

FRANKLIN LARGE CAP GROWTH VIP FUND

Franklin Templeton Variable Insurance
Products Trust—Class 2

May 1, 2020



FRANKLIN
TEMPLETON

Before you invest, you may want to review the Fund's prospectus, which contains more information about the Fund and its risks. You can find the Fund's prospectus, statement of additional information, reports to shareholders and other information about the Fund online at franklintempleton.com/ftviptfunds. You can also get this information at no cost by calling 1-888-FRANKLIN or by sending an e-mail request to FTVIPTprospectus@franklintempleton.com. The Fund's prospectus and statement of additional information, both dated May 1, 2020, as may be amended from time to time, are incorporated by reference into this Summary prospectus, which means that they are legally a part of this Summary prospectus. Shares of the insurance funds of Franklin Templeton Variable Insurance Products Trust are not offered to the public; they are offered and sold only to: (1) insurance company separate accounts to serve as the underlying investment vehicles for variable contracts; (2) certain qualified plans; and (3) other mutual funds (fund of funds). This Summary prospectus is not intended for use by other investors. Please check with your insurance company for availability. Please read this Summary prospectus together with your variable annuity or variable life insurance product prospectus.

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Internet Delivery of Shareholder Reports: Effective January 1, 2021, as permitted by regulations adopted by the SEC, you may not be receiving paper copies of the Fund's annual or semi-annual shareholder reports by mail, unless you specifically request paper copies of the reports from the insurance company that offers your variable annuity or variable life insurance contract or from your financial intermediary. Instead of delivering paper copies of the report, the insurance company may choose to make the reports available on a website, and will notify you by mail each time a shareholder 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 or your financial intermediary electronically by following the instructions provided by the insurance company or by contacting your financial intermediary.

You may elect to receive all future Fund shareholder reports in paper free of charge from the insurance company. You can inform the insurance company or your financial intermediary that you wish to continue receiving paper copies of your shareholder reports by following the instructions provided by the insurance company or by contacting your financial intermediary. Your election to receive reports in paper will apply to all portfolio companies available under your contract with the insurance company.

Investment Goal

Capital appreciation.

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy and hold shares of the Fund. **The table and the example do not include any fees or sales charges imposed by variable insurance contracts, qualified retirement plans or funds of funds.** If they were included, your costs would be higher.

Annual Fund Operating Expenses

(expenses that you pay each year as a percentage of the value of your investment)

| | Class 2 |
|---|--------------|
| Management fees | 0.75% |
| Distribution and service (12b-1) fees | 0.25% |
| Other expenses | 0.09% |
| Total annual Fund operating expenses | 1.09% |

Example

This Example is intended to help you compare the cost of investing in 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 the period. The Example also assumes that your investment has a 5% return each year and that the Fund's operating expenses remain the same. 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 2 | \$111 | \$347 | \$601 | \$1,329 |

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 17.01% 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 investments of large-capitalization (large-cap) companies. Large-cap companies are those with market capitalizations (share price times the number of common stock shares outstanding) within those of the top 50% of companies in the Russell 1000® Index at the time of purchase. Under normal market conditions, the Fund invests predominantly in equity securities, mostly common stocks. The Fund may also invest up to 20% of its net assets in investments of small to mid capitalization companies and a small portion of its net assets in foreign securities. Although the Fund seeks investments across a number of sectors, from time to time, based on economic conditions, the Fund may have significant positions in particular sectors.

The investment manager is a research driven, fundamental investor, pursuing a growth strategy. As a "bottom-up" investor focusing primarily on individual securities, the investment manager seeks companies that have identifiable drivers of future earnings growth and that present, in the investment manager's opinion, the best trade-off between that potential earnings growth, business and financial risk, and valuation.

Principal Risks

You could lose money by investing in the Fund. Mutual fund shares are not deposits or obligations of, or guaranteed or endorsed by, any bank, and are not insured by the Federal Deposit Insurance Corporation, the Federal Reserve Board, or any other agency of the U.S. government.

Market The market values of securities or other investments owned by the Fund will go up or down, sometimes rapidly or unpredictably. The market value of a security or other investment may be reduced by market activity or other results of supply and demand unrelated to the issuer. This is a basic risk associated with all investments. When there are more sellers than buyers, prices tend to fall. Likewise, when there are more buyers than sellers, prices tend to rise.

Stock prices tend to go up and down more dramatically than those of debt securities. A slower-growth or recessionary economic environment could have an adverse effect on the prices of the various stocks held by the Fund.

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Growth Style Investing Growth stock prices reflect projections of future earnings or revenues, and can, therefore, fall dramatically if the company fails to meet those projections. Prices of these companies' securities may be more volatile than other securities, particularly over the short term.

Focus To the extent that the Fund focuses on particular countries, regions, industries, sectors or types of investment from time to time, the Fund may be subject to greater risks of adverse developments in such areas of focus than a fund that invests in a wider variety of countries, regions, industries, sectors or investments.

Foreign Securities (non-U.S.) Investing in foreign securities typically involves more risks than investing in U.S. securities, including risks related to currency exchange rates and policies, country or government specific issues, less favorable trading practices or regulation and greater price volatility. Certain of these risks also may apply to securities of U.S. companies with significant foreign operations.

Small and Mid Capitalization Companies Securities issued by small and mid capitalization companies may be more volatile in price than those of larger companies and may involve additional risks. Such risks may include greater sensitivity to economic conditions, less certain growth prospects, lack of depth of management and funds for growth and development, and limited or less developed product lines and markets. In addition, small and mid capitalization companies may be particularly affected by interest rate increases, as they may find it more difficult to borrow money to continue or expand operations, or may have difficulty in repaying any loans.

Management The Fund is subject to management risk because it is an actively managed investment portfolio. The Fund's investment manager applies investment techniques and risk analyses in making investment decisions for the Fund, but there can be no guarantee that these decisions will produce the desired results.

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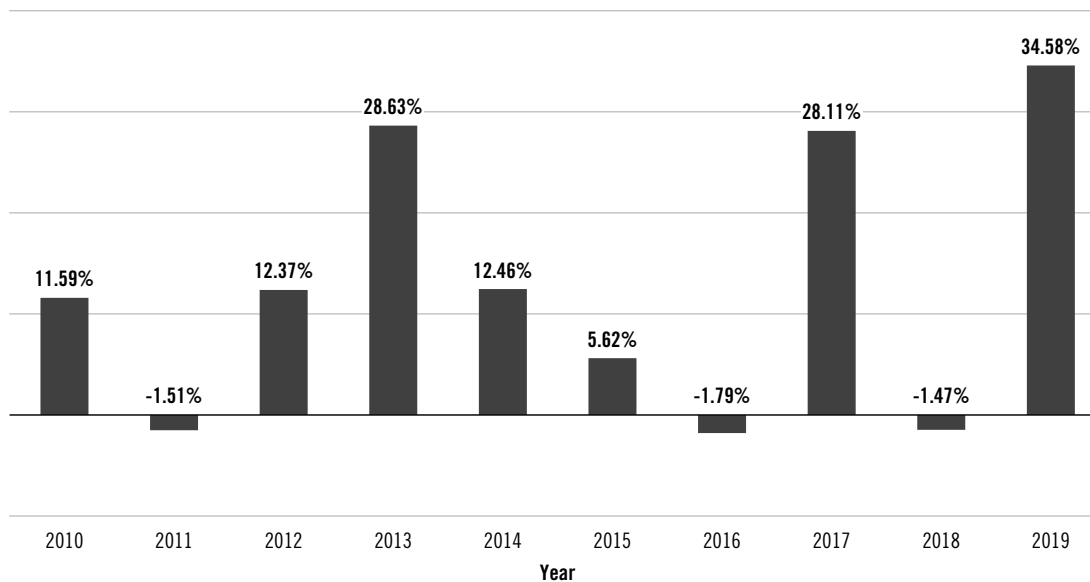
Performance

The following bar chart and table provide some indication of the risks of investing in the Fund. The bar chart shows changes in the Fund's performance from year to year for Class 2 shares. The table shows how the Fund's average annual returns for 1 year, 5 years, 10 years or since inception, as applicable, compare with those of a

broad measure of market performance. The Fund's past performance is not necessarily an indication of how the Fund will perform in the future.

Performance reflects all Fund expenses but does not include any fees or sales charges imposed by variable insurance contracts, qualified plans or funds of funds. If they had been included, the returns shown below would be lower. Investors should consult the variable insurance contract prospectus, or the disclosure documents for qualified plans or funds of funds for more information.

Annual Total Returns



| | | |
|----------------------|-------|--------|
| Best Quarter: | Q1'19 | 18.98% |
|----------------------|-------|--------|

| | | |
|-----------------------|-------|---------|
| Worst Quarter: | Q4'18 | -17.48% |
|-----------------------|-------|---------|

As of March 31, 2020, the Fund's year-to-date return was -12.77%.

Average Annual Total Returns

For the periods ended December 31, 2019

| | 1 Year | 5 Years | 10 Years |
|--|--------|---------|----------|
| Franklin Large Cap Growth VIP Fund - Class 2 | 34.58% | 12.00% | 12.15% |
| S&P 500® Index (index reflects no deduction for fees, expenses or taxes) | 31.49% | 11.70% | 13.56% |

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Investment Manager

Franklin Advisers, Inc. (Advisers)

Portfolio Managers

Grant Bowers

Vice President of Advisers and portfolio manager of the Fund since 2014.

Sara Araghi, CFA

Portfolio Manager and Research Analyst of Advisers and portfolio manager of the Fund since 2016.

Purchase and Sale of Fund Shares

Shares of the Fund are sold to insurance companies' separate accounts (Insurers) to fund variable annuity or variable life insurance contracts and to qualified plans. Insurance companies offer variable annuity and variable life insurance products through separate accounts. Shares of the Fund may also be sold to other mutual funds, either as underlying funds in a fund of funds or in other structures. In addition, Fund shares are held by a limited number of Insurers, qualified retirement plans and, when applicable, funds of funds. Substantial withdrawals by one or more Insurers, qualified retirement plans or funds of funds could reduce Fund assets, causing total Fund expenses to become higher than the numbers shown in the fees and expenses table above.

The terms of the offering of interests in separate accounts are included in the variable annuity or variable life insurance product prospectus. The terms of offerings of funds of funds are included in those funds' prospectuses. The terms of offering of qualified retirement plans are described in their disclosure documents. Investors

should consult the variable contract prospectus, fund of fund prospectus, or plan disclosure documents for more information on fees and expenses imposed by variable insurance contracts, funds of funds or qualified retirement plans, respectively.

Taxes

Because shares of the Fund are generally purchased through variable annuity contracts or variable life insurance contracts, the Fund's distributions (which the Fund expects, based on its investment goals and strategies to consist of ordinary income, capital gains or some combination of both) will be exempt from current taxation if left to accumulate within the variable contract. You should refer to your contract prospectus for more information on these tax consequences.

Payments to Sponsoring Insurance Companies and Other Financial Intermediaries

The Fund or its distributor (and related companies) may pay broker/dealers or other financial intermediaries (such as banks and insurance companies, or their related companies) for the sale and retention of variable contracts which offer Fund shares and/or for other services. These payments may create a conflict of interest for an intermediary or be a factor in the insurance company's decision to include the Fund as an investment option in its variable contract. For more information, ask your financial advisor, visit your intermediary's website, or consult the Contract prospectus or this Fund prospectus.

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