged index comprised of U.S. Treasury Inflation-Protected securities having a maturity of at least 1 year and less than 10 years. The CPI + 500 Basis Points benchmark, the secondary benchmark, is created by adding 5% to the annual percentage change in the Consumer Price Index (“CPI”). The CPI is an unmanaged index representing the rate of inflation of the U.S. consumer prices as determined by the U.S. Bureau of Labor Statistics.

Performance for the Portfolio is updated daily and monthly and may be obtained as follows: daily updates on the net asset value may be obtained by calling 1-888-87-PIMCO and monthly performance may be obtained at [www.pimco.com/pvit](http://www.pimco.com/pvit).



## Calendar Year Total Returns — Class M\*



\*For the periods shown in the bar chart, the highest quarterly return was 12.05% in the Q2 2009, and the lowest quarterly return was -8.78% in the Q3 2015.

## Average Annual Total Returns (for periods ended 12/31/18)

	1 Year	5 Years	10 Years
Class M Return	-5.59%	1.81%	5.70%
Bloomberg Barclays U.S. TIPS: 1-10 Year Index (reflects no deductions for fees, expenses or taxes)	-0.25%	1.20%	3.06%
Consumer Price Index + 500 Basis Points (reflects no deductions for fees, expenses or taxes)	6.95%	6.49%	6.80%

## Investment Adviser/Portfolio Manager



PIMCO serves as the investment adviser for the Portfolio. Research Affiliates, LLC serves as the asset allocation sub-adviser to the Portfolio. The Portfolio's portfolio is jointly and primarily managed by Robert D. Arnott and Christopher J. Brightman.

Mr. Arnott is the Chairman and Founder of Research Affiliates, LLC and he has managed the Portfolio since its inception in April 2003. Mr. Brightman is Chief Investment Officer of Research Affiliates, LLC and he has managed the Portfolio since November 2016.

## Purchase and Sale of Portfolio Shares

Shares of the Portfolio currently are sold to segregated asset accounts ("Separate Accounts") of insurance companies that fund variable annuity contracts and variable life insurance policies ("Variable Contracts"). Investors do not deal directly with the Portfolio to purchase and redeem shares. Please refer to the prospectus for the Separate Account for information on the allocation of premiums and on transfers of accumulated value among sub-accounts of the Separate Account.

## Tax Information

The shareholders of the Portfolio are the insurance companies offering the variable products. Please refer to the prospectus for the Separate Account and the Variable Contract for information regarding the federal income tax treatment of distributions to the Separate Account.

## Payments to Insurance Companies and Other Financial Intermediaries

The Portfolio and/or its related companies (including PIMCO) may pay the insurance company and other intermediaries for the sale of the Portfolio and/or other services. These payments may create a conflict of interest by influencing the insurance company or intermediary and your salesperson to recommend a Variable Contract and the Portfolio over another investment. Ask your insurance company or salesperson or visit your financial intermediary's Web site for more information.

## Description of Principal Risks

The value of your investment in the Portfolio changes with the values of the Portfolio's investments in the Underlying PIMCO Funds. Many factors can affect those values. The factors that are most likely to have a material effect on the Portfolio's investments as a whole are called "principal risks." The principal risks of the Underlying PIMCO Funds, and consequently the Portfolio, are identified in the Portfolio Summary and are described in this section. The Portfolio and the Underlying PIMCO Funds may be subject to additional risks other than those identified and described below because the types of investments made by an Underlying PIMCO Fund can change over time. Securities and investment techniques mentioned in this summary that appear in **bold type** are described in greater detail under "Characteristics and Risks of Securities and Investment Techniques." That section and "Investment Objectives and Policies" in the Statement of Additional Information ("SAI") also include more information about the Underlying PIMCO Funds, their investments and the related risks. There is no guarantee that the Portfolio or the Underlying PIMCO Funds will be able to achieve their investment objectives. It is possible to lose money by investing in the Portfolio.

## Allocation Risk

The Portfolio's investment performance depends upon how its assets are allocated and reallocated between the Underlying PIMCO Funds according to the Portfolio's asset allocation targets and ranges. A principal risk of investing in the Portfolio is that the asset allocation sub-adviser will make less than optimal or poor asset allocation decisions. The asset allocation sub-adviser attempts to identify investment allocations for the Underlying PIMCO Funds that will provide consistent, quality performance for the Portfolio, but there is no guarantee that such allocation techniques will produce the desired results. It is possible that the asset allocation sub-adviser will focus on an Underlying PIMCO Fund that performs poorly or underperforms other Underlying PIMCO Funds under various market conditions. You could lose money on your investment in the Portfolio as a result of these allocation decisions.

## Fund of Funds Risk

Because the Portfolio invests substantially all of its assets in Underlying PIMCO Funds, the risks associated with investing in the Portfolio are closely related to the risks associated with the securities and other investments held by the Underlying PIMCO Funds. The ability of the Portfolio to achieve its investment objective will depend upon the ability of the Underlying PIMCO Funds to achieve their respective investment objectives. There can be no assurance that the investment objective of any Underlying PIMCO Fund will be achieved.

The Portfolio's net asset value ("NAV") will fluctuate in response to changes in the respective NAVs of the Underlying PIMCO Funds in which it invests. The extent to which the investment performance and risks associated with the Portfolio correlate to those of a particular Underlying PIMCO Fund will depend upon the extent to which the Portfolio's assets are allocated from time to time for investment in the Underlying PIMCO Fund, which will vary. To the extent that the Portfolio invests a significant portion of its assets in an Underlying PIMCO Fund, it will be particularly sensitive to the risks associated with that Underlying PIMCO Fund.

## Market Trading Risk

An Underlying PIMCO Fund that is an exchange-traded fund is subject to secondary market trading risks. Once operational, shares of the Underlying PIMCO Fund are listed for trading on an exchange, however, there can be no guarantee that an active trading market for such shares will develop or continue. Shares of the Underlying PIMCO Fund may be listed or traded on U.S. and foreign (non-U.S.) exchanges other than the Underlying PIMCO Fund's primary U.S. listing exchange. There can be no guarantee that the Underlying PIMCO Fund's shares will continue trading on any exchange or in any market or that the Underlying PIMCO Fund's shares will continue to meet the listing or trading requirements of any exchange or market. The Underlying PIMCO Fund's shares may experience higher trading volumes on one exchange as compared to another and investors are subject to the execution and settlement risks of the market where their broker directs trades.

Secondary market trading in the Underlying PIMCO Fund's shares may be halted by an exchange because of market conditions. Pursuant to exchange or market rules, trading in the Underlying PIMCO Fund's shares on an exchange or in any market may be subject to trading halts caused by extraordinary market volatility. If secondary market trading is halted or an exchange closes earlier than anticipated, you may be unable to purchase or sell Portfolio shares. There can be no guarantee that the Underlying PIMCO Fund's exchange listing or ability to trade its shares will continue or remain unchanged. In the event the Underlying PIMCO Fund ceases to be listed on an exchange, the Underlying PIMCO Fund may cease operating as an "exchange-traded" fund and operate as a mutual fund, provided that shareholders are given advance notice.

Buying or selling the Underlying PIMCO Fund's shares on an exchange may require the payment of brokerage commissions. In addition, an investor who buys or sells the Underlying PIMCO Fund's shares may also incur the cost of the spread (the difference between the bid price and the ask price). The commission is frequently a fixed amount and may be a significant cost for investors seeking to buy or sell small amounts of shares. The spread varies over time for shares of the Underlying PIMCO Fund based on their trading volume and market liquidity, and is generally less if the Underlying PIMCO Fund has more trading volume and market liquidity and more if the Underlying PIMCO Fund has less trading volume and market liquidity. Due to the costs inherent in buying or selling the Underlying PIMCO Fund's shares, frequent trading may detract significantly from investment returns. Investment in the Underlying PIMCO Fund's shares may not be advisable for investors who expect to engage in frequent trading.

Shares of the Underlying PIMCO Fund may trade on an exchange at prices at, above or below their most recent NAV. The market prices of an Underlying PIMCO Fund's shares will fluctuate, sometimes rapidly and materially, in response to changes in the Underlying PIMCO Fund's NAV, the value of the Underlying PIMCO Fund's holdings and supply and demand for the Underlying PIMCO Fund's shares. Although the creation/redemption feature of the Underlying PIMCO Funds generally makes it more likely that an Underlying PIMCO Fund's shares will trade close to NAV, market volatility, lack of an active trading market for the Underlying PIMCO Fund's shares, disruptions at market participants (such as authorized participants or

market makers) and any disruptions in the ordinary functioning of the creation/redemption process may result in the Underlying PIMCO Fund's shares trading significantly above (at a "premium") or below (at a "discount") NAV. An investor who buys or sells an Underlying PIMCO Fund's shares may incur significant losses if the investor transacts in the Underlying PIMCO Fund's shares in these and other circumstances. Neither PIMCO nor the Trust can predict whether an Underlying PIMCO Fund's shares will trade above, below or at NAV. An Underlying PIMCO Fund's investment results are based on the Underlying PIMCO Fund's daily NAV. Investors transacting in an Underlying PIMCO Fund's shares in the secondary market, where market prices may differ from NAV, may experience investment results that differ from results based on the Underlying PIMCO Fund's daily NAV.

## Municipal Project-Specific Risk

An Underlying PIMCO Fund may be more sensitive to adverse economic, business or political developments if it invests a substantial portion of its assets in the bonds of specific projects (such as those relating to education, health care, housing, transportation, and utilities), industrial development bonds, or in general obligation bonds, particularly if there is a large concentration from issuers in a single state.

## Municipal Bond Risk

An Underlying PIMCO Fund that invests in Municipal Bonds may be affected significantly by the economic, regulatory or political developments affecting the ability of issuers of Municipal Bonds to pay interest or repay principal. In addition, the ability of an issuer to make payments or repay interest may be affected by litigation or bankruptcy. In the event of bankruptcy of such an issuer, an Underlying PIMCO Fund investing in the issuer's securities could experience delays in collecting principal and interest, and the Underlying PIMCO Fund may not, in all circumstances, be able to collect all principal and interest to which it is entitled. To enforce its rights in the event of a default in the payment of interest or repayment of principal, or both, an Underlying PIMCO Fund may, in some instances, take possession of, and manage, the assets securing the issuer's obligations on such securities, which may increase the Underlying PIMCO Fund's operating expenses. Any income derived from the Underlying PIMCO Fund's ownership or operation of such assets may not be tax-exempt. Municipal Bonds are subject to interest rate, credit and market risk.

Because many Municipal Bonds are issued to finance similar projects (such as those relating to education, health care, housing, transportation, and utilities), conditions in those sectors may affect the overall municipal securities market. In addition, changes in the financial condition of an individual municipal issuer can affect the overall municipal market. Municipal Bonds backed by current or anticipated revenues from a specific project or specific assets can be negatively affected by the discontinuance of the supporting taxation or the inability to collect revenues for the specific project or specific assets. Municipal Bonds are subject to the risk that the Internal Revenue Service ("IRS") may determine that an issuer has not complied with applicable tax requirements and that interest from the Municipal Bond is taxable, which may result in a significant decline in the value of the security. Municipal Bonds may be less liquid than taxable bonds and there may be less publicly available information on the financial

condition of Municipal Bond issuers than for issuers of other securities, and the investment performance of an Underlying PIMCO Fund investing in Municipal Bonds may therefore be more dependent on the analytical abilities of PIMCO than if the Underlying PIMCO Fund held other types of investments such as stocks or taxable bonds. The secondary market for Municipal Bonds also tends to be less well-developed or liquid than many other securities markets, a by-product of lower capital commitments to the asset class by the dealer community, which may adversely affect an Underlying PIMCO Fund's ability to sell Municipal Bonds it holds at attractive prices or value Municipal Bonds.

## Interest Rate Risk

Interest rate risk is the risk that fixed income securities and other instruments in an Underlying PIMCO Fund's portfolio will decline in value because of an increase in interest rates. As nominal interest rates rise, the value of certain fixed income securities held by the Underlying PIMCO Fund is likely to decrease. A nominal interest rate can be described as the sum of a real interest rate and an expected inflation rate. Interest rate changes can be sudden and unpredictable, and an Underlying PIMCO Fund may lose money as a result of movements in interest rates. An Underlying PIMCO Fund may not be able to hedge against changes in interest rates or may choose not to do so for cost or other reasons. In addition, any hedges may not work as intended. Fixed income securities with longer durations tend to be more sensitive to changes in interest rates, usually making them more volatile than securities with shorter durations. The values of equity and other non-fixed income securities may also decline due to fluctuations in interest rates. **Inflation-indexed bonds**, including Treasury Inflation-Protected Securities ("TIPS"), decline in value when real interest rates rise. In certain interest rate environments, such as when real interest rates are rising faster than nominal interest rates, **inflation-indexed bonds** may experience greater losses than other fixed income securities with similar durations.

**Variable and floating rate securities** generally are less sensitive to interest rate changes but may decline in value if their interest rates do not rise as much, or as quickly, as interest rates in general. Conversely, floating rate securities will not generally increase in value if interest rates decline. Inverse floating rate securities may decrease in value if interest rates increase. Inverse floating rate securities may also exhibit greater price volatility than a fixed rate obligation with similar credit quality. When an Underlying PIMCO Fund holds variable or floating rate securities, a decrease (or, in the case of inverse floating rate securities, an increase) in market interest rates will adversely affect the income received from such securities and the NAV of the Underlying PIMCO Fund's shares.

A wide variety of factors can cause interest rates to rise (e.g., central bank monetary policies, inflation rates, general economic conditions, etc.). This is especially true under current economic conditions because interest rates are near historically low levels. Thus, Underlying PIMCO Funds that invest in fixed income securities currently face a heightened level of interest rate risk, especially as the Federal Reserve Board ended its quantitative easing program in October 2014 and has begun, and may continue, to raise interest rates. To the extent the Federal Reserve Board continues to raise interest rates, there is a risk that rates across the financial system may rise.

During periods of very low or negative interest rates, the Underlying PIMCO Fund may be unable to maintain positive returns. Interest rates in the U.S. and many parts of the world, including certain European countries, are at or near historically low levels. Certain European countries have recently experienced negative interest rates on certain fixed income instruments. Very low or negative interest rates may magnify interest rate risk. Changing interest rates, including rates that fall below zero, may have unpredictable effects on markets, may result in heightened market volatility and may detract from the Underlying PIMCO Fund's performance to the extent the Portfolio is exposed to such interest rates.

Measures such as average duration may not accurately reflect the true interest rate sensitivity of an Underlying PIMCO Fund. This is especially the case if the Portfolio consists of securities with widely varying durations. Therefore, if the Underlying PIMCO Fund has an average duration that suggests a certain level of interest rate risk, the Underlying PIMCO Fund may in fact be subject to greater interest rate risk than the average would suggest. This risk is greater to the extent the Underlying PIMCO Fund uses leverage or derivatives in connection with the management of the Underlying PIMCO Fund.

Convexity is an additional measure used to understand a security's or the Underlying PIMCO Fund's interest rate sensitivity. Convexity measures the rate of change of duration in response to changes in interest rates. With respect to a security's price, a larger convexity (positive or negative) may imply more dramatic price changes in response to changing interest rates. Convexity may be positive or negative. Negative convexity implies that interest rate increases result in increased duration, meaning increased sensitivity in prices in response to rising interest rates. Thus, securities with negative convexity, which may include bonds with traditional call features and certain mortgage-backed securities, may experience greater losses in periods of rising interest rates. Accordingly, if the Underlying PIMCO Fund holds such securities, the Underlying PIMCO Fund may be subject to a greater risk of losses in periods of rising interest rates.

## Call Risk

Call risk refers to the possibility that an issuer may exercise its right to redeem a fixed income security earlier than expected (a call). Issuers may call outstanding securities prior to their maturity for a number of reasons (e.g., declining interest rates, changes in credit spreads and improvements in the issuer's credit quality). If an issuer calls a security in which the Portfolio has invested, the Portfolio may not recoup the full amount of its initial investment and may be forced to reinvest in lower-yielding securities, securities with greater credit risks or securities with other, less favorable features.

## Credit Risk

An Underlying PIMCO Fund could lose money if the issuer or guarantor of a fixed income security (including a security purchased with securities lending collateral), or the counterparty to a **derivatives** contract, **repurchase agreement** or a **loan of portfolio securities**, is unable or unwilling, or is perceived (whether by market participants, rating agencies, pricing services or otherwise) as unable or unwilling, to make timely principal and/or interest payments, or to otherwise honor its obligations. The downgrade of the credit of a security held by an Underlying PIMCO Fund may decrease

its value. Securities are subject to varying degrees of credit risk, which are often reflected in **credit ratings**. Measures such as average credit quality may not accurately reflect the true credit risk of the Underlying PIMCO Fund. This is especially the case if the Underlying PIMCO Fund consists of securities with widely varying credit ratings. Therefore, if the Underlying PIMCO Fund has an average credit rating that suggests a certain credit quality, the Underlying PIMCO Fund may in fact be subject to greater credit risk than the average would suggest. This risk is greater to the extent the Underlying PIMCO Fund uses leverage or derivatives in connection with the management of the Underlying PIMCO Fund. **Municipal bonds** are subject to the risk that litigation, legislation or other political events, local business or economic conditions, or the bankruptcy of the issuer could have a significant effect on an issuer's ability to make payments of principal and/or interest.

## High Yield Risk

Underlying PIMCO Funds that invest in **high yield securities** and **unrated securities** of similar credit quality (commonly known as "high yield securities" or "junk bonds") may be subject to greater levels of credit risk, call risk and liquidity risk than portfolios that do not invest in such securities. These securities are considered predominantly speculative with respect to an issuer's continuing ability to make principal and interest payments, and may be more volatile than other types of securities. An economic downturn or individual corporate developments could adversely affect the market for these securities and reduce the Portfolio's ability to sell these securities at an advantageous time or price. An economic downturn would generally lead to a higher non-payment rate and, a **high yield security** may lose significant market value before a default occurs. **High yield securities** structured as zero-coupon bonds or pay-in-kind securities tend to be especially volatile as they are particularly sensitive to downward pricing pressures from rising interest rates or widening spreads and may require the Portfolio to make taxable distributions of imputed income without receiving the actual cash currency. Issuers of **high yield securities** may have the right to "call" or redeem the issue prior to maturity, which may result in the Portfolio having to reinvest the proceeds in other **high yield securities** or similar instruments that may pay lower interest rates. The Portfolio may also be subject to greater levels of liquidity risk than portfolios that do not invest in **high yield securities**. In addition, the **high yield securities** in which the Portfolio invests may not be listed on any exchange and a secondary market for such securities may be comparatively illiquid relative to markets for other more liquid fixed income securities. Consequently, transactions in **high yield securities** may involve greater costs than transactions in more actively traded securities. A lack of publicly-available information, irregular trading activity and wide bid/ask spreads among other factors, may, in certain circumstances, make high yield debt more difficult to sell at an advantageous time or price than other types of securities or instruments. These factors may result in the Portfolio being unable to realize full value for these securities and/or may result in the Portfolio not receiving the proceeds from a sale of a **high yield security** for an extended period after such sale, each of which could result in losses to the Portfolio. Because of the risks involved in investing in **high yield securities**, an investment in the Portfolio should be considered speculative.

## Distressed Company Risk

An Underlying PIMCO Fund that invests in securities of distressed companies may be subject to greater levels of credit, issuer and liquidity risk than a portfolio that does not invest in such securities. Securities of distressed companies include both debt and **equity securities**. Debt securities of distressed companies are considered predominantly speculative with respect to the issuers' continuing ability to make principal and interest payments. Issuers of distressed company securities may also be involved in restructurings or bankruptcy proceedings that may not be successful. An economic downturn or period of rising interest rates could adversely affect the market for these securities and reduce the Underlying PIMCO Fund's ability to sell these securities (liquidity risk). If the issuer of a debt security is in default with respect to interest or principal payments, the Underlying PIMCO Fund may lose its entire investment.

## Market Risk

The market price of securities owned by an Underlying PIMCO Fund may go up or down, sometimes rapidly or unpredictably. Securities may decline in value due to factors affecting securities markets generally or particular industries represented in the securities markets. The value of a security may decline due to general market conditions which are not specifically related to a particular company, such as real or perceived adverse economic conditions, changes in the general outlook for corporate earnings, changes in interest or currency rates, adverse changes to credit markets or adverse investor sentiment generally. The value of a security may also decline due to factors which affect a particular industry or industries, such as labor shortages or increased production costs and competitive conditions within an industry. During a general downturn in the securities markets, multiple asset classes may decline in value simultaneously. **Equity securities** generally have greater price volatility than fixed income securities. **Credit ratings** downgrades may also negatively affect securities held by an Underlying PIMCO Fund. Even when markets perform well, there is no assurance that the investments held by an Underlying PIMCO Fund will increase in value along with the broader market.

In addition, market risk includes the risk that geopolitical events will disrupt the economy on a national or global level. For instance, terrorism, market manipulation, government defaults, government shutdowns, political changes or diplomatic developments and natural/environmental disasters can all negatively impact the securities markets, which could cause the Underlying PIMCO Funds to lose value. The current contentious domestic political environment, as well as political and diplomatic events within the United States and abroad, such as the U.S. government's inability at times to agree on a long-term budget and deficit reduction plan, has in the past resulted, and may in the future result, in a government shutdown, which could have an adverse impact on the Underlying PIMCO Funds' investments and operations. Additional and/or prolonged U.S. federal government shutdowns may affect investor and consumer confidence and may adversely impact financial markets and the broader economy, perhaps suddenly and to a significant degree. Any market disruptions could also prevent an Underlying PIMCO Fund from executing advantageous investment decisions in a timely manner. Underlying PIMCO Funds that have focused their investments in a region enduring geopolitical market disruption will face higher risks of loss. Thus, investors should closely

monitor current market conditions to determine whether the Portfolio meets their individual financial needs and tolerance for risk.

Current market conditions may pose heightened risks with respect to an Underlying PIMCO Fund's investment in fixed income securities. As discussed more under "Interest Rate Risk," interest rates in the U.S. are near historically low levels. However, continued economic recovery, the end of the Federal Reserve Board's quantitative easing program, and an increased likelihood of a rising interest rate environment increase the risk that interest rates will continue to rise in the near future. Any further interest rate increases in the future could cause the value of the Underlying PIMCO Fund to decrease. As such, fixed income securities markets may experience heightened levels of interest rate, volatility and liquidity risk. If rising interest rates cause an Underlying PIMCO Fund to lose enough value, the Underlying PIMCO Fund could also face increased shareholder redemptions, which could force the Underlying PIMCO Fund to liquidate investments at disadvantageous times or prices, therefore adversely affecting the Underlying PIMCO Fund.

Exchanges and securities markets may close early, close late or issue trading halts on specific securities, which may result in, among other things, an Underlying PIMCO Fund being unable to buy or sell certain securities or financial instruments at an advantageous time or accurately price its portfolio investments. In addition, the Portfolio may rely on various third-party sources to calculate its NAV. As a result, the Portfolio is subject to certain operational risks associated with reliance on service providers and service providers' data sources. In particular, errors or systems failures and other technological issues may adversely impact the Portfolio's calculation of its NAV, and such NAV calculation issues may result in inaccurately calculated NAVs, delays in NAV calculation and/or the inability to calculate NAVs over extended periods.

## Issuer Risk

The value of a security may decline for a number of reasons which directly relate to the issuer, such as management performance, financial leverage and reduced demand for the issuer's goods or services, as well as the historical and prospective earnings of the issuer and the value of its assets. A change in the financial condition of a single issuer may affect securities markets as a whole.

## Liquidity Risk

The Securities and Exchange Commission defines liquidity risk as the risk that the Portfolio could not meet requests to redeem shares issued by the Portfolio without significant dilution of remaining investors' interests in the Portfolio. Liquidity risk exists when particular investments are difficult to purchase or sell. **Illiquid investments** are investments that the Underlying PIMCO Funds reasonably expect cannot be sold or disposed of in current market conditions in seven calendar days or less without the sale or disposition significantly changing the market value of the investment. **Illiquid investments** may become harder to value, especially in changing markets. An Underlying PIMCO Fund's investments in **illiquid investments** may reduce the returns of the Underlying PIMCO Fund because it may be unable to sell the **illiquid investments** at an advantageous time or price, which could prevent the Underlying PIMCO Fund from taking advantage of other investment opportunities. Additionally,

the market for certain investments may become illiquid under adverse market or economic conditions independent of any specific adverse changes in the conditions of a particular issuer. Bond markets have consistently grown over the past three decades while the capacity for traditional dealer counterparties to engage in fixed income trading has not kept pace and in some cases has decreased. As a result, dealer inventories of corporate bonds, which provide a core indication of the ability of financial intermediaries to “make markets,” are at or near historic lows in relation to market size. Because market makers provide stability to a market through their intermediary services, the significant reduction in dealer inventories could potentially lead to decreased liquidity and increased volatility in the fixed income markets. Such issues may be exacerbated during periods of economic uncertainty.

In such cases, an Underlying PIMCO Fund, due to regulatory limitations on investments in **illiquid investments** and the difficulty in purchasing and selling such securities or instruments, may be unable to achieve its desired level of exposure to a certain sector. To the extent the Underlying PIMCO Fund’s principal investment strategies involve securities of companies with smaller market capitalizations, **foreign (non-U.S.) securities**, Rule 144A securities, illiquid sectors of fixed income securities, **derivatives** or securities with substantial market and/or credit risk, the Underlying PIMCO Fund will tend to have the greatest exposure to liquidity risk. Further, fixed income securities with longer durations until maturity face heightened levels of liquidity risk as compared to fixed income securities with shorter durations until maturity. Finally, liquidity risk also refers to the risk of unusually high redemption requests, redemption requests by certain large shareholders such as institutional investors or asset allocators, or other unusual market conditions that may make it difficult for an Underlying PIMCO Fund to sell investments within the allowable time period to meet redemptions. Meeting such redemption requests could require an Underlying PIMCO Fund to sell securities at reduced prices or under unfavorable conditions, which would reduce the value of the Underlying PIMCO Fund. It may also be the case that other market participants may be attempting to liquidate fixed income holdings at the same time as an Underlying PIMCO Fund, causing increased supply in the market and contributing to liquidity risk and downward pricing pressure.

Certain accounts or PIMCO affiliates may from time to time own (beneficially or of record) or control a significant percentage of the Portfolio’s shares. Redemptions by these shareholders of their holdings in the Portfolio may impact the Portfolio’s liquidity and NAV. These redemptions may also force the Portfolio to sell securities, which may negatively impact the Portfolio’s brokerage costs.

## Derivatives Risk

**Derivatives** are financial contracts whose value depends on, or is derived from, the value of an underlying asset, reference rate or index. The various derivative instruments that the Underlying PIMCO Funds may use are referenced under “Characteristics and Risks of Securities and Investment Techniques-Derivatives” in this prospectus and described in more detail under “Investment Objectives and Policies” in the SAI. Underlying PIMCO Funds may also use **derivatives** as a substitute for taking a position in the underlying asset, as part of strategies designed to gain exposure to, for

example, issuers, portions of the yield curve, indexes, sectors, currencies, and/or geographic regions, and/or to reduce exposure to other risks, such as interest rate, credit or currency risk. Underlying PIMCO Funds may also use **derivatives** for leverage, in which case their use would involve leveraging risk, and in some cases, may subject an Underlying PIMCO Fund to the potential for unlimited loss. The use of **derivatives** may cause the Underlying PIMCO Fund’s investment returns to be impacted by the performance of securities the Underlying PIMCO Fund does not own and result in the Underlying PIMCO Fund’s total investment exposure exceeding the value of its portfolio.

An Underlying PIMCO Fund’s use of derivative instruments involves risks different from, or possibly greater than, the risks associated with investing directly in securities and other traditional investments. **Derivatives** are subject to a number of risks described elsewhere in this section, such as liquidity risk (which may be heightened for highly-customized derivatives), interest rate risk, market risk, credit risk and management risk, as well as risks arising from changes in applicable requirements. They also involve the risk of mispricing or improper valuation and the risk that changes in the value of the **derivative** instrument may not correlate perfectly with the underlying asset, rate or index. In this regard, the Underlying PIMCO Fund may seek to achieve its investment objective, in part, by investing in derivatives that are designed to closely track the performance of an index on a daily basis. However, the overall investment strategies of the Underlying PIMCO Fund are not generally designed or expected to produce returns which replicate the performance of the particular index, and the degree of variation could be substantial, particularly over longer periods. There are a number of factors which may prevent the Underlying PIMCO Fund, or the derivatives or other strategies used by the Underlying PIMCO Fund, from achieving desired correlation with an index, such as the impact of fees, expenses and transaction costs, the timing of pricing, and disruptions or illiquidity in the markets for derivative instruments or securities in which the Underlying PIMCO Fund invests. By investing in a derivative instrument, the Underlying PIMCO Fund could lose more than the initial amount invested, and **derivatives** may increase the volatility of the Underlying PIMCO Fund, especially in unusual or extreme market conditions. Also, suitable derivative transactions may not be available in all circumstances and there can be no assurance that an Underlying PIMCO Fund will engage in these transactions to reduce exposure to other risks when that would be beneficial or that, if used, such strategies will be successful. In addition, an Underlying PIMCO Fund’s use of **derivatives** may increase or accelerate the amount of taxes payable by shareholders. Over-the-counter (“OTC”) derivatives are also subject to the risk that a counterparty to the transaction will not fulfill its contractual obligations to the other party, as many of the protections afforded to centrally-cleared derivative transactions might not be available for OTC derivatives. For derivatives traded on an exchange or through a central counterparty, credit risk resides with the Underlying PIMCO Fund’s clearing broker, or the clearinghouse itself, rather than with a counterparty in an OTC derivative transaction.

Participation in the markets for **derivative** instruments involves investment risks and transaction costs to which an Underlying PIMCO Fund may not be subject absent the use of these strategies. The skills needed to successfully

execute **derivative** strategies may be different from those needed for other types of transactions. If an Underlying PIMCO Fund incorrectly forecasts the value and/or creditworthiness of securities, currencies, interest rates, counterparties or other economic factors involved in a **derivative** transaction, the Underlying PIMCO Fund might have been in a better position if the Underlying PIMCO Fund had not entered into such **derivative** transaction. In evaluating the risks and contractual obligations associated with particular **derivative** instruments, it is important to consider that certain **derivative** transactions may be modified or terminated only by mutual consent of the Underlying PIMCO Fund and its counterparty. Therefore, it may not be possible for an Underlying PIMCO Fund to modify, terminate, or offset the Underlying PIMCO Fund's obligations or the Underlying PIMCO Fund's exposure to the risks associated with a **derivative** transaction prior to its scheduled termination or maturity date, which may create a possibility of increased volatility and/or decreased liquidity to the Underlying PIMCO Fund. In such case, the Underlying PIMCO Fund may lose money.

Because the markets for certain **derivative** instruments (including markets located in foreign countries) are relatively new and still developing, appropriate **derivative** transactions may not be available in all circumstances for risk management or other purposes. Upon the expiration of a particular contract, an Underlying PIMCO Fund may wish to retain the Underlying PIMCO Fund's position in the **derivative** instrument by entering into a similar contract, but may be unable to do so if the counterparty to the original contract is unwilling to enter into the new contract and no other appropriate counterparty can be found. When such markets are unavailable, an Underlying PIMCO Fund will be subject to increased liquidity and investment risk.

When a **derivative** is used as a hedge against a position that an Underlying PIMCO Fund holds, any loss generated by the **derivative** generally should be substantially offset by gains on the hedged investment, and vice versa. Although hedging can reduce or eliminate losses, it can also reduce or eliminate gains. Hedges are sometimes subject to imperfect matching between the **derivative** and the underlying instrument, and there can be no assurance that an Underlying PIMCO Fund's hedging transactions will be effective.

The regulation of the derivatives markets has increased over the past several years and additional future regulation of the **derivatives** markets may make derivatives more costly, may limit the availability or reduce the liquidity of **derivatives**, or may otherwise adversely affect the value or performance of **derivatives**. Any such adverse future developments could impair the effectiveness or raise the costs of an Underlying PIMCO Fund's **derivative** transactions, impede the employment of the Underlying PIMCO Fund's derivatives strategies, or adversely affect the Underlying PIMCO Fund's performance.

## Futures Contract Risk

A futures contract is an exchange-traded contract to buy or sell an underlying asset, such as a security, currency or commodity, for a set price on a future date. The risks associated with an Underlying PIMCO Fund's use of derivative instruments, including futures contracts, are discussed in more detail under "Characteristics and Risks of Securities and Investment

Techniques – Derivatives" in this prospectus and under "Investment Objectives and Policies" in the SAI. The purchase or sale of a futures contract may result in losses in excess of the amount invested in the futures contract. There can be no guarantee that there will be a correlation between price movements in the futures contract and the underlying asset. In addition, there are significant differences between the futures market and the markets for underlying assets, which could result in an imperfect correlation between the markets. The degree of imperfect correlation depends on circumstances such as variations in speculative market demand for futures and futures options on underlying assets, including technical influences in futures trading and futures options, and differences between the futures contract and underlying asset due to factors such as interest rate levels, maturities, and creditworthiness of issuers.

Futures contracts are traded on exchanges, so that, in most cases, a party can close out its position on the exchange for cash, without delivering the underlying asset. Because the futures utilized by certain Underlying PIMCO Funds are exchange-traded, the primary credit risk on futures contracts resides with the Underlying PIMCO Fund's clearing broker or the clearinghouse. Changes in regulation relating to a mutual fund's use of derivatives and related instruments could potentially limit or impact the Underlying PIMCO Fund's ability to invest in derivatives, limit an Underlying PIMCO Fund's ability to employ certain strategies that use derivatives and/or adversely affect the value of derivatives and the Portfolio's performance. Futures exchanges may limit the amount of fluctuation permitted in certain futures contract prices during a single trading day. There can be no assurance that a liquid market will exist at a time when an Underlying PIMCO Fund seeks to close out a futures or a futures option position, and that Underlying PIMCO Fund would remain obligated to meet margin requirements until the position is closed.

In addition, certain futures contracts may be relatively new instruments without a significant trading history. As a result, there can be no assurance that an active secondary market will develop or continue to exist.

## Model Risk

In making investment allocation decisions for a Portfolio or certain Underlying PIMCO Funds, as applicable, PIMCO or the Sub-Adviser, as applicable, may utilize quantitative models that may be proprietary or developed by third-parties. These models are used by PIMCO or the Sub-Adviser, as applicable, to determine (or assist in determining) the Portfolio's or Underlying PIMCO Fund's target asset allocation and to identify potentially attractive relative value and risk hedging strategies. The investment models used in making investment allocation decisions may not adequately take into account certain factors, may contain design flaws or faulty assumptions, and may rely on incomplete or inaccurate data, any of which may result in a decline in the value of an investment in a Portfolio or Underlying PIMCO Fund. There can be no assurance that the models used by PIMCO or the Sub-Adviser, as applicable, will remain viable, due to various factors, including the quality of the data input into the models and the assumptions underlying such models, which to varying degrees involve the exercise of judgment, as well as the possibility of errors in constructing or using the model. In addition, in constructing the underlying index of, or model portfolio for, an Underlying PIMCO Fund that seeks to track the

investment results of such underlying index or model portfolio, the index provider or sub-adviser, as applicable, may utilize quantitative models or methodologies that may be proprietary or developed by third-parties. These models and methodologies are used to help determine the composition of the underlying index or model portfolio and may not adequately take into account certain factors, resulting in a decline in the value of the underlying index or model portfolio and, therefore, the Underlying PIMCO Fund.

Models rely on accurate market data inputs. If inaccurate market data is entered into a model, the resulting information will be incorrect. In addition, the models used may be predictive in nature and such models may result in an incorrect assessment of future events. The models evaluate securities or securities markets based on certain assumptions concerning the interplay of market factors. The markets or the prices of individual securities may be affected by factors not foreseen in developing the models. In addition, when relying on a quantitative model and/or data supplied by third parties, PIMCO or the Sub-Adviser may have less insight into the construction, coding or testing of the third-party model or data, and PIMCO and the Sub-Adviser will be exposed to systems, cyber security and other risks associated with the third party that provides the model or data.

The use of models can be complex and involves financial, economic, econometric and statistical theories, research and modeling; and the results of those processes must then be translated into computer code. Although PIMCO and the Sub-Adviser seek to hire individuals and/or third parties, as applicable, skilled in each of these functions and to provide appropriate levels of oversight, the complexity of the individual tasks, the difficulty of integrating such tasks, and the limited ability to perform “real world” testing of a model’s end product raises the chances that a finished model may contain an error; one or more of such errors could adversely affect a Portfolio’s or an Underlying PIMCO Fund’s performance.

## Commodity Risk

An Underlying PIMCO Fund’s investments in commodity-linked derivative instruments may subject the Underlying PIMCO Fund to greater volatility than investments in traditional securities. The value of commodity-linked derivative instruments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, livestock disease, embargoes, tariffs and international economic, political and regulatory developments. The prices for commodities in those sectors may fluctuate widely due to factors such as changes in value, supply and demand and governmental regulatory policies.

## Equity Risk

**Equity securities** represent an ownership interest, or the right to acquire an ownership interest, in an issuer. **Equity securities** also include, among other things, preferred securities, convertible stocks and warrants. The values of **equity securities**, such as common stocks and preferred securities, may decline due to general market conditions which are not specifically related to a particular company, such as real or perceived adverse economic conditions, changes in the general outlook for corporate earnings, changes in interest or currency rates or adverse investor sentiment generally. They may also decline due to factors which affect a particular industry or industries, such as labor shortages or increased production costs and

competitive conditions within an industry. **Equity securities** generally have greater price volatility than fixed income securities. These risks are generally magnified in the case of equity investments in distressed companies.

## Mortgage-Related and Other Asset-Backed Securities Risk

**Mortgage-related and other asset-backed securities** represent interests in “pools” of mortgages or other assets such as consumer loans or receivables held in trust and often involve risks that are different from or possibly more acute than risks associated with other types of debt instruments. Generally, rising interest rates tend to extend the duration of fixed rate mortgage-related securities, making them more sensitive to changes in interest rates. As a result, in a period of rising interest rates, if an Underlying PIMCO Fund holds mortgage-related securities, it may exhibit additional volatility since individual mortgage holders are less likely to exercise prepayment options, thereby putting additional downward pressure on the value of these securities and potentially causing the Underlying PIMCO Fund to lose money. This is known as extension risk. Mortgage-backed securities can be highly sensitive to rising interest rates, such that even small movements can cause an investing Underlying PIMCO Fund to lose value. Mortgage-backed securities, and in particular those not backed by a government guarantee, are subject to credit risk. In addition, adjustable and fixed rate mortgage-related securities are subject to prepayment risk. When interest rates decline, borrowers may pay off their mortgages sooner than expected. This can reduce the returns of an Underlying PIMCO Fund because the Underlying PIMCO Fund may have to reinvest that money at the lower prevailing interest rates. An Underlying PIMCO Fund’s investments in other asset-backed securities are subject to risks similar to those associated with mortgage-related securities, as well as additional risks associated with the nature of the assets and the servicing of those assets. Payment of principal and interest on asset-backed securities may be largely dependent upon the cash flows generated by the assets backing the securities, and asset-backed securities may not have the benefit of any security interest in the related assets.

## Foreign (Non-U.S.) Investment Risk

Certain Underlying PIMCO Funds may invest in **foreign (non-U.S.) securities** and may experience more rapid and extreme changes in value than portfolios that invest exclusively in securities of U.S. companies. The securities markets of many foreign countries are relatively small, with a limited number of companies representing a small number of industries. Additionally, issuers of foreign (non-U.S.) securities are usually not subject to the same degree of regulation as U.S. issuers.

Reporting, accounting and auditing standards of foreign countries differ, in some cases significantly, from U.S. standards. Global economies and financial markets are becoming increasingly interconnected, and conditions and events in one country, region or financial market may adversely impact issuers in a different country, region or financial market. Also, nationalization, expropriation or confiscatory taxation, currency blockage, political changes or diplomatic developments could adversely affect the Underlying PIMCO Fund’s investments in a foreign country. In the event of nationalization, expropriation or other confiscation, the Underlying PIMCO Fund could lose its entire investment in foreign (non-U.S.) securities.



Adverse conditions in a certain region can adversely affect securities of other countries whose economies appear to be unrelated. To the extent that an Underlying PIMCO Fund invests a significant portion of its assets in a specific geographic region, the Underlying PIMCO Fund will generally have more exposure to regional economic risks associated with foreign (non-U.S.) investments. Foreign (non-U.S.) securities may also be less liquid and more difficult to value than securities of U.S. issuers.

## Real Estate Risk

Underlying PIMCO Funds that invest in **real estate investment trusts** ("REITs") or real estate-linked derivative instruments are subject to risks similar to those associated with direct ownership of real estate, including losses from casualty or condemnation, and changes in local and general economic conditions, supply and demand, interest rates, zoning laws, regulatory limitations on rents, property taxes and operating expenses. An investment in a REIT or a real estate-linked derivative instrument that is linked to the value of a REIT is subject to additional risks, such as poor performance by the manager of the REIT, adverse changes to the tax laws or failure by the REIT to qualify for tax-free pass-through of income under the Internal Revenue Code of 1986, as amended (the "Code"). In addition, some REITs have limited diversification because they invest in a limited number of properties, a narrow geographic area, or a single type of property. Also, the organizational documents of a REIT may contain provisions that make changes in control of the REIT difficult and time-consuming. Finally, private REITs are not traded on a national securities exchange. As such, these products are generally illiquid. This reduces the ability of an Underlying PIMCO Fund to redeem its investment early. Private REITs are also generally harder to value and may bear higher fees than public REITs.

## Emerging Markets Risk

Foreign (non-U.S.) investment risk may be particularly high to the extent an Underlying PIMCO Fund invests in **emerging market securities**.

**Emerging market securities** may present market, credit, currency, liquidity, legal, political and other risks different from, and potentially greater than, the risks of investing in securities and instruments economically tied to developed foreign countries. To the extent an Underlying PIMCO Fund invests in **emerging market securities** that are economically tied to a particular region, country or group of countries, the Underlying PIMCO Fund may be more sensitive to adverse political or social events affecting that region, country or group of countries. Economic, business, political, or social instability may affect **emerging market securities** differently, and often more severely, than developed market securities. An Underlying PIMCO Fund that focuses its investments in multiple asset classes of **emerging market securities** may have a limited ability to mitigate losses in an environment that is adverse to **emerging market securities** in general. **Emerging market securities** may also be more volatile, less liquid and more difficult to value than securities economically tied to developed foreign countries. The systems and procedures for trading and settlement of securities in emerging markets are less developed and less transparent and transactions may take longer to settle. Rising interest rates, combined with widening credit spreads, could negatively impact the value of emerging market debt and increase funding

costs for foreign issuers. In such a scenario, foreign issuers might not be able to service their debt obligations, the market for emerging market debt could suffer from reduced liquidity, and any investing Underlying PIMCO Funds could lose money.

## Sovereign Debt Risk

Sovereign debt risk is the risk that **fixed income instruments** issued by sovereign entities may decline in value as a result of default or other adverse credit event resulting from an issuer's inability or unwillingness to make principal or interest payments in a timely fashion. A sovereign entity's failure to make timely payments on its debt can result from many factors, including, without limitation, insufficient **foreign currency** reserves or an inability to sufficiently manage fluctuations in relative currency valuations, an inability or unwillingness to satisfy the demands of creditors and/or relevant supranational entities regarding debt service or economic reforms, the size of the debt burden relative to economic output and tax revenues, cash flow difficulties, and other political and social considerations. The risk of loss to the Portfolio in the event of a sovereign debt default or other adverse credit event is heightened by the unlikelihood of any formal recourse or means to enforce its rights as a holder of the sovereign debt. In addition, sovereign debt restructurings, which may be shaped by entities and factors beyond the Portfolio's control, may result in a loss in value of the Portfolio's sovereign debt holdings.

## Currency Risk

If an Underlying PIMCO Fund invests directly in **foreign (non-U.S.) currencies** or in securities that trade in, and receive revenues in, **foreign (non-U.S.) currencies**, or in **derivatives** that provide exposure to **foreign (non-U.S.) currencies**, it will be subject to the risk that those currencies will decline in value relative to the U.S. dollar, or, in the case of hedging positions, that the U.S. dollar will decline in value relative to the currency being hedged.

Currency rates in foreign (non-U.S.) countries may fluctuate significantly over short periods of time for a number of reasons, including changes in interest rates, intervention (or the failure to intervene) by U.S. or foreign (non-U.S.) governments, central banks or supranational entities such as the International Monetary Fund, or by the imposition of currency controls or other political developments in the United States or abroad. As a result, an Underlying PIMCO Fund's investments in foreign currency-denominated securities may reduce the returns of the Portfolio.

Currency risk may be particularly high to the extent that an Underlying PIMCO Fund invests in **foreign (non-U.S.) currencies** or engages in foreign currency transactions that are economically tied to emerging market countries. These currency transactions may present market, credit, currency, liquidity, legal, political and other risks different from, or greater than, the risks of investing in developed **foreign (non-U.S.) currencies** or engaging in foreign currency transactions that are economically tied to developed foreign countries.

## Issuer Non-Diversification Risk

Focusing investments in a small number of issuers increases risk. Underlying PIMCO Funds that are "non-diversified" may invest a greater percentage of their assets in the securities of a single issuer (such as bonds

issued by a particular state) than Underlying PIMCO Funds that are “diversified.” Underlying PIMCO Funds that invest in a relatively small number of issuers are more susceptible to risks associated with a single economic, political or regulatory occurrence than a more diversified portfolio might be. Some of those issuers also may present substantial credit or other risks.

To the extent that the Portfolio invests a significant portion of its assets in an Underlying PIMCO Fund, the Portfolio will be particularly sensitive to the risks associated with that Underlying PIMCO Fund. For a discussion of risks associated with Underlying PIMCO Funds, please see “Fund of Funds Risk” above.

## Leveraging Risk

Certain transactions may give rise to a form of leverage. Such transactions may include, among others, **reverse repurchase agreements, loans of portfolio securities**, and the use of **when-issued, delayed delivery or forward commitment transactions**. The use of **derivatives** may also create leveraging risk. In accordance with federal securities laws, rules, and staff positions, PIMCO will mitigate its leveraging risk by segregating or “earmarking” liquid assets or otherwise covering transactions that may give rise to such risk. Underlying PIMCO Funds also may be exposed to leveraging risk by **borrowing** money for investment purposes. Leveraging may cause an Underlying PIMCO Fund to liquidate portfolio positions to satisfy its obligations or to meet segregation requirements when it may not be advantageous to do so. Leveraging, including **borrowing**, may cause an Underlying PIMCO Fund to be more volatile than if the Underlying PIMCO Fund had not been leveraged. This is because leveraging tends to exaggerate the effect of any increase or decrease in the value of the Underlying PIMCO Fund’s portfolio securities. Certain types of leveraging transactions, such as short sales that are not “against the box,” could theoretically be subject to unlimited losses in cases where an Underlying PIMCO Fund, for any reason, is unable to close out the transaction. In addition, to the extent an Underlying PIMCO Fund borrows money, interest costs on such borrowings may not be recovered by any appreciation of the securities purchased with the borrowed amounts and could exceed an Underlying PIMCO Fund’s investment returns, resulting in greater losses. Moreover, to make payments of interest and other loan costs, an Underlying PIMCO Fund may be forced to sell portfolio securities when it is not otherwise advantageous to do so.

## Smaller Company Risk

The general risks associated with fixed income securities and **equity securities** are particularly pronounced for securities issued by companies with smaller market capitalizations. These companies may have limited product lines, markets or financial resources or they may depend on a few key employees. As a result, they may be subject to greater levels of credit, market and issuer risk. Securities of smaller companies may trade less frequently and in lesser volumes than more widely held securities and their values may fluctuate more sharply than other securities. Companies with medium-sized market capitalizations may have risks similar to those of smaller companies.

## Management Risk

Certain Underlying PIMCO Funds are subject to management risk because they are actively managed investment portfolios. PIMCO or the sub-adviser, as applicable, and each individual portfolio manager will apply investment techniques and risk analysis in making investment decisions for the Underlying PIMCO Funds, but there can be no guarantee that these decisions will produce the desired results. Certain securities or other instruments in which an Underlying PIMCO Fund seeks to invest may not be available in the quantities desired. In addition, regulatory restrictions, actual or potential conflicts of interest or other considerations may cause PIMCO to restrict or prohibit participation in certain investments. In such circumstances, PIMCO or the individual portfolio managers may determine to purchase other securities or instruments as substitutes. Such substitute securities or instruments may not perform as intended, which could result in losses to the Underlying PIMCO Fund. To the extent the Underlying PIMCO Fund employs strategies targeting perceived pricing inefficiencies, arbitrage strategies or similar strategies, it is subject to the risk that the pricing or valuation of the securities and instruments involved in such strategies may change unexpectedly, which may result in reduced returns or losses to the Underlying PIMCO Fund. Additionally, legislative, regulatory, or tax restrictions, policies or developments may affect the investment techniques available to PIMCO and each individual portfolio manager in connection with managing the Underlying PIMCO Funds and may also adversely affect the ability of the Underlying PIMCO Funds to achieve their investment objectives. There also can be no assurance that all of the personnel of PIMCO will continue to be associated with PIMCO for any length of time. The loss of services of one or more key employees of PIMCO could have an adverse impact on an Underlying PIMCO Fund’s ability to realize its investment objective.

Because a number of Underlying PIMCO Funds obtain exposure to certain proprietary model stock portfolios by investing in equity total return swaps based on such model portfolios, in other securities and instruments to replicate the performance of such model portfolios, or directly in the equity securities held in such model portfolios, such Underlying PIMCO Funds will be subject to the risks associated with the management of these proprietary model stock portfolios by the sub-adviser to such Underlying PIMCO Funds.

## Short Exposure Risk

An Underlying PIMCO Fund’s **short sales**, if any, are subject to special risks. A **short sale** involves the sale by the Underlying PIMCO Fund of a security that it does not own with the hope of purchasing the same security at a later date at a lower price. An Underlying PIMCO Fund may also enter into a short position through a forward commitment or a short derivative position through a futures contract or swap agreement. If the price of the security or derivative has increased during this time, then the Underlying PIMCO Fund will incur a loss equal to the increase in price from the time that the **short sale** was entered into plus any transaction costs (i.e., premiums and interest) paid to the broker-dealer to borrow securities. Therefore, **short sales** involve the risk that losses may be exaggerated, potentially losing more money than the actual cost of the investment. By contrast, a loss on a long position arises from decreases in the value of the security and is limited by the fact that a security’s value cannot decrease below zero.

By investing the proceeds received from selling securities short, an Underlying PIMCO Fund could be deemed to be employing a form of leverage, which creates special risks. The use of leverage may increase an Underlying PIMCO Fund's exposure to long security positions and make any change in the Underlying PIMCO Fund's NAV greater than it would be without the use of leverage. This could result in increased volatility of returns. There is no guarantee that any leveraging strategy an Underlying PIMCO Fund employs will be successful during any period in which it is employed.

In times of unusual or adverse market, economic, regulatory or political conditions, an Underlying PIMCO Fund may not be able, fully or partially, to implement its short selling strategy. Periods of unusual or adverse market, economic, regulatory or political conditions generally may exist for as long as six months and, in some cases, much longer. Also, there is the risk that the third party to the **short sale** will not fulfill its contractual obligations, causing a loss to the Underlying PIMCO Fund.

## Tax Risk

The PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund in which the Portfolio may invest, gain exposure to the commodities markets through investments in commodity-linked derivative instruments, including commodity index-linked notes, swap agreements, commodity options, futures, and options on futures. The PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund may also gain exposure indirectly to commodity markets by investing in their respective subsidiaries (the "Subsidiaries"), which invest primarily in commodity-linked derivative instruments backed by a portfolio of inflation-indexed securities and/or other Fixed Income Instruments. In order for each Underlying PIMCO Fund to qualify as a regulated investment company under Subchapter M of the Code, the Underlying PIMCO Fund must derive at least 90 percent of its gross income each taxable year from certain qualifying sources of income.

As more fully described below under "Tax Consequences-A Note on the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund," the IRS issued a revenue ruling which holds that income derived from commodity-linked swaps is not qualifying income under Subchapter M of the Code. However, the IRS has issued a private letter ruling to the Underlying PIMCO Funds in which the IRS specifically concluded that income from certain commodity index-linked notes is qualifying income (collectively, the "Notes Rulings"). In addition, the IRS has also issued another private letter ruling to the Underlying PIMCO Fund in which the IRS specifically concluded that income derived from the Underlying PIMCO Fund's investment in its Subsidiary will also constitute qualifying income to each Underlying PIMCO Fund. Under IRS regulations, income derived from a controlled foreign corporation will be considered qualifying income if an Underlying PIMCO Fund's investment in the subsidiary is derived with respect to the Underlying PIMCO Fund's business of investing in securities. An IRS revenue procedure states that the IRS will not in the future issue private letter rulings that would require a

determination of whether an asset (such as a commodity index-linked note) is a "security" under the Investment Company Act of 1940, as amended (the "1940 Act"). In connection with issuing such revenue procedure, the IRS has revoked the Notes Rulings.

Each Underlying PIMCO Fund will seek to gain exposure to the commodity markets primarily through investments in commodity index-linked notes and through investments in its respective Subsidiary. If the IRS were to determine that income derived from certain commodity-linked notes or from investments in the Subsidiary does not constitute qualifying income, the Portfolio and certain Underlying PIMCO Funds, including the PIMCO CommodityRealReturn Strategy Fund®, PIMCO CommoditiesPLUS® Strategy Fund and PIMCO TRENDS Managed Futures Strategy Fund, might be adversely affected and would be required to reduce their exposure to such investments which might result in difficulty in implementing their investment strategies and increased costs and taxes. The use of commodity index-linked notes and investments in the Subsidiaries involve specific risks. See "Characteristics and Risks of Securities and Investment Techniques-Derivatives-A Note on the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund," below for further information regarding commodity index-linked notes, including the risks associated with these instruments. In addition, see "Characteristics and Risks of Securities and Investment Techniques-Investments in a Wholly-Owned Subsidiary" below for further information regarding the Subsidiaries, including the risks associated with investing in the Subsidiaries.

To the extent the Portfolio invests in the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund®, or PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund, the use of the above noted investments by the Underlying PIMCO Fund could subject the shareholders of the Portfolio to risks similar to those borne by shareholders of the PIMCO CommodityRealReturn® Strategy and PIMCO Global Multi-Asset Managed Allocation Portfolios. See "Tax Consequences."

## Subsidiary Risk

By investing in their respective Subsidiaries, the PIMCO CommodityRealReturn Strategy Fund®, PIMCO CommoditiesPLUS® Strategy Fund and PIMCO TRENDS Managed Futures Strategy Fund, Underlying PIMCO Funds, are indirectly exposed to the risks associated with the respective Subsidiary's investments. The investments held by the Subsidiaries are generally similar to those that are permitted to be held by these Underlying PIMCO Funds and are subject to the same risks that apply to similar investments if held directly by the PIMCO CommodityRealReturn Strategy Fund®, PIMCO CommoditiesPLUS® Strategy Fund or PIMCO TRENDS Managed Futures Strategy Fund. These risks are described elsewhere in this prospectus. There can be no assurance that the investment objectives of the Underlying PIMCO Funds or the Subsidiaries will be achieved.

The Subsidiaries are not registered under the 1940 Act, and, unless otherwise noted in this prospectus, are not subject to all the investor protections of the 1940 Act. In addition, changes in the laws of the United States and/or the Cayman Islands could result in the inability of PIMCO

CommodityRealReturn Strategy Fund®, PIMCO CommoditiesPLUS® Strategy Fund and PIMCO TRENDS Managed Futures Strategy Fund and/or the Subsidiaries to operate as described in this prospectus and the SAI and could adversely affect the PIMCO CommodityRealReturn Strategy Fund®, PIMCO CommoditiesPLUS® Strategy Fund and PIMCO TRENDS Managed Futures Strategy Fund and, to the extent the Portfolio invests in the PIMCO CommodityRealReturn Strategy Fund®, PIMCO CommoditiesPLUS® Strategy Fund and PIMCO TRENDS Managed Futures Strategy Fund, the Portfolio. Changes in the laws of the United States and/or the Cayman Islands could adversely affect the performance of an Underlying PIMCO Fund and/or a Subsidiary and result in the Underlying PIMCO Fund underperforming its benchmark index(es).

## Value Investing Risk

Value investing attempts to identify companies that a portfolio manager believes to be undervalued. Value stocks typically have prices that are low relative to factors such as the company's earnings, cash flow or dividends. A value stock may decrease in price or may not increase in price as anticipated by PIMCO if it continues to be undervalued by the market or the factors that the portfolio manager believes will cause the stock price to increase do not occur. A value investing style may perform better or worse than equity portfolios that focus on growth stocks or that have a broader investment style.

## Arbitrage Risk

An Underlying PIMCO Fund that invests in securities purchased pursuant to an arbitrage strategy in order to take advantage of a perceived relationship between the value of two securities presents certain risks. Securities purchased or sold short pursuant to an arbitrage strategy may not perform as intended, which may result in a loss to the Underlying PIMCO Fund. Additionally, issuers of a security purchased pursuant to an arbitrage strategy are often engaged in significant corporate events, such as restructurings, acquisitions, mergers, takeovers, tender offers or exchanges, or liquidations. Such corporate events may not be completed as initially planned or may fail.

## Convertible Securities Risk

Convertible securities are fixed income securities, preferred securities or other securities that are convertible into or exercisable for common stock of the issuer (or cash or securities of equivalent value) at either a stated price or a stated rate. The market values of **convertible securities** may decline as interest rates increase and, conversely, may increase as interest rates decline. A **convertible security's** market value, however, tends to reflect the market price of the common stock of the issuing company when that stock price approaches or is greater than the **convertible security's** "conversion price." The conversion price is defined as the predetermined price at which the **convertible security** could be exchanged for the associated stock. As the market price of the underlying common stock declines, the price of the **convertible security** tends to be influenced more by the yield of the **convertible security**. Thus, it may not decline in price to the same extent as the underlying common stock. In the event of a liquidation of the issuing company, holders of **convertible securities** may be paid before the company's common stockholders but after holders of

any senior debt obligations of the company. Consequently, the issuer's **convertible securities** generally entail less risk than its common stock but more risk than its debt obligations.

Synthetic convertible securities involve the combination of separate securities that possess the two principal characteristics of a traditional convertible security (i.e., an income-producing component and a right to acquire an equity security). Synthetic convertible securities are often achieved, in part, through investments in warrants or options to buy common stock (or options on a stock index), and therefore are subject to the risks associated with **derivatives**. The value of a synthetic **convertible security** will respond differently to market fluctuations than a traditional **convertible security** because a synthetic convertible is composed of two or more separate securities or instruments, each with its own market value. Because the convertible component is typically achieved by investing in warrants or options to buy common stock at a certain exercise price, or options on a stock index, synthetic **convertible securities** are subject to the risks associated with derivatives. In addition, if the value of the underlying common stock or the level of the index involved in the convertible component falls below the exercise price of the warrant or option, the warrant or option may lose all value.

## Exchange-Traded Fund ("ETF") Risk

Investments in ETFs entail certain risks. Investments in ETFs designed to track an index involve the risk that the ETF's performance may not track the performance of the index the ETF is designed to track. This deviation may occur due to cash inflows and outflows from and to investors buying and redeeming shares or due to occasional differences between the composition of the index and the securities held by the ETF. In addition, investments in ETFs involve the risk that the market prices of ETF shares will fluctuate, sometimes rapidly and materially, in response to changes in the ETF's NAV, the value of ETF holdings and supply and demand for ETF shares. Although ETFs will generally trade close to NAV, market volatility, lack of an active trading market for ETF shares, disruptions at market participants (such as Authorized Participants or market makers) and any disruptions in the ordinary functioning of the creation/redemption process may result in ETF shares trading significantly above (at a "premium") or below (at a "discount") NAV. Significant losses may result when transacting in ETF shares in these and other circumstances.

## Tracking Error Risk

An Underlying PIMCO Fund that seeks to track the investment results of an index may not invest in every component security of its underlying index. Imperfect correlation between an Underlying PIMCO Fund's portfolio and its underlying index, asset valuation, timing variances, changes to the underlying index and regulatory requirements may cause the Underlying PIMCO Fund's performance to diverge from the performance of its underlying index. Tracking error may also result because an Underlying PIMCO Fund incurs fees and expenses while its underlying index does not incur such fees and expenses. Such expenses include the costs of buying and selling securities, such as when an Underlying PIMCO Fund rebalances its portfolio to reflect changes in the composition of the underlying index. These expenses may be higher for an Underlying PIMCO Fund investing in foreign (non-U.S.) securities. The performance of an Underlying PIMCO Fund

and the underlying index may vary due to differences between the Underlying PIMCO Fund's portfolio and the underlying index due to legal restrictions, cost or liquidity restraints. The risk that performance of an Underlying PIMCO Fund and the underlying index may vary may be heightened during periods of market volatility or other unusual market conditions. Because an underlying index is not subject to the tax diversification requirements to which an Underlying PIMCO Fund must adhere, the Underlying PIMCO Fund may be required to deviate its investments from the securities and relative weightings of its underlying index. For tax efficiency purposes, an Underlying PIMCO Fund may sell certain securities to realize losses, which will result in a deviation from its underlying index. An Underlying PIMCO Fund may not be fully invested at times either as a result of cash flows into the Fund or reserves of cash held by the Fund to meet redemptions and to pay expenses. In addition, if an Underlying PIMCO Fund uses a representative sampling approach, this approach may cause the Underlying PIMCO Fund to be less correlated with the return of the underlying index than if the Underlying PIMCO Fund held all of the securities in the underlying index with the same relative weightings as the underlying index.

## **Indexing Risk**

Certain Underlying PIMCO Funds use an indexing approach and may be affected by a general decline in market segments or asset classes relating to their underlying indexes. Those Underlying PIMCO Funds invest in securities and instruments included in, or representative of, their underlying indexes regardless of the investment merits of the underlying indexes. Additionally, errors in the construction or calculation of an Underlying PIMCO Fund's underlying index may occur from time to time, and the index provider may not identify or correct such errors for some period of time. Any such underlying index construction or calculation error may adversely impact the Underlying PIMCO Fund.

## **Disclosure of Portfolio Holdings**

Please see "Disclosure of Portfolio Holdings" in the SAI for information about the availability of the complete schedule of the Portfolio's holdings.

## Management of the Portfolio

### Investment Adviser and Administrator

PIMCO serves as the investment adviser and the administrator (serving in its capacity as investment adviser, the “Investment Adviser,” and serving in its capacity as administrator, the “Administrator”) for the Portfolio. Subject to the supervision of the Board of Trustees of PIMCO Variable Insurance Trust (the “Trust”), PIMCO is responsible for managing the investment activities of the Portfolio and the Portfolio’s business affairs and other administrative matters.

PIMCO is located at 650 Newport Center Drive, Newport Beach, CA 92660. Organized in 1971, PIMCO provides investment management and advisory services to private accounts of institutional and individual clients and to mutual funds. As of March 31, 2019, PIMCO had approximately \$1.76 trillion in assets under management.

PIMCO has engaged Research Affiliates, LLC, a California limited liability company (“Research Affiliates”), to serve as the asset allocation sub-adviser to the Portfolio. Research Affiliates was organized in 2002 and is located at 620 Newport Center Drive, Suite 900, Newport Beach, CA 92660. As asset allocation sub-adviser for the Portfolio, Research Affiliates is responsible for recommending how the assets of the Portfolio are allocated and reallocated from time to time among the Underlying PIMCO Funds.

### Management Fees

The Portfolio pays for the advisory and supervisory and administrative services it requires under what is essentially an all-in fee structure. The Management Fees shown in the Annual Portfolio Operating Expenses table reflect both an advisory fee and a supervisory and administrative fee. For the fiscal year ended December 31, 2018, the Portfolio paid aggregate Management Fees to PIMCO at the annual rate of 0.425% (stated as a percentage of the average daily net assets of the Portfolio).

- **Advisory Fee.** The Portfolio pays PIMCO fees in return for providing investment advisory services. For the fiscal year ended December 31, 2018, the Portfolio paid monthly advisory fees to PIMCO at the annual rate of 0.175% (stated as a percentage of the average daily net assets of the Portfolio).

A discussion of the basis for the Board of Trustees’ approval of the Portfolio’s investment advisory contract and asset allocation sub-advisory agreement is available in the Portfolio’s Annual Report to shareholders for the fiscal year ended December 31, 2018.

- **Supervisory and Administrative Fee.** The Portfolio pays for the supervisory and administrative services it requires under what is essentially an all-in fee structure. Class M shareholders of the Portfolio pay a supervisory and administrative fee to PIMCO, computed as a percentage of the Portfolio’s assets attributable in the aggregate to that class of shares. PIMCO, in turn, provides or procures supervisory and administrative services for shareholders and also bears the costs of various third-party services required by the Portfolio, including audit, custodial, portfolio accounting, legal, transfer agency and printing costs. The Portfolio bears other expenses which are not covered under the supervisory and administrative fee which may vary and affect the total level of expenses paid by the Class M shareholders, such as taxes and governmental fees, brokerage fees, commissions and other transaction expenses, organizational expenses, costs of borrowing money, including interest expenses and extraordinary expenses (such as litigation and indemnification expenses). PIMCO generally earns a profit on the supervisory and administrative fee paid by the Portfolio. Also, under the terms of the supervision and administration agreement, PIMCO, and not Portfolio shareholders, would benefit from any price decreases in third-party services, including decreases resulting from an increase in net assets.

For the fiscal year ended December 31, 2018, the Portfolio paid PIMCO monthly supervisory and administrative fees for Class M shares at the annual rate of 0.25% (stated as a percentage of the average daily net assets of the Portfolio).

### Expense Limitation Agreement

Pursuant to the Expense Limitation Agreement, PIMCO has agreed to waive a portion of the Portfolio’s supervisory and administrative fees, or reimburse the Portfolio, to the extent that the Portfolio’s organizational expenses, pro rata share of expenses related to obtaining or maintaining a Legal Entity Identifier and pro rata share of Trustee fees exceed 0.0049% (the “Expense Limit”) (calculated as a percentage of average daily net assets attributable to each class). The Expense Limitation Agreement will automatically renew for one-year terms unless PIMCO provides written notice to the Trust at least 30 days prior to the end of the then current term. In any month in which the supervision and administration agreement is in effect, PIMCO is entitled to reimbursement by the Portfolio of any portion of the supervisory and administrative fee waived or reimbursed as set forth above (the “Reimbursement Amount”) during the previous thirty-six months, provided that such amount paid to PIMCO will not: 1) together with any organizational expenses, pro rata share of expenses related to obtaining or maintaining a Legal Entity Identifier and pro rata Trustee fees, exceed, for such month, the Expense Limit; 2) exceed the total Reimbursement Amount; or 3) include any amounts previously reimbursed to PIMCO.

### Fund of Funds Fees

The Portfolio is permitted to invest in Underlying PIMCO Funds, which, for the Portfolio, is defined to include the least expensive class of shares of any actively managed or smart beta funds (including mutual funds or exchange-traded funds) of PIMCO Funds, PIMCO ETF Trust or PIMCO Equity Series, each an affiliated open-end investment company, except other funds of funds and series of PIMCO Funds sub-advised by Gurtin Municipal Bond Management.

The Portfolio pays advisory fees directly to PIMCO at an annual rate of 0.175% based on the average daily net assets attributable in the aggregate to the Portfolio's Class M shares. The Portfolio pays supervisory and administrative fees directly to PIMCO at an annual rate of 0.25% based on the average daily net assets attributable in the aggregate to the Portfolio's Class M shares. The Portfolio also indirectly pays its proportionate share of the advisory, supervisory and administrative and management fees charged by PIMCO to the Underlying PIMCO Funds and, to the extent not included among the Underlying PIMCO Funds, funds of PIMCO ETF Trust in which the Portfolio invests (collectively, "Underlying PIMCO Fund Fees").

PIMCO has contractually agreed, through May 1, 2020, to waive the Portfolio's advisory fee to the extent that the Underlying PIMCO Fund Fees exceed 0.64% of the total assets invested in Underlying PIMCO Funds. This waiver will automatically renew for one-year terms unless PIMCO provides written notice to the Trust at least 30 days prior to the end of the then current term. In any month in which the investment advisory contract is in effect, PIMCO is entitled to reimbursement by the Portfolio of any portion of the advisory fee waived as set forth above (the "Asset Allocation Reimbursement Amount") during the previous thirty-six months, provided that such amount paid to PIMCO will not: 1) together with any Underlying PIMCO Fund Fees exceed, for such month, the applicable expense limit; 2) exceed the total Asset Allocation Reimbursement Amount; or 3) include any amounts previously reimbursed to PIMCO.

The Acquired Fund Fees and Expenses shown in the Annual Portfolio Operating Expenses table for the Portfolio may be higher than the Underlying PIMCO Fund Fees used for purposes of the Expense Reduction shown in that table due to differences in the methods of calculation. The Acquired Fund Fees and Expenses, as required to be shown in the Annual Portfolio Operating Expenses table, are calculated using the total operating expenses for each Underlying PIMCO Fund over the Portfolio's average net assets. The Underlying PIMCO Fund Fees that are used for purposes of implementing the expense reduction described above are calculated using the advisory and supervisory and administrative fees for each Underlying PIMCO Fund over the total assets invested in Underlying PIMCO Funds. Thus, the Acquired Fund Fees and Expenses listed in the Annual Portfolio Operating Expenses table will typically be higher than the Underlying PIMCO Fund Fees used to calculate the Expense Reduction when the Portfolio employs leverage as an investment strategy.

The expenses associated with investing in a fund of funds are generally higher than those for mutual funds that do not invest in other funds. The cost of investing in the Portfolio will generally be higher than the cost of investing in a portfolio that invests directly in individual stocks and bonds. By investing in the Portfolio, an investor may indirectly bear a portion of the fees and expenses charged by Underlying PIMCO Funds, to the extent such fees and expenses are not waived or reimbursed pursuant to applicable waiver and reimbursement agreements, in addition to the Portfolio's direct fees and expenses. In addition, the use of a fund of funds structure could affect the timing, amount and character of distributions to shareholders and may therefore increase the amount of taxes payable by shareholders. The Portfolio invests in the least expensive class of shares of the Underlying PIMCO Funds, which are not subject to any sales charges or distribution (12b-1) fees.

The following table summarizes the annual expenses borne by Institutional Class or Class M shareholders of the Underlying PIMCO Funds (or, in the case of those operating as exchange-traded funds, the Underlying PIMCO Fund shareholders). Because the Portfolio invests in the least expensive class of shares of the Underlying PIMCO Funds, shareholders of the Portfolio would indirectly bear a proportionate share of these expenses, depending upon how the Portfolio's assets are allocated from time to time among the Underlying PIMCO Funds.

For a complete description of an Underlying PIMCO Fund, please see the Underlying PIMCO Fund's Institutional Class or Class M prospectus. For a summary description of the Underlying PIMCO Funds, please see the "Descriptions of the Underlying PIMCO Funds" section in this prospectus.

## Annual Underlying PIMCO Fund Expenses

(Based on the average daily net assets attributable to an Underlying PIMCO Fund's Institutional Class shares (or Class M shares in the case of the PIMCO Government Money Market Fund, or the Fund in the case of exchange-traded funds of the PIMCO ETF Trust or PIMCO Equity Series)).

Underlying PIMCO Fund	Management Fees <sup>(1)</sup>	Other Expenses <sup>(2)</sup>	Total Annual Fund Operating Expenses
PIMCO Active Bond Exchange-Traded Fund	0.55%	0.21%	0.76%
PIMCO California Intermediate Municipal Bond Fund	0.445%	0.00%	0.445%
PIMCO California Municipal Bond Fund	0.44%	0.06%	0.50%
PIMCO California Short Duration Municipal Income Fund	0.33%	0.00%	0.33%
PIMCO CommoditiesPLUS® Strategy Fund	0.74%	0.22%	0.96% <sup>(3)</sup>
PIMCO CommodityRealReturn Strategy Fund®	0.74%	0.65%	1.39% <sup>(4)</sup>
PIMCO Credit Opportunities Bond Fund	0.90%	0.01%	0.91%
PIMCO Diversified Income Fund	0.75%	0.02%	0.77%
PIMCO Dividend and Income Fund	0.79%	0.07%	0.86% <sup>(5)</sup>
PIMCO Dynamic Bond Fund	0.80%	0.08%	0.88% <sup>(6)</sup>
PIMCO Emerging Markets Bond Fund	0.83%	0.01%	0.84%
PIMCO Emerging Markets Corporate Bond Fund	0.90%	0.02%	0.92%

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Underlying PIMCO Fund	Management Fees <sup>(1)</sup>	Other Expenses <sup>(2)</sup>	Total Annual Fund Operating Expenses
PIMCO Emerging Markets Currency and Short-Term Investments Fund	0.85%	0.02%	0.87%
PIMCO Emerging Markets Local Currency and Bond Fund	0.90%	0.02%	0.92%
PIMCO Enhanced Low Duration Active Exchange-Traded Fund	0.46%	0.63%	1.09% <sup>(7)</sup>
PIMCO Enhanced Short Maturity Active Exchange-Traded Fund	0.35%	0.07%	0.42%
PIMCO EqS® Long/Short Fund	1.49%	0.57%	2.06% <sup>(5)</sup>
PIMCO Extended Duration Fund	0.50%	0.44%	0.94%
PIMCO Global Advantage® Strategy Bond Fund	0.65%	0.06%	0.71%
PIMCO Global Bond Opportunities Fund (U.S. Dollar-Hedged)	0.55%	0.04%	0.59%
PIMCO Global Bond Opportunities Fund (Unhedged)	0.55%	0.10%	0.65%
PIMCO GNMA and Government Securities Fund	0.50%	0.03%	0.53%
PIMCO Government Money Market Fund	0.18%	0.00%	0.18% <sup>(8)</sup>
PIMCO High Yield Fund	0.55%	0.02%	0.57%
PIMCO High Yield Municipal Bond Fund	0.55%	0.06%	0.61%
PIMCO High Yield Spectrum Fund	0.60%	0.02%	0.62%
PIMCO Income Fund	0.50%	0.24%	0.74%
PIMCO Intermediate Municipal Bond Active Exchange-Traded Fund	0.35%	0.00%	0.35%
PIMCO International Bond Fund (U.S. Dollar-Hedged)	0.50%	0.06%	0.56%
PIMCO International Bond Fund (Unhedged)	0.50%	0.09%	0.59%
PIMCO Investment Grade Credit Bond Fund	0.50%	0.09%	0.59%
PIMCO Long Duration Total Return Fund	0.50%	0.50%	1.00%
PIMCO Long-Term Credit Bond Fund	0.55%	0.30%	0.85%
PIMCO Long-Term Real Return Fund	0.55%	0.74%	1.29%
PIMCO Long-Term U.S. Government Fund	0.475%	0.30%	0.775%
PIMCO Low Duration Fund	0.46%	0.00%	0.46%
PIMCO Low Duration ESG Fund	0.50%	0.00%	0.50%
PIMCO Low Duration Fund II	0.50%	0.00%	0.50%
PIMCO Low Duration Income Fund	0.50%	0.05%	0.55%
PIMCO Moderate Duration Fund	0.46%	0.05%	0.51%
PIMCO Mortgage Opportunities and Bond Fund	0.60%	0.42%	1.02%
PIMCO Mortgage-Backed Securities Fund	0.50%	0.02%	0.52%
PIMCO Municipal Bond Fund	0.44%	0.04%	0.48%
PIMCO National Intermediate Municipal Bond Fund	0.45%	0.00%	0.45%
PIMCO New York Municipal Bond Fund	0.445%	0.04%	0.485%
PIMCO Preferred and Capital Securities Fund	0.79%	0.08%	0.87% <sup>(9)</sup>
PIMCO RAE Emerging Markets Fund	0.95%	0.02%	0.97% <sup>(5)(10)</sup>
PIMCO RAE Fundamental Advantage PLUS Fund	0.89%	0.07%	0.96%
PIMCO RAE International Fund	0.60%	0.02%	0.62% <sup>(5)(11)</sup>
PIMCO RAE Low Volatility PLUS EMG Fund	1.15%	0.27%	1.42% <sup>(12)</sup>
PIMCO RAE Low Volatility PLUS Fund	0.79%	0.08%	0.87%
PIMCO RAE Low Volatility PLUS International Fund	0.82%	0.10%	0.92%
PIMCO RAE PLUS EMG Fund	1.15%	0.03%	1.18%
PIMCO RAE PLUS Fund	0.79%	0.06%	0.85%
PIMCO RAE PLUS International Fund	0.82%	0.12%	0.94%
PIMCO RAE PLUS Small Fund	0.84%	0.05%	0.89%
PIMCO RAE US Fund	0.50%	0.02%	0.52% <sup>(5)(11)</sup>
PIMCO RAE US Small Fund	0.60%	0.03%	0.63% <sup>(5)(11)</sup>
PIMCO RAE Worldwide Long/Short PLUS Fund	1.19%	0.04%	1.23%
PIMCO RAFI Dynamic Multi-Factor Emerging Markets Equity ETF	0.49%	0.00%	0.49%
PIMCO RAFI Dynamic Multi-Factor International Equity ETF	0.39%	0.00%	0.39%



Underlying PIMCO Fund	Management Fees <sup>(1)</sup>	Other Expenses <sup>(2)</sup>	Total Annual Fund Operating Expenses
PIMCO RAFI Dynamic Multi-Factor U.S. Equity ETF	0.29%	0.00%	0.29%
PIMCO Real Return Fund	0.45%	0.43%	0.88%
PIMCO RealEstateRealReturn Strategy Fund	0.74%	0.52%	1.26%
PIMCO Senior Floating Rate Fund	0.70%	0.02%	0.72%
PIMCO Short Asset Investment Fund	0.34%	0.03%	0.37% <sup>(13)</sup>
PIMCO Short Duration Municipal Income Fund	0.33%	0.00%	0.33%
PIMCO Short Term Municipal Bond Active Exchange-Traded Fund	0.35%	0.00%	0.35%
PIMCO Short-Term Fund	0.45%	0.12%	0.57%
PIMCO StocksPLUS® Absolute Return Fund	0.64%	0.07%	0.71%
PIMCO StocksPLUS® Fund	0.50%	0.07%	0.57%
PIMCO StocksPLUS® International Fund (U.S. Dollar-Hedged)	0.75%	0.09%	0.84%
PIMCO StocksPLUS® International Fund (Unhedged)	0.64%	0.08%	0.72%
PIMCO StocksPLUS® Long Duration Fund	0.59%	0.26%	0.85%
PIMCO StocksPLUS® Short Fund	0.64%	0.02%	0.66%
PIMCO StocksPLUS® Small Fund	0.69%	0.10%	0.79%
PIMCO Strategic Bond Fund	0.55%	0.02%	0.57% <sup>(14)</sup>
PIMCO Total Return Fund	0.46%	0.09%	0.55%
PIMCO Total Return ESG Fund	0.50%	0.17%	0.67%
PIMCO Total Return Fund II	0.50%	0.07%	0.57%
PIMCO Total Return Fund IV	0.50%	0.03%	0.53%
PIMCO TRENDS Managed Futures Strategy Fund	1.40%	0.16%	1.56% <sup>(15)(16)</sup>

<sup>1</sup> "Management Fees" reflects an advisory fee and a supervisory and administrative fee payable by an Underlying Fund to PIMCO.

<sup>2</sup> Other Expenses include expenses such as organizational expenses, interest expense, taxes, governmental fees, pro rata Trustees' fees and acquired fund fees and expenses attributable to the Institutional Class or Class M shares, or the Fund in the case of exchange-traded funds of the PIMCO ETF Trust or PIMCO Equity Series.

<sup>3</sup> PIMCO has contractually agreed to waive the Fund's advisory fee and the supervisory and administrative fee in an amount equal to the management fee and administrative services fee, respectively, paid by the PIMCO Cayman Commodity Fund III Ltd. (the "Subsidiary") to PIMCO. The Subsidiary pays PIMCO a management fee and an administrative services fee at the annual rates of 0.49% and 0.20%, respectively, of its net assets. This waiver may not be terminated by PIMCO and will remain in effect for as long as PIMCO's contract with the Subsidiary is in place.

<sup>4</sup> PIMCO has contractually agreed to waive the Fund's advisory fee and the supervisory and administrative fee in an amount equal to the management fee and administrative services fee, respectively, paid by the PIMCO Cayman Commodity Fund I Ltd. (the "Subsidiary") to PIMCO. The Subsidiary pays PIMCO a management fee and an administrative services fee at the annual rates of 0.49% and 0.20%, respectively, of its net assets. This waiver may not be terminated by PIMCO and will remain in effect for as long as PIMCO's contract with the Subsidiary is in place.

<sup>5</sup> PIMCO has contractually agreed, through October 31, 2019, to waive a portion of the Fund's supervisory and administrative fees, or reimburse the Fund, to the extent that the Fund's organizational expenses, pro rata share of expenses related to obtaining or maintaining a Legal Entity Identifier and pro rata share of Trustee fees exceed 0.0049% (calculated as a percentage of average daily net assets attributable to each class). This Expense Limitation Agreement will automatically renew for one-year terms unless PIMCO provides written notice to the Trust at least 30 days prior to the end of the then current term. Under certain conditions, PIMCO may recoup amounts waived or reimbursed in future periods, not exceeding three years.

<sup>6</sup> PIMCO has contractually agreed, through July 31, 2019, to reduce its advisory fee by 0.01% of the average daily net assets of the Fund. This Fee Waiver Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term. Under certain conditions, PIMCO may recoup amounts reduced in future periods, not exceeding three years.

<sup>7</sup> PIMCO has contractually agreed, through October 31, 2019, to reduce its management fee by 0.07% of the average daily net assets of the Fund. This Fee Limitation Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term. Under certain conditions, PIMCO may recoup amounts reduced in future periods, not exceeding three years.

<sup>8</sup> To maintain certain net yields for the Fund, PIMCO or its affiliates may temporarily and voluntarily waive, reduce or reimburse all or any portion of the Fund's fees and expenses.

<sup>9</sup> PIMCO has contractually agreed to waive the Fund's advisory fee and the supervisory and administrative fee in an amount equal to the management fee and administrative services fee, respectively, paid by the PIMCO Capital Securities Fund (Cayman) Ltd. (the "Subsidiary") to PIMCO. The Subsidiary pays PIMCO a management fee and an administrative services fee at the annual rates of 0.49% and 0.20%, respectively, of its net assets. This waiver may not be terminated by PIMCO and will remain in effect for as long as PIMCO's contract with the Subsidiary is in place.

<sup>10</sup> PIMCO has contractually agreed, through October 31, 2019, to reduce its advisory fee by 0.20% of the average daily net assets of the Fund. This Fee Limitation Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term. Under certain conditions, PIMCO may recoup amounts reduced in future periods, not exceeding three years.

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- <sup>11</sup> PIMCO has contractually agreed, through October 31, 2019, to reduce its advisory fee by 0.10% of the average daily net assets of the Fund. This Fee Limitation Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term. Under certain conditions, PIMCO may recoup amounts reduced in future periods, not exceeding three years.
- <sup>12</sup> PIMCO has contractually agreed, through July 31, 2019, to reduce its advisory fee by 0.15% of the average daily net assets of the Fund. This Fee Limitation Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term. Under certain conditions, PIMCO may recoup amounts reduced in future periods, not exceeding three years.
- <sup>13</sup> PIMCO has contractually agreed, through July 31, 2019, to reduce its advisory fee by 0.03% of the average daily net assets of the Fund. This Fee Limitation Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term. Under certain conditions, PIMCO may recoup amounts reduced in future periods, not exceeding three years.
- <sup>14</sup> PIMCO has contractually agreed, through July 31, 2021, to reduce its supervisory and administrative fee for each share class of the Fund by 0.05% of the average daily net assets attributable to the applicable class of the Fund. This Fee Waiver Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term.
- <sup>15</sup> PIMCO has contractually agreed, through July 31, 2019, to reduce its advisory fee by 0.15% of the average daily net assets of the Fund. This Fee Waiver Agreement renews annually unless terminated by PIMCO upon at least 30 days' prior notice to the end of the contract term. Under certain conditions, PIMCO may recoup amounts reduced in future periods, not exceeding three years.
- <sup>16</sup> PIMCO has contractually agreed to waive the Fund's advisory fee and the supervisory and administrative fee in an amount equal to the management fee and administrative services fee, respectively, paid by the PIMCO Cayman Commodity Fund VIII, Ltd. (the "Subsidiary") to PIMCO. The Subsidiary pays PIMCO a management fee and an administrative services fee at the annual rates of 0.49% and 0.20%, respectively, of its net assets. This waiver may not be terminated by PIMCO and will remain in effect for as long as PIMCO's contract with the Subsidiary is in place.

## Individual Portfolio Managers

The following individuals have primary responsibility for managing the Portfolio.

Portfolio	Portfolio Manager	Since	Recent Professional Experience
PIMCO All Asset	Robert D. Arnott	4/03*	Chairman, Founder, Research Affiliates, LLC, since July 2002. Previously, Mr. Arnott was Chairman of First Quadrant, L.P. until April 2004. He first joined First Quadrant in April 1998.
PIMCO All Asset	Christopher J. Brightman	11/16	Chief Investment Officer, Research Affiliates, LLC, since April 2014. Previously at Research Affiliates, LLC, Mr. Brightman served as a Managing Director and Head of Investment Management. Prior to joining Research Affiliates in 2010, Mr. Brightman was chief executive officer of the University of Virginia Investment Management Company.

\* Inception of the Portfolio.

Please see the SAI for additional information about other accounts managed by the portfolio managers, the portfolio managers' compensation and the portfolio managers' ownership of shares of the Portfolio.

The Trustees are responsible generally for overseeing the management of the Trust. The Trustees authorize the Trust to enter into service agreements with the Investment Adviser, the Distributor (as defined below), the Administrator and other service providers in order to provide, and in some cases authorize service providers to procure through other parties, necessary or desirable services on behalf of the Trust and the Portfolio. Shareholders are not parties to or third-party beneficiaries of such service agreements. Neither this prospectus nor summary prospectus, the Trust's SAI, any contracts filed as exhibits to the Trust's registration statement, nor any other communications, disclosure documents or regulatory filings from or on behalf of the Trust or the Portfolio creates a contract between or among any shareholder of the Portfolio, on the one hand, and the Trust, the Portfolio, a service provider to the Trust or the Portfolio, and/or the Trustees or officers of the Trust, on the other hand. The Trustees (or the Trust and its officers, service providers or other delegates acting under authority of the Trustees) may amend this, or use a new prospectus, summary prospectus or SAI with respect to the Portfolio or the Trust, and/or amend, file and/or issue any other communications, disclosure documents or regulatory filings, and may amend or enter into any contracts to which the Trust or the Portfolio is a party, and interpret the investment objective(s), policies, restrictions and contractual provisions applicable to the Portfolio, without shareholder input or approval, except in circumstances in which shareholder approval is specifically required by law (such as changes to fundamental investment policies) or where a shareholder approval requirement is specifically disclosed in the Trust's then-current prospectus or SAI.

## Distributor

The Trust's Distributor is PIMCO Investments LLC (the "Distributor"). The Distributor, located at 1633 Broadway, New York, NY 10019, is a broker-dealer registered with the Securities and Exchange Commission ("SEC").

## Class M Shares

The Trust offers investors Class M shares of the Portfolio in this prospectus. The Trust does not charge any sales charges (loads) or other fees in connection with purchases or redemptions of Class M shares.

### ■ Distribution and/or Service (12b-1) Fees – Class M Shares.

The Trust has adopted a Distribution and Servicing Plan for the Class M shares of the Portfolio (the “Distribution and Servicing Plan”). The Distribution and Servicing Plan has been adopted pursuant to Rule 12b-1 under the. The Distribution and Servicing Plan permits the Portfolio to compensate the Distributor for providing or procuring through financial firms certain services in connection with the distribution and marketing of Class M shares and/or certain shareholder services to Class M shareholders at an annual rate of up to 0.25% of the Portfolio’s average daily net assets attributable to its Class M shares (the “Distribution Fee”).

The Distribution and Servicing Plan also permits the Portfolio to compensate the Distributor for providing or procuring administrative, recordkeeping, and other investor services at an annual rate with respect to the Portfolio not to exceed 0.20% of the average daily net assets of the Portfolio attributable to Class M shares (the “Servicing Fee”).

Payments are accrued daily and paid periodically. Because these fees are paid out of the Portfolio’s Class M assets on an ongoing basis, over time they will increase the cost of an investment in Class M shares, and Distribution and Servicing Plan fees may cost an investor more than other types of sales charges.

■ **Servicing Arrangements.** Class M shares of the Portfolio may be offered through certain brokers and financial intermediaries (“servicers”) that have established a shareholder servicing relationship with the Trust on behalf of their customers. The Trust pays no compensation to such entities other than Distribution and Servicing Plan fees paid with respect to Class M shares. Servicers may impose additional or different conditions than the Trust on purchases, redemptions or exchanges of Portfolio shares by their customers. Servicers may also independently establish and charge their customers transaction fees, account fees and other amounts in connection with purchases and redemptions of Portfolio shares in addition to any fees charged by the Trust. These additional fees may vary over time and would increase the cost of the customer’s investment and lower investment returns. Each servicer is responsible for transmitting to its customers a schedule of any such fees and information regarding any additional or different conditions regarding purchases, redemptions and exchanges. Shareholders who are customers of servicers should consult their servicers for information regarding these fees and conditions.

■ **Additional Payments.** PIMCO uses its own assets and resources, including its profits from advisory or supervisory and administrative fees paid by the Portfolio, to pay insurance companies for services rendered to current and prospective owners of Variable Contracts, including the provision of support services such as providing information about the Trust and the Portfolio, the delivery of Trust

documents, and other services. In addition, PIMCO may pay certain expenses, such as printing and mailing charges, incurred by such insurance companies in connection with their services. Any such payments are made by PIMCO, and not by the Trust, and PIMCO does not receive any separate fees for such expenses.

The fees paid to insurance companies, as described in the preceding paragraph, generally will not exceed 0.25% of the total assets of the Portfolio held by the insurance company, on an annual basis, though in some cases, may be up to 0.35%. Although the payments described in the preceding paragraph are not intended to compensate the insurance companies for marketing the Portfolio, they may provide an additional incentive to insurance companies to actively promote the Portfolio and, depending on the arrangements an insurance company may have in place with other mutual funds or their sponsors at any particular time, an insurance company may have a financial incentive to promote the Portfolio (or share class of the Portfolio) over other mutual fund options (or other Portfolios or share classes of the Portfolio) available under a particular Variable Contract.

In addition, the Distributor, PIMCO and their affiliates may from time to time make payments and provide other incentives to insurance companies as compensation for services such as providing the Portfolio with a higher profile for the insurance companies’ financial advisors and their customers or otherwise identifying the Portfolio as being part of a complex to be accorded a higher degree of marketing support than complexes not making such payments, granting the Distributor access to the insurance companies’ financial advisors (including through the insurance companies’ intranet websites) in order to promote the Portfolio, promotions in communications with current and prospective Variable Contract owners such as in the insurance companies’ internet websites or in customer newsletters, providing assistance in training and educating the insurance companies’ personnel, and furnishing marketing support and other specified services. The actual services provided, and the payments made for such services, vary from company to company. These payments may be significant to the insurance companies.

A number of factors will be considered in determining the amount of these additional payments to insurance companies. The Distributor, PIMCO and their affiliates may make payments to one or more insurance companies based upon factors such as the amount of assets an insurance company’s accounts have invested in the Portfolio and the quality of the insurance company’s relationship with the Distributor, PIMCO and their affiliates.

The additional payments described above are made from the Distributor’s or PIMCO’s (or their affiliates’) own assets (and sometimes, therefore referred to as “revenue sharing”) pursuant to agreements with insurance companies or other financial firms and do not change the price paid by an insurance company’s separate account for the purchase of the Portfolio’s shares or the amount the Portfolio will receive as proceeds from such sales. These payments may be made to insurance companies (as selected by the Distributor) that have invested significant amounts in shares of the Portfolio. The level of payments made to a financial firm in any future year will vary.

From time to time, PIMCO and/or the Distributor may pay or reimburse insurance companies, broker-dealers, banks, recordkeepers or other financial institutions for PIMCO's and/or the Distributor's attendance at conferences, seminars or informational meetings sponsored by such firms, or PIMCO and/or the Distributor may co-sponsor such events with such financial institutions. PIMCO and/or the Distributor may also provide other non-cash compensation in the form of occasional meals, tickets or other entertainment, as well as small gifts to such firms' representatives and charitable contributions to valid charitable organizations, as permitted by applicable law, rules and regulations. Payments and reimbursements for such activities are made out of PIMCO's and/or the Distributor's own assets and at no cost to the Portfolio. These payments and reimbursements may be made from profits received by PIMCO from advisory fees and supervisory and administrative fees paid to PIMCO by the Portfolio. Such activities by PIMCO and/or the Distributor may provide incentives to financial institutions to sell shares of the Portfolio. Additionally, these activities may give PIMCO and/or the Distributor additional access to sales representatives of such financial institutions, which may increase sales of Portfolio shares.

The SAI contains further details about the payments made by PIMCO and/or the Distributor to insurance companies. In addition, you can ask the insurance company that sponsors the Variable Contract in which you invest for information about any payments it receives from PIMCO and/or the Distributor and any services provided for such payments.

From time to time, PIMCO or its affiliates may pay investment consultants or their parent or affiliated companies for certain services including technology, operations, tax, or audit consulting services, and may pay such firms for PIMCO's attendance at investment forums sponsored by such firms or for various studies, surveys, or access to databases. Subject to applicable law, PIMCO and its affiliates may also provide investment advisory services to investment consultants and their affiliates and may execute brokerage transactions on behalf of the Portfolio with such investment consultants and their affiliates. These consultants or their affiliates may, in the ordinary course of their investment consultant business, recommend that their clients utilize PIMCO's investment advisory services or invest in the Portfolio or in other products sponsored by PIMCO and its affiliates.

## Purchases and Redemptions

Investors do not deal directly with the Portfolio to purchase and redeem shares. Please refer to the prospectus for the Separate Account for information on the allocation of premiums and on transfers of accumulated value among sub-accounts of the Separate Account that invest in the Portfolio.

### Purchasing Shares

As of the date of this prospectus, shares of the Portfolio are offered for purchase by Separate Accounts to serve as an investment medium for Variable Contracts issued by life insurance companies. All purchase orders

are effected at the NAV next determined after a purchase order is received.

While the Portfolio currently does not foresee any disadvantages to Variable Contract Owners if the Portfolio serves as an investment medium for both variable annuity contracts and variable life insurance policies, due to differences in tax treatment or other considerations, it is theoretically possible that the interest of owners of annuity contracts and insurance policies for which the Portfolio serves as an investment medium might at some time be in conflict. However, the Trust's Board of Trustees and each insurance company with a separate account allocating assets to the Portfolio are required to monitor events to identify any material conflicts between variable annuity contract owners and variable life insurance policy owners, and would have to determine what action, if any, should be taken in the event of such a conflict. If such a conflict occurred, an insurance company participating in the Portfolio might be required to redeem the investment of one or more of its separate accounts from the Portfolio, which might force the Portfolio to sell securities at disadvantageous prices.

The Trust and its Distributor each reserves the right, in its sole discretion, to suspend the offering of shares of the Portfolio or to reject any purchase order, in whole or in part, when, in the judgment of management, such suspension or rejection is in the best interests of the Trust. In addition, the Trust and its Distributor each reserves the right, in its sole discretion, to redeem shares, in whole or in part, when, in the judgment of management, such redemption is necessary in order to maintain qualification under the rules for variable annuities and/or variable life contracts with respect to other shareholders, to maintain qualification as a regulated investment company under the Code, or for any reason under terms set by the Trustees, including the failure of a shareholder to supply a personal identification number if required to do so, or to have the minimum investment required, or to pay when due for the purchase of shares issued to the shareholder. The offering of shares will be suspended when trading on the New York Stock Exchange ("NYSE") is restricted or during an emergency which makes it impracticable for the Portfolio to dispose of its securities or to determine fairly the value of its net assets, or during any other period as permitted by the SEC for the protection of investors. In the event that the Portfolio ceases offering its shares, any investments allocated to the Portfolio will, subject to any necessary regulatory approvals, be invested in another Portfolio of the Trust.

The Trust generally does not offer or sell its shares outside of the United States, except to certain investors in approved jurisdictions and in conformity with local legal requirements.

### Redeeming Shares

Shares may be redeemed without charge on any day that the NAV is calculated. All redemption requests received by the Trust or its designee prior to the close of regular trading on the NYSE (normally 4:00 pm, Eastern time ("NYSE Close")), on a day the Trust is open for business, are effective on that day. Redemption requests received after that time become effective on the next business day. Redemption requests for Portfolio shares are effected at the NAV per share next determined after receipt of a redemption request by the Trust or its designee. Payment for shares redeemed normally will be made within seven days.

Redemptions of the Portfolio's shares may be suspended when trading on the NYSE is restricted or during an emergency which makes it impractical for the Portfolio to dispose of its securities or to determine fairly the value of its net assets, or during any other period as permitted by the SEC for the protection of investors. Under these and other unusual circumstances, the Trust may suspend redemption or postpone payment for more than seven days, as permitted by law. In consideration of the best interests of the remaining shareholders, the Trust reserves the right to pay redemption proceeds in whole or in part by a distribution in kind of securities held by the Portfolio in lieu of cash. It is highly unlikely that shares would ever be redeemed in kind. If shares are redeemed in kind, however, the redeeming shareholder should expect to incur transaction costs upon the disposition of the securities received in the distribution.

In order to meet redemption requests, the Portfolio typically expects to use a combination of sales of portfolio assets, holdings of cash and cash equivalents (including cash flows into the Portfolio) and financing transactions (such as reverse repurchase agreements). These methods of meeting redemption requests are expected to be used regularly. The Portfolio reserves the right to use other types of borrowings and interfund lending. The use of borrowings (such as a line of credit) and interfund lending in order to meet redemption requests is typically expected to be used only during stressed market conditions, if at all. See "Characteristics and Risks of Securities and Investment Techniques—Reverse Repurchase Agreements, Dollar Rolls and Other Borrowings" and the SAI for more information. The Portfolio's use of redemptions in kind is discussed above.

## **Frequent or Excessive Purchases, Exchanges and Redemptions**

The Trust encourages shareholders to invest in the Portfolio as part of a long-term investment strategy and discourages excessive, short-term trading and other abusive trading practices, sometimes referred to as "market timing." However, because the Trust will not always be able to detect market timing or other abusive trading activity, investors should not assume that the Trust will be able to detect or prevent all market timing or other trading practices that may disadvantage the Portfolio.

Certain of the Underlying PIMCO Funds' investment strategies may expose such Underlying PIMCO Funds to risks associated with market timing activities. For example, since some Underlying PIMCO Funds may invest in non-U.S. securities, they may be subject to the risk that an investor may seek to take advantage of a delay between the change in value of an Underlying PIMCO Fund's non-U.S. portfolio securities and the determination of the Underlying PIMCO Fund's NAV as a result of different closing times of U.S. and non-U.S. markets by buying or selling fund shares at a price that does not reflect their true value. A similar risk exists for an Underlying PIMCO Fund's potential investment in securities of small capitalization companies, securities of issuers located in emerging markets, securities of distressed companies or high yield securities that are thinly traded and therefore may have actual values that differ from their market prices.

Except as identified below, to discourage excessive, short-term trading and other abusive trading practices, the Board of Trustees of the Trust has adopted policies and procedures reasonably designed to detect and prevent short-term trading activity that may be harmful to the Portfolio and its

shareholders ("Market Timing Policy"). Such activities may have a detrimental effect on the Portfolio and its shareholders. For example, depending upon various factors such as the size of the Portfolio and the amount of its assets maintained in cash, short-term or excessive trading by Portfolio shareholders may interfere with the efficient management of the Portfolio's investments, increase transaction costs and taxes, and may harm the performance of the Portfolio and its shareholders. In addition, purchases and sales by the Portfolio in certain Underlying PIMCO Funds may be exempt from certain limitations under the Market Timing Policy in order to allow the Portfolio to manage its cash flows and reallocate portfolio investments in the Underlying PIMCO Funds according to its allocation targets.

The Trust seeks to deter and prevent abusive trading practices, and to reduce these risks, through several methods. First, to the extent that there is a delay between a change in the value of the Portfolio's holdings, and the time when that change is reflected in the NAV of the Portfolio's shares, the Portfolio is exposed to the risk that investors may seek to exploit this delay by purchasing or redeeming shares at NAVs that do not reflect appropriate fair value prices. The Trust seeks to deter and prevent this activity, sometimes referred to as "stale price arbitrage," by the appropriate use of "fair value" pricing of the Portfolio's securities. See "How Portfolio Shares Are Priced" below for more information.

Second, the Trust and PIMCO seek to monitor shareholder account activities in order to detect and prevent excessive and disruptive trading practices. The Trust and PIMCO each reserves the right to restrict or refuse any purchase or exchange transactions if, in the judgment of the Trust or of PIMCO, the transaction may adversely affect the interests of the Portfolio or its shareholders. Among other things, the Trust may monitor for any patterns of frequent purchases and sales that appear to be made in response to short-term fluctuations in share price. Notice of such restrictions, if any, will vary according to the particular circumstances. When PIMCO notices a pattern of trading that may be indicative of excessive or abusive trading by Variable Contract Owners, the Trust and/or PIMCO will seek the cooperation of insurance companies.

Although the Trust and its service providers seek to use these methods to detect and prevent abusive trading activities, and although the Trust will consistently apply such methods, there can be no assurances that such activities can be mitigated or eliminated. By their nature, insurance company separate accounts, in which purchases and redemptions of Portfolio shares by Variable Contract Owners are aggregated for presentation to the Portfolio on a net basis, conceal the identity of the individual Variable Contract Owners from the Portfolio. This makes it more difficult for the Trust and/or PIMCO to identify short-term transactions in the Portfolio.

## **How Portfolio Shares Are Priced**

The price of the Portfolio's shares is based on the Portfolio's NAV. The NAV of the Portfolio, or each of its share classes, as applicable, is determined by dividing the total value of the Portfolio's portfolio investments and other assets attributable to that Portfolio or class, less any liabilities, by the total number of shares outstanding of that Portfolio or class.

On each day that the NYSE is open, Portfolio and Underlying PIMCO Fund shares are ordinarily valued as of the NYSE Close. Information that becomes known to the Portfolio or an Underlying PIMCO Fund or its agents after the time as of which NAV has been calculated on a particular day will not generally be used to retroactively adjust the price of a security or the NAV determined earlier that day. The Portfolio reserves the right to change the time its respective NAV is calculated if the Portfolio closes earlier, or as permitted by the SEC.

The assets of the Portfolio consist of shares of the Underlying PIMCO Funds, which are valued at their respective NAVs at the time of valuation of the Portfolio's shares. For purposes of calculating the NAV of the Underlying PIMCO Funds, portfolio securities and other assets for which market quotes are readily available are valued at market value. Market value is generally determined on the basis of official closing prices or the last reported sales prices, or if no sales are reported, based on quotes obtained from established market makers or prices (including evaluated prices) supplied by the Portfolio's approved pricing services, quotation reporting systems and other third-party sources (together, "Pricing Services"). The Portfolio will normally use pricing data for domestic equity securities received shortly after the NYSE Close and does not normally take into account trading, clearances or settlements that take place after the NYSE Close. A foreign (non-U.S.) equity security traded on a foreign exchange or on more than one exchange is typically valued using pricing information from the exchange considered by PIMCO to be the primary exchange. If market value pricing is used, a foreign (non-U.S.) equity security will be valued as of the close of trading on the foreign exchange, or the NYSE Close, if the NYSE Close occurs before the end of trading on the foreign exchange. Domestic and foreign (non-U.S.) fixed income securities, non-exchange traded derivatives, and equity options are normally valued on the basis of quotes obtained from brokers and dealers or Pricing Services using data reflecting the earlier closing of the principal markets for those securities. Prices obtained from Pricing Services may be based on, among other things, information provided by market makers or estimates of market values obtained from yield data relating to investments or securities with similar characteristics. Certain fixed income securities purchased on a delayed-delivery basis are marked to market daily until settlement at the forward settlement date. Exchange-traded options, except equity options, futures and options on futures are valued at the settlement price determined by the relevant exchange. Swap agreements are valued on the basis of bid quotes obtained from brokers and dealers or market-based prices supplied by Pricing Services or other pricing sources. With respect to any portion of an Underlying PIMCO Fund's assets that are invested in one or more open-end management investment companies (other than exchange-traded funds), the Underlying PIMCO Fund's NAV will be calculated based upon the NAVs of such investments.

If a foreign (non-U.S.) equity security's value has materially changed after the close of the security's primary exchange or principal market but before the NYSE Close, the security may be valued at fair value based on procedures established and approved by the Board of Trustees. Foreign (non-U.S.) equity securities that do not trade when the NYSE is open are also valued at fair value. With respect to foreign (non-U.S.) equity securities, the Portfolio may determine the fair value of investments based on

information provided by Pricing Services and other third-party vendors, which may recommend fair value or adjustments with reference to other securities, indexes or assets. In considering whether fair valuation is required and in determining fair values, the Portfolio may, among other things, consider significant events (which may be considered to include changes in the value of U.S. securities or securities indexes) that occur after the close of the relevant market and before the NYSE Close. The Portfolio may utilize modeling tools provided by third-party vendors to determine fair values of non-U.S. securities. For these purposes, any movement in the applicable reference index or instrument ("zero trigger") between the earlier close of the applicable foreign market and the NYSE Close may be deemed to be a significant event, prompting the application of the pricing model (effectively resulting in daily fair valuations). Foreign (non-U.S.) exchanges may permit trading in foreign (non-U.S.) equity securities on days when the Trust is not open for business, which may result in the Portfolio's portfolio investments being affected when you are unable to buy or sell shares.

Senior secured floating rate loans for which an active secondary market exists to a reliable degree will be valued at the mean of the last available bid/ask prices in the market for such loans, as provided by a Pricing Service. Senior secured floating rate loans for which an active secondary market does not exist to a reliable degree will be valued at fair value, which is intended to approximate market value. In valuing a senior secured floating rate loan at fair value, the factors considered may include, but are not limited to, the following: (a) the creditworthiness of the borrower and any intermediate participants, (b) the terms of the loan, (c) recent prices in the market for similar loans, if any, and (d) recent prices in the market for instruments of similar quality, rate, period until next interest rate reset and maturity.

Investments valued in currencies other than the U.S. dollar are converted to the U.S. dollar using exchange rates obtained from Pricing Services. As a result, the value of such investments and, in turn, the NAV of an Underlying PIMCO Fund's shares may be affected by changes in the value of currencies in relation to the U.S. dollar. The value of investments traded in markets outside the United States or denominated in currencies other than the U.S. dollar may be affected significantly on a day that the Trust is not open for business. As a result, to the extent that the Portfolio invests in Underlying PIMCO Funds that hold foreign (non-U.S.) investments, the value of those investments may change at times when shareholders are unable to buy or sell shares and the value of such investments will be reflected in the Portfolio's next calculated NAV.

Investments for which market quotes or market based valuations are not readily available are valued at fair value as determined in good faith by the Board of Trustees or persons acting at their direction. The Board of Trustees has adopted methods for valuing securities and other assets in circumstances where market quotes are not readily available, and has delegated to PIMCO the responsibility for applying the fair valuation methods. In the event that market quotes or market based valuations are not readily available, and the security or asset cannot be valued pursuant to a Board approved valuation method, the value of the security or asset will be determined in good faith by the Valuation Oversight Committee of the Board of Trustees, generally based on recommendations provided by PIMCO.

Market quotes are considered not readily available in circumstances where there is an absence of current or reliable market-based data (e.g., trade information, bid/ask information, broker quotes, Pricing Services prices), including where events occur after the close of the relevant market, but prior to the NYSE Close, that materially affect the values of an Underlying PIMCO Fund's securities or assets. In addition, market quotes are considered not readily available when, due to extraordinary circumstances, the exchanges or markets on which the securities trade do not open for trading for the entire day and no other market prices are available. The Board of Trustees has delegated to PIMCO the responsibility for monitoring significant events that may materially affect the values of the Portfolio's securities or assets and for determining whether the value of the applicable securities or assets should be reevaluated in light of such significant events.

When an Underlying PIMCO Fund uses fair valuation to determine the value of a portfolio security or other asset for purposes of calculating its NAV, such investments will not be priced on the basis of quotes from the primary market in which they are traded, but rather may be priced by another method that the Board of Trustees or persons acting at their direction believe reflects fair value. Fair valuation may require subjective determinations about the value of a security. While the Trust's policy is intended to result in a calculation of the Portfolio's and Underlying PIMCO Funds' NAVs that fairly reflects security values as of the time of pricing, the Trust cannot ensure that fair values determined by the Board of Trustees or persons acting at their direction would accurately reflect the price that the Underlying PIMCO Fund could obtain for a security if it were to dispose of that security as of the time of pricing (for instance, in a forced or distressed sale). The prices used by an Underlying PIMCO Fund may differ from the value that would be realized if the securities were sold. An Underlying PIMCO Fund's use of fair valuation may also help to deter "stale price arbitrage" as discussed above under "Frequent or Excessive Purchases, Exchanges and Redemptions."

## Tax Consequences

The Portfolio intends to qualify as a regulated investment company annually and to elect to be treated as a regulated investment company for federal income tax purposes. As such, the Portfolio generally will not pay federal income tax on the income and gains it pays as dividends to its shareholders.

The Portfolio intends to diversify its investments in a manner intended to comply with tax requirements generally applicable to mutual funds. In addition, the Portfolio will diversify its investments so that on the last day of each quarter of a calendar year, no more than 55% of the value of its total assets is represented by any one investment, no more than 70% is represented by any two investments, no more than 80% is represented by any three investments, and no more than 90% is represented by any four investments. For this purpose, securities of a single issuer are treated as one investment and each U.S. Government agency or instrumentality is treated as a separate issuer. Any security issued, guaranteed, or insured (to the extent so guaranteed or insured) by the U.S. Government or any agency or instrumentality of the U.S. Government is treated as a security issued by the U.S. Government or its agency or instrumentality, whichever is applicable.

If the Portfolio fails to meet the diversification requirement under Section 817(h) of the Code, income with respect to Variable Contracts invested in the Portfolio at any time during the calendar quarter in which the failure occurred could become currently taxable to the owners of the Variable Contracts and income for prior periods with respect to such contracts also could be taxable, most likely in the year of the failure to achieve the required diversification. Other adverse tax consequences could also ensue.

Please refer to the prospectus for the Separate Account and Variable Contract for information regarding the federal income tax treatment of Variable Contracts. See "Taxation" in the Portfolio's SAI for more information on taxes.

## **A Note on the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund.**

The Portfolio may invest in the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund. One of the requirements for favorable tax treatment as a regulated investment company under the Code is that each Underlying PIMCO Fund derive at least 90% of its gross income from certain qualifying sources of income. The IRS has issued a revenue ruling which holds that income derived from commodity-linked swaps is not qualifying income under Subchapter M of the Code. As such, each Underlying PIMCO Fund's ability to utilize commodity-linked swaps as part of its investment strategy is limited to a maximum of 10 percent of its gross income.

However, in a subsequent revenue ruling, the IRS provides that income from alternative investment instruments (such as certain commodity index-linked notes) that create commodity exposure may be considered qualifying income under the Code. The IRS has also issued a private letter ruling to the Underlying PIMCO Funds in which the IRS specifically concluded that income from certain commodity index-linked notes is qualifying income (collectively, the "Notes Rulings"). In addition, the IRS has also issued another private letter ruling to each Underlying PIMCO Fund in which the IRS specifically concluded that income derived from the Underlying PIMCO Fund's investment in its Subsidiary will also constitute qualifying income to the Underlying PIMCO Fund, even if the Subsidiary itself owns commodity-linked swaps. Each Underlying PIMCO Fund will continue to seek to gain exposure to the commodity markets primarily through investments in commodity index-linked notes and through investments in its Subsidiary.

Under IRS regulations, income derived from a controlled foreign corporation will be considered qualifying income if an Underlying PIMCO Fund's investment in the subsidiary is derived with respect to the Underlying PIMCO Fund's business of investing in securities. An IRS revenue procedure states that the IRS will not in the future issue private letter rulings that would require a determination of whether an asset (such as a commodity index-linked note) is a "security" under the 1940 Act. In connection with issuing such revenue procedure, the IRS has revoked the Notes Rulings. There can be no assurance that the IRS will not change its position with respect to some or all of these conclusions or that future legislation will not adversely impact the tax treatment of each Underlying PIMCO Fund's commodity-linked investments. If the IRS were to change or reverse its position, or if future legislation adversely affected the tax treatment of the



commodity-linked investments of each Underlying PIMCO Fund, there would likely be a significant adverse impact on the Underlying PIMCO Fund, including the possibility of failing to qualify as a regulated investment company. If an Underlying PIMCO Fund did not qualify as a regulated investment company for any taxable year, its taxable income would be subject to tax at the Underlying PIMCO Fund level at regular corporate tax rates (without reduction for distributions to shareholders) and to a further tax at the shareholder level when such income is distributed.

Furthermore, the tax treatment of commodity-linked notes, other commodity-linked derivatives, and an Underlying PIMCO Fund's investments in its Subsidiary may otherwise be adversely affected by future legislation, court decisions, Treasury Regulations and/or guidance issued by the IRS. Such developments could affect the character, timing and/or amount of the Underlying PIMCO Fund's taxable income or any distributions made by the Underlying PIMCO Fund or result in the inability of the Underlying PIMCO Fund to operate as described in its prospectus.

**A Note on the PIMCO CommodityRealReturn Strategy Fund®, an Underlying PIMCO Fund.** Periodic adjustments for inflation to the principal amount of an inflation-indexed bond may give rise to original issue discount, which will be includable in the Underlying PIMCO Fund's gross income. Due to original issue discount, the Underlying PIMCO Fund may be required to make annual distributions to shareholders that exceed the cash received, which may cause the Underlying PIMCO Fund to liquidate certain investments when it is not advantageous to do so. Also, if the principal value of an inflation-indexed bond is adjusted downward due to deflation, amounts previously distributed in the taxable year may be characterized in some circumstances as a return of capital.

This "Tax Consequences" section relates only to federal income tax; the consequences under other tax laws may differ. Shareholders should consult their tax advisors as to the possible application of foreign, state and local income tax laws to Portfolio dividends and capital distributions. Please see "Taxation" in the Portfolio's SAI for additional information regarding the tax aspects of investing in the Portfolio.

## Characteristics and Risks of Securities and Investment Techniques

The Portfolio invests substantially all of its assets in shares of the Underlying PIMCO Funds, and as such (unless otherwise noted) does not invest directly in the securities described below. The Underlying PIMCO Funds, however, may invest in such securities. Because the value of an investment in the Portfolio is directly related to the investment performance of the Underlying PIMCO Funds in which it invests, the risks of investing in the Portfolio are closely related to the risks associated with the Underlying PIMCO Funds and their investments in the securities described below. Please see the "Descriptions of the Underlying PIMCO Funds."

This section provides additional information about some of the principal investments and related risks of the Portfolio and the Underlying PIMCO Funds described under the "Portfolio Summary," "Description of Principal Risks" and "Descriptions of the Underlying PIMCO Funds." It also describes characteristics and risks of additional securities and investment techniques that may be used by the Underlying PIMCO Funds from time to time. Most

of these securities and investment techniques described herein are discretionary, which means that PIMCO can decide whether to use them or not. This prospectus does not attempt to disclose all of the various types of securities and investment techniques that may be used by the Underlying PIMCO Funds. As with any mutual fund, investors in the Underlying PIMCO Funds rely on the professional investment judgment and skill of PIMCO and the individual portfolio managers. The investments made by an Underlying PIMCO Fund at any given time are not expected to be the same as those made by other mutual funds for which PIMCO acts as investment adviser, including mutual funds with investment objectives and strategies similar to those of the Underlying PIMCO Fund. Accordingly, the performance of the Underlying PIMCO Fund can be expected to vary from that of the other mutual funds. Please see "Investment Objectives and Policies" in the SAI for more detailed information about the securities and investment techniques described in this section and about other strategies and techniques that may be used by the Underlying PIMCO Funds.

Because the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund, may each invest a portion of its assets in its respective Subsidiary, each of which may hold some of the investments described in this prospectus, each Underlying PIMCO Fund, and to the extent the Portfolio invests in each Underlying PIMCO Fund, the Portfolio, may be indirectly exposed to the risks associated with those investments. With respect to its investments, each Subsidiary will generally be subject to the same fundamental, non-fundamental and certain other investment restrictions as the respective Underlying PIMCO Fund; however, each Subsidiary (unlike the Underlying PIMCO Fund) may invest without limitation in commodity-linked swap agreements and other commodity-linked derivative instruments. Each Underlying PIMCO Fund and each Subsidiary may test for compliance with certain investment restrictions on a consolidated basis, except that with respect to its investments in certain securities that may involve leverage, the Subsidiary will comply with asset segregation or "earmarking" requirements to the same extent as its respective Underlying PIMCO Fund.

Investors should be aware that the investments made by a Portfolio and the results achieved by a Portfolio at any given time are not expected to be the same as those made by other funds for which PIMCO acts as investment adviser, including funds with names, investment objectives and policies similar to a Portfolio. This may be attributable to a wide variety of factors, including, but not limited to, the use of a different portfolio management team or strategy, when a particular fund commenced operations or the size of a particular fund, in each case as compared to other similar funds. Significant shareholder purchases and redemptions may adversely impact a Portfolio's portfolio management. For example, a Portfolio may be forced to sell a comparatively large portion of its portfolio to meet significant shareholder redemptions, or hold a comparatively large portion of its portfolio in cash due to significant shareholder purchases, in each case when the Portfolio otherwise would not seek to do so. Such shareholder transactions may cause Portfolios to make investment decisions at inopportune times or prices or miss attractive investment opportunities. Such transactions may also increase a Portfolio's transaction costs, accelerate the realization of taxable income if sales of securities resulted in

gains, or otherwise cause a Portfolio to perform differently than intended. Similarly, significant shareholder purchases may adversely affect a Portfolio's performance to the extent the Portfolio is delayed in investing new cash and, as a result, holds a proportionally larger cash position than under ordinary circumstances and such impact may be heightened in funds of funds. While such risks may apply to Portfolios of any size, such risks are heightened in Portfolios with fewer assets under management. In addition, new Portfolios may not be able to fully implement their investment strategy immediately upon commencing investment operations, which could reduce investment performance.

More generally, the Portfolio may be adversely affected when a large shareholder purchases or redeems large amounts of shares, which can occur at any time and may impact the Portfolio in the same manner as a high volume of purchase or redemption requests. Such large shareholders include, but are not limited to, other funds, institutional investors, and asset allocators who make investment decisions on behalf of underlying clients. Large shareholder transactions may cause the Portfolio to make investment decisions at inopportune times or prices or miss attractive investment opportunities. In addition, such transactions may also cause the Portfolio to sell certain assets in order to meet purchase or redemption requests, which could indirectly affect the liquidity of the Portfolio's portfolio. Such transactions may also increase the Portfolio's transaction costs, decrease economies of scale, accelerate the realization of taxable income, or otherwise cause the Portfolio to perform differently than intended. While large shareholder transactions may be more frequent under certain circumstances, the Portfolio is generally subject to the risk that a large shareholder can purchase or redeem a significant percentage of Portfolio shares at any time. Moreover, the Portfolio is subject to the risk that other shareholders may make investment decisions based on the choices of a large shareholder, which could exacerbate any potential negative effects experienced by the Portfolio.

## Investment Selection

Most of the Underlying PIMCO Funds seek maximum total return. The total return sought by an Underlying PIMCO Fund consists of both income earned on the Underlying PIMCO Fund's investments and capital appreciation, if any, arising from increases in the market value of the Underlying PIMCO Fund's holdings. Capital appreciation of fixed income securities generally results from decreases in market interest rates, foreign currency appreciation or improving credit fundamentals for a particular market sector or security.

In selecting securities for an Underlying PIMCO Fund, PIMCO develops an outlook for interest rates, currency exchange rates and the economy; analyzes credit and call risks, and uses other security selection techniques. The proportion of the Underlying PIMCO Fund's assets committed to investment in securities with particular characteristics (such as quality, sector, interest rate or maturity) varies based on PIMCO's outlook for the U.S. economy and the economies of other countries in the world, the financial markets and other factors.

With respect to fixed income investing, PIMCO attempts to identify areas of the bond market that are undervalued relative to the rest of the market. PIMCO identifies these areas by grouping Fixed Income Instruments into

sectors such as money markets, governments, corporates, mortgages, asset-backed and international. In seeking to identify undervalued currencies, PIMCO may consider many factors, including but not limited to longer-term analysis of relative interest rates, inflation rates, real exchange rates, purchasing power parity, trade account balances and current account balances, as well as other factors that influence exchange rates such as flows, market technical trends and government policies. Sophisticated proprietary software then assists in evaluating sectors and pricing specific investments. Once investment opportunities are identified, PIMCO will shift assets among sectors depending upon changes in relative valuations, credit spreads and other factors. There is no guarantee that PIMCO's investment selection techniques will produce the desired results.

## Fixed Income Instruments

"Fixed Income Instruments," as used generally in this prospectus, includes:

- securities issued or guaranteed by the U.S. Government, its agencies or government-sponsored enterprises ("U.S. Government Securities");
- corporate debt securities of U.S. and non-U.S. issuers, including convertible securities and corporate commercial paper;
- mortgage-backed and other asset-backed securities;
- inflation-indexed bonds issued both by governments and corporations;
- structured notes, including hybrid or "indexed" securities and event-linked bonds;
- bank capital and trust preferred securities;
- loan participations and assignments;
- delayed funding loans and revolving credit facilities;
- bank certificates of deposit, fixed time deposits and bankers' acceptances;
- repurchase agreements on Fixed Income Instruments and reverse repurchase agreements on Fixed Income Instruments;
- debt securities issued by states or local governments and their agencies, authorities and other government-sponsored enterprises;
- obligations of non-U.S. governments or their subdivisions, agencies and government-sponsored enterprises; and
- obligations of international agencies or supranational entities.

Securities issued by U.S. Government agencies or government-sponsored enterprises may not be guaranteed by the U.S. Treasury.

## Duration

Duration is a measure used to determine the sensitivity of a security's price to changes in interest rates that incorporates a security's yield, coupon, final maturity and call features, among other characteristics. The longer a security's duration, the more sensitive it will be to changes in interest rates. Similarly, a portfolio with a longer average portfolio duration will be more sensitive to changes in interest rates than a portfolio with a shorter average portfolio duration. By way of example, the price of a bond fund with an average duration of eight years would be expected to fall approximately 8% if interest rates rose by one percentage point. Similarly, the price of a bond fund with an average duration of fifteen years would be expected to fall approximately 15% if interest rates rose by one percentage point. Conversely, the price of a bond fund with an average duration of negative three years would be expected to rise approximately 3% if interest rates

rose by one percentage point. The maturity of a security, another commonly used measure of price sensitivity, measures only the time until final payment is due, whereas duration takes into account the pattern of all payments of interest and principal on a security over time, including how these payments are affected by prepayments and by changes in interest rates, as well as the time until an interest rate is reset (in the case of variable-rate securities). PIMCO uses an internal model for calculating duration, which may result in a different value for the duration of an index compared to the duration calculated by the index provider or another third party.

## U.S. Government Securities

U.S. Government Securities are obligations of, or guaranteed by, the U.S. Government, its agencies or government-sponsored enterprises. The U.S. Government does not guarantee the NAV of the Portfolio's shares. U.S. Government Securities are subject to market and interest rate risk, as well as varying degrees of credit risk. Some U.S. Government Securities are issued or guaranteed by the U.S. Treasury and are supported by the full faith and credit of the United States. Other types of U.S. Government Securities are supported by the full faith and credit of the United States (but not issued by the U.S. Treasury). These securities may have less credit risk than U.S. Government Securities not supported by the full faith and credit of the United States. Such other types of U.S. Government Securities are: (1) supported by the ability of the issuer to borrow from the U.S. Treasury; (2) supported only by the credit of the issuing agency, instrumentality or government-sponsored corporation; or (3) supported by the United States in some other way. These securities may be subject to greater credit risk. U.S. Government Securities include zero coupon securities, which tend to be subject to greater market risk than interest-paying securities of similar maturities.

Securities issued by U.S. Government agencies or government-sponsored enterprises may not be guaranteed by the U.S. Treasury. Government National Mortgage Association ("GNMA"), a wholly-owned U.S. Government corporation, is authorized to guarantee, with the full faith and credit of the U.S. Government, the timely payment of principal and interest on securities issued by institutions approved by GNMA and backed by pools of mortgages insured by the Federal Housing Administration or guaranteed by the Department of Veterans Affairs. Government-related guarantors (*i.e.*, not backed by the full faith and credit of the U.S. Government) include the Federal National Mortgage Association ("FNMA") and the Federal Home Loan Mortgage Corporation ("FHLMC"). Pass-through securities issued by FNMA are guaranteed as to timely payment of principal and interest by FNMA but are not backed by the full faith and credit of the U.S. Government. FHLMC guarantees the timely payment of interest and ultimate collection of principal, but its participation certificates are not backed by the full faith and credit of the U.S. Government. Under the direction of the Federal Housing Finance Agency, FNMA and FHLMC have entered into a joint initiative to develop a common securitization platform for the issuance of a uniform mortgage-backed security (the "Single Security Initiative") that aligns the characteristics of FNMA and FHLMC certificates. The Single Security Initiative is expected to be implemented on June 3, 2019, and the effects it may have on the market for mortgage-backed securities are uncertain.

## Municipal Bonds

Municipal Bonds are generally issued by states, territories, possessions and local governments and their agencies, authorities and other instrumentalities. Municipal Bonds are subject to interest rate, credit and market risk, uncertainties related to the tax status of a Municipal Bond or the rights of investors invested in these securities. The ability of an issuer to make payments could be affected by litigation, legislation or other political events or the bankruptcy of the issuer. In addition, imbalances in supply and demand in the municipal market may result in a deterioration of liquidity and a lack of price transparency in the market. At certain times, this may affect pricing, execution and transaction costs associated with a particular trade. The value of certain municipal securities, in particular general obligation debt, may also be adversely affected by rising health care costs, increasing unfunded pension liabilities, changes in accounting standards and by the phasing out of federal programs providing financial support. Lower rated Municipal Bonds are subject to greater credit and market risk than higher quality Municipal Bonds. The types of Municipal Bonds in which the Portfolios may invest include municipal lease obligations, municipal general obligation bonds, municipal essential service revenue bonds, municipal cash equivalents, and pre-refunded and escrowed to maturity Municipal Bonds. The Portfolios may also invest in industrial development bonds, which are Municipal Bonds issued by a government agency on behalf of a private sector company and, in most cases, are not backed by the credit of the issuing municipality and may therefore involve more risk. The Portfolios may also invest in securities issued by entities whose underlying assets are Municipal Bonds.

Pre-refunded Municipal Bonds are tax-exempt bonds that have been refunded to a call date on or before the final maturity of principal and remain outstanding in the municipal market. The payment of principal and interest of the pre-refunded Municipal Bonds held by the Underlying PIMCO Funds is funded from securities in a designated escrow account that holds U.S. Treasury securities or other obligations of the U.S. Government (including its agencies and instrumentalities ("Agency Securities")). As the payment of principal and interest is generated from securities held in a designated escrow account, the pledge of the municipality has been fulfilled and the original pledge of revenue by the municipality is no longer in place. The escrow account securities pledged to pay the principal and interest of the pre-refunded Municipal Bond do not guarantee the price movement of the bond before maturity. Investment in pre-refunded Municipal Bonds held by the Underlying PIMCO Funds may subject the Underlying PIMCO Funds to interest rate risk, market risk and credit risk.

In addition, while a secondary market exists for pre-refunded Municipal Bonds, if an Underlying PIMCO Fund sells pre-refunded Municipal Bonds prior to maturity, the price received may be more or less than the original cost, depending on market conditions at the time of sale.

Certain Underlying PIMCO Funds may invest in trust certificates issued in tender option bond programs. In these programs, a trust typically issues two classes of certificates and uses the proceeds to purchase municipal securities having relatively long maturities and bearing interest at a fixed interest rate substantially higher than prevailing short-term tax-exempt rates. There is a risk that an Underlying PIMCO Fund investing in a tender

option bond program will not be considered the owner of a tender option bond for federal income tax purposes, and thus will not be entitled to treat such interest as exempt from federal income tax. Certain tender option bonds may be illiquid or may become illiquid as a result of, among other things, a credit rating downgrade, a payment default or a disqualification from tax-exempt status.

The Portfolio's investment in the securities issued by a tender option bond trust may involve greater risk and volatility than an investment in a fixed rate bond, and the value of such securities may decrease significantly when market interest rates increase. Tender option bond trusts could be terminated due to market, credit or other events beyond the Portfolio's control, which could require the Portfolio to dispose of portfolio investments at inopportune times and prices. The Portfolio may use a tender option bond program as a way of achieving leverage in its portfolio, in which case the Portfolio will be subject to leverage risk.

In December 2013, regulators finalized rules implementing Section 619 (the "Volcker Rule") and Section 941 (the "Risk Retention Rules") of the Dodd-Frank Wall Street Reform and Consumer Protection Act. Both the Volcker Rule and the Risk Retention Rules apply to tender option bond programs and place restrictions on the way certain sponsors may participate in tender option bond programs. Specifically, the Volcker Rule generally prohibits banking entities from engaging in proprietary trading or from acquiring or retaining an ownership interest in, or sponsoring, a hedge fund or private equity fund ("covered fund"), subject to certain exemptions and limitations. Tender option bond programs generally are considered to be covered funds under the Volcker Rule, and, thus, may not be sponsored by a banking entity absent an applicable exemption. The Volcker Rule does not provide for any exemption that would allow banking entities to sponsor tender option bonds in the same manner as they did prior to the Volcker Rule's compliance date, which was July 21, 2017.

## Mortgage-Related and Other Asset-Backed Securities

Mortgage-related securities include mortgage pass-through securities, collateralized mortgage obligations ("CMOs"), commercial mortgage-backed securities, mortgage dollar rolls, CMO residuals, stripped mortgage-backed securities ("SMBs") and other securities that directly or indirectly represent a participation in, or are secured by and payable from, mortgage loans on real property.

The value of some mortgage- or asset-backed securities may be particularly sensitive to changes in prevailing interest rates. Early repayment of principal on some mortgage-related securities may expose an Underlying PIMCO Fund to a lower rate of return upon reinvestment of principal. When interest rates rise, the value of a mortgage-related security generally will decline; however, when interest rates are declining, the value of mortgage-related securities with prepayment features may not increase as much as other fixed income securities. The rate of prepayments on underlying mortgages will affect the price and volatility of a mortgage-related security, and may shorten or extend the effective maturity of the security beyond what was anticipated at the time of purchase. If unanticipated rates of prepayment on underlying mortgages increase the effective maturity of a mortgage-related security, the volatility of the security can be expected to increase. The value of these securities may fluctuate in response to the market's perception of

the creditworthiness of the issuers. See "Extension Risk" and "Prepayment Risk" below. The values of these securities may also fluctuate in response to the market's perception of the creditworthiness of the issuers. Additionally, although mortgages and mortgage-related securities are generally supported by some form of government or private guarantee and/or insurance, there is no assurance that guarantors or insurers will meet their obligations.

- **Extension Risk.** Mortgage-related and other asset-backed securities are subject to Extension Risk, which is the risk that the issuer of such a security pays back the principal of such an obligation later than expected. This may occur when interest rates rise. This may negatively affect an Underlying PIMCO Fund's returns, as the value of the security decreases when principal payments are made later than expected. In addition, because principal payments are made later than expected, the Underlying PIMCO Funds may be prevented from investing proceeds it would otherwise have received at a given time at the higher prevailing interest rates.
- **Prepayment Risk.** Mortgage-related and other asset-backed securities are subject to Prepayment Risk, which is the risk that the issuer of such a security pays back the principal of such an obligation earlier than expected (due to the sale of the underlying property, refinancing, or foreclosure). This may occur when interest rates decline. Prepayment may expose the Underlying PIMCO Funds to a lower rate of return upon reinvestment of principal. Also, if a security subject to prepayment has been purchased at a premium, the value of the premium would be lost in the event of prepayment.

One type of SMBS has one class receiving all of the interest from the mortgage assets (the interest-only, or "IO" class), while the other class will receive all of the principal (the principal-only, or "PO" class). The yield to maturity on an IO class is extremely sensitive to the rate of principal payments (including prepayments) on the underlying mortgage assets, and a rapid rate of principal payments may have a material adverse effect on an Underlying PIMCO Fund's yield to maturity from these securities. Certain Underlying PIMCO Funds may invest up to 5% of their total assets in any combination of mortgage-related or other asset-backed IO, PO or inverse floater securities.

An Underlying PIMCO Fund may invest in each of collateralized bond obligations ("CBOs"), collateralized loan obligations ("CLOs"), other collateralized debt obligations ("CDOs") and other similarly structured securities. CBOs, CLOs and other CDOs are types of asset-backed securities. A CBO is a trust which is backed by a diversified pool of high-risk, below investment grade fixed income securities. A CLO is a trust typically collateralized by a pool of loans, which may include, among others, domestic and foreign senior secured loans, senior unsecured loans, and subordinate corporate loans, including loans that may be rated below investment grade or equivalent unrated loans. Other CDOs are trusts backed by other types of assets representing obligations of various parties.

## Loan Participations and Assignments

Certain Underlying PIMCO Funds may invest in fixed- and floating-rate loans, which investments generally will be in the form of loan participations and assignments of all or portions of such loans. Participations and

assignments involve special types of risk, including extension risk, prepayment risk, credit risk, interest rate risk, liquidity risk, and the risks of being a lender. Loans are subject to the risk that scheduled interest or principal payments will not be made in a timely manner or at all, either of which may adversely affect the value of the loan. In addition, the collateral underlying a loan may be unavailable or insufficient to satisfy a borrower's obligation, and the Portfolio could become part owner of any collateral if a loan is foreclosed, subjecting the Portfolio to costs associated with owning and disposing of the collateral. If an Underlying PIMCO Fund purchases a participation, it may only be able to enforce its rights through the lender, and may assume the credit risk of the lender in addition to the borrower.

## Reinvestment

An Underlying PIMCO Fund may be subject to the risk that the returns of the Underlying PIMCO Fund will decline during periods of falling interest rates because the Underlying PIMCO Fund may have to reinvest the proceeds from matured, traded or called debt obligations at interest rates below the Underlying PIMCO Fund's current earnings rate. For instance, when interest rates decline, an issuer of debt obligations may exercise an option to redeem securities prior to maturity, thereby forcing the Underlying PIMCO Fund to invest in lower-yielding securities. An Underlying PIMCO Fund also may choose to sell higher-yielding portfolio securities and to purchase lower-yielding securities to achieve greater portfolio diversification, because the Underlying PIMCO Fund's portfolio manager believes the current holdings are overvalued or for other investment-related reasons. A decline in the returns received by an Underlying PIMCO Fund from its investments is likely to have an adverse effect on the Underlying PIMCO Fund's NAV, yield and total return.

## Focused Investment

To the extent that an Underlying PIMCO Fund focuses its investments in a particular sector, the Underlying PIMCO Fund may be susceptible to loss due to adverse developments affecting that sector. These developments include, but are not limited to, governmental regulation; inflation; rising interest rates; cost increases in raw materials, fuel and other operating expenses; technological innovations that may render existing products and equipment obsolete; competition from new entrants; high research and development costs; increased costs associated with compliance with environmental or other governmental regulations; and other economic, business or political developments specific to that sector. Furthermore, an Underlying PIMCO Fund may invest a substantial portion of its assets in companies in related sectors that may share common characteristics, are often subject to similar business risks and regulatory burdens, and whose securities may react similarly to the types of developments described above, which will subject the Underlying PIMCO Fund to greater risk. An Underlying PIMCO Fund also will be subject to focused investment risk to the extent that it invests a substantial portion of its assets in a particular issuer, market, asset class, country or geographic region.

## Corporate Debt Securities

Corporate debt securities are subject to the risk of the issuer's inability to meet principal and interest payments on the obligation and may also be subject to price volatility due to such factors as interest rate sensitivity,

market perception of the creditworthiness of the issuer and general market liquidity. When interest rates rise, the value of corporate debt securities can be expected to decline. Debt securities with longer maturities tend to be more sensitive to interest rate movements than those with shorter maturities. In addition, certain corporate debt securities may be highly customized and as a result may be subject to, among others, liquidity and pricing transparency risks.

## High Yield Securities and Distressed Companies

Securities rated lower than Baa by Moody's, or equivalently rated by S&P or Fitch, are sometimes referred to as "high yield securities" or "junk bonds." Issuers of these securities may be distressed and undergoing restructuring, bankruptcy or other proceedings in an attempt to avoid insolvency. Investing in these securities involves special risks in addition to the risks associated with investments in higher-rated fixed income securities. While offering a greater potential opportunity for capital appreciation and higher yields, high yield and distressed company securities typically entail greater potential price volatility and may be less liquid than higher-rated securities. High yield securities and debt securities of distressed companies may be regarded as predominately speculative with respect to the issuer's continuing ability to meet principal and interest payments. They may also be more susceptible to real or perceived adverse economic and competitive industry conditions than higher-rated securities. Certain Underlying PIMCO Funds may invest in securities that are in default with respect to the payment of interest or repayment of principal, or present an imminent risk of default with respect to such payments. Issuers of securities in default may fail to resume principal or interest payments, in which case an Underlying PIMCO Fund may lose its entire investment.

## Variable and Floating Rate Securities

Variable and floating rate securities are securities that pay interest at rates that adjust whenever a specified interest rate changes and/or that reset on predetermined dates (such as the last day of a month or a calendar quarter). Each Underlying PIMCO Fund may invest in floating rate debt instruments ("floaters") and certain Underlying PIMCO Funds may engage in credit spread trades. Variable and floating rate securities generally are less sensitive to interest rate changes but may decline in value if their interest rates do not rise as much, or as quickly, as interest rates in general. Conversely, floating rate securities will not generally increase in value if interest rates decline. Certain Underlying PIMCO Funds may also invest in inverse floating rate debt instruments ("inverse floaters"). An inverse floater may exhibit greater price volatility than a fixed rate obligation of similar credit quality. Underlying PIMCO Funds that may invest in these securities may invest up to 5% of their total assets in any combination of mortgage-related or other asset-backed IO, PO, or inverse floater securities. Additionally, certain Underlying PIMCO Funds may also invest, without limitation, in residual interest bonds. Residual interest bonds are a type of inverse floater. See "Municipal Bonds."

## Inflation-Indexed Bonds

Inflation-indexed bonds (other than municipal inflation-indexed bonds and certain corporate inflation-indexed bonds, which are more fully described below) are fixed income securities whose principal value is periodically

adjusted according to the rate of inflation. If the index measuring inflation falls, the principal value of inflation-indexed bonds (other than municipal inflation-indexed bonds and certain corporate inflation-indexed bonds) will be adjusted downward, and consequently the interest payable on these securities (calculated with respect to a smaller principal amount) will be reduced. Repayment of the original bond principal upon maturity (as adjusted for inflation) is guaranteed in the case of TIPS. For bonds that do not provide a similar guarantee, the adjusted principal value of the bond repaid at maturity may be less than the original principal.

TIPS may also be divided into individual zero-coupon instruments for each coupon or principal payment (known as "iSTRIPS"). An iSTRIP of the principal component of a TIPS issue will retain the embedded deflation floor that will allow the holder of the security to receive the greater of the original principal or inflation-adjusted principal value at maturity. iSTRIPS may be less liquid than conventional TIPS because they are a small component of the TIPS market.

Municipal inflation-indexed securities are municipal bonds that pay coupons based on a fixed rate plus CPI. With regard to municipal inflation-indexed bonds and certain corporate inflation-indexed bonds, the inflation adjustment is reflected in the semi-annual coupon payment. As a result, the principal value of municipal inflation-indexed bonds and such corporate inflation-indexed bonds does not adjust according to the rate of inflation. At the same time, the value of municipal inflation-indexed securities and such corporate inflation indexed securities generally will not increase if the rate of inflation decreases. Because municipal inflation-indexed securities and corporate inflation-indexed securities are a small component of the municipal bond and corporate bond markets, respectively, they may be less liquid than conventional municipal and corporate bonds.

The value of inflation-indexed bonds is expected to change in response to changes in real interest rates. Real interest rates are tied to the relationship between nominal interest rates and the rate of inflation. If nominal interest rates increase at a faster rate than inflation, real interest rates may rise, leading to a decrease in value of inflation-indexed bonds. Any increase in the principal amount of an inflation-indexed bond will be considered taxable ordinary income, even though investors do not receive their principal until maturity.

## Volatility

Volatility measures the variability in the price of an investment over time. A higher volatility level signifies an investment's value may fluctuate over a larger range within a short period of time, either up or down. A lower volatility level means an investment's value is more likely to change within a narrower range, or less frequently, over time. The more volatile the portfolio holdings of the Portfolio, the less predictable the returns for the Portfolio. Higher volatility levels may indicate heightened risk of losses.

PIMCO's use of investments in seeking to manage a Portfolio's volatility will be consistent with the Portfolio's asset allocation guidelines. Although asset allocation cannot eliminate investment risk or losses, it may provide opportunities to manage a Portfolio's volatility relative to a Portfolio's target annualized volatility level.

## Event-Linked Exposure

Certain Underlying PIMCO Funds may obtain event-linked exposure by investing in "event-linked bonds" or "event-linked swaps" or by implementing "event-linked strategies." Event-linked exposure results in gains or losses that typically are contingent, or formulaically related to defined trigger events. Examples of trigger events include hurricanes, earthquakes, weather-related phenomena, or statistics related to such events. Some event-linked bonds are commonly referred to as "catastrophe bonds." If a trigger event occurs, an Underlying PIMCO Fund may lose a portion or its entire principal invested in the bond or notional amount on a swap. Event-linked exposure often provides for an extension of maturity to process and audit loss claims where a trigger event has, or possibly has, occurred. An extension of maturity may increase volatility. Event-linked exposure may also expose an Underlying PIMCO Fund to certain unanticipated risks including counterparty risk, adverse regulatory or jurisdictional interpretations, and adverse tax consequences. Event-linked exposures may also be subject to liquidity risk.

## Convertible and Equity Securities

Common stock represents equity ownership in a company and typically provides the common stockholder the power to vote on certain corporate actions, including the election of the company's directors. Common stockholders participate in company profits through dividends and, in the event of bankruptcy, distributions, on a pro-rata basis after other claims are satisfied. Many factors affect the value of common stock, including earnings, earnings forecasts, corporate events and factors impacting the issuer's industry and the market generally. Common stock generally has the greatest appreciation and depreciation potential of all corporate securities.

Certain Underlying PIMCO Funds may invest in convertible securities and equity securities, as well as securities related to equities. Equity-related securities include securities having an equity component (e.g., hybrids, bank capital) and equity derivatives. Convertible securities are generally preferred securities and other securities, including fixed income securities and warrants, that are convertible into or exercisable for common stock at a stated price or rate. The price of a convertible security will normally vary in some proportion to changes in the price of the underlying common stock because of this conversion or exercise feature. However, the value of a convertible security may not increase or decrease as rapidly as the underlying common stock. A convertible security will normally also provide income and is subject to interest rate risk. Convertible securities may be lower-rated securities subject to greater levels of credit risk. An Underlying PIMCO Fund may be forced to convert a security before it would otherwise choose, which may have an adverse effect on the Underlying PIMCO Fund's ability to achieve its investment objective.

"Synthetic" convertible securities are selected based on the similarity of their economic characteristics to those of a traditional convertible security due to the combination of separate securities that possess the two principal characteristics of a traditional convertible security, i.e., an income-producing security ("income-producing component") and the right to acquire an equity security ("convertible component"). The income-producing component is achieved by investing in non-convertible, income-producing securities such as bonds, preferred securities and money market

instruments, which may be represented by derivative instruments. The convertible component is achieved by investing in securities or instruments such as warrants or options to buy common stock at a certain exercise price, or options on a stock index. A simple example of a synthetic convertible security is the combination of a traditional corporate bond with a warrant to purchase equity securities of the issuer of the bond. An Underlying PIMCO Fund may also purchase synthetic securities created by other parties, typically investment banks, including convertible structured notes. The income-producing and convertible components of a synthetic convertible security may be issued separately by different issuers and at different times.

Preferred and other senior securities generally entitle the holder to receive, in preference to the holders of other securities such as common stocks, dividends and a fixed share of the proceeds resulting from a liquidation of the company. Preferred and other senior securities may pay fixed or adjustable rates of return. Preferred and other senior securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company's preferred and other senior securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred and other senior securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company's financial condition or prospects. In addition, preferred and other senior securities often have special redemption rights allowing issuers to redeem such securities at par earlier than scheduled. If these rights are exercised, an Underlying PIMCO Fund may have to reinvest proceeds in less attractive securities.

Among other risks described in this prospectus, the following issues are particularly associated with investments in preferred and other senior securities.

- **Deferral and Omission of Distributions.** Preferred and other senior securities may include features permitting or requiring the issuer to defer or omit distributions. Among other things, such deferral or omission may result in adverse tax consequences for an Underlying PIMCO Fund.
- **Limited Voting Rights.** Preferred and other senior securities generally do not have voting rights with respect to the issuer unless dividends have been in arrears for certain specified periods of time. In the future, preferred or other senior securities may be offered with features different from those described above, and as such, may entail different risks. Over longer periods of time, certain types of preferred or other senior securities may become more scarce or less liquid as a result of legislative changes. Such events may result in losses to an Underlying PIMCO Fund as the prices of securities it holds may be negatively affected. Revisions to bank capital requirements by international regulatory bodies, to the extent they are adopted in the United States, may also negatively impact the market for certain preferred or senior securities.

While some countries or companies may be regarded as favorable investments, pure fixed income opportunities may be unattractive or limited due to insufficient supply, or legal or technical restrictions. In such cases, subject to its applicable investment restrictions, an Underlying PIMCO Fund

may consider convertible securities or equity securities to gain exposure to such investments.

At times, in connection with the restructuring of a preferred security or Fixed Income Instrument either outside of bankruptcy court or in the context of bankruptcy court proceedings, certain Underlying PIMCO Funds may determine or be required to accept equity securities, such as common stocks, in exchange for all or a portion of a preferred security or Fixed Income Instrument. Depending upon, among other things, PIMCO's evaluation of the potential value of such securities in relation to the price that could be obtained by an Underlying PIMCO Fund at any given time upon sale thereof, an Underlying PIMCO Fund may determine to hold such securities in its portfolio.

While certain Underlying PIMCO Funds will generally invest in equity derivatives and will not normally invest directly in equity securities, each such Underlying PIMCO Fund may invest without limit directly in equity securities, including common stocks, preferred securities and convertible securities. In addition, the PIMCO CommoditiesPLUS® Strategy Fund and PIMCO CommodityRealReturn Strategy Fund®, each an Underlying PIMCO Fund, may invest in equity securities of issuers in commodity-related industries, and the PIMCO RealEstateRealReturn Strategy Fund, an Underlying PIMCO Fund, may invest in REITs and equity securities of issuers in real estate-related industries. When investing directly in equity securities, an Underlying PIMCO Fund will not be limited to only those equity securities with any particular weighting in such Underlying PIMCO Fund's respective benchmark index, if any. Generally, the Underlying PIMCO Funds will consider investing directly in equity securities when derivatives on the underlying securities appear to be overvalued.

Equity securities generally have greater price volatility than fixed income securities. The market price of equity securities owned by an Underlying PIMCO Fund may go up or down, sometimes rapidly or unpredictably. Equity securities may decline in value due to factors affecting equity securities markets generally or particular industries represented in those markets. The value of an equity security may also decline for a number of reasons which directly relate to the issuer, such as management performance, financial leverage and reduced demand for the issuer's goods or services.

## Foreign (Non-U.S.) Securities

Certain Underlying PIMCO Funds may invest in securities and instruments that are economically tied to foreign (non-U.S.) countries. PIMCO generally considers an instrument to be economically tied to a non-U.S. country if the issuer is a foreign (non-U.S.) government (or any political subdivision, agency, authority or instrumentality of such government), or if the issuer is organized under the laws of a non-U.S. country. The Portfolio's investments in foreign (non U.S.) securities may include American Depositary Receipts ("ADRs"), European Depositary Receipts ("EDRs"), Global Depositary Receipts ("GDRs") and similar securities that represent interests in a non-U.S. company's securities that have been deposited with a bank or trust and that trade on a U.S. exchange or over-the-counter. ADRs, EDRs and GDRs may be less liquid or may trade at a different price than the underlying securities of the issuer. In the case of money market instruments other than commercial paper and certificates of deposit, such instruments will be

considered economically tied to a non-U.S. country if the issuer of such money market instrument is organized under the laws of a non-U.S. country. In the case of commercial paper and certificates of deposit, such instruments will be considered economically tied to a non-U.S. country if the “country of exposure” of such instrument is non-U.S. country, as determined by the criteria set forth below. With respect to derivative instruments, PIMCO generally considers such instruments to be economically tied to non-U.S. countries if the underlying assets are foreign currencies (or baskets or indexes of such currencies), or instruments or securities that are issued by foreign governments or issuers organized under the laws of a non-U.S. country (or if the underlying assets are money market instruments other than commercial paper and certificates of deposit, if the issuer of such money market instruments is organized under the laws of a non-U.S. country, or, in the case of underlying assets that are commercial paper or certificates of deposit, if the “country of exposure” of such money market instrument is a non-U.S. country). A security’s “country of exposure” is determined by PIMCO using certain factors provided by a third-party analytical service provider. The factors are applied in order such that the first factor to result in the assignment of a country determines the “country of exposure.” Both the factors and the order in which they are applied may change in the discretion of PIMCO. The current factors, listed in the order in which they are applied, are: (i) if an asset-backed or other collateralized security, the country in which the collateral backing the security is located; (ii) the “country of risk” of the issuer; (iii) if the security is guaranteed by the government of a country (or any political subdivision, agency, authority or instrumentality of such government), the country of the government or instrumentality providing the guarantee; (iv) the “country of risk” of the issuer’s ultimate parent; or (v) the country where the issuer is organized or incorporated under the laws thereof. “Country of risk” is a separate four-part test determined by the following factors, listed in order of importance: (i) management location; (ii) country of primary listing; (iii) sales or revenue attributable to the country; and (iv) reporting currency of the issuer.

Investing in foreign (non-U.S.) securities involves special risks and considerations not typically associated with investing in U.S. securities. Investors should consider carefully the substantial risks involved for Underlying PIMCO Funds that invest in securities issued by foreign companies and governments of foreign countries. These risks include: differences in accounting, auditing and financial reporting standards; generally higher commission rates on foreign portfolio transactions; the possibility of nationalization, expropriation or confiscatory taxation; adverse changes in investment or exchange control regulations; and political instability. Individual foreign economies may differ favorably or unfavorably from the U.S. economy in such respects as growth of gross domestic product, rates of inflation, capital reinvestment, resources, self-sufficiency and balance of payments position. The securities markets, values of securities, yields and risks associated with foreign (non-U.S.) securities markets may change independently of each other. Also, foreign (non-U.S.) securities and dividends and interest payable on those securities may be subject to foreign taxes, including taxes withheld from payments on those securities. Foreign (non-U.S.) securities often trade with less frequency and volume than domestic securities and therefore may exhibit greater price volatility. Investments in foreign (non-U.S.) securities may also involve higher custodial costs than domestic investments and additional transaction

costs with respect to foreign currency conversions. Changes in foreign exchange rates also will affect the value of securities denominated or quoted in foreign currencies.

Certain of the Underlying PIMCO Funds also may invest in sovereign debt issued by governments, their agencies or instrumentalities, or other government-related entities. Holders of sovereign debt may be requested to participate in the rescheduling of such debt and to extend further loans to governmental entities. In addition, there is no bankruptcy proceeding by which defaulted sovereign debt may be collected.

- **Emerging Market Securities.** Certain Underlying PIMCO Funds may invest in securities and instruments that are economically tied to developing (or “emerging market”) countries within the limitations, if any, set forth in each Underlying PIMCO Fund’s prospectus. PIMCO generally considers an instrument to be economically tied to an emerging market country if: the issuer is organized under the laws of an emerging market country; the currency of settlement of the security is a currency of an emerging market country; the security is guaranteed by the government of an emerging market country (or any political subdivision, agency, authority or instrumentality of such government); for an asset-backed or other collateralized security, the country in which the collateral backing the security is located is an emerging market country; or the security’s “country of exposure” is an emerging market country, as determined by the criteria set forth below. With respect to derivative instruments, PIMCO generally considers such instruments to be economically tied to emerging market countries if the underlying assets are currencies of emerging market countries (or baskets or indexes of such currencies), or instruments or securities that are issued or guaranteed by governments of emerging market countries or by entities organized under the laws of emerging market countries or if an instrument’s “country of exposure” is an emerging market country. A security’s “country of exposure” is determined by PIMCO using certain factors provided by a third-party analytical service provider. Both the factors are applied in order such that the first factor to result in the assignment of a country determines the “country of exposure.” The factors, and the order in which they are applied may change in the discretion of PIMCO. The current factors listed in the order in which they are applied, are: (i) if an asset-backed or other collateralized security, the country in which the collateral backing the security is located; (ii) the “country of risk” of the issuer; (iii) if the security is guaranteed by the government of a country (or any political subdivision, agency, authority or instrumentality of such government), the country of the government or instrumentality providing the guarantee; (iv) the “country of risk” of the issuer’s ultimate parent; or (v) the country where the issuer is organized or incorporated under the laws thereof. “Country of risk” is a separate four-part test determined by the following factors, listed in order of importance: (i) management location; (ii) country of primary listing; (iii) sales or revenue attributable to the country; and (iv) reporting currency of the issuer. PIMCO has broad discretion to identify countries that it considers to qualify as emerging markets. In making investments in emerging market securities, an Underlying PIMCO Fund emphasizes



those countries with relatively low gross national product per capita and with the potential for rapid economic growth. Emerging market countries are generally located in Asia, Africa, the Middle East, Latin America and Eastern Europe. PIMCO will select the country and currency composition based on its evaluation of relative interest rates, inflation rates, exchange rates, monetary and fiscal policies, trade and current account balances, legal and political developments and any other specific factors it believes to be relevant.

Investing in emerging market securities imposes risks different from, or greater than, risks of investing in domestic securities or in foreign, developed countries. These risks include: smaller market capitalization of securities markets, which may suffer periods of relative illiquidity; significant price volatility; restrictions on foreign investment; possible repatriation of investment income and capital. In addition, foreign investors may be required to register the proceeds of sales; future economic or political crises could lead to price controls, forced mergers, expropriation or confiscatory taxation, seizure, nationalization, or creation of government monopolies. The currencies of emerging market countries may experience significant declines against the U.S. dollar, and devaluation may occur subsequent to investments in these currencies by an Underlying PIMCO Fund. Many emerging market countries have experienced substantial, and in some periods extremely high, rates of inflation for many years. Inflation and rapid fluctuations in inflation rates have had, and may continue to have, negative effects on the economies and securities markets of certain emerging market countries.

Additional risks of emerging market securities may include: greater social, economic and political uncertainty and instability; more substantial governmental involvement in the economy; less governmental supervision and regulation; unavailability of currency hedging techniques; companies that are newly organized and small; differences in auditing and financial reporting standards, which may result in unavailability of material information about issuers; and less developed legal systems. In addition, emerging securities markets may have different clearance and settlement procedures, which may be unable to keep pace with the volume of securities transactions or otherwise make it difficult to engage in such transactions. Settlement problems may cause an Underlying PIMCO Fund to miss attractive investment opportunities, hold a portion of its assets in cash pending investment, or be delayed in disposing of a portfolio security. Such a delay could result in possible liability to a purchaser of the security.

## Foreign (Non-U.S.) Currencies

Direct investments in foreign (non-U.S.) currencies or in securities that trade in, or receive revenues in, foreign (non-U.S.) currencies will be subject to currency risk. Foreign currency exchange rates may fluctuate significantly over short periods of time. They generally are determined by supply and demand in the foreign exchange markets and the relative merits of investments in different countries, actual or perceived changes in interest rates and other complex factors. Currency exchange rates also can be affected unpredictably by intervention (or the failure to intervene) by U.S. or foreign governments or central banks, or by currency controls or political developments. Currencies in which an Underlying PIMCO Fund's assets are

denominated may be devalued against the U.S. dollar, resulting in a loss to the Underlying PIMCO Fund.

- **Foreign Currency Transactions.** Underlying PIMCO Funds that invest in securities denominated in foreign (non-U.S.) currencies may engage in foreign currency transactions on a spot (cash) basis, enter into forward foreign currency exchange contracts, and invest in foreign currency futures contracts and options on foreign currencies and futures. A forward foreign currency exchange contract, which involves an obligation to purchase or sell a specific currency at a future date at a price set at the time of the contract, reduces the Underlying PIMCO Fund's exposure to changes in the value of the currency it will deliver and increases its exposure to changes in the value of the currency it will receive for the duration of the contract. Certain foreign currency transactions may also be settled in cash rather than the actual delivery of the relevant currency. The effect on the value of the Underlying PIMCO Fund is similar to selling securities denominated in one currency and purchasing securities denominated in another currency. Foreign currency transactions, like currency exchange rates, can be affected unpredictably by intervention (or the failure to intervene) by U.S. or foreign governments or central banks, or by currency controls or political developments. Such events may prevent or restrict the Underlying PIMCO Fund's ability to enter into foreign currency transactions, force the Underlying PIMCO Fund to exit a foreign currency transaction at a disadvantageous time or price or result in penalties for the Underlying PIMCO Fund, any of which may result in a loss to the Underlying PIMCO Fund. A contract to sell a foreign currency would limit any potential gain which might be realized if the value of the hedged currency increases. An Underlying PIMCO Fund may enter into these contracts to hedge against foreign exchange risk, to increase exposure to a foreign currency or to shift exposure to foreign currency fluctuations from one currency to another. Suitable hedging transactions may not be available in all circumstances and there can be no assurance that an Underlying PIMCO Fund will engage in such transactions at any given time or from time to time. Also, such transactions may not be successful and may eliminate any chance for an Underlying PIMCO Fund to benefit from favorable fluctuations in relevant foreign currencies. An Underlying PIMCO Fund may use one currency (or a basket of currencies) to hedge against adverse changes in the value of another currency (or a basket of currencies) when exchange rates between the two currencies are positively correlated. The Underlying PIMCO Fund will segregate or " earmark " assets determined to be liquid by PIMCO in accordance with the procedures established by the Board of Trustees (or, as permitted by applicable law, enter into certain offsetting positions) to cover its obligations under forward foreign currency exchange contracts.
- **Redenomination.** Continuing uncertainty as to the status of the euro and the European Monetary Union (the "EMU") has created significant volatility in currency and financial markets generally. Any partial or complete dissolution of the EMU could have significant adverse effects on currency and financial markets and on the values of an Underlying PIMCO Fund's portfolio investments. If one or more EMU countries were to stop using the euro as its primary currency, an

Underlying PIMCO Fund's investments in such countries may be redenominated into a different or newly adopted currency. As a result, the value of those investments could decline significantly and unpredictably. In addition, securities or other investments that are redenominated may be subject to currency risk, liquidity risk and risk of improper valuation to a greater extent than similar investments currently denominated in euros. To the extent a currency used for redenomination purposes is not specified in respect of certain EMU-related investments, or should the euro cease to be used entirely, the currency in which such investments are denominated may be unclear, making such investments particularly difficult to value or dispose of. An Underlying PIMCO Fund may incur additional expenses to the extent it is required to seek judicial or other clarification of the denomination or value of such securities. There can be no assurance that if an Underlying PIMCO Fund earns income or capital gains in a non-U.S. country or PIMCO otherwise seeks to withdraw the Underlying PIMCO Fund's investments from a given country, capital controls imposed by such country will not prevent, or cause significant expense in, doing so.

## Repurchase Agreements

The Portfolio and each Underlying PIMCO Fund may enter into repurchase agreements, in which the Portfolio or the Underlying PIMCO Fund purchases a security from a bank or broker-dealer, which agrees to repurchase the security at the Portfolio's or the Underlying PIMCO Fund's cost plus interest within a specified time. If the party agreeing to repurchase should default, the Portfolio or the Underlying PIMCO Fund will seek to sell the securities which it holds. This could involve procedural costs or delays in addition to a loss on the securities if their value should fall below their repurchase price.

## Reverse Repurchase Agreements, Dollar Rolls and Other Borrowings

Each Underlying PIMCO Fund may enter into reverse repurchase agreements and dollar rolls, subject to the Underlying PIMCO Fund's limitations on borrowings. A reverse repurchase agreement involves the sale of a security by an Underlying PIMCO Fund and its agreement to repurchase the instrument at a specified time and price. A dollar roll is similar except that the counterparty is not obligated to return the same securities as those originally sold by the Underlying PIMCO Fund but only securities that are "substantially identical." Reverse repurchase agreements and dollar rolls may be considered borrowing for some purposes. An Underlying PIMCO Fund will segregate or " earmark " assets determined to be liquid by PIMCO in accordance with procedures established by the Board of Trustees to cover its obligations under reverse repurchase agreements and dollar rolls. Reverse repurchase agreements, dollar rolls and other forms of borrowings may create leveraging risk for an Underlying PIMCO Fund.

The Portfolio and Underlying PIMCO Funds may borrow money to the extent permitted under the 1940 Act. This means that, in general, the Portfolio or Underlying PIMCO Fund may borrow money from banks for any purpose in an amount up to 1/3 of the Portfolio's or Underlying PIMCO Fund's total assets, less all liabilities and indebtedness not represented by senior securities. The Portfolio or Underlying PIMCO Fund may also borrow

money for temporary administrative purposes in an amount not to exceed 5% of the Portfolio's or Underlying PIMCO Fund's total assets. In addition, the Portfolio may borrow from certain other PIMCO funds in inter-fund lending transactions to the extent permitted by an exemptive order from the SEC.

## Derivatives

Certain Underlying PIMCO Funds may, but are not required to, use derivative instruments for risk management purposes or as part of its investment strategies. Generally, derivatives are financial contracts whose value depends upon, or is derived from, the value of an underlying asset, reference rate or index, and may relate to stocks, bonds, interest rates, spreads between different interest rates, currencies or currency exchange rates, commodities, and related indexes. Examples of derivative instruments include options contracts, futures contracts, options on futures contracts and swap agreements (including, but not limited to, credit default swaps and swaps on exchange-traded funds). An Underlying PIMCO Fund may invest some or all of its assets in derivative instruments, subject to the Underlying PIMCO Fund's objective and policies. A portfolio manager may decide not to employ any of these strategies and there is no assurance that any derivatives strategy used by an Underlying PIMCO Fund will succeed. A description of these and other derivative instruments that the Underlying PIMCO Funds may use are described under "Investment Objectives and Policies" in the SAI.

An Underlying PIMCO Fund's use of derivative instruments involves risks different from, or possibly greater than, the risks associated with investing directly in securities and other more traditional investments. Certain derivative transactions may have a leveraging effect on an Underlying PIMCO Fund. For example, a small investment in a derivative instrument may have a significant impact on an Underlying PIMCO Fund's exposure to interest rates, currency exchange rates or other investments. As a result, a relatively small price movement in a derivative instrument may cause an immediate and substantial loss or gain. An Underlying PIMCO Fund may engage in such transactions regardless of whether the Underlying PIMCO Fund owns the asset, instrument or components of the index underlying the derivative instrument. An Underlying PIMCO Fund may invest a significant portion of its assets in these types of instruments. If it does, the Underlying PIMCO Fund's investment exposure could far exceed the value of its portfolio securities and its investment performance could be primarily dependent upon securities it does not own. A description of various risks associated with particular derivative instruments is included in "Investment Objectives and Policies" in the SAI. The following provides a more general discussion of important risk factors relating to all derivative instruments that may be used by the Underlying PIMCO Funds.

*CPI Swap.* A CPI swap is a fixed maturity, over-the-counter derivative transaction in which the investor receives the "realized" rate of inflation as measured by the Consumer Price Index for All Urban Consumers ("CPI") over the life of the swap. The investor in turn pays a fixed annualized rate over the life of the swap. This fixed rate is often referred to as the "breakeven inflation" rate and is generally representative of the difference between treasury yields and TIPS yields of similar maturities at the initiation of the swap. CPI swaps are typically in "bullet" format, where all cash flows

are exchanged at maturity. In addition to counterparty risk, CPI swaps are also subject to inflation risk, where the swap can potentially lose value if the realized rate of inflation over the life of the swap is less than the fixed market implied inflation rate (fixed breakeven rate) that the investor agrees to pay at the initiation of the swap.

**Management Risk.** Derivative products are highly specialized instruments that require investment techniques and risk analyses different from those associated with stocks and bonds. The use of a derivative requires an understanding not only of the underlying instrument but also of the derivative itself, without the benefit of observing the performance of the derivative under all possible market conditions.

**Credit Risk.** The use of certain derivative instruments involves the risk that a loss may be sustained as a result of the failure of another party to the contract (usually referred to as a “counterparty”) to make required payments or otherwise comply with the contract’s terms. Additionally, a short position in a credit default swap could result in losses if an Underlying PIMCO Fund does not correctly evaluate the creditworthiness of the company on which the credit default swap is based.

**Liquidity Risk.** Liquidity risk exists when a particular derivative instrument is difficult to purchase or sell. If a derivative transaction is particularly large or if the relevant market is illiquid (as is the case with many privately negotiated derivatives), it may not be possible to initiate a transaction or liquidate a position at an advantageous time or price.

**Leverage Risk.** Because many derivatives have a leverage component, adverse changes in the value or level of the underlying asset, reference rate or index could result in a loss substantially greater than the amount invested in the derivative itself. Certain derivatives have the potential for unlimited loss, regardless of the size of the initial investment. When an Underlying PIMCO Fund uses derivatives for leverage, investments in that Underlying PIMCO Fund will tend to be more volatile, resulting in larger gains or losses in response to market changes. To limit leverage risk, the Underlying PIMCO Fund will segregate or “ earmark ” assets determined to be liquid by PIMCO in accordance with procedures established by the Underlying PIMCO Fund’s Board of Trustees (or, as permitted by applicable regulation, enter into certain offsetting positions) to cover its obligations under derivative instruments.

**Lack of Availability.** Because the markets for certain derivative instruments (including markets located in foreign countries) are relatively new and still developing, suitable derivatives transactions may not be available in all circumstances for risk management or other purposes. Upon the expiration of a particular contract, a portfolio manager may wish to retain an Underlying PIMCO Fund’s position in the derivative instrument by entering into a similar contract, but may be unable to do so if the counterparty to the original contract is unwilling to enter into the new contract and no other suitable counterparty can be found. There is no assurance that an Underlying PIMCO Fund will engage in derivatives transactions at any time or from time to time. An Underlying PIMCO Fund’s ability to use derivatives may also be limited by certain regulatory and tax considerations.

**Correlation Risk.** In certain cases, the value of derivatives may not correlate perfectly, or at all, with the value of the assets, reference rates or indexes they are designed to closely track. For example, a swap agreement on an

exchange-traded fund would not correlate perfectly with the index upon which the exchange-traded fund is based because the fund’s return is net of fees and expenses. In this regard, many of the Underlying PIMCO Funds seek to achieve their investment objectives, in part, by investing in derivatives positions that are designed to closely track the performance (or inverse performance) of an index on a daily basis. However, the overall investment strategies of these Underlying PIMCO Funds are not designed or expected to produce returns which replicate the performance (or inverse performance) of the particular index, and the degree of variation could be substantial, particularly over longer periods. There are a number of factors which may prevent an Underlying PIMCO Fund, or derivatives or other strategies used by the Underlying PIMCO Fund, from achieving a desired correlation (or inverse correlation) with an index. These may include, but are not limited to: (i) the impact of fund fees, expenses and transaction costs, including borrowing and brokerage costs/bid-ask spreads, which are not reflected in index returns; (ii) differences in the timing of daily calculations of the value of an index and the timing of the valuation of derivatives, securities and other assets held by the Underlying PIMCO Fund and the determination of the NAV value of Underlying PIMCO Fund shares; (iii) disruptions or illiquidity in the markets for derivative instruments or securities in which the Underlying PIMCO Fund invests; (iv) a fund having exposure to or holding less than all of the securities in the underlying index and/or having exposure to or holding securities not included in the underlying index; (v) large or unexpected movements of assets into and out of a fund (due to share purchases or redemptions, for example), potentially resulting in the Underlying PIMCO Fund being over- or under-exposed to the index; (vi) the impact of accounting standards or changes thereto; (vii) changes to the applicable index that are not disseminated in advance; (viii) a possible need to conform the Underlying PIMCO Fund’s portfolio holdings to comply with investment restrictions or policies or regulatory or tax law requirements; and (ix) fluctuations in currency exchange rates.

**Market and Other Risks.** Like most other investments, derivative instruments are subject to the risk that the market value of the instrument will change in a way detrimental to an Underlying PIMCO Fund’s interest. If a portfolio manager incorrectly forecasts the values of securities, currencies or interest rates or other economic factors in using derivatives for an Underlying PIMCO Fund, the Underlying PIMCO Fund might have been in a better position if it had not entered into the transaction at all. While some strategies involving derivative instruments can reduce the risk of loss, they can also reduce the opportunity for gain or even result in losses by offsetting favorable price movements in other Underlying PIMCO Fund investments. An Underlying PIMCO Fund may also have to buy or sell a security at a disadvantageous time or price because the Underlying PIMCO Fund is legally required to maintain offsetting positions or asset coverage in connection with certain derivatives transactions. The regulation of the derivatives markets has increased over the past several years, and additional future regulation of the derivatives markets may make derivatives more costly, may limit the availability or reduce the liquidity of derivatives, or may otherwise adversely affect the value or performance of derivatives. Any such adverse future developments could impair the effectiveness or raise the costs of the Underlying PIMCO Fund’s derivative transactions, or impede the employment of the Underlying PIMCO Fund’s derivatives strategies, or adversely affect the Underlying PIMCO Fund’s performance.

Other risks in using derivatives include the risk of mispricing or improper valuation of derivatives. Many derivatives, in particular privately negotiated derivatives, are complex and often valued subjectively. Improper valuations can result in increased cash payment requirements to counterparties or a loss of value to an Underlying PIMCO Fund. In addition, an Underlying PIMCO Fund's use of derivatives may cause the Underlying PIMCO Fund to realize higher amounts of short-term capital gains (generally taxed at ordinary income tax rates) than if the Underlying PIMCO Fund had not used such instruments.

■ **A Note on the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund.** The Portfolio may invest in the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund. In light of certain revenue rulings and private letter rulings issued to the Underlying PIMCO Funds by the IRS, as discussed above under "Tax Consequences-A Note on the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund," will seek to gain exposure to the commodity markets primarily through investments in leveraged or unleveraged commodity index-linked notes, which are derivative debt instruments with principal and/or coupon payments linked to the performance of commodity indices, and through investments in its respective Subsidiary (as discussed below). The Underlying PIMCO Funds may also invest in commodity-linked notes with principal and/or coupon payments linked to the value of particular commodities or commodity futures contracts, or a subset of commodities and commodities futures contracts.

These notes are sometimes referred to as "structured notes" because the terms of these notes may be structured by the issuer and the purchaser of the note. The value of these notes will rise or fall in response to changes in the underlying commodity, commodity futures contract, subset of commodities, subset of commodities futures contracts or commodity index.

These notes expose the Underlying PIMCO Funds economically to movements in commodity prices. These notes also are subject to risks, such as credit, market and interest rate risks, that in general affect the values of debt securities. In addition, these notes are often leveraged, increasing the volatility of each note's market value relative to changes in the underlying commodity, commodity futures contract or commodity index. Therefore, at the maturity of the note, the Underlying PIMCO Funds may receive more or less principal than it originally invested. The Underlying PIMCO Funds might receive interest payments on the note that are more or less than the stated coupon interest payments.

The Underlying PIMCO Funds may also invest in other commodity-linked derivative instruments, including swap agreements, commodity options, futures and options on futures. The value of a commodity-linked derivative investment generally is based upon the price movements of a physical commodity (such as energy, mineral, or agricultural products), a commodity futures contract, a subset of commodities, a subset of commodities futures

contracts or commodity index, or other economic variable based upon changes in the value of commodities or the commodities markets.

Options transactions may be effected on exchanges or in the OTC market. When OTC options are purchased, an Underlying PIMCO Fund's portfolio bears the risk that the counterparty that wrote the option will be unable or unwilling to perform its obligations under the option contract. Options may also be illiquid and, in such cases, an Underlying PIMCO Fund may have difficulty closing out its position. OTC options also may include options on baskets of specific securities.

Many swap transactions are privately negotiated agreements between a fund and a counterparty to exchange or swap investment cash flows or assets at specified intervals in the future. The obligations may extend beyond one year. There is often no central exchange for swap transactions and therefore they can be less liquid investments than exchange-traded instruments. The Dodd-Frank Act and related regulatory developments require the clearing and exchange-trading of certain standardized OTC derivative instruments that the CFTC and SEC have defined as "swaps." The CFTC has implemented mandatory exchange-trading and clearing requirements under the Dodd-Frank Act and the CFTC continues to approve contracts for central clearing. Uncleared swaps are subject to margin requirements that are being implemented on a phased-in basis. The investment adviser will continue to monitor these developments, particularly to the extent regulatory changes affect an Underlying PIMCO Fund's ability to enter into swap agreements.

As described below under "Characteristics and Risks of Securities and Investment Techniques-Investments in a Wholly-Owned Subsidiary," the Underlying PIMCO Funds may gain exposure to commodity markets by investing in their respective Subsidiaries. It is expected that each such Subsidiary will invest primarily in commodity-linked derivative instruments, including swap agreements, commodity options, futures and options on futures, backed by a portfolio of inflation-indexed securities and other Fixed Income Instruments.

The IRS issued a revenue ruling that limits the extent to which the Underlying PIMCO Funds may invest directly in commodity-linked swaps or certain other commodity-linked derivatives. The Subsidiaries, on the other hand, may invest in these commodity-linked derivatives generally without limitation. See "Tax Consequences-A Note on the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund," above for further information.

## Investments in a Wholly Owned Subsidiary

Investments in the Subsidiaries by the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund, are expected to provide the Underlying PIMCO Funds with exposure to the commodity markets within the limitations of Subchapter M of the Code and recent IRS revenue rulings, as discussed above under "Tax Consequences-A Note on the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund, each an Underlying PIMCO Fund."

It is expected that each Subsidiary will invest primarily in commodity-linked derivative instruments, including swap agreements, commodity options, futures and options on futures, backed by a portfolio of inflation indexed securities and other Fixed Income Instruments. Although the Underlying PIMCO Funds may enter into these commodity-linked derivative instruments directly, the Underlying PIMCO Funds will likely gain exposure to these derivative instruments indirectly by investing in the their respective Subsidiaries. To the extent that PIMCO believes that these commodity-linked derivative instruments are better suited to provide exposure to the commodities market than commodity index-linked notes, each Underlying PIMCO Fund's investment in its respective Subsidiary will likely increase. Each Subsidiary will also invest in inflation-indexed securities and/or other Fixed Income Instruments, which are intended to serve as margin or collateral for the Subsidiary's derivatives position, common and preferred securities as well as convertible securities of issuers in commodity-related industries, collateralized debt obligations, event-linked bonds and event-linked swaps. To the extent that an Underlying PIMCO Fund invests in its respective Subsidiary, it may be subject to the risks associated with those derivative instruments and other securities, which are discussed elsewhere in this prospectus.

While each Subsidiary may be considered similar to an investment company, it is not registered under the 1940 Act and, unless otherwise noted in each Underlying PIMCO Fund's prospectus, is not subject to all of the investor protections of the 1940 Act. In addition, changes in the laws of the United States and/or the Cayman Islands could result in the inability of an Underlying PIMCO Fund and/or a Subsidiary to operate as described in this prospectus and the SAI and could adversely affect an Underlying PIMCO Fund as well as the Portfolio (to the extent the Portfolio invests in an Underlying PIMCO Fund). Changes in the laws of the United States and/or the Cayman Islands could adversely affect the performance of an Underlying PIMCO Fund and/or a Subsidiary and result in the Underlying PIMCO Fund underperforming its benchmark index(es).

## Real Estate Investment Trusts (REITs)

Certain Underlying PIMCO Funds may invest in REITs. REITs are pooled investment vehicles that own, and usually operate, income-producing real estate. Some REITs also finance real estate. If a REIT meets certain requirements, including distributing to shareholders substantially all of its taxable income (other than net capital gains), then it is not taxed on the income distributed to shareholders. Therefore, REITs tend to pay higher dividends than other issuers.

REITs can be divided into three basic types: Equity REITs, Mortgage REITs and Hybrid REITs. Equity REITs invest the majority of their assets directly in real property. They derive their income primarily from rents received and any profits on the sale of their properties. Mortgage REITs invest the majority of their assets in real estate mortgages and derive most of their income from mortgage interest payments. As its name suggests, Hybrid REITs combine characteristics of both Equity REITs and Mortgage REITs.

An investment in a REIT, or in a real estate linked derivative instrument linked to the value of a REIT, is subject to the risks that impact the value of the underlying properties of the REIT. These risks include loss to casualty or condemnation, and changes in supply and demand, interest rates, zoning

laws, regulatory limitations on rents, property taxes and operating expenses. Other factors that may adversely affect REITs include poor performance by management of the REIT, changes to the tax laws, or failure by the REIT to qualify for tax-free distribution of income. REITs are also subject to default by borrowers and self-liquidation, and are heavily dependent on cash flow. Some REITs lack diversification because they invest in a limited number of properties, a narrow geographic area, or a single type of property. Mortgage REITs may be impacted by the quality of the credit extended.

## Exchange-Traded Notes (ETNs)

Certain Underlying PIMCO Funds may invest in ETNs. ETNs are senior, unsecured, unsubordinated debt securities whose returns are linked to the performance of a particular market benchmark or strategy minus applicable fees. ETNs are traded on an exchange (e.g., the NYSE) during normal trading hours. However, investors can also hold the ETN until maturity. At maturity, the issuer pays to the investor a cash amount equal to the principal amount, subject to the day's market benchmark or strategy factor.

ETNs do not make periodic coupon payments or provide principal protection. ETNs are subject to credit risk and the value of the ETN may drop due to a downgrade in the issuer's credit rating, despite the underlying market benchmark or strategy remaining unchanged. The value of an ETN may also be influenced by time to maturity, level of supply and demand for the ETN, volatility and lack of liquidity in underlying assets, changes in the applicable interest rates, changes in the issuer's credit rating, and economic, legal, political, or geographic events that affect the referenced underlying asset. When the Portfolio invests in ETNs, it will bear its proportionate share of any fees and expenses borne by the ETN. The Portfolio's decision to sell its ETN holdings may be limited by the availability of a secondary market. ETNs are also subject to tax risk. The IRS and Congress are considering proposals that would change the timing and character of income and gains from ETNs. There may be times when an ETN share trades at a premium or discount to its market benchmark or strategy.

## Delayed Funding Loans and Revolving Credit Facilities

Certain Underlying PIMCO Funds may also enter into, or acquire participations in, delayed funding loans and revolving credit facilities, in which a lender agrees to make loans up to a maximum amount upon demand by the borrower during a specified term. These commitments may have the effect of requiring an Underlying PIMCO Fund to increase its investment in a company at a time when it might not otherwise decide to do so (including at a time when the company's financial condition makes it unlikely that such amounts will be repaid). To the extent that an Underlying PIMCO Fund is committed to advance additional funds, it will segregate or " earmark " assets determined to be liquid by PIMCO in accordance with procedures established by the Board of Trustees in an amount sufficient to meet such commitments. Delayed funding loans and revolving credit facilities are subject to credit, interest rate and liquidity risk and the risks of being a lender.

## When-Issued, Delayed Delivery and Forward Commitment Transactions

Each Underlying PIMCO Fund may purchase or sell securities which it is eligible to purchase or sell on a when-issued basis, may purchase and sell

such securities for delayed delivery and may make contracts to purchase or sell such securities for a fixed price at a future date beyond normal settlement time (forward commitments). When-issued transactions, delayed delivery purchases and forward commitments involve a risk of loss if the value of the securities declines prior to the settlement date. This risk is in addition to the risk that the Underlying PIMCO Fund's other assets will decline in value. Therefore, these transactions may result in a form of leverage and increase the Underlying PIMCO Fund's overall investment exposure. Typically, no income accrues on securities that an Underlying PIMCO Fund has committed to purchase prior to the time delivery of the securities is made, although the Underlying PIMCO Fund may earn income on securities it has segregated or "earmarked" to cover these positions. When the Portfolio has sold a security on a when-issued, delayed delivery, or forward commitment basis, the Portfolio does not participate in future gains or losses with respect to the security. If the other party to a transaction fails to pay for the securities, the Portfolio could suffer a loss. Additionally, when selling a security on a when-issued, delayed delivery, or forward commitment basis without owning the security, the Portfolio will incur a loss if the security's price appreciates in value such that the security's price is above the agreed-upon price on the settlement date.

## Investment in Other Investment Companies

The Portfolio invests substantially all of its assets in other investment companies. The Portfolio's investment in a particular Underlying PIMCO Fund normally will not exceed 50% of its total assets. An Underlying PIMCO Fund may invest in securities of other investment companies, such as open-end or closed-end management investment companies, including exchange-traded funds, or in pooled accounts, or other unregistered accounts or investment vehicles to the extent permitted by the 1940 Act and the rules and regulations thereunder and any exemptive relief therefrom. As a shareholder of an investment company or other pooled vehicle, the Portfolio may indirectly bear investment advisory fees, supervisory and administrative fees, service fees and other fees which are in addition to the fees the Portfolio pays its service providers.

The Portfolio and each Underlying PIMCO Fund may invest in certain money market funds and/or short-term bond funds ("Central Funds"), to the extent permitted by the 1940 Act, the rules thereunder or exemptive relief therefrom. The Central Funds are registered investment companies created for use solely by the series of the Trust, PIMCO Funds, PIMCO ETF Trust, PIMCO Equity Series and PIMCO Equity Series VIT and certain other series of registered investment companies advised by PIMCO, in connection with their cash management activities. The main investments of the Central Funds are money market instruments and short maturity Fixed Income Instruments. The Central Funds may incur expenses related to their investment activities, but do not pay investment advisory or supervisory and administrative fees to PIMCO.

Each Underlying PIMCO Fund may invest in securities of other investment companies, such as closed-end management investment companies including exchange-traded funds, or in pooled accounts or other investment vehicles which to the extent permitted by the 1940 Act and the rules and regulations thereunder and any exemptive relief therefrom. The limitation described in the foregoing sentence shall not apply to the investments of

the PIMCO CommoditiesPLUS® Strategy Fund, PIMCO CommodityRealReturn Strategy Fund® and PIMCO TRENDS Managed Futures Strategy Fund in the Subsidiaries. As a shareholder of an investment company or other pooled vehicle, the Portfolio or Underlying PIMCO Funds may indirectly bear service and other fees which are in addition to the fees the Portfolio or Underlying PIMCO Funds pays its service providers.

Subject to the restrictions and limitations of the 1940 Act, each Underlying PIMCO Fund may, in the future, elect to pursue its investment objective either by investing directly in securities, or by investing in one or more underlying investment vehicles or companies that have substantially similar investment objectives and policies as the Underlying PIMCO Fund.

## Small-Cap and Mid-Cap Companies

Certain Underlying PIMCO Funds may invest in equity securities of small-capitalization and mid-capitalization companies, a small-cap company generally considered to be a company with a market capitalization of up to \$1.5 billion and a mid-cap company generally considered to be a company with a market capitalization of between \$1.5 billion and \$10 billion. Investments in small-cap and mid-cap companies involve greater risk than investments in large-capitalization companies. Small- and mid-cap companies may not have an established financial history, which can present valuation challenges. The equity securities of small- and mid-cap companies may be subject to increased market fluctuations, due to less liquid markets and more limited managerial and financial resources. The Underlying PIMCO Fund's investments in small- and mid-cap companies may increase the volatility of the Portfolio's portfolio.

## Short Sales

Each Underlying PIMCO Fund may make short sales as part of its overall portfolio management strategies or to offset a potential decline in value of a security. A short sale involves the sale of a security that is borrowed from a broker or other institution to complete the sale. Short sales expose an Underlying PIMCO Fund to the risk that it will be required to acquire, convert or exchange securities to replace the borrowed securities (also known as "covering" the short position) at a time when the securities sold short have appreciated in value, thus resulting in a loss to the Underlying PIMCO Fund. When making a short sale (other than a "short sale against the box"), the Underlying PIMCO Fund must segregate or " earmark " assets determined to be liquid by PIMCO in accordance with procedures established by the Board of Trustees or otherwise cover its position in a permissible manner. An Underlying PIMCO Fund may engage in short selling to the extent permitted by the 1940 Act and rules and interpretations thereunder and other federal securities laws. To the extent an Underlying PIMCO Fund engages in short selling in foreign (non-U.S.) jurisdictions, the Underlying PIMCO Fund will do so to the extent permitted by the laws and regulations of such jurisdiction.

## Illiquid Investments

Each Underlying PIMCO Fund may invest up to 15% of its net assets (5% of total assets in the case of the PIMCO Government Money Market Fund) (taken at the time of investment) in illiquid investments that are assets. Certain illiquid investments may require pricing at fair value as determined in good faith under the supervision of the Board of Trustees. A portfolio

manager may be subject to significant delays in disposing of illiquid investments, and transactions in illiquid investments may entail registration expenses and other transaction costs that are higher than those for transactions in liquid investments. The term “illiquid investments” for this purpose means investments that an Underlying PIMCO Fund reasonably expects cannot be sold or disposed of in current market conditions in seven calendar days or less without the sale or disposition significantly changing the market value of the investment. Restricted securities, *i.e.*, securities subject to legal or contractual restrictions on resale, may be illiquid. However, some restricted securities (such as securities issued pursuant to Rule 144A under the Securities Act of 1933, as amended, and certain commercial paper) may be treated as liquid (*i.e.*, classified by an Underlying PIMCO Fund in a liquidity category other than “illiquid” pursuant to the Underlying PIMCO Fund’s liquidity risk management procedures), although they may be relatively less liquid than registered securities traded on established secondary markets. Additional discussion of illiquid investments and related regulatory limits and requirements is available under “Investment Objectives and Policies” in the SAI.

## Loans of Portfolio Securities

For the purpose of achieving income, each Underlying PIMCO Fund may lend its portfolio securities to brokers, dealers, and other financial institutions provided a number of conditions are satisfied, including that the loan is fully collateralized. Please see “Investment Objectives and Policies” in the SAI for details. When an Underlying PIMCO Fund lends portfolio securities, its investment performance will continue to reflect changes in the value of the securities loaned, and the Underlying PIMCO Fund will also receive a fee or interest on the collateral. Securities lending involves the risk of loss of rights in the collateral or delay in recovery of the collateral if the borrower fails to return the security loaned or becomes insolvent. An Underlying PIMCO Fund may pay lending fees to a party arranging the loan. Cash collateral received by the Portfolio in securities lending transactions may be invested in short-term liquid fixed income instruments or in money market or short-term mutual funds, or similar investment vehicles, including affiliated money market or short-term mutual funds. The Portfolio bears the risk of such investments.

## Portfolio Turnover

The length of time an Underlying PIMCO Fund has held a particular security is not generally a consideration in investment decisions. A change in the securities held by an Underlying PIMCO Fund is known as “portfolio turnover.” When a portfolio manager deems it appropriate and particularly during periods of volatile market movements, an Underlying PIMCO Fund may engage in frequent and active trading of portfolio securities to achieve its investment objective. Higher portfolio turnover (*e.g.*, an annual rate greater than 100% of the average value of the Underlying PIMCO Fund’s portfolio) involves correspondingly greater expenses to an Underlying PIMCO Fund, including brokerage commissions or dealer markups and other transaction costs on the sale of securities and reinvestments in other securities. Such sales may also result in realization of taxable capital gains, including short-term capital gains (which are generally taxed at ordinary income tax rates). The trading costs and tax effects associated with portfolio turnover may adversely affect an Underlying PIMCO Fund’s performance.

Please see the Portfolio’s “Portfolio Summary – Portfolio Turnover” or the “Financial Highlights” in this prospectus for the portfolio turnover rates of the Portfolio.

## Temporary Defensive Positions

For temporary defensive purposes, the Portfolio and each Underlying PIMCO Fund may invest without limit in U.S. debt securities, including taxable securities and short-term money market securities, when PIMCO deems it appropriate to do so. When the Portfolio or Underlying PIMCO Fund engages in such strategies, it may not achieve its investment objective.

From time to time, as the prevailing market and interest rate environments warrant, and at the discretion of its portfolio manager, some portion of the Portfolio’s or an Underlying PIMCO Fund’s total net assets may be uninvested. In such cases, Portfolio or Underlying PIMCO Fund assets will be held in cash in the Portfolio’s or Underlying PIMCO Fund’s custody account. Cash assets are generally not income-generating and would impact the Portfolio’s performance.

## Changes in Investment Objectives and Policies

The investment objectives of the Portfolio and certain other Underlying PIMCO Funds are fundamental and may not be changed without shareholder approval. Unless otherwise stated, all other investment policies of the Portfolio may be changed by the Board of Trustees without shareholder approval. The investment objectives of certain Underlying PIMCO Funds may be changed by the Board of Trustees without shareholder approval.

## Percentage Investment Limitations

Unless otherwise stated, all percentage limitations on Portfolio and Underlying PIMCO Fund investments listed in this prospectus will apply at the time of investment. The Portfolio and each Underlying PIMCO Fund would not violate these limitations unless an excess or deficiency occurs or exists immediately after and as a result of an investment. Certain Underlying PIMCO Funds have adopted a policy to invest at least 80% of their assets in investments suggested by their name. For purposes of this policy, the term “assets” means net assets plus the amount of any borrowings for investment purposes.

## Credit Ratings and Unrated Securities

Rating agencies are private services that provide ratings of the credit quality of fixed income securities, including convertible securities. Appendix A to this prospectus describes the various ratings assigned to fixed income securities by Moody’s, S&P and Fitch. Ratings assigned by a rating agency are not absolute standards of credit quality and do not evaluate market risks. Rating agencies may fail to make timely changes in credit ratings and an issuer’s current financial condition may be better or worse than a rating indicates. An Underlying PIMCO Fund will not necessarily sell a security when its rating is reduced below its rating at the time of purchase. PIMCO does not rely solely on credit ratings, and develops its own analysis of issuer credit quality.

An Underlying PIMCO Fund may purchase unrated securities (which are not rated by a rating agency) if PIMCO determines, in its sole discretion, that the security is of comparable quality to a rated security that the Underlying

PIMCO Fund may purchase. In making ratings determinations, PIMCO may take into account different factors than those taken into account by rating agencies, and PIMCO's rating of a security may differ from the rating that a rating agency may have given the same security. Unrated securities may be less liquid than comparable rated securities and involve the risk that a portfolio manager may not accurately evaluate the security's comparative credit rating. Analysis of the creditworthiness of issuers of high yield securities may be more complex than for issuers of higher-quality fixed income securities. To the extent that the Underlying PIMCO Fund invests in high yield and/or unrated securities, the Underlying PIMCO Fund's success in achieving its investment objective may depend more heavily on the portfolio managers' creditworthiness analysis than if the Underlying PIMCO Fund invested exclusively in higher-quality and rated securities.

## Other Investments and Techniques

The Underlying PIMCO Funds may invest in other types of securities and use a variety of investment techniques and strategies which are not described in this prospectus. These securities and techniques may subject the Underlying PIMCO Funds to additional risks. Please see the SAI for additional information about the securities and investment techniques described in this prospectus and about additional securities and techniques that may be used by the Underlying PIMCO Funds.

## Cyber Security

As the use of technology has become more prevalent in the course of business, the Portfolio has become potentially more susceptible to operational and information security risks resulting from breaches in cyber security. A breach in cyber security refers to both intentional and unintentional cyber events that may, among other things, cause the Portfolio to lose proprietary information, suffer data corruption and/or destruction or lose operational capacity, result in the unauthorized release or other misuse of confidential information, or otherwise disrupt normal business operations. Cyber security breaches may involve unauthorized access to the Portfolio's digital information systems (e.g., through "hacking" or malicious software coding), but may also result from outside attacks such as denial-of-service attacks (i.e., efforts to make network services unavailable to intended users). In addition, cyber security breaches involving the Portfolio's third party service providers (including but not limited to advisers, sub-advisers, administrators, transfer agents, custodians, distributors and other third parties), trading counterparties or issuers in which the Portfolio invests can also subject the Portfolio to many of the same risks associated with direct cyber security breaches. Moreover, cyber security breaches involving trading counterparties or issuers in which the Portfolio invests could adversely impact such counterparties or issuers and cause the Portfolio's investment to lose value.

Cyber security failures or breaches may result in financial losses to the Portfolio and its shareholders. These failures or breaches may also result in disruptions to business operations, potentially resulting in financial losses; interference with the Portfolio's ability to calculate its NAV, process shareholder transactions or otherwise transact business with shareholders; impediments to trading; violations of applicable privacy and other laws; regulatory fines; penalties; reputational damage; reimbursement or other compensation costs; additional compliance and cyber security risk

management costs and other adverse consequences. In addition, substantial costs may be incurred in order to prevent any cyber incidents in the future.

Like with operational risk in general, the Portfolio has established business continuity plans and risk management systems designed to reduce the risks associated with cyber security. However, there are inherent limitations in these plans and systems, including that certain risks may not have been identified, in large part because different or unknown threats may emerge in the future. As such, there is no guarantee that such efforts will succeed, especially because the Portfolio does not directly control the cyber security systems of issuers in which the Portfolio may invest, trading counterparties or third party service providers to the Portfolio. There is also a risk that cyber security breaches may not be detected. The Portfolio and its shareholders could be negatively impacted as a result.



## Descriptions of the Underlying PIMCO Funds

The Portfolio invests substantially all of its assets in some or all of the Underlying PIMCO Funds, which is defined to include the least expensive class of shares of any actively managed or smart beta funds (including mutual funds or exchange-traded funds) of PIMCO Funds, PIMCO ETF Trust or PIMCO Equity Series, each an affiliated open-end investment company, except other funds of funds and series of PIMCO Funds sub-advised by Gurtin Municipal Bond Management. Because the Underlying PIMCO Funds are not offered in this prospectus, the following provides a general description of the main investments and other information about the Underlying PIMCO Funds. At the discretion of PIMCO and without shareholder approval, the Portfolio may invest in additional Underlying PIMCO Funds created in the future. **For a complete description of an Underlying PIMCO Fund, please see that Fund's Institutional Class or Class M prospectus (or Fund prospectus in the case of any exchange-traded fund of the PIMCO ETF Trust or PIMCO Equity Series), which is incorporated herein by reference and is available free of charge by telephoning 1-800-927-4648.**

Category	Underlying PIMCO Fund	Main Investments	Duration	Credit Quality <sup>(1)</sup>	Non-U.S. Dollar Denominated Instruments <sup>(2)</sup>
Short Duration	<b>PIMCO Low Duration Income</b>	Short maturity fixed income instruments	0 to 3 years	Max 30% of total assets below Baa <sup>(3)</sup>	No Limitation <sup>(4)</sup>
	<b>PIMCO Short Asset Investment</b>	Money market instruments and short maturity fixed income instruments	≤ 1.5 years	Baa to Aaa	0%
	<b>PIMCO Short-Term</b>	Money market instruments and short maturity fixed income instruments	≤ 1 year	B to Aaa; max 10% of total assets below Baa	0-10% of total assets <sup>(5)</sup>
	<b>PIMCO Low Duration</b>	Short maturity fixed income instruments	1 to 3 years	Max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO Low Duration II</b>	Short maturity fixed income instruments with quality and non-U.S. issuer restrictions	1 to 3 years	A to Aaa	0%
	<b>PIMCO Low Duration ESG</b>	Short maturity fixed income instruments with prohibitions on firms engaged in socially sensitive practices	1 to 3 years	Max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
Intermediate Duration	<b>PIMCO Moderate Duration</b>	Short and intermediate maturity fixed income instruments	+/-2 years of its benchmark	Max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO GNMA and Government Securities</b>	Short and intermediate maturity mortgage-related fixed income securities issued by the Government National Mortgage Association and U.S. government securities	1 to 7 years	Baa to Aaa; max 10% of total assets below Aaa	0%
	<b>PIMCO High Yield</b>	High yielding fixed income securities	+/-1 year of its benchmark	Min 80% of assets below Baa; max 20% of total assets Caa or below	0-20% of total assets <sup>(5)</sup>
	<b>PIMCO High Yield Spectrum</b>	High yielding fixed income securities	+/-1 year of its benchmark	Min 80% of assets below Baa	No Limitation <sup>(6)</sup>
	<b>PIMCO Mortgage-Backed Securities</b>	Short and intermediate maturity mortgage-related fixed income instruments	1 to 7 years	Baa to Aaa; max 10% of total assets below Aaa <sup>(7)</sup>	0%
	<b>PIMCO Senior Floating Rate</b>	Floating or adjustable rate senior secured loans, senior corporate debt and other senior fixed income instruments	+/-1 year of its benchmark	Max 5% of total assets below Caa	0-20% of total assets <sup>(8)</sup>
	<b>PIMCO Total Return</b>	Intermediate maturity fixed income instruments	+/-2 years of its benchmark	Max 20% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO Total Return II</b>	Intermediate maturity fixed income instruments with quality and non-U.S. issuer restrictions	+/-2 years of its benchmark	Baa to Aaa	0%
	<b>PIMCO Total Return ESG</b>	Intermediate maturity fixed income instruments with prohibitions on firms engaged in socially sensitive practices	+/-2 years of its benchmark	Max 20% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO Total Return IV</b>	Intermediate maturity fixed income instruments	+/-1.5 years of its benchmark	Baa to Aaa	0-15% of total assets <sup>(8)</sup>
	<b>PIMCO Investment Grade Credit Bond</b>	Investment grade fixed income securities	+/-2 years of its benchmark	Max 15% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
Long Duration	<b>PIMCO Long Duration Total Return</b>	Long-term maturity fixed income instruments	+/-2 years of its benchmark	Max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO Extended Duration</b>	Long-term maturity fixed income instruments	+/-3 years of its benchmark	B to Aaa; max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>

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Category	Underlying PIMCO Fund	Main Investments	Duration	Credit Quality <sup>(1)</sup>	Non-U.S. Dollar Denominated Instruments <sup>(2)</sup>
	<b>PIMCO Long-Term U.S. Government</b>	Long-term maturity fixed income securities	≥ 8 years	A to Aaa; max 25% Aa; max 10% A	0%
	<b>PIMCO Mortgage Opportunities and Bond</b>	Mortgage-related assets and fixed income instruments	(-1) to 8 years	Max 50% of total assets below Baa <sup>(9)</sup>	0%
	<b>PIMCO Long-Term Credit Bond</b>	Long-term maturity fixed income instruments	+/-2 years of its benchmark	B to Aaa; max 20% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
<b>Income</b>	<b>PIMCO Income</b>	Broad range of fixed income instruments	0 to 8 years	Max 50% of total assets below Baa <sup>(3)</sup>	No Limitation <sup>(4)</sup>
	<b>PIMCO Preferred and Capital Securities</b>	Capital securities and preferred securities	+/-2 years of its benchmark	No Limitation	No Limitation <sup>(4)</sup>
<b>Inflation-Related</b>	<b>PIMCO Real Return</b>	Inflation-indexed fixed income instruments	+/-3 years of its benchmark	B to Aaa; max 10% of total assets below Baa <sup>(10)</sup>	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO Long-Term Real Return</b>	Inflation-indexed fixed income securities	+/-4 years of its benchmark	B to Aaa; max 20% of total assets below Baa <sup>(10)</sup>	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO CommoditiesPLUS® Strategy</b>	Commodity-linked derivative instruments backed by an actively managed low volatility portfolio of fixed income instruments	≤ 1 year	Max 10% of total assets below Baa	0-20% <sup>(4)</sup>
	<b>PIMCO CommodityRealReturn Strategy®</b>	Commodity-linked derivative instruments backed by a portfolio of inflation-indexed securities and other fixed income instruments	≤ 10 years	Max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO RealEstateRealReturn Strategy</b>	Real estate-linked derivative instruments backed by a portfolio of inflation-indexed securities and other fixed income instruments	≤ 10 years	Max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
<b>Tax Exempt</b>	<b>PIMCO California Short Duration Municipal Income</b>	Short to intermediate maturity municipal securities (exempt from federal and California income tax)	≤ 3 years	Caa to Aaa; max 10% of total assets below Baa	0%
	<b>PIMCO California Municipal Bond</b>	Municipal securities (exempt from federal and California income tax)	(-2) to 4 years of its benchmark	Max 20% of total assets below Baa	0%
	<b>PIMCO Short Duration Municipal Income</b>	Short to intermediate maturity municipal securities (exempt from federal income tax)	≤ 3 years	Baa to Aaa	0%
	<b>PIMCO California Intermediate Municipal Bond</b>	Intermediate maturity municipal securities (exempt from federal and California income tax)	(-2) to 4 years of its benchmark	Max 10% of total assets below Baa	0%
	<b>PIMCO Municipal Bond</b>	Intermediate to long-term maturity municipal securities (exempt from federal income tax)	(-2) to 4 years of its benchmark	Max 20% of total assets below Baa	0%
	<b>PIMCO National Intermediate Municipal Bond</b>	Municipal securities (exempt from federal income tax)	(-2) to 4 years of its benchmark	Max 10% of total assets below Baa	0%
	<b>PIMCO New York Municipal Bond</b>	Intermediate to long-term maturity municipal securities (exempt from federal and New York income tax)	(-2) to 4 years of its benchmark	Max 20% of total assets below Baa	0%
	<b>PIMCO High Yield Municipal Bond</b>	Intermediate to long-term maturity high yield municipal securities (exempt from federal income tax)	(-2) to 4 years of its benchmark	No Limitation	0%
<b>International</b>	<b>PIMCO Emerging Markets Bond</b>	Emerging market fixed income instruments	+/- 2 years of its benchmark	Max 15% of total assets below B	≥ 80% of assets <sup>(11)</sup>
	<b>PIMCO Emerging Markets Currency and Short-Term Investments</b>	Currencies of, or fixed income instruments denominated in currencies of, emerging market countries and short-term investments	≤ 2 years	Max 15% of total assets below B	No Limitation <sup>(12)</sup>
	<b>PIMCO International Bond (U.S. Dollar-Hedged)</b>	Intermediate maturity hedged non-U.S. fixed income instruments	+/-3 years of its benchmark	Max 10% of total assets below Baa	No Limitation <sup>(5)</sup>
	<b>PIMCO International Bond (Unhedged)</b>	Intermediate maturity non-U.S. fixed income instruments	+/-3 years of its benchmark	Max 10% of total assets below Baa	No Limitation
	<b>PIMCO Global Advantage® Strategy Bond</b>	U.S. and non-U.S. fixed income instruments	≤ 8 years	Max 15% of total assets below B	No Limitation
	<b>PIMCO Global Bond Opportunities (U.S. Dollar-Hedged)</b>	U.S. and hedged non-U.S. intermediate maturity fixed income instruments	2 to 8 years	Max 10% of total assets below Baa	No Limitation <sup>(5)</sup>

Category	Underlying PIMCO Fund	Main Investments	Duration	Credit Quality <sup>(1)</sup>	Non-U.S. Dollar Denominated Instruments <sup>(2)</sup>
	<b>PIMCO Global Bond Opportunities (Unhedged)</b>	U.S. and non-U.S. intermediate maturity fixed income instruments	2 to 8 years	Max 10% of total assets below Baa	No Limitation
	<b>PIMCO Diversified Income</b>	Investment grade corporate, high yield and emerging market fixed income instruments	3 to 8 years	Max 10% below B	No Limitation
	<b>PIMCO Emerging Markets Local Currency and Bond</b>	Currencies of, or fixed income instruments denominated in currencies of, emerging market countries and fixed income instruments	+/- 2 years of its benchmark	Max 15% of total assets below B	No Limitation <sup>(13)</sup>
	<b>PIMCO Emerging Markets Corporate Bond</b>	Diversified portfolio of fixed income instruments economically tied to emerging market countries	+/- 2 years of its benchmark	Max 15% of total assets below B	No Limitation
<b>Absolute Return</b>	<b>PIMCO Dynamic Bond</b>	Diversified portfolio of fixed income instruments	(-3) to 8 years	Max 40% of total assets below Baa	No Limitation <sup>(14)</sup>
	<b>PIMCO Strategic Bond</b>	Diversified portfolio of fixed income instruments	(-1) to 5 years	Max 20% of total assets below Baa	No Limitation <sup>(15)</sup>
	<b>PIMCO Credit Opportunities Bond</b>	Diversified portfolio of fixed income instruments	0 to 6 years	Max 50% of total assets below B-	No Limitation <sup>(5)</sup>
	<b>PIMCO TRENDS Managed Futures Strategy</b>	Financial and commodity-linked derivative instruments selected by a quantitative strategy and generally backed by a short to intermediate duration portfolio which may consist of cash equivalent securities and fixed income instruments	N/A	No Limitation	No Limitation
	<b>PIMCO RAE Fundamental Advantage PLUS</b>	Long exposure to RAE US Large Model Portfolio, short exposure to the S&P 500 Index, complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(14)</sup>
<b>Domestic Equity-Related</b>	<b>PIMCO RAE PLUS</b>	Exposure to RAE US Large Model Portfolio complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(14)</sup>
	<b>PIMCO RAE Low Volatility PLUS</b>	Exposure to RAE Low Volatility US Model Portfolio complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(16)</sup>
	<b>PIMCO StocksPLUS® Small</b>	Russell 2000® Index derivatives backed by a diversified portfolio of actively managed fixed income instruments	(-3) to 8 years	B to Aaa; max 20% of total assets below Baa <sup>(10)</sup>	No Limitation <sup>(16)</sup>
	<b>PIMCO StocksPLUS® Long Duration</b>	S&P 500 Index derivatives backed by a diversified portfolio of long-term fixed income instruments	+/- 2 years of Bloomberg Barclays Long-Term Government/Credit Index <sup>(17)</sup>	B to Aaa; max 10% of total assets below Baa	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO StocksPLUS® Absolute Return</b>	S&P 500 Index derivatives backed by a portfolio of fixed income instruments	(-3) to 8 years	B to Aaa; max 20% of total assets below Baa <sup>(10)</sup>	No Limitation <sup>(14)</sup>
	<b>PIMCO StocksPLUS®</b>	S&P 500 Index derivatives backed by a portfolio of short-term fixed income instruments	≤ 1 year	B to Aaa; max 10% of total assets below Baa <sup>(10)</sup>	0-30% of total assets <sup>(5)</sup>
	<b>PIMCO RAE PLUS Small</b>	Exposure to RAE US Small Model Portfolio complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(14)</sup>
	<b>PIMCO EqS® Long/Short</b>	Long and short exposure to equity securities	N/A	No Limitation	No Limitation
	<b>PIMCO RAE US</b>	Exposure to RAE US Portfolio	N/A	N/A	0%
	<b>PIMCO RAE US Small</b>	Exposure to RAE US Small Portfolio	N/A	N/A	0%
	<b>PIMCO RAFI Dynamic Multi-Factor U.S. Equity ETF</b>	Component securities of the RAFI Dynamic Multi-Factor U.S. Index	N/A	N/A	0%
<b>International Equity-Related</b>	<b>PIMCO Dividend and Income</b>	Exposure to RAE Income Global Portfolio in Equity Sleeve; remainder of portfolio invests in fixed income instruments of varying maturities	N/A	No Limitation	No Limitation

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Category	Underlying PIMCO Fund	Main Investments	Duration	Credit Quality <sup>(1)</sup>	Non-U.S. Dollar Denominated Instruments <sup>(2)</sup>
	<b>PIMCO RAE PLUS EMG</b>	Exposure to RAE Emerging Markets Model Portfolio complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(16)</sup>
	<b>PIMCO RAE Low Volatility PLUS EMG</b>	Exposure to RAE Low Volatility Emerging Markets Model Portfolio complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(16)</sup>
	<b>PIMCO StocksPLUS® International (Unhedged)</b>	Non-U.S. equity derivatives backed by a portfolio of fixed income instruments	(-3) to 8 years	B to Aaa; max 20% of total assets below Baa <sup>(10)</sup>	No Limitation <sup>(16)</sup>
	<b>PIMCO StocksPLUS® International (U.S. Dollar-Hedged)</b>	Non-U.S. equity derivatives (hedged to U.S. dollars) backed by a portfolio of fixed income instruments.	(-3) to 8 years	B to Aaa; max 20% of total assets below Baa <sup>(10)</sup>	No Limitation <sup>(16)</sup>
	<b>PIMCO RAE PLUS International</b>	Exposure to RAE International Large Model Portfolio complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(16)</sup>
	<b>PIMCO RAE Low Volatility PLUS International</b>	Exposure to RAE Low Volatility International Model Portfolio complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(16)</sup>
	<b>PIMCO RAE Worldwide Long/Short PLUS</b>	Long exposure to RAE Low Volatility U.S. Model Portfolio, RAE Low Volatility Intl Model Portfolio and RAE Low Volatility EMG Model Portfolio, short exposure to certain traditional capitalization-weighted equity indexes, complemented by a portfolio of fixed income instruments	(-3) to 8 years	Max 20% of total assets below Baa	No Limitation <sup>(16)</sup>
	<b>PIMCO RAE Emerging Markets</b>	Exposure to RAE Emerging Markets Portfolio	N/A	N/A	No Limitation
	<b>PIMCO RAE International</b>	Exposure to RAE International Portfolio	N/A	N/A	No Limitation
	<b>PIMCO RAFI Dynamic Multi-Factor Emerging Markets Equity ETF</b>	Component securities of the RAFI Dynamic Multi-Factor Emerging Markets Index	N/A	N/A	No Limitation
	<b>PIMCO RAFI Dynamic Multi-Factor International Equity ETF</b>	Component securities of the RAFI Dynamic Multi-Factor Developed Ex-U.S. Index	N/A	N/A	No Limitation
<b>U.S. Government Securities</b>	<b>PIMCO Government Money Market</b>	U.S. government securities	≤ 60 days dollar-weighted average maturity	Min 97% of total assets Prime 1; ≤ 3% of total assets Prime 2	0%
<b>Short Strategy</b>	<b>PIMCO StocksPLUS® Short</b>	Short S&P 500 Index derivatives backed by a portfolio of fixed income instruments	(-3) to 8 years	B to Aaa; max 20% of total assets below Baa <sup>(10)</sup>	No Limitation <sup>(14)</sup>
<b>Actively-Managed Exchange-Traded Funds</b>	<b>PIMCO Active Bond Exchange-Traded</b>	Fixed income instruments of varying maturities	2 to 8 years	Max 30% of total assets below Baa	0-15% of total assets <sup>(4)</sup>
	<b>PIMCO Enhanced Low Duration Active Exchange-Traded</b>	Fixed income instruments of varying maturities	1 to 3 years	Max 15% below Baa	No Limitation <sup>(8)</sup>
	<b>PIMCO Enhanced Short Maturity Active Exchange-Traded</b>	Short to intermediate maturity fixed income instruments	≤ 1 year	Baa to Aaa	0%
	<b>PIMCO Intermediate Municipal Bond Active Exchange-Traded</b>	Intermediate maturity municipal securities (exempt from federal income tax)	(-2) to 4 years of its benchmark	Baa to Aaa	0%
	<b>PIMCO Short Term Municipal Bond Active Exchange-Traded</b>	Short maturity municipal securities (exempt from federal income tax)	≤ 3 years	Baa to Aaa	0%

<sup>1</sup> As rated by Moody's, or equivalently rated by S&P or Fitch, or, if unrated, determined by PIMCO to be of comparable quality.

<sup>2</sup> Certain Underlying PIMCO Funds may invest beyond these limits in U.S. dollar-denominated instruments of non-U.S. issuers.

<sup>3</sup> Such limitation shall not apply to the Fund's investments in mortgage- and asset-backed securities.

<sup>4</sup> The Fund will normally limit its foreign currency exposure (from non-U.S. dollar-denominated securities or currencies) to 10% of its total assets.

<sup>5</sup> The Fund will normally limit its foreign currency exposure (from non-U.S. dollar-denominated securities or currencies) to 20% of its total assets.

<sup>6</sup> The Fund will normally limit its foreign currency exposure (from non-U.S. dollar-denominated securities or currencies) to within 10% (plus or minus) of the Fund's benchmark's foreign currency exposure.

<sup>7</sup> The Fund may also invest up to an additional 5% of its total assets in mortgage-related high yield instruments rated below Baa.

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- <sup>8</sup> The Fund will normally limit its foreign currency exposure (from non-U.S. dollar-denominated securities or currencies) to 5% of its total assets.
- <sup>9</sup> Such limitation shall not apply to the Fund's investments in mortgage-related securities.
- <sup>10</sup> Within such limitation, the Fund may invest in mortgage-related securities rated below B.
- <sup>11</sup> The percentage limitation relates to Fixed Income Instruments of non-U.S. issuers denominated in any currency.
- <sup>12</sup> The Fund seeks to achieve its investment objective by investing under normal circumstances at least 80% of its assets in currencies of, or in Fixed Income Instruments denominated in the currencies of, emerging market countries, and in short-term investments.
- <sup>13</sup> The Fund seeks to achieve its investment objective by investing under normal circumstances at least 80% of its assets in currencies of, or Fixed Income Instruments denominated in the currencies of, emerging market countries and in Fixed Income Instruments, each of which may be represented by forwards or derivatives such as options, futures contracts or swap agreements.
- <sup>14</sup> The Fund will normally limit its foreign currency exposure (from non-U.S. dollar-denominated securities or currencies) to 35% of its total assets.
- <sup>15</sup> The Fund will normally limit its foreign currency exposure (from non-U.S. dollar-denominated securities or currencies) to 25% of its total assets.
- <sup>16</sup> With respect to the Fund's fixed income investments, the Fund will normally limit its foreign currency exposure (from non-U.S. dollar-denominated securities or currencies) to 35% of its total assets.
- <sup>17</sup> The Bloomberg Barclays Long-Term Government/Credit Index is an unmanaged index of U.S. Government or investment grade credit securities having a maturity of 10 years or more.

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## Financial Highlights

The financial highlights table is intended to help a shareholder understand the Portfolio's financial performance for the last five fiscal years or, if shorter, the period since the Portfolio or class commenced operations. Certain information reflects financial results for a single Portfolio share. The total returns in the table represent the rate that an investor would have earned or lost on an investment in the Class M shares of the Portfolio (assuming reinvestment of all dividends and distributions). The performance information does not reflect Variable Contract fees or expenses. This information has been audited by PricewaterhouseCoopers LLP, the Portfolio's independent registered public accounting firm. Their report, along with full financial statements, appears in the Trust's Annual Report, which is available upon request.

Selected Per Share Data for the Year or Period Ended: <sup>^</sup>	Net Asset Value Beginning of Year or Period	Investment Operations			Less Distributions <sup>(a)</sup>			
		Net Investment Income (Loss) <sup>(c)</sup>	Net Realized/Unrealized Gain (Loss)	Total	From Net Investment Income	From Net Realized Capital Gain	Tax Basis Return of Capital	Total
PIMCO All Asset Portfolio								
Class M								
12/31/2018	\$ 11.04	\$ 0.50	\$ (1.11)	\$ (0.61)	\$ (0.31)	\$ 0.00	\$ 0.00	\$ (0.31)
12/31/2017	10.18	0.46	0.87	1.33	(0.45)	0.00	(0.02)	(0.47)
12/31/2016	9.25	0.19	0.97	1.16	(0.21)	0.00	(0.02)	(0.23)
12/31/2015	10.53	0.30	(1.27)	(0.97)	(0.30)	0.00	(0.01)	(0.31)
12/31/2014	11.04	0.42	(0.38)	0.04	(0.55)	0.00	0.00	(0.55)

<sup>^</sup> A zero balance may reflect actual amounts rounding to less than \$0.01 or 0.01%.

<sup>a</sup> The tax characterization of distributions is determined in accordance with Federal income tax regulations. See the Distributions to Shareholders note in the Notes to Financial Statements for more information.

<sup>b</sup> Ratios shown do not include expenses of the investment companies in which the Portfolio may invest. See the Fees and Expenses note in the Notes to Financial Statements for more information regarding the expenses and any applicable fee waivers associated with these investments.

<sup>c</sup> Per share amounts based on average number of shares outstanding during the year or period.

		Ratios/Supplemental Data						
		Ratios to Average Net Assets <sup>(b)</sup>						
Net Asset Value End of Year or Period	Total Return	Net Assets End of Year or Period (000s)	Expenses	Expenses Excluding Waivers	Expenses Excluding Interest Expense	Expenses Excluding Interest Expense and Waivers	Net Investment Income (Loss)	Portfolio Turnover Rate
\$ 10.12	(5.59)%	\$ 73,521	0.755%	0.875%	0.755%	0.875%	4.62%	37%
11.04	13.19	75,309	0.775	0.875	0.775	0.875	4.26	40
10.18	12.59	65,033	0.725	0.875	0.725	0.875	1.91	67
9.25	(9.32)	68,206	0.735	0.875	0.735	0.875	2.88	41
10.53	0.24	86,496	0.725	0.875	0.725	0.875	3.70	98

## Appendix A Description of Securities Ratings

The Portfolio's investments may range in quality from securities rated in the lowest category in which the Portfolio is permitted to invest to securities rated in the highest category (as rated by Moody's, Standard & Poor's or Fitch, or, if unrated, determined by PIMCO to be of comparable quality). The percentage of the Portfolio's assets invested in securities in a particular rating category will vary. The following terms are generally used to describe the credit quality of fixed income securities:

*High Quality Debt Securities* are those rated in one of the two highest rating categories (the highest category for commercial paper) or, if unrated, deemed comparable by PIMCO.

*Investment Grade Debt Securities* are those rated in one of the four highest rating categories, or if unrated deemed comparable by PIMCO.

*Below Investment Grade High Yield Securities ("Junk Bonds")*, are those rated lower than Baa by Moody's, BBB by Standard & Poor's or Fitch, and comparable securities. They are deemed predominantly speculative with respect to the issuer's ability to repay principal and interest.

The following is a description of Moody's, Standard & Poor's and Fitch's rating categories applicable to fixed income securities.

### Moody's Investors Service, Inc. Global Long-Term Rating Scale

Ratings assigned on Moody's global long-term rating scales are forward-looking opinions of the relative credit risks of financial obligations issued by non-financial corporations, financial institutions, structured finance vehicles, project finance vehicles, and public sector entities. Long-term ratings are assigned to issuers or obligations with an original maturity of one year or more and reflect both on the likelihood of a default or impairment on contractual financial obligations and the expected financial loss suffered in the event of default or impairment.

Aaa: Obligations rated Aaa are judged to be of the highest quality, subject to the lowest level of credit risk.

Aa: Obligations rated Aa are judged to be of high quality and are subject to very low credit risk.

A: Obligations rated A are judged to be upper-medium grade and are subject to low credit risk.

Baa: Obligations rated Baa are judged to be medium-grade and subject to moderate credit risk and as such may possess certain speculative characteristics.

Ba: Obligations rated Ba are judged to be speculative and are subject to substantial credit risk.

B: Obligations rated B are considered speculative and are subject to high credit risk.

Caa: Obligations rated Caa are judged to be speculative of poor standing and are subject to very high credit risk.

Ca: Obligations rated Ca are highly speculative and are likely in, or very near, default, with some prospect of recovery of principal and interest.

C: Obligations rated C are the lowest rated and are typically in default, with little prospect for recovery of principal or interest.

Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa. The modifier 1 indicates that the obligation ranks in the higher end of its generic rating category; the modifier 2 indicates a mid-range ranking; and the modifier 3 indicates a ranking in the lower end of that generic rating category. Additionally, a "(hyb)" indicator is appended to all ratings of hybrid securities issued by banks, insurers, finance companies, and securities firms.\*

*\* By their terms, hybrid securities allow for the omission of scheduled dividends, interest, or principal payments, which can potentially result in impairment if such an omission occurs. Hybrid securities may also be subject to contractually allowable write-downs of principal that could result in impairment. Together with the hybrid indicator, the long-term obligation rating assigned to a hybrid security is an expression of the relative credit risk associated with that security.*

### Medium-Term Note Program Ratings

Moody's assigns provisional ratings to medium-term note (MTN) programs and definitive ratings to the individual debt securities issued from them (referred to as drawdowns or notes).

MTN program ratings are intended to reflect the ratings likely to be assigned to drawdowns issued from the program with the specified priority of claim (e.g., senior or subordinated). To capture the contingent nature of a program rating, Moody's assigns provisional ratings to MTN programs. A provisional rating is denoted by a (P) in front of the rating.

The rating assigned to a drawdown from a rated MTN or bank/deposit note program is definitive in nature, and may differ from the program rating if the drawdown is exposed to additional credit risks besides the issuer's default, such as links to the defaults of other issuers, or has other structural features that warrant a different rating. In some circumstances, no rating may be assigned to a drawdown.

Moody's encourages market participants to contact Moody's Ratings Desks or visit [www.moody.com](http://www.moody.com) directly if they have questions regarding ratings for specific notes issued under a medium-term note program. Unrated notes issued under an MTN program may be assigned an NR (not rated) symbol.

### Global Short-Term Rating Scale

Ratings assigned on Moody's global short-term rating scales are forward-looking opinions of the relative credit risks of financial obligations issued by non-financial corporates, financial institutions, structured finance vehicles, project finance vehicles, and public sector entities. Short-term ratings are assigned to obligations with an original maturity of thirteen months or less and reflect both on the likelihood of a default or impairment on contractual financial obligations and the expected financial loss suffered in the event of default or impairment.

Moody's employs the following designations to indicate the relative repayment ability of rated issuers:

P-1: Issuers (or supporting institutions) rated Prime-1 have a superior ability to repay short-term debt obligations.



P-2: Issuers (or supporting institutions) rated Prime-2 have a strong ability to repay short-term debt obligations.

P-3: Issuers (or supporting institutions) rated Prime-3 have an acceptable ability to repay short-term obligations.

NP: Issuers (or supporting institutions) rated Not Prime do not fall within any of the Prime rating categories.

## National Scale Long-Term Ratings

Moody's long-term National Scale Ratings (NSRs) are opinions of the relative creditworthiness of issuers and financial obligations within a particular country. NSRs are not designed to be compared among countries; rather, they address relative credit risk within a given country. Moody's assigns national scale ratings in certain local capital markets in which investors have found the global rating scale provides inadequate differentiation among credits or is inconsistent with a rating scale already in common use in the country.

In each specific country, the last two characters of the rating indicate the country in which the issuer is located (e.g., Aaa.br for Brazil).

Aaa.n: Issuers or issues rated Aaa.n demonstrate the strongest creditworthiness relative to other domestic issuers.

Aa.n: Issuers or issues rated Aa.n demonstrate very strong creditworthiness relative to other domestic issuers.

A.n: Issuers or issues rated A.n present above-average creditworthiness relative to other domestic issuers.

Baa.n: Issuers or issues rated Baa.n represent average creditworthiness relative to other domestic issuers.

Ba.n: Issuers or issues rated Ba.n demonstrate below-average creditworthiness relative to other domestic issuers.

B.n: Issuers or issues rated B.n demonstrate weak creditworthiness relative to other domestic issuers.

Caa.n: Issuers or issues rated Caa.n demonstrate very weak creditworthiness relative to other domestic issuers.

Ca.n: Issuers or issues rated Ca.n demonstrate extremely weak creditworthiness relative to other domestic issuers.

C.n: Issuers or issues rated C.n demonstrate the weakest creditworthiness relative to other domestic issuers.

Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa. The modifier 1 indicates that the obligation ranks in the higher end of its generic rating category; the modifier 2 indicates a mid-range ranking; and the modifier 3 indicates a ranking in the lower end of that generic rating category. National scale long-term ratings of D.ar and E.ar may also be applied to Argentine obligations.

## National Scale Short-Term Ratings

Moody's short-term NSRs are opinions of the ability of issuers in a given country, relative to other domestic issuers, to repay debt obligations that have an original maturity not exceeding thirteen months. Short-term NSRs in one country should not be compared with short-term NSRs in another country, or with Moody's global ratings.

There are four categories of short-term national scale ratings, generically denoted N-1 through N-4 as defined below.

In each specific country, the first two letters indicate the country in which the issuer is located (e.g., BR-1 through BR-4 for Brazil).

N-1: Issuers rated N-1 have the strongest ability to repay short-term senior unsecured debt obligations relative to other domestic issuers.

N-2: Issuers rated N-2 have an above average ability to repay short-term senior unsecured debt obligations relative to other domestic issuers.

N-3: Issuers rated N-3 have an average ability to repay short-term senior unsecured debt obligations relative to other domestic issuers.

N-4: Issuers rated N-4 have a below average ability to repay short-term senior unsecured debt obligations relative to other domestic issuers.

The short-term rating symbols P-1.za, P-2.za, P-3.za and NP.za are used in South Africa. National scale short-term ratings of AR-5 and AR-6 may also be applied to Argentine obligations.

## Short-Term Obligation Ratings

The Municipal Investment Grade (MIG) scale is used to rate US municipal bond anticipation notes of up to five years maturity. Municipal notes rated on the MIG scale may be secured by either pledged revenues or proceeds of a take-out financing received prior to note maturity. MIG ratings expire at the maturity of the obligation, and the issuer's long-term rating is only one consideration in assigning the MIG rating. MIG ratings are divided into three levels--MIG 1 through MIG 3--while speculative grade short-term obligations are designated SG.

MIG 1: This designation denotes superior credit quality. Excellent protection is afforded by established cash flows, highly reliable liquidity support, or demonstrated broad-based access to the market for refinancing.

MIG 2: This designation denotes strong credit quality. Margins of protection are ample, although not as large as in the preceding group.

MIG 3: This designation denotes acceptable credit quality. Liquidity and cash-flow protection may be narrow, and market access for refinancing is likely to be less well-established.

SG: This designation denotes speculative-grade credit quality. Debt instruments in this category may lack sufficient margins of protection.

## Demand Obligation Ratings

In the case of variable rate demand obligations (VRDOs), a two-component rating is assigned: a long- or short-term debt rating and a demand obligation rating. The first element represents Moody's evaluation of risk associated with scheduled principal and interest payments. The second element represents Moody's evaluation of risk associated with the ability to receive purchase price upon demand ("demand feature"). The second element uses a rating from a variation of the MIG scale called the Variable Municipal Investment Grade (VMIG) scale.

VMIG 1: This designation denotes superior credit quality. Excellent protection is afforded by the superior short-term credit strength of the liquidity provider and structural and legal protections that ensure the timely payment of purchase price upon demand.

**VMIG 2:** This designation denotes strong credit quality. Good protection is afforded by the strong short-term credit strength of the liquidity provider and structural and legal protections that ensure the timely payment of purchase price upon demand.

**VMIG 3:** This designation denotes acceptable credit quality. Adequate protection is afforded by the satisfactory short-term credit strength of the liquidity provider and structural and legal protections that ensure the timely payment of purchase price upon demand.

**SG:** This designation denotes speculative-grade credit quality. Demand features rated in this category may be supported by a liquidity provider that does not have an investment grade short-term rating or may lack the structural and/or legal protections necessary to ensure the timely payment of purchase price upon demand.

## Standard & Poor's Ratings Services

### Long-Term Issue Credit Ratings

Issue credit ratings are based, in varying degrees, on S&P Global Ratings' ("S&P") analysis of the following considerations:

- Likelihood of payment—capacity and willingness of the obligor to meet its financial commitments on a financial obligation in accordance with the terms of the obligation;
- Nature and provisions of the financial obligation and the promise S&P imputes; and
- Protection afforded by, and relative position of, the financial obligation in the event of a bankruptcy, reorganization, or other arrangement under the laws of bankruptcy and other laws affecting creditors' rights.

Issue ratings are an assessment of default risk, but may incorporate an assessment of relative seniority or ultimate recovery in the event of default. Junior obligations are typically rated lower than senior obligations, to reflect the lower priority in bankruptcy, as noted above. (Such differentiation may apply when an entity has both senior and subordinated obligations, secured and unsecured obligations, or operating company and holding company obligations.)

### Investment Grade

**AAA:** An obligation rated 'AAA' has the highest rating assigned by S&P. The obligor's capacity to meet its financial commitments on the obligation is extremely strong.

**AA:** An obligation rated 'AA' differs from the highest-rated obligations only to a small degree. The obligor's capacity to meet its financial commitments on the obligation is very strong.

**A:** An obligation rated 'A' is somewhat more susceptible to the adverse effects of changes in circumstances and economic conditions than obligations in higher-rated categories. However, the obligor's capacity to meet its financial commitments on the obligation is still strong.

**BBB:** An obligation rated 'BBB' exhibits adequate protection parameters. However, adverse economic conditions or changing circumstances are more likely weaken the obligor's capacity to meet its financial commitments on the obligation.

### Speculative Grade

Obligations rated 'BB', 'B', 'CCC', 'CC', and 'C' are regarded as having significant speculative characteristics. 'BB' indicates the least degree of speculation and 'C' the highest. While such obligations will likely have some quality and protective characteristics, these may be outweighed by large uncertainties or major exposure to adverse conditions.

**BB:** An obligation rated 'BB' is less vulnerable to nonpayment than other speculative issues. However, it faces major ongoing uncertainties or exposure to adverse business, financial, or economic conditions that could lead to the obligor's inadequate capacity to meet its financial commitments on the obligation.

**B:** An obligation rated 'B' is more vulnerable to nonpayment than obligations rated 'BB', but the obligor currently has the capacity to meet its financial commitments on the obligation. Adverse business, financial, or economic conditions will likely impair the obligor's capacity or willingness to meet its financial commitments on the obligation.

**CCC:** An obligation rated 'CCC' is currently vulnerable to nonpayment, and is dependent upon favorable business, financial, and economic conditions for the obligor to meet its financial commitments on the obligation. In the event of adverse business, financial, or economic conditions, the obligor is not likely to have the capacity to meet its financial commitments on the obligation.

**CC:** An obligation rated 'CC' is currently highly vulnerable to nonpayment. The 'CC' rating is used when a default has not yet occurred, but S&P expects default to be a virtual certainty, regardless of the anticipated time to default.

**C:** An obligation rated 'C' is currently highly vulnerable to nonpayment, and the obligation is expected to have lower relative seniority or lower ultimate recovery compared with obligations that are rated higher.

**D:** An obligation rated 'D' is in default or in breach of an imputed promise. For non-hybrid capital instruments, the 'D' rating category is used when payments on an obligation are not made on the date due, unless S&P believes that such payments will be made within five business days in the absence of a stated grace period or within the earlier of the stated grace period or 30 calendar days. The 'D' rating also will be used upon the filing of a bankruptcy petition or the taking of similar action and where default on an obligation is a virtual certainty, for example due to automatic stay provisions. A rating on an obligation is lowered to 'D' if it is subject to a distressed exchange offer.

**NR:** This indicates that no rating has been requested and there is insufficient information on which to base a rating, or that S&P does not rate a particular obligation as a matter of policy.

**Plus (+) or minus (-):** The ratings from 'AA' to 'CCC' may be modified by the addition of a plus (+) or minus (-) sign to show relative standing within the rating categories.

### Short-Term Issue Credit Ratings

**A-1:** A short-term obligation rated 'A-1' is rated in the highest category by S&P. The obligor's capacity to meet its financial commitments on the obligation is strong. Within this category, certain obligations are designated

with a plus sign (+). This indicates that the obligor's capacity to meet its financial commitments on these obligations is extremely strong.

A-2: A short-term obligation rated 'A-2' is somewhat more susceptible to the adverse effects of changes in circumstances and economic conditions than obligations in higher rating categories. However, the obligor's capacity to meet its financial commitments on the obligation is satisfactory.

A-3: A short-term obligation rated 'A-3' exhibits adequate protection parameters. However, adverse economic conditions or changing circumstances are more likely to weaken the obligor's capacity to meet its financial commitments on the obligation.

B: A short-term obligation rated 'B' is regarded as vulnerable and has significant speculative characteristics. The obligor currently has the capacity to meet its financial commitments; however, it faces major ongoing uncertainties that could lead to the obligor's inadequate capacity to meet its financial commitments.

C: A short-term obligation rated 'C' is currently vulnerable to nonpayment and is dependent upon favorable business, financial, and economic conditions for the obligor to meet its financial commitments on the obligation.

D: A short-term obligation rated 'D' is in default or in breach of an imputed promise. For non-hybrid capital instruments, the 'D' rating category is used when payments on an obligation are not made on the date due, unless S&P believes that such payments will be made within any stated grace period. However, any stated grace period longer than five business days will be treated as five business days. The 'D' rating also will be used upon the filing of a bankruptcy petition or the taking of a similar action and where default on an obligation is a virtual certainty, for example due to automatic stay provisions. A rating on an obligation is lowered to 'D' if it is subject to a distressed exchange offer.

Dual Ratings: Dual ratings may be assigned to debt issues that have a put option or demand feature. The first component of the rating addresses the likelihood of repayment of principal and interest as due, and the second component of the rating addresses only the demand feature. The first component of the rating can relate to either a short-term or long-term transaction and accordingly use either short-term or long-term rating symbols. The second component of the rating relates to the put option and is assigned a short-term rating symbol (for example, 'AAA/A-1+' or 'A-1+/A-1'). With U.S. municipal short-term demand debt, the U.S. municipal short-term note rating symbols are used for the first component of the rating (for example, 'SP-1+/A-1+').

## Active Qualifiers

S&P uses the following qualifiers that limit the scope of a rating. The structure of the transaction can require the use of a qualifier such as a 'p' qualifier, which indicates the rating addresses the principal portion of the obligation only. A qualifier appears as a suffix and is part of the rating.

L: Ratings qualified with 'L' apply only to amounts invested up to federal deposit insurance limits.

p: This suffix is used for issues in which the credit factors, the terms, or both, that determine the likelihood of receipt of payment of principal are different from the credit factors, terms or both that determine the likelihood of

receipt of interest on the obligation. The 'p' suffix indicates that the rating addresses the principal portion of the obligation only and that the interest is not rated.

prelim: Preliminary ratings, with the 'prelim' suffix, may be assigned to obligors or obligations, including financial programs, in the circumstances described below. Assignment of a final rating is conditional on the receipt by S&P of appropriate documentation. S&P reserves the right not to issue a final rating. Moreover, if a final rating is issued, it may differ from the preliminary rating.

- Preliminary ratings may be assigned to obligations, most commonly structured and project finance issues, pending receipt of final documentation and legal opinions.
- Preliminary ratings may be assigned to obligations that will likely be issued upon the obligor's emergence from bankruptcy or similar reorganization, based on late-stage reorganization plans, documentation and discussions with the obligor. Preliminary ratings may also be assigned to the obligors. These ratings consider the anticipated general credit quality of the reorganized or post-bankruptcy issuer as well as attributes of the anticipated obligation(s).
- Preliminary ratings may be assigned to entities that are being formed or that are in the process of being independently established when, in S&P opinion, documentation is close to final. Preliminary ratings may also be assigned to the obligations of these entities.
- Preliminary ratings may be assigned when a previously unrated entity is undergoing a well-formulated restructuring, recapitalization, significant financing or other transformative event, generally at the point that investor or lender commitments are invited. The preliminary rating may be assigned to the entity and to its proposed obligation(s). These preliminary ratings consider the anticipated general credit quality of the obligor, as well as attributes of the anticipated obligation(s), assuming successful completion of the transformative event. Should the transformative event not occur, S&P would likely withdraw these preliminary ratings.
- A preliminary recovery rating may be assigned to an obligation that has a preliminary issue credit rating.

t: This symbol indicates termination structures that are designed to honor their contracts to full maturity or, should certain events occur, to terminate and cash settle all their contracts before their final maturity date.

cir: This symbol indicates a Counterparty Instrument Rating (CIR), which is a forward-looking opinion about the creditworthiness of an issuer in a securitization structure with respect to a specific financial obligation to a counterparty (including interest rate swaps, currency swaps, and liquidity facilities). The CIR is determined on an ultimate payment basis; these opinions do not take into account timeliness of payment.

## Inactive Qualifiers (no longer applied or outstanding)

\*: This symbol that indicated that the rating was contingent upon S&P receipt of an executed copy of the escrow agreement or closing documentation confirming investments and cash flows. Discontinued use in August 1998.

c: This qualifier was used to provide additional information to investors that the bank may terminate its obligation to purchase tendered bonds if the

long-term credit rating of the issuer was lowered to below an investment-grade level and/or the issuer's bonds were deemed taxable. Discontinued use in January 2001.

G: The letter 'G' followed the rating symbol when a fund's portfolio consisted primarily of direct U.S. government securities.

pi: This qualifier was used to indicate ratings that were based on an analysis of an issuer's published financial information, as well as additional information in the public domain. Such ratings did not, however, reflect in-depth meetings with an issuer's management and therefore, could have been based on less comprehensive information than ratings without a 'pi' suffix. Discontinued use as of December 2014 and as of August 2015 for Lloyd's Syndicate Assessments.

pr: The letters 'pr' indicate that the rating was provisional. A provisional rating assumed the successful completion of a project financed by the debt being rated and indicates that payment of debt service requirements was largely or entirely dependent upon the successful, timely completion of the project. This rating, however, while addressing credit quality subsequent to completion of the project, made no comment on the likelihood of or the risk of default upon failure of such completion.

q: A 'q' subscript indicates that the rating is based solely on quantitative analysis of publicly available information. Discontinued use in April 2001.

r: The 'r' modifier was assigned to securities containing extraordinary risks, particularly market risks, that are not covered in the credit rating. The absence of an 'r' modifier should not be taken as an indication that an obligation would not exhibit extraordinary non-credit related risks. S&P discontinued the use of the 'r' modifier for most obligations in June 2000 and for the balance of obligations (mainly structured finance transactions) in November 2002.

## Fitch Ratings

### Long-Term Credit Ratings

#### Investment Grade

Rated entities in a number of sectors, including financial and non-financial corporations, sovereigns, insurance companies and certain sectors within public finance, are generally assigned Issuer Default Ratings ("IDRs"). IDRs are also assigned to certain entities or enterprises in global infrastructure, project finance, and public finance. IDRs opine on an entity's relative vulnerability to default (including by way of a distressed debt exchange) on financial obligations. The threshold default risk addressed by the IDR is generally that of the financial obligations whose non-payment would best reflect the uncured failure of that entity. As such, IDRs also address relative vulnerability to bankruptcy, administrative receivership or similar concepts.

In aggregate, IDRs provide an ordinal ranking of issuers based on the agency's view of their relative vulnerability to default, rather than a prediction of a specific percentage likelihood of default.

AAA: Highest credit quality. 'AAA' ratings denote the lowest expectation of credit risk. They are assigned only in cases of exceptionally strong capacity for payment of financial commitments. This capacity is highly unlikely to be adversely affected by foreseeable events.

AA: Very high credit quality. 'AA' ratings denote expectations of very low credit risk. They indicate very strong capacity for payment of financial commitments. This capacity is not significantly vulnerable to foreseeable events.

A: High credit quality. 'A' ratings denote expectations of low credit risk. The capacity for payment of financial commitments is considered strong. This capacity may, nevertheless, be more vulnerable to adverse business or economic conditions than is the case for higher ratings.

BBB: Good credit quality. 'BBB' ratings indicate that expectations of credit risk are currently low. The capacity for payment of financial commitments is considered adequate, but adverse business or economic conditions are more likely to impair this capacity.

#### Speculative Grade

BB: Speculative. 'BB' ratings indicate an elevated vulnerability to credit risk, particularly in the event of adverse changes in business or economic conditions over time; however, business or financial alternatives may be available to allow financial commitments to be met.

B: Highly speculative. 'B' ratings indicate that material credit risk is present.

CCC: Substantial credit risk.

CC: Very high levels of credit risk.

C: Near default.

A default or default-like process has begun, or the issuer is in standstill, or for a closed funding vehicle, payment capacity is irrevocably impaired.

Conditions that are indicative of a 'C' category rating for an issuer include:

- the issuer has entered into a grace or cure period following non-payment of a material financial obligation;
- the issuer has entered into a temporary negotiated waiver or standstill agreement following a payment default on a material financial obligation; or
- the formal announcement by the issuer or their agent of a distressed debt exchange;
- a closed financing vehicle where payment capacity is irrevocably impaired such that it is not expected to pay interest and/or principal in full during the life of the transaction, but where no payment default is imminent

RD: Restricted default. 'RD' ratings indicate an issuer that in Fitch Ratings' opinion has experienced an uncured payment default or distressed debt exchange on a bond, loan or other material financial obligation but which has not entered into bankruptcy filings, administration, receivership, liquidation or other formal winding-up procedure, and which has not otherwise ceased operating. This would include:

- the selective payment default on a specific class or currency of debt;
- the uncured expiry of any applicable grace period, cure period or default forbearance period following a payment default on a bank loan, capital markets security or other material financial obligation;
- the extension of multiple waivers or forbearance periods upon a payment default on one or more material financial obligations, either in series or in parallel; or

d. ordinary execution of a distressed debt exchange on one or more material financial obligations.

D: Default. 'D' ratings indicate an issuer that in Fitch Ratings' opinion has entered into bankruptcy filings, administration, receivership, liquidation or other formal winding-up procedure or that has otherwise ceased business. Default ratings are not assigned prospectively to entities or their obligations; within this context, non-payment on an instrument that contains a deferral feature or grace period will generally not be considered a default until after the expiration of the deferral or grace period, unless a default is otherwise driven by bankruptcy or other similar circumstance, or by a distressed debt exchange.

"Imminent" default typically refers to the occasion where a payment default has been intimated by the issuer, and is all but inevitable. This may, for example, be where an issuer has missed a scheduled payment, but (as is typical) has a grace period during which it may cure the payment default. Another alternative would be where an issuer has formally announced a distressed debt exchange, but the date of the exchange still lies several days or weeks in the immediate future.

In all cases, the assignment of a default rating reflects the agency's opinion as to the most appropriate rating category consistent with the rest of its universe of ratings, and may differ from the definition of default under the terms of an issuer's financial obligations or local commercial practice.

The modifiers "+" or "-" may be appended to a rating to denote relative status within major rating categories. For example, the rating category 'AA' has three notch-specific rating levels ('AA+'; 'AA'; 'AA-'; each a rating level). Such suffixes are not added to the 'AAA' rating and ratings below the 'CCC' category.

## Recovery Ratings

Recovery Ratings are assigned to selected individual securities and obligations, most frequently for individual obligations of corporate finance issuers with IDRs in speculative grade categories.

Among the factors that affect recovery rates for securities are the collateral, the seniority relative to other obligations in the capital structure (where appropriate), and the expected value of the company or underlying collateral in distress.

The Recovery Rating scale is based on the expected relative recovery characteristics of an obligation upon the curing of a default, emergence from insolvency or following the liquidation or termination of the obligor or its associated collateral.

Recovery Ratings are an ordinal scale and do not attempt to precisely predict a given level of recovery. As a guideline in developing the rating assessments, the agency employs broad theoretical recovery bands in its ratings approach based on historical averages and analytical judgment, but actual recoveries for a given security may deviate materially from historical averages.

RR1: *Outstanding recovery prospects given default.* 'RR1' rated securities have characteristics consistent with securities historically recovering 91%-100% of current principal and related interest.

RR2: *Superior recovery prospects given default.* 'RR2' rated securities have characteristics consistent with securities historically recovering 71%-90% of current principal and related interest.

RR3: *Good recovery prospects given default.* 'RR3' rated securities have characteristics consistent with securities historically recovering 51%-70% of current principal and related interest.

RR4: *Average recovery prospects given default.* 'RR4' rated securities have characteristics consistent with securities historically recovering 31%-50% of current principal and related interest.

RR5: *Below average recovery prospects given default.* 'RR5' rated securities have characteristics consistent with securities historically recovering 11%-30% of current principal and related interest.

RR6: *Poor recovery prospects given default.* 'RR6' rated securities have characteristics consistent with securities historically recovering 0%-10% of current principal and related interest.

## Short-Term Credit Ratings

A short-term issuer or obligation rating is based in all cases on the short-term vulnerability to default of the rated entity and relates to the capacity to meet financial obligations in accordance with the documentation governing the relevant obligation. Short-term deposit ratings may be adjusted for loss severity. Short-Term Ratings are assigned to obligations whose initial maturity is viewed as "short term" based on market convention. Typically, this means up to 13 months for corporate, sovereign, and structured obligations, and up to 36 months for obligations in U.S. public finance markets.

F1: Highest short-term credit quality. Indicates the strongest intrinsic capacity for timely payment of financial commitments; may have an added "+" to denote any exceptionally strong credit feature.

F2: Good short-term credit quality. Good intrinsic capacity for timely payment of financial commitments.

F3: Fair short-term credit quality. The intrinsic capacity for timely payment of financial commitments is adequate.

B: Speculative short-term credit quality. Minimal capacity for timely payment of financial commitments, plus heightened vulnerability to near term adverse changes in financial and economic conditions.

C: High short-term default risk. Default is a real possibility.

RD: Restricted default. Indicates an entity that has defaulted on one or more of its financial commitments, although it continues to meet other financial obligations. Typically applicable to entity ratings only.

D: Default. Indicates a broad-based default event for an entity, or the default of a short-term obligation.

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# PIMCO

## **PIMCO Variable Insurance Trust**

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The Trust's SAI and annual and semi-annual reports to shareholders include additional information about the Portfolio. The SAI and the financial statements included in the Portfolio's most recent annual report to shareholders are incorporated by reference into this prospectus, which means they are part of this prospectus for legal purposes. The Portfolio's annual report discusses the market conditions and investment strategies that significantly affected the Portfolio's performance during its last fiscal year.

The SAI contains detailed information about Portfolio purchase, redemption and exchange options and procedures and other information about the Portfolio. You can get a free copy of the SAI.

You may get free copies of any of these materials, or request other information about the Portfolio by calling the Trust at **1-800-927-4648**, by visiting **[www.pimco.com/pvit](http://www.pimco.com/pvit)** or by writing to:

## **PIMCO Variable Insurance Trust**

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Daily updates on the NAV of the Portfolio may be obtained by calling 1-888-87-PIMCO.

You may access reports and other information about the Trust on the EDGAR Database on the Commission's Web site at **[www.sec.gov](http://www.sec.gov)**. You may get copies of additional information about the Trust, including its SAI, with payment of a duplication fee, by e-mailing your request to [publicinfo@sec.gov](mailto:publicinfo@sec.gov). You can also visit our web site at **[www.pimco.com/pvit](http://www.pimco.com/pvit)** for additional information about the Portfolio, including the SAI and the annual and semi-annual reports, which are available for download free of charge.

Reference the Trust's Investment Company Act file number in your correspondence.



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