

Summary Prospectus April 30, 2021

## Class I / Class II

Before you invest, you may want to review the Fund's Prospectus, which contains information about the Fund and its risks. This Summary Prospectus is intended for use in connection with variable insurance contracts, and is not intended for use by other investors. The Fund's Prospectus and Statement of Additional Information, each dated April 30, 2021 (as may be supplemented or revised), are incorporated by reference into this Summary Prospectus. For free paper or electronic copies of the Fund's Prospectus and other information about the Fund, go to [nationwide.com/mutualfundsnvit](http://nationwide.com/mutualfundsnvit), email a request to [web\\_help@nationwide.com](mailto:web_help@nationwide.com) or call 800-848-0920, or ask any variable insurance contract provider who offers shares of the Fund as an underlying investment option in its products.

## Objective

The NVIT Blueprint<sup>SM</sup> Aggressive Fund ("Aggressive Fund" or the "Fund") seeks maximum growth of capital consistent with a more aggressive level of risk as compared to other Blueprint<sup>SM</sup> Funds.

## Fees and Expenses

This table describes the fees and expenses that you may pay if you buy, hold, and sell shares of the Fund. Sales charges and other expenses that may be imposed by variable insurance contracts are not included. If these charges were reflected, the expenses listed below would be higher. See the variable insurance contract prospectus, which may impose sales charges and other additional contract-level expenses.

**Annual Fund Operating Expenses** (expenses that you pay each year as a percentage of the value of your investment)

|  | Class I<br>Shares | Class II<br>Shares |
|--|-------------------|--------------------|
| Management Fees  | 0.20%             | 0.20%              |
| Distribution and/or Service (12b-1) Fees   | None              | 0.25%              |
| Other Expenses   | 0.25%             | 0.25%              |
| Acquired Fund Fees and Expenses  | 0.72%             | 0.72%              |
| <b>Total Annual Fund Operating Expenses</b>  | <b>1.17%</b>      | <b>1.42%</b>       |
| Fee Waiver/Expense Reimbursement <sup>(1),(2),(3)</sup>                            | (0.12)%           | (0.28)%            |
| <b>Total Annual Fund Operating Expenses After Fee Waiver/Expense Reimbursement</b> | <b>1.05%</b>      | <b>1.14%</b>       |

<sup>(1)</sup> Nationwide Variable Insurance Trust (the "Trust") and Nationwide Fund Advisors (the "Adviser") have entered into a written contract limiting annual fund operating expenses to 0.28% until at least April 30, 2022. Under the expense limitation agreement, the level to which operating expenses are limited applies to all share classes, excluding any taxes, interest, brokerage commissions, Rule 12b-1 fees, acquired fund fees and expenses, short-sale dividend expenses, administrative services fees, other expenses which are capitalized in accordance with generally accepted accounting principles and expenses incurred by the Fund in connection with any merger or reorganization, and may exclude other nonroutine expenses not incurred in the ordinary course of the Fund's business. The expense limitation agreement may be changed or eliminated only with the consent of the Board of Trustees of the Trust. The Adviser may request and receive reimbursement from the Fund for advisory fees waived or other expenses reimbursed by the Adviser pursuant to the expense limitation agreement at a date not to exceed three years from the date in which the corresponding waiver or reimbursement to the Fund was made. However, no reimbursement may be made unless: (i) the Fund's assets exceed \$100 million and (ii) the total annual expense ratio is no higher than the amount of the expense limitation that was in place at the time the Adviser waived the fees or reimbursed the expenses and does not cause the expense ratio to exceed the current expense limitation. Reimbursement by the Fund of amounts previously waived or reimbursed by the Adviser is not permitted except as provided for in the expense limitation agreement.

<sup>(2)</sup> In addition to the expense limitation agreement discussed in Footnote 1, the Trust and the Adviser have entered into a written contract in which the Adviser has agreed to waive 0.10% of the management fee to which the Adviser would otherwise be entitled until April 30, 2022. The written contract may be changed or eliminated only with the consent of the Board of Trustees of the Trust.

<sup>(3)</sup> The Trust and Nationwide Fund Distributors LLC have entered into a written contract waiving 0.16% of the Distribution and/or Service (12b-1) Fees for Class II shares until April 30, 2022. The written contract may be changed or eliminated only with the consent of the Board of Trustees of the Trust.

## Example

This Example is intended to help you to compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example, however, does not include charges that are imposed by variable insurance contracts. If these charges were reflected, the expenses listed below would be higher.

This Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then sell all of your shares at the end of those time periods. It assumes a 5% return each year and no change in expenses, and any expense limitation or fee waivers that may apply for the periods indicated above under “Fees and Expenses.” 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 I Shares  | \$107  | \$360   | \$632   | \$1,410  |
| Class II Shares | 116    | 422     | 750     | 1,678    |

## 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 the most recent fiscal year, the Fund’s portfolio turnover rate was 21.86% of the average value of its portfolio.

## Principal Investment Strategies

The Fund is a “fund-of-funds” that invests primarily in affiliated mutual funds representing a variety of asset classes. The Fund aims to provide diversification across traditional asset classes—U.S. stocks and international stocks—by investing primarily in mutual funds offered by Nationwide Variable Insurance Trust and affiliated or unaffiliated exchange-traded funds (“ETFs”) (each, an “Underlying Fund” or collectively, “Underlying Funds”).

Each Underlying Fund invests directly in equity or fixed-income securities, as appropriate to its investment objective and strategies. Some Underlying Funds may use futures, forwards, swaps and options, which are derivatives, either to hedge against investment risks, to obtain exposure to certain securities or groups of securities, to take short positions in certain securities, or otherwise to increase returns. Although the Fund seeks to provide diversification across major asset classes, the Fund invests a significant portion of its assets in a small number of issuers (i.e., Underlying Funds). However, the Fund may invest directly in securities and derivatives in addition to investing in Underlying Funds. Further, most of the Underlying Funds in which the Fund invests are diversified.

The Fund pursues its objective of maximum growth of capital with an aggressive level of risk by investing heavily in Underlying Funds that invest in equity securities, such as common stocks of U.S. and international companies (including smaller companies), that the investment adviser believes offer opportunities for capital growth. Consistent with this investment strategy, as of the date of this Prospectus, the Fund allocates approximately 58% of its net assets in U.S. stocks, approximately 32% in international stocks and approximately 10% in bonds. The investment adviser generally sells shares of Underlying Funds in order to meet target allocations or shareholder redemption activity. The Fund is designed for aggressive investors who are comfortable with assuming the risks associated with investing in a high percentage of stocks, including international stocks. The Fund is also designed for investors who have long time horizons, who want to maximize long-term returns and who have a high tolerance for possible short-term losses.

## Principal Risks

The Fund cannot guarantee that it will achieve its investment objective.

As with any fund, the value of the Fund’s investments—and therefore, the value of Fund shares—may fluctuate. These changes may occur because of:

**Management risk** – the Fund is subject to the risk that the methods and analyses employed by its investment adviser, or by the investment advisers or subadvisers to the Underlying Funds, may not produce the desired results. This could cause the Fund to lose value or its performance to lag those of relevant benchmarks or other funds with similar objectives.

**Market risk** – the risk that one or more markets in which an Underlying Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. This may be due to numerous factors, including interest rates, the outlook for corporate profits, the health of the national and world economies, national and world social and political events, and the fluctuation of other stock markets around the world.

The global pandemic outbreak of an infectious respiratory illness caused by a novel coronavirus known as COVID-19 has resulted in substantial market volatility and global business disruption, affecting the global economy and the financial health of individual

companies in significant and unforeseen ways. The duration and future impact of COVID-19 are currently unknown, which may exacerbate the other risks that apply to the Fund and could negatively affect Fund performance and the value of your investment in the Fund.

**Fund-of-funds risk** – there are certain risks associated with a structure whereby the Fund invests primarily in other mutual funds. These risks include that: (1) the Fund will indirectly pay a proportional share of the fees and expenses of the Underlying Funds in which it invests; (2) the Fund's investment performance is directly tied to the performance of the Underlying Funds in which it invests. If one or more Underlying Funds fail to meet their investment objectives, the Fund's performance could be negatively affected; (3) the Fund is subject to different levels and combinations of risk based on its actual allocation among the various asset classes and Underlying Funds. The potential impact of the risks related to an asset class depends on the size of the Fund's investment allocation to it; (4) Nationwide Fund Advisors' (the "Adviser") evaluations and allocation among asset classes and Underlying Funds may be incorrect; (5) the Adviser may add or delete Underlying Funds, or alter the Fund's asset allocation, at its discretion. Changes to the Fund's Underlying Funds or allocation (or the lack thereof) could affect both the level of risk and the potential for gain or loss; and (6) in selecting the Underlying Funds in which the Fund invests, the Adviser is subject to a conflict of interest because the Adviser is also the investment adviser to most, if not all, of the Underlying Funds. The Adviser receives advisory fees from affiliated Underlying Funds and, therefore, has an incentive to invest the Fund's assets in affiliated Underlying Funds instead of unaffiliated Underlying Funds. In addition, the Adviser might have an interest in making an investment in an affiliated Underlying Fund, or in maintaining an existing investment in an affiliated Underlying Fund, in order to benefit that affiliated Underlying Fund (for example, by assisting the affiliated Underlying Fund in achieving or maintaining scale). Notwithstanding the foregoing, the Adviser has a fiduciary duty to the Fund and must act in the best interest of the Fund.

**Exchange-traded funds risk** – when the Fund invests in an exchange-traded fund ("ETF"), you will indirectly bear fees and expenses charged by the ETF in addition to the Fund's direct fees and expenses. In addition, the Fund may be affected by losses of the ETF and the level of risk arising from the investment practices of the ETF (such as the use of leverage by the ETF). The Fund has no control over the investments and related risks taken by the ETF in which it invests. Additionally, investments in ETFs are also subject to the following risks: (i) the market price of an ETF's shares may trade above or below their net asset value; (ii) an active trading market for an ETF's shares may not develop or be maintained; or (iii) trading of an ETF's shares may be halted for a number of reasons.

**Equity securities risk** – stock markets are volatile. The price of an equity security fluctuates based on changes in a company's financial condition and overall market and economic conditions.

**Foreign securities risk** – foreign securities may be more volatile, harder to price and less liquid than U.S. securities. The prices of foreign securities may be further affected by other factors, such as changes in the exchange rates between the U.S. dollar and the currencies in which the securities are traded.

**Smaller company risk** – smaller companies are usually less stable in price and less liquid than larger, more established companies. Smaller companies are more vulnerable than larger companies to adverse business and economic developments and may have more limited resources. Therefore, they generally involve greater risk.

**Limited portfolio holdings risk** – because the Fund may hold large positions in a small number of Underlying Funds, an increase or decrease in the value of such securities may have a greater impact on the Fund's value and total return. Funds that invest in a relatively small number of securities may be subject to greater volatility than a more diversified investment.

**Fixed-income securities risk** – investments in fixed-income securities, such as bonds, subject the Fund to interest rate risk, credit risk and prepayment and call risk, which may affect the value of your investment. Interest rate risk is the risk that the value of fixed-income securities will decline when interest rates rise. Prices of longer-term securities generally change more in response to interest rate changes than prices of shorter-term securities. To the extent an Underlying Fund invests a substantial portion of its assets in debt securities with longer-term maturities, rising interest rates are more likely to cause periods of increased volatility and redemptions, and may cause the value of the Fund's investments to decline significantly. Currently, interest rates are at or near historic lows. The interest earned on an Underlying Fund's investments in fixed-income securities may decline when prevailing interest rates fall. Declines in interest rates increase the likelihood that debt obligations will be pre-paid, which, in turn, increases these risks. Very low or negative interest rates may impact the yield of an Underlying Fund's investments in fixed-income securities and may increase the risk that, if followed by rising interest rates, the Fund's performance will be negatively impacted. The Fund is subject to the risk that the income generated by its investments in fixed-income securities may not keep pace with inflation. Recent and potential future changes in government policy may affect interest rates.

Credit risk is the risk that the issuer of a bond may default if it is unable to pay interest or principal when due. If an issuer defaults, the Underlying Fund, and therefore the Fund, may lose money. Changes in a bond issuer's credit rating or the market's perceptions of an issuer's creditworthiness also may affect the value of a bond. Prepayment and call risk is the risk that certain debt securities will be paid off by the issuer more

quickly than anticipated. If this occurs, an Underlying Fund may be required to invest the proceeds in securities with lower yields.

**Liquidity risk** – when there is little or no active trading market for specific types of securities or instruments, it can become more difficult to sell the securities or instruments at or near their perceived value. An inability to sell a portfolio position can adversely affect an Underlying Fund's value or prevent an Underlying Fund from being able to take advantage of other investment opportunities. Liquidity risk also includes the risk that an Underlying Fund will experience significant net redemptions of its shares at a time when it cannot find willing buyers for its portfolio securities or instruments or can sell its portfolio securities or instruments only at a material loss. To meet redemption requests, an Underlying Fund may be forced to sell other securities or instruments that are more liquid, but at unfavorable times and conditions. Investments in foreign securities tend to have more exposure to liquidity risk than domestic securities.

**Derivatives risk** – derivatives may be volatile and may involve significant risks. The underlying security, commodity, measure or other instrument on which a derivative is based, or the derivative itself, may not perform as expected. Normally derivatives involve leverage, which means that their use can significantly magnify the effect of price movements of the underlying securities or reference measures, disproportionately increasing a Fund's or Underlying Fund's losses and reducing the Fund's or Underlying Fund's opportunities for gains. Some derivatives have the potential for unlimited loss, including a loss that may be greater than the amount invested. They also present default risks if the counterparty to a derivatives contract fails to fulfill its obligations to the Fund or Underlying Fund. Certain derivatives held by a Fund or Underlying Fund may be illiquid, making it difficult to close out an unfavorable position.

**Futures** – the prices of futures contracts typically are more volatile than those of stocks and bonds. Small movements in the values of the assets or measures underlying futures contracts can cause disproportionately larger losses to the Fund or an Underlying Fund. While futures may be more liquid than other types of derivatives, they may experience periods when they are less liquid than stocks, bonds or other investments.

**Options** – purchasing and writing put and call options are highly specialized activities and entail greater-than-ordinary investment risks. Investments in options are considered speculative. An option is an agreement that, for a premium payment or fee, gives the option holder (the purchaser) the right but not the obligation to buy (a "call option") or sell (a "put option") the underlying security or futures contract (or settle for cash an amount based on an underlying asset, rate or index) at a specified price (the "exercise price") during a period of time or on a specified date. When the Underlying Fund writes (sells) an option, it profits if the option expires

unexercised, because it retains the premium the buyer of the option paid. However, if the Underlying Fund writes a call option, it incurs the risk that the market price of the underlying security or futures contract could increase above the option's exercise price. If this occurs, the option could be exercised and the Underlying Fund would be forced to sell the underlying security or futures contract at a lower price than its current market value. If the Underlying Fund writes a put option, it incurs the risk that the market value of the underlying security or futures contract could decrease below the option's exercise price. If this occurs, the option could be exercised and the Underlying Fund would be forced to buy the underlying security or futures contract at a higher price than its current market value. When the Underlying Fund purchases an option, it will lose the premium paid for the option if the price of the underlying security or futures contract decreases or remains the same (in the case of a call option) or increases or remains the same (in the case of a put option). If an option purchased by the Underlying Fund were permitted to expire without being sold or exercised, its premium would represent a loss to the Fund.

**Swaps** – using swaps can involve greater risks than if an Underlying Fund were to invest directly in the underlying securities or assets. Because swaps often involve leverage, their use can significantly magnify the effect of price movements of the underlying securities or reference measures, disproportionately increasing an Underlying Fund's losses and reducing the Underlying Fund's opportunities for gains. Currently there are few central exchanges or markets for swap contracts, and therefore they may be less liquid than exchange-traded instruments. If a swap counterparty fails to meet its obligations under the contract, the Underlying Fund may lose money.

**Forwards** – using forwards can involve greater risks than if the Fund were to invest directly in the underlying securities or assets. Because forwards often involve leverage, their use can significantly magnify the effect of price movements of the underlying securities or reference measures, disproportionately increasing the Fund's losses and reducing the Fund's opportunities for gains. Currently there are few central exchanges or markets for forward contracts, and therefore they may be less liquid than exchange-traded instruments. If a forward counterparty fails to meet its obligations under the contract, the Fund may lose money.

**Short sales risk** – the Fund will suffer a loss if an Underlying Fund takes a short position in a security and the price of the security rises rather than falls. Short positions expose the Underlying Fund to the risk that it will be required to cover the short position at a time when the security has appreciated in value, thus resulting in a loss to the Fund. The Fund's investment performance also will suffer if an Underlying Fund is required to close out a short position earlier than it had intended. In addition, an Underlying Fund may be subject to expenses related to short positions that typically are not

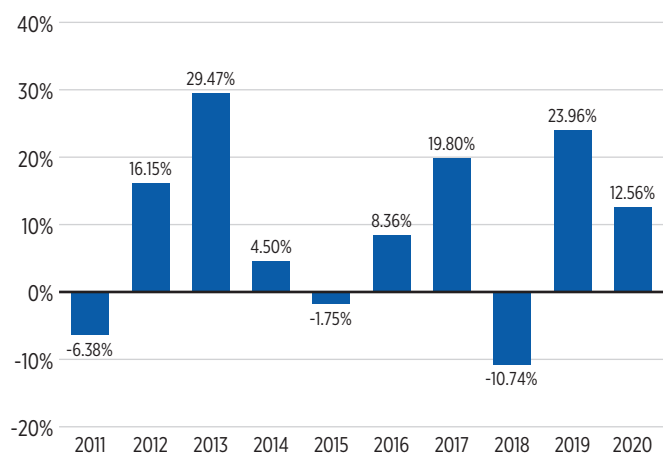
associated with investing in securities directly (for example, costs of borrowing and margin account maintenance costs associated with the Underlying Fund's open short positions). These expenses may impact negatively the performance of the Fund. Short positions introduce more risk to an Underlying Fund than long positions because the maximum sustainable loss on a security purchased (held long) is limited to the amount paid for the security plus the transaction costs, whereas there is no maximum attainable price of the security held in a short position. Therefore, in theory, securities held short present unlimited risk.

*Loss of money is a risk of investing in the Fund. An investment in the Fund 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

The following bar chart and table provide some indication of the risks of investing in the Fund. The bar chart shows the volatility or variability of the Fund's annual total returns over time and shows that Fund performance can change from year to year. The table shows the Fund's average annual total returns for certain time periods compared to the returns of a comparable broad-based securities index. Remember, however, that past performance is not necessarily an indication of how the Fund will perform in the future. The returns shown in the bar chart and table do not include charges that will be imposed by variable insurance contracts. If these amounts were reflected, returns would be less than those shown.

### Annual Total Returns – Class II Shares (Years Ended December 31,)



**Highest Quarter: 18.47% – 2Q 2020**

**Lowest Quarter: -20.97% – 1Q 2020**

## Average Annual Total Returns (For the Periods Ended December 31, 2020)

|  | 1 Year | 5 Years | 10 Years |
|--|--------|---------|----------|
| Class I Shares   | 12.74% | 10.19%  | 8.97%    |
| Class II Shares  | 12.56% | 10.08%  | 8.86%    |
| Morningstar® Aggressive Target Risk Index (reflects no deduction for fees or expenses) | 13.23% | 12.19%  | 9.76%    |

## Portfolio Management

### Investment Adviser

Nationwide Fund Advisors

### Portfolio Managers

| Portfolio Manager       | Title                               | Length of Service with Fund |
|-------------------------|-------------------------------------|-----------------------------|
| Christopher C. Graham   | Chief Investment Officer            | Since 2016                  |
| Keith P. Robinette, CFA | Senior Director of Asset Strategies | Since 2017                  |
| Andrew Urban, CFA       | Senior Director of Asset Strategies | Since 2017                  |

## Tax Information

The dividends and distributions paid by the Fund to the insurance company separate accounts will consist of ordinary income, capital gains, or some combination of both. Because shares of the Fund must be purchased through separate accounts used to fund variable insurance contracts, such dividends and distributions will be exempt from current taxation by contract holders if left to accumulate within a separate account. Consult the variable insurance contract prospectus for additional tax information.

## **Payments to Broker-Dealers and Other Financial Intermediaries**

This Fund is only offered as an underlying investment option for variable insurance contracts. The Fund and its related companies may make payments to the sponsoring insurance companies (or their affiliates) for distribution and/or other services, and to broker-dealers and other financial intermediaries that distribute the variable insurance contracts. These payments may create a conflict of interest by influencing the insurance companies to include the Fund as an underlying investment option in the variable insurance contracts, and by influencing the broker-dealers and other financial intermediaries to distribute variable insurance contracts that include the Fund as an underlying investment option over other variable insurance contracts or to otherwise recommend the selection of the Fund as an underlying investment option by contract owners instead of other funds that also may be available investment options. The prospectus (or other offering document) for your variable insurance contract may contain additional information about these payments.