



Vanguard Variable Insurance Fund Total Stock Market Index Portfolio

April 26, 2018

Prospectus

This prospectus contains financial data for the Portfolio through the fiscal year ended December 31, 2017.

The Securities and Exchange Commission (SEC) has not approved or disapproved these securities or passed upon the adequacy of this prospectus. Any representation to the contrary is a criminal offense.

Contents

Portfolio Summary	1	Financial Highlights	14
More on the Portfolio	5	General Information	16
The Portfolio and Vanguard	11	Glossary of Investment Terms	19
Investment Advisor	11		
Taxes	12		
Share Price	13		

Portfolio Summary

Investment Objective

The Portfolio seeks to track the performance of a benchmark index that measures the investment return of the overall stock market.

Fees and Expenses

The following table describes the fees and expenses you may pay if you buy and hold shares of the Portfolio. The expenses shown in the table and in the example that follow do not reflect additional fees and expenses associated with the annuity or life insurance program through which you invest. If those additional fees and expenses were included, overall expenses would be higher.

Annual Portfolio Operating Expenses

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

Management Fees	None
12b-1 Distribution Fee	None
Other Expenses	None
Acquired Fund Fees and Expenses	0.15%
Total Annual Portfolio Operating Expenses	0.15%

Example

The following example is intended to help you compare the cost of investing in the Portfolio (based on the fees and expenses of the underlying funds) with the cost of investing in other mutual funds. It illustrates the hypothetical expenses that you would incur over various periods if you were to invest \$10,000 in the Portfolio's shares. This example assumes that the Portfolio provides a return of 5% each year and that total annual operating expenses of the Portfolio and its underlying funds remain as stated in the preceding table. You would incur these hypothetical expenses whether or not you redeem your investment at the end of the given period. 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
\$15	\$48	\$85	\$192

Portfolio Turnover

The Portfolio may pay transaction costs, such as purchase fees, 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 portfolio operating expenses or in the previous expense example, reduce the Portfolio’s performance. During the most recent fiscal year, the Portfolio’s turnover rate was 6% of the average value of its portfolio.

Principal Investment Strategies

The Portfolio employs an indexing investment approach designed to track the performance of the Standard & Poor’s (S&P) Total Market Index by investing all, or substantially all, of its assets in two Vanguard funds—Vanguard Variable Insurance Fund Equity Index Portfolio and Vanguard Extended Market Index Fund. The S&P Total Market Index consists of substantially all of the U.S. common stocks regularly traded on the New York Stock Exchange and the Nasdaq over-the-counter market.

Principal Risks

An investment in the Portfolio could lose money over short or long periods of time. You should expect the Portfolio’s share price and total return to fluctuate within a wide range. Though the Portfolio seeks to track the Index, its performance typically can be expected to fall short by a small percentage representing operating costs of the underlying funds. The Portfolio is subject to the following risk, which could affect the Portfolio’s performance:

- *Stock market risk*, which is the chance that stock prices overall will decline. Stock markets tend to move in cycles, with periods of rising prices and periods of falling prices. In addition, the Portfolio’s target index may, at times, become focused in stocks of a particular market sector, which would subject the Portfolio to proportionately higher exposure to the risks of that sector.

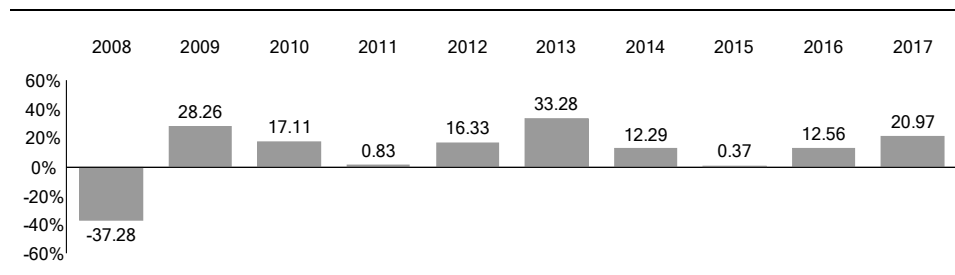
An investment in the Portfolio is not a deposit of a bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.

Annual Total Returns

The following bar chart and table are intended to help you understand the risks of investing in the Portfolio. The bar chart shows how the performance of the Portfolio has varied from one calendar year to another over the periods shown. The table shows how the average annual total returns of the Portfolio compare with those of its target index and other comparative indexes, which have investment characteristics similar to those of the Portfolio. The Portfolio’s returns are net of its expenses but do not reflect additional fees and expenses that are deducted by the annuity or life insurance program

through which you invest. If such fees and expenses were included in the calculation of the Portfolio's returns, the returns would be lower. Keep in mind that the Portfolio's past performance does not indicate how the Portfolio will perform in the future. Updated performance information is available on our website for Financial Advisors at advisors.vanguard.com or by calling Vanguard toll-free at 800-522-5555.

Annual Total Returns — Total Stock Market Index Portfolio



During the periods shown in the bar chart, the highest return for a calendar quarter was 16.95% (quarter ended June 30, 2009), and the lowest return for a quarter was -22.75% (quarter ended December 31, 2008).

Average Annual Total Returns for Periods Ended December 31, 2017

	1 Year	5 Years	10 Years
Total Stock Market Index Portfolio	20.97%	15.39%	8.50%
Comparative Indexes (reflect no deduction for fees or expenses)			
Dow Jones U.S. Total Stock Market Float Adjusted Index	21.16%	15.52%	8.66%
S&P Total Market Index	21.16	15.52	8.58
Spliced Total Market Index	21.16	15.52	8.58

Investment Advisor

The Vanguard Group, Inc. (Vanguard)

Portfolio Managers

William Coleman, CFA, Portfolio Manager at Vanguard. He has co-managed the Portfolio since 2013.

Walter Nejman, Portfolio Manager at Vanguard. He has co-managed the Portfolio since 2013.


Tax Information

The Portfolio normally distributes its net investment income and net realized capital gains, if any, to its shareholders, which are the insurance company separate accounts that sponsor your variable annuity or variable life insurance contract. The tax consequences to you of your investment in the Portfolio depend on the provisions of the annuity or life insurance contract through which you invest. For more information on taxes, please refer to the prospectus of the annuity or life insurance contract through which Portfolio shares are offered.

Payments to Financial Intermediaries

The Portfolio and its investment advisor do not pay financial intermediaries for sales of Portfolio shares.

More on the Portfolio

This prospectus describes the principal risks you would face as an investor in this Portfolio. It is important to keep in mind one of the main axioms of investing: generally, the higher the risk of losing money, the higher the potential reward. The reverse, also, is generally true: the lower the risk, the lower the potential reward. As you consider an investment in any mutual fund, you should take into account your personal tolerance for fluctuations in the securities markets. Look for this  symbol throughout the prospectus. It is used to mark detailed information about the more significant risks that you would confront as a Portfolio investor. To highlight terms and concepts important to mutual fund investors, we have provided Plain Talk[®] explanations along the way. Reading the prospectus will help you decide whether the Portfolio is the right investment for you. We suggest that you keep this prospectus for future reference.

A Note About Vanguard Variable Insurance Fund

The Total Stock Market Index Portfolio of Vanguard Variable Insurance Fund is a mutual fund used solely as an investment option for annuity or life insurance contracts offered by insurance companies. This means that you cannot purchase shares of the Portfolio directly, but only through a contract offered by an insurance company.

The Total Stock Market Index Portfolio is separate from other Vanguard mutual funds, even when the Portfolio and a fund have the same investment objective and advisor. The Portfolio's investment performance will differ from the performance of other Vanguard funds because of differences in the securities held and because of administrative and insurance costs associated with the annuity or life insurance program through which you invest.

Plain Talk About Costs of Investing

Costs are an important consideration in choosing a mutual fund. That is because you, as a contract owner, pay a proportionate share of the costs of operating a portfolio and any transaction costs incurred when the portfolio buys or sells securities. These costs can erode a substantial portion of the gross income or the capital appreciation a portfolio achieves. Even seemingly small differences in expenses can, over time, have a dramatic effect on a portfolio's performance.

The following sections explain the principal investment strategies and policies that the Portfolio uses in pursuit of its objective. The Fund's board of trustees, which oversees the Portfolio's management, may change investment strategies or policies in the interest of shareholders without a shareholder vote, unless those strategies or policies are designated as fundamental. Under normal circumstances, the Portfolio will invest at least 80%, and usually all or substantially all, of its assets in Vanguard

Variable Insurance Fund Equity Index Portfolio and Vanguard Extended Market Index Fund, which together seek to track the Portfolio's target index. The Portfolio's 80% investment policy may be changed only upon 60 days' notice to shareholders.

Market Exposure

To achieve exposure to common stocks, the Portfolio invests in shares of other mutual funds.



The Portfolio is subject to stock market risk, which is the chance that stock prices overall will decline. Stock markets tend to move in cycles, with periods of rising prices and periods of falling prices. In addition, the Portfolio's target index may, at times, become focused in stocks of a particular market sector, which would subject the Portfolio to proportionately higher exposure to the risks of that sector.

To illustrate the volatility of stock prices, the following table shows the best, worst, and average annual total returns for the U.S. stock market over various periods as measured by the S&P 500 Index, a widely used barometer of U.S. stock market activity. Total returns consist of dividend income plus change in market price. Note that the returns shown do not include the costs of buying and selling stocks or other expenses that a real-world investment portfolio would incur.

U.S. Stock Market Average Annual Returns (1926–2017)

	1 Year	5 Years	10 Years	20 Years
Best	54.2%	28.6%	19.9%	17.9%
Worst	-43.1	-12.4	-1.4	3.1
Average	12.0	10.1	10.3	11.0

The table covers all of the rolling 1-, 5-, 10-, and 20-year periods from 1926 through 2017. You can see, for example, that although the average annual return on common stocks for *all* of the 5-year periods was 10.1%, average annual returns for *individual* 5-year periods ranged from -12.4% (from 1928 through 1932) to 28.6% (from 1995 through 1999). These average annual returns reflect *past* performance of common stocks; you should not regard them as an indication of *future* performance of either the stock market as a whole or the Portfolio in particular.

Mutual funds that invest in stocks are often classified according to market value or market capitalization. These classifications typically include small-cap, mid-cap, and large-cap. It's important to understand that market capitalization ranges change over time. Also, interpretations of size vary, and there are no "official" definitions of small-,

mid-, and large-cap, even among Vanguard fund advisors. The asset-weighted median market capitalization of the Portfolio's stock holdings as of December 31, 2017, was \$78.6 billion.

Stock funds can also be categorized according to whether the stocks they hold are value or growth stocks or a blend of both. The Total Stock Market Index Portfolio generally fits into the large-cap blend category.

Security Selection

The Portfolio is a fund of funds. The trustees of the Fund allocate the Total Stock Market Index Portfolio's assets among the underlying funds. The trustees may authorize the Portfolio to invest in additional Vanguard funds without shareholder approval. Additionally, the trustees may increase or decrease the percentage of assets invested in any particular fund without advance notice to shareholders.

The Total Stock Market Index Portfolio is a stock index fund that seeks to track the performance of the S&P Total Market Index by investing all, or substantially all, of its assets in two Vanguard funds—Vanguard Variable Insurance Fund Equity Index Portfolio, which seeks to track the S&P 500 Index, and Vanguard Extended Market Index Fund, which seeks to track the S&P Completion Index. The S&P Total Market Index is a combination of the S&P 500 Index and the S&P Completion Index; it consists of substantially all of the U.S. common stocks regularly traded on the New York Stock Exchange and the Nasdaq over-the-counter market. The S&P 500 Index is dominated by stocks of large U.S. companies, and the S&P Completion Index represents mid- and small-capitalization stocks. As of December 31, 2017, the Portfolio allocated 82.4% of its assets to Vanguard Variable Insurance Fund Equity Index Portfolio and the remaining 17.6% of its assets to Vanguard Extended Market Index Fund. As of the date of this prospectus, the Portfolio invested in Admiral Shares of Extended Market Index Fund. Share class changes may be made without prior notice to shareholders. Through its investments in underlying funds, the Portfolio indirectly owns a diversified portfolio of stocks.

Plain Talk About Funds of Funds

The term fund of funds is used to describe a mutual fund that pursues its objective by investing in other mutual funds. A fund of funds may charge for its own direct expenses, in addition to bearing a proportionate share of the expenses charged by the underlying funds in which it invests. A fund of funds is best suited for long-term investors.

Other Investment Policies and Risks

The Portfolio reserves the right to substitute a different index for the index it currently tracks if the current index is discontinued, if the Portfolio's agreement with the sponsor of its target index is terminated, or for any other reason determined in good faith by the Fund's board of trustees. In any such instance, the substitute index would represent the same market segment as the current index.

The underlying portfolio and fund in which the Portfolio invests may invest in foreign securities to the extent necessary to carry out their investment strategy of holding all, or substantially all, of the stocks that make up the indexes they track.

To track their target indexes as closely as possible, the underlying portfolio and fund attempt to remain fully invested in stocks. To help stay fully invested and to reduce transaction costs, the Portfolio may invest, to a limited extent, in derivatives, including equity futures. The Portfolio may also use derivatives such as total return swaps to obtain exposure to a stock, a basket of stocks, or an index.

The Portfolio may invest in derivatives. Generally speaking, a derivative is a financial contract whose value is based on the value of a financial asset (such as a stock, a bond, or a currency), a physical asset (such as gold, oil, or wheat), a market index (such as the S&P 500 Index), or a reference rate (such as LIBOR). Investments in derivatives may subject the Portfolio to risks different from, and possibly greater than, those of investments directly in the underlying securities or assets. The Portfolio will not use derivatives for speculation or for the purpose of leveraging (magnifying) investment returns.

The Portfolio may invest a small portion of its assets in equity futures which are a type of derivative and/or shares of exchange-traded funds (ETFs). These equity futures and ETFs typically provide returns similar to those of the stocks listed in an index or in a subset of an index tracked by the Portfolio. The Portfolio may purchase ETFs when doing so will reduce the Portfolio's transaction costs or have the potential to add value because the instruments are favorably priced. Vanguard receives no additional revenue from Portfolio assets invested in ETF Shares of other Vanguard funds. Portfolio assets invested in ETF Shares are excluded when allocating to the Portfolio its share of the costs of Vanguard operations.

Cash Management

The Portfolio's daily cash balance may be invested in one or more Vanguard CMT Funds, which are low-cost money market funds. When investing in a Vanguard CMT Fund, the Portfolio bears its proportionate share of the expenses of the CMT Fund in which it invests. Vanguard receives no additional revenue from Portfolio assets invested in a Vanguard CMT Fund.

Temporary Investment Measures

The Portfolio may temporarily depart from its normal investment policies and strategies when the advisor believes that doing so is in the Portfolio's best interest, so long as the strategy or policy employed is consistent with the Portfolio's investment objective. For instance, the Portfolio may invest beyond its normal limits in derivatives or exchange-traded funds that are consistent with the Portfolio's objective when those instruments are more favorably priced or provide needed liquidity, as might be the case when the Portfolio receives large cash flows that it cannot prudently invest immediately.

Frequent Trading or Market-Timing

Background. Some investors try to profit from strategies involving frequent trading of mutual fund shares, such as market-timing. For funds holding foreign securities, investors may try to take advantage of an anticipated difference between the price of the fund's shares and price movements in overseas markets, a practice also known as time-zone arbitrage. Investors also may try to engage in frequent trading of funds holding investments such as small-cap stocks and high-yield bonds. As money is shifted into and out of a fund by an investor engaging in frequent trading, the fund incurs costs for buying and selling securities, resulting in increased brokerage and administrative costs. These costs are borne by *all* fund investors, including the long-term investors who do not generate the costs. In addition, frequent trading may interfere with an advisor's ability to efficiently manage the fund.

Policies to address frequent trading. The Vanguard funds (other than money market funds and short-term bond funds, but including Vanguard Short-Term Inflation-Protected Securities Index Fund) do not knowingly accommodate frequent trading. The board of trustees of each Vanguard fund (other than money market funds and short-term bond funds, but including Vanguard Short-Term Inflation-Protected Securities Index Fund) has adopted policies and procedures reasonably designed to detect and discourage frequent trading and, in some cases, to compensate the fund for the costs associated with it. These policies and procedures do not apply to Vanguard ETF® Shares because frequent trading in ETF Shares generally does not disrupt portfolio management or otherwise harm fund investors. Although there is no assurance that Vanguard will be able to detect or prevent frequent trading or market-timing in all circumstances, the following policies have been adopted to address these issues:

- Each Vanguard fund reserves the right to reject any purchase request—including exchanges from other Vanguard funds—without notice and regardless of size. For example, a purchase request could be rejected because the investor has a history of frequent trading or if Vanguard determines that such purchase may negatively affect a fund's operation or performance.
- Certain Vanguard funds charge shareholders purchase and/or redemption fees on transactions.

You may purchase or sell Portfolio shares through a contract offered by an insurance company. When insurance companies establish omnibus accounts in the Portfolio for their clients, we cannot monitor the individual clients' trading activity. However, we review trading activity at the omnibus account level, and we look for activity that may indicate potential frequent trading or market-timing. If we detect suspicious trading activity, we will seek the assistance of the insurance company to investigate that trading activity and take appropriate action, including prohibiting additional purchases of Portfolio shares by a client. Insurance companies may apply frequent-trading policies that differ from one another. Please read the insurance company contract and program materials carefully to learn of any rules or fees that may apply.

See the accompanying prospectus for the annuity or insurance program through which Portfolio shares are offered for further details on transaction policies.

The Portfolio, in determining its net asset value, will use fair-value pricing when appropriate, as described in the *Share Price* section. Fair-value pricing may reduce or eliminate the profitability of certain frequent-trading strategies.

Do not invest with Vanguard if you are a market-timer.

Turnover Rate

A mutual fund's turnover rate is a measure of its trading activity. Generally, an index fund sells securities in response to redemption requests or to changes in the composition of its target index. The Portfolio may sell securities regardless of how long they have been held. The historical turnover rates for the Portfolio can be found in the *Financial Highlights* section of this prospectus. A turnover rate of 100% for example, would mean that a Portfolio had sold and replaced securities valued at 100% of its net assets within a one-year period.

Plain Talk About Turnover Rate

Before investing in a mutual fund, you should review its turnover rate. This rate gives an indication of how transaction costs, which are not included in the fund's expense ratio, could affect the fund's future returns. In general, the greater the volume of buying and selling by the fund, the greater the impact that brokerage commissions and other transaction costs will have on its return. Also, funds with high turnover rates may be more likely to generate capital gains, including short-term capital gains, that must be distributed to shareholders and will be taxable to shareholders investing through a taxable account.

The Portfolio and Vanguard

Vanguard Variable Insurance Fund is a member of The Vanguard Group, a family of over 200 funds holding assets of approximately \$4.5 trillion. All of the funds that are members of The Vanguard Group (other than funds of funds) share in the expenses associated with administrative services and business operations, such as personnel, office space, and equipment.

Vanguard Marketing Corporation provides marketing services to the funds. Although fund shareholders do not pay sales commissions or 12b-1 distribution fees, each fund (other than a fund of funds) or each share class of a fund (in the case of a fund with multiple share classes) pays its allocated share of the Vanguard funds' marketing costs.

The Portfolio indirectly bears a proportionate share of the expenses of the underlying portfolio and fund in which it invests. However, its direct expenses are expected to be very low or zero. The Portfolio may operate without incurring direct expenses because Vanguard will reimburse it for (1) the Portfolio's contribution to the cost of operating the underlying portfolio and fund in which it invests, and (2) savings in administrative and marketing costs that Vanguard expects to derive from the Portfolio's operations.

Plain Talk About Vanguard's Unique Corporate Structure

The Vanguard Group is truly a *mutual* mutual fund company. It is owned jointly by the funds it oversees and thus indirectly by the shareholders in those funds. Most other mutual funds are operated by management companies that may be owned by one person, by a private group of individuals, or by public investors who own the management company's stock. The management fees charged by these companies include a profit component over and above the companies' cost of providing services. By contrast, Vanguard provides services to its member funds on an at-cost basis, with no profit component, which helps to keep the funds' expenses low.

Investment Advisor

The Total Stock Market Index Portfolio receives advisory services indirectly, by investing in other Vanguard funds and portfolios. The Vanguard Group, Inc. (Vanguard), P.O. Box 2600, Valley Forge, PA 19482, which began operations in 1975, through its Equity Index Group, provides investment advisory services for the Portfolio, a fund of funds, by (1) maintaining the Portfolio's allocation to its two underlying investments, Vanguard Extended Market Index Fund and Vanguard Variable Insurance Fund Equity Index Portfolio, and (2) by providing investment advisory services to those two underlying funds. As of December 31, 2017, Vanguard managed more than \$3.9 trillion in total assets. Vanguard provides investment advisory services to the Portfolio on an

at-cost basis, subject to the supervision and oversight of the trustees and officers of the Portfolio.

Under the terms of an SEC exemption, the board of trustees of Vanguard Variable Insurance Fund may, without prior approval from shareholders, change the terms of an advisory agreement with a third-party investment advisor or hire a new third-party investment advisor—either as a replacement for an existing advisor or as an additional advisor. Any significant change in the Portfolio's advisory arrangements will be communicated to shareholders in writing. As the Portfolio's sponsor and overall manager, Vanguard may provide investment advisory services to the Portfolio, on an at-cost basis, at any time. Vanguard may also recommend to the board of trustees that an advisor be hired, terminated, or replaced or that the terms of an existing advisory agreement be revised. Vanguard Variable Insurance Fund has filed an application seeking a similar SEC exemption with respect to investment advisors that are wholly owned subsidiaries of Vanguard. If granted, the Portfolio may rely on the new SEC relief.

For a discussion of why the board of trustees approved the Portfolio's investment advisory arrangement, see the Vanguard Variable Insurance Fund's most recent semiannual report to shareholders covering the fiscal period ended June 30.

The managers primarily responsible for the day-to-day management of the Portfolio are:

William Coleman, CFA, Portfolio Manager at Vanguard. He has worked in investment management since joining Vanguard in 2006, and has co-managed the Portfolio since 2013. Education: B.S., King's College; M.S., Saint Joseph's University.

Walter Nejman, Portfolio Manager at Vanguard. He has been with Vanguard since 2005, has worked in investment management since 2008, and has co-managed the Portfolio since 2013. Education: B.A., Arcadia University; M.B.A., Villanova University.

The Fund's *Statement of Additional Information* provides information about each portfolio manager's compensation, other accounts under management, and ownership of shares of the Portfolio.

Taxes

The Portfolio normally distributes its net investment income and net realized short-term or long-term capital gains, if any, to its shareholders, which are the insurance company separate accounts that fund your variable annuity or variable life insurance contract. The tax consequences to you of your investment in the Portfolio depend on the provisions of the annuity or life insurance contract through which you invest; please refer to the prospectus of such contract for more information.

The Portfolio intends to operate in such a manner that a separate account investing only in Portfolio shares will result in the variable annuity and variable life insurance

contracts supported by that account receiving favorable tax treatment. This favorable treatment means that you generally will not be taxed on Portfolio distributions or proceeds on dispositions of Portfolio shares received by the separate account funding your contract. In order to qualify for this favorable treatment, the insurance company separate accounts that invest in the Portfolio must satisfy certain requirements. If a Portfolio funding your contract does not meet such requirements, your contract could lose its favorable tax treatment, and income and gain allocable to your contract could be taxable to you. Also, if the IRS were to determine that contract holders have an impermissible level of control over the investments funding their contracts, your contract could lose its favorable tax treatment and income and gain allocable to your contract could be taxable currently to you. Please see the Vanguard Variable Insurance Fund's *Statement of Additional Information* for more information.

Share Price

Share price, also known as *net asset value* (NAV), is calculated each business day as of the close of regular trading on the New York Stock Exchange, generally 4 p.m., Eastern time. In the rare event the NYSE experiences unanticipated trade disruptions and is unavailable at the close of the trading day, NAVs will be calculated as of the close of regular trading on the Nasdaq (or another alternate exchange if the Nasdaq is unavailable, as determined at Vanguard's discretion), generally 4 p.m., Eastern time. The NAV per share is computed by dividing the total assets, minus liabilities, of the Portfolio by the number of Portfolio shares outstanding. On U.S. holidays or other days when the Exchange is closed, the NAV is not calculated, and the Portfolio does not sell or redeem shares. The underlying Vanguard funds in which the Portfolio invests also do not calculate their NAV on days when the Exchange is closed but the value of their assets may be affected to the extent that they hold securities that change in value on those days (such as foreign securities that trade on foreign markets that are open).

The Portfolio's NAV is calculated based upon the values of the underlying portfolio and mutual fund in which the Portfolio invests. The values of any foreign securities held by a fund are converted into U.S. dollars using an exchange rate obtained from an independent third party as of the close of regular trading on the NYSE. The values of any underlying portfolio and mutual fund shares held by the Portfolio are based on the NAVs of the shares. The values of any ETF Shares held by the Portfolio are based on the market value of the shares. The prospectus for the underlying portfolio and fund explains the circumstances under which the underlying portfolio and fund will use fair-value pricing and the effects of doing so.

The Portfolio's NAV is used to determine the unit value for the annuity or life insurance program through which you invest. For more information on unit values, please refer to the accompanying prospectus of the insurance company that offers your annuity or life insurance program.

Financial Highlights

The following financial highlights table is intended to help you understand the Portfolio's financial performance for the periods shown, and 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 each period on an investment in the Portfolio (assuming reinvestment of all distributions). This information has been obtained from the financial statements audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, whose report—along with the Portfolio's financial statements—is included in Vanguard Variable Insurance Fund's most recent annual report to shareholders. You may obtain a free copy of the latest annual or semiannual report by visiting vanguard.com or by contacting Vanguard by telephone or mail.

Yields and total returns presented for the Portfolio are net of the Portfolio's operating expenses, but do not take into account charges and expenses attributable to the annuity or life insurance program through which you invest. The expenses of the annuity or life insurance program reduce the returns and yields you ultimately receive, so you should bear those expenses in mind when evaluating the performance of the Portfolio and when comparing the yields and returns of the Portfolio with those of other mutual funds.

Plain Talk About How to Read the Financial Highlights Table

The Portfolio began fiscal year 2017 with a net asset value (share price) of \$34.10 per share. During the year, the Portfolio earned \$0.604 per share from investment income, \$0.89 per share in capital gain distributions received, and \$5.27 per share from investments that had appreciated in value or that were sold for higher prices than the Portfolio paid for them.

Shareholders received \$2.604 per share in the form of dividend and capital gains distributions. A portion of each year's distributions may come from the prior year's income or capital gains.

The share price at the end of the year was \$38.26, reflecting earnings of \$6.764 per share and distributions of \$2.604 per share. This was an increase of \$4.16 per share (from \$34.10 at the beginning of the year to \$38.26 at the end of the year). For a shareholder who reinvested the distributions in the purchase of more shares, the total return was 20.97% for the year.

As of December 31, 2017, the Portfolio had approximately \$2.1 billion in net assets. For the year, its acquired fund fees and expenses were 0.15%, and its net investment income amounted to 1.71% of its average net assets. The Portfolio sold and replaced securities valued at 6% of its net assets.

Total Stock Market Index Portfolio

For a Share Outstanding Throughout Each Period	Year Ended December 31,				
	2017	2016	2015	2014	2013
Net Asset Value, Beginning of Period	\$34.10	\$32.06	\$33.46	\$32.01	\$25.32
Investment Operations					
Net Investment Income	.604 ¹	.710	.480	.506 ¹	.454
Capital Gain Distributions Received	.890 ¹	.478	.672	.462 ¹	.560
Net Realized and Unrealized Gain (Loss) on Investments	5.270	2.598	(1.019)	2.717	7.116
Total from Investment Operations	6.764	3.786	.133	3.685	8.130
Distributions					
Dividends from Net Investment Income	(.699)	(.484)	(.433)	(.450)	(.435)
Distributions from Realized Capital Gains	(1.905)	(1.262)	(1.100)	(1.785)	(1.005)
Total Distributions	(2.604)	(1.746)	(1.533)	(2.235)	(1.440)
Net Asset Value, End of Period	\$38.26	\$34.10	\$32.06	\$33.46	\$32.01
Total Return	20.97%	12.56%	0.37%	12.29%	33.28%
Ratios/Supplemental Data					
Net Assets, End of Period (Millions)	\$2,104	\$1,735	\$1,699	\$1,629	\$1,209
Ratio of Total Expenses to Average Net Assets	—	—	—	—	—
Acquired Fund Fees and Expenses	0.15%	0.16%	0.16%	0.17%	0.18%
Ratio of Net Investment Income to Average Net Assets	1.71%	2.10%	1.53%	1.61%	1.62%
Portfolio Turnover Rate	6%	9%	5%	9%	17%

¹ Calculated based on average shares outstanding.

General Information

This Portfolio of Vanguard Variable Insurance Fund offers its shares to insurance companies to fund both annuity and life insurance contracts. Because of differences in tax treatment or other considerations, the best interests of various contract owners participating in the Portfolio might at some time be in conflict. The Fund's board of trustees will monitor for any material conflicts and determine what action, if any, should be taken.

If the board of trustees determines that continued offering of shares would be detrimental to the best interests of the Portfolio's shareholders, the Portfolio may suspend the offering of shares for a period of time. If the board of trustees determines that a specific purchase acceptance would be detrimental to the best interests of the Portfolio's shareholders (for example, because of the size of the purchase request or a history of frequent trading by the investor), the Portfolio may reject such a purchase request.

If you wish to redeem money from the Portfolio, please refer to the instructions provided in the accompanying prospectus for the annuity or life insurance program. Shares of the Portfolio may be redeemed on any business day. The redemption price of shares will be at the next-determined net asset value per share. Redemption proceeds will be wired to the administrator generally within one business day following receipt of the redemption request, but no later than seven calendar days. Contract owners will receive their redemption checks from the administrator.

Under normal circumstances, the Portfolio typically expects to meet redemptions with other positive cash flows. When this is not an option, the Portfolio seeks to maintain its risk exposure by selling a cross section of the Portfolio's holdings to meet redemptions, while also factoring in transaction costs. Additionally, the Portfolio may work with the insurance companies through which contract owners participate in the Portfolio to implement redemptions in a manner that is least disruptive to the portfolio.

Under certain circumstances, including under stressed market conditions, there are additional tools that the Portfolio may use in order to meet redemptions, including advancing the settlement of market trades with counterparties to match investor redemption payments or delaying settlement of an investor's transaction to match trade settlement within regulatory requirements. The Portfolio may also suspend payment of redemption proceeds for up to seven days. Additionally, under these unusual circumstances, the Portfolio may borrow money (subject to certain regulatory conditions and if available under board-approved procedures) through an interfund lending facility or through a bank line-of-credit, including a joint committed credit facility, in order to meet redemption requests.

The Portfolio may suspend the redemption right or postpone payment at times when the New York Stock Exchange is closed or during any emergency circumstances, as determined by the Securities and Exchange Commission.

The exchange privilege (your ability to redeem shares from one Portfolio to purchase shares of another Portfolio) may be available to you through your contract. Although we make every effort to maintain the exchange privilege, Vanguard reserves the right to revise or terminate this privilege, limit the amount of an exchange, or reject any exchange, at any time, without notice.

If the board of trustees determines that it would be detrimental to the best interests of the Portfolio's remaining shareholders to make payment in cash, the Portfolio may pay redemption proceeds, in whole or in part, by an in-kind distribution of readily marketable securities.

For certain categories of investors, the Portfolio has authorized one or more brokers to accept on its behalf purchase and redemption orders. The brokers are authorized to designate other intermediaries to accept purchase and redemption orders on the Portfolio's behalf. The Portfolio will be deemed to have received a purchase or redemption order when an authorized broker, or a broker's authorized designee, accepts the order in accordance with the Portfolio's instructions. In most cases, for these categories of investors, a contract owner's properly transmitted order will be priced at the Portfolio's next-determined NAV after the order is accepted by the authorized broker or the broker's designee. The contract owner should review the authorized broker's policies relating to trading in the Vanguard funds.

Please consult the Vanguard Variable Insurance Fund's *Statement of Additional Information* or our website for a description of the policies and procedures that govern disclosure of the Fund's portfolio holdings.

CFA® is a registered trademark owned by CFA Institute.

The "S&P Total Market Index" (the "Index") is a product of S&P Dow Jones Indices LLC ("SPDJI"), and has been licensed for use by Vanguard. Standard & Poor's® and S&P® are registered trademarks of Standard & Poor's Financial Services LLC ("S&P"); Dow Jones® is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones"); S&P® and S&P 500® are trademarks of S&P; and these trademarks have been licensed for use by SPDJI and sublicensed for certain purposes by Vanguard. Vanguard Variable Insurance Fund Total Stock Market Index Portfolio is not sponsored, endorsed, sold or promoted by SPDJI, Dow Jones, S&P, or any of their respective affiliates (collectively, "S&P Dow Jones Indices"). S&P Dow Jones Indices make no representation or warranty, express or implied, to the owners of Vanguard Variable Insurance Fund Total Stock Market Index Portfolio or any member of the public regarding the advisability of investing in securities generally or in Vanguard Variable Insurance Fund Total Stock Market Index Portfolio particularly or the ability of the S&P Total Market Index to track general market performance. S&P Dow Jones Indices' only relationship to Vanguard with respect to the S&P Total Market Index is the licensing of the Index and certain trademarks, service marks and/or trade names of S&P Dow Jones Indices and/or its licensors. The S&P Total Market Index is determined, composed and calculated by S&P Dow Jones Indices without regard to Vanguard or Vanguard Variable Insurance Fund Total Stock Market Index Portfolio. S&P Dow Jones Indices have no obligation to take the needs of Vanguard or the owners of Vanguard Variable Insurance Fund Total Stock Market Index Portfolio into consideration in determining, composing or calculating the S&P Total Market Index. S&P Dow Jones Indices are not responsible for and have not participated in the determination of the prices, and amount of Vanguard Variable Insurance Fund Total Stock Market Index Portfolio or the timing of the issuance or sale of Vanguard Variable Insurance Fund Total Stock Market Index Portfolio or in the determination or calculation of the equation by which Vanguard Variable Insurance Fund Total Stock Market Index Portfolio is to be converted into cash, surrendered or redeemed, as the case may be. S&P Dow Jones Indices have no obligation or liability in connection with the administration, marketing or trading of Vanguard Variable Insurance Fund Total Stock Market Index Portfolio. There is no assurance that investment products based on the S&P Total Market Index will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC is not an investment advisor. Inclusion of a security within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security, nor is it considered to be investment advice.

S&P DOW JONES INDICES DOES NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE S&P TOTAL MARKET INDEX OR ANY DATA RELATED THERETO OR ANY COMMUNICATION, INCLUDING BUT NOT LIMITED TO, ORAL OR WRITTEN COMMUNICATION (INCLUDING ELECTRONIC COMMUNICATIONS) WITH RESPECT THERETO. S&P DOW JONES INDICES SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. S&P DOW JONES INDICES MAKE NO EXPRESS OR IMPLIED WARRANTIES, AND EXPRESSLY DISCLAIMS ALL WARRANTIES, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY VANGUARD, OWNERS OF VANGUARD VARIABLE INSURANCE FUND TOTAL STOCK MARKET INDEX PORTFOLIO, OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING, IN NO EVENT WHATSOEVER SHALL S&P DOW JONES INDICES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN S&P DOW JONES INDICES AND VANGUARD, OTHER THAN THE LICENSORS OF S&P DOW JONES INDICES.

Glossary of Investment Terms

Acquired Fund. Any mutual fund, business development company, closed-end investment company, or other pooled investment vehicle whose shares are owned by a portfolio.

Capital Gains Distributions. Payments to portfolio shareholders of gains realized on securities that a portfolio has sold at a profit, minus any realized losses.

Cash Equivalent Investments. Cash deposits, short-term bank deposits, and money market instruments that include U.S. Treasury bills and notes, bank certificates of deposit (CDs), repurchase agreements, commercial paper, and banker's acceptances.

Common Stock. A security representing ownership rights in a corporation.

Dividend Distributions. Payments to portfolio shareholders of income from interest or dividends generated by a portfolio's investments.

Dow Jones U.S. Total Stock Market Float Adjusted Index. An index that represents the entire U.S. stock market and tracks more than 5,000 stocks, excluding shares of securities not available for public trading.

Expense Ratio. A portfolio's total annual operating expenses expressed as a percentage of the portfolio's average net assets. The expense ratio includes management and administrative expenses, but does not include the transaction costs of buying and selling portfolio securities.

Fund of Funds. A mutual fund that pursues its objective by investing in other mutual funds.

Inception Date. The date on which the assets of a portfolio are first invested in accordance with the portfolio's investment objective. For portfolios with a subscription period, the inception date is the day after that period ends. Investment performance is generally measured from the inception date.

Indexing. A low-cost investment strategy in which a mutual fund attempts to track—rather than outperform—a specified market benchmark, or “index.”

Joint Committed Credit Facility. The Portfolio participates, along with other funds managed by Vanguard, in a committed credit facility provided by a syndicate of lenders pursuant to a credit agreement that may be renewed annually; each fund is individually liable for its borrowings, if any, under the credit facility. The amount and terms of the committed credit facility are subject to approval by the fund's board of trustees and renegotiation with the lender syndicate on an annual basis.

Median Market Capitalization. An indicator of the size of companies in which a portfolio invests; the midpoint of market capitalization (market price x shares outstanding) of a portfolio's stocks, weighted by the proportion of the portfolio's assets invested in each stock. Stocks representing half of the portfolio's assets have market capitalizations above the median, and the rest are below it.

Mutual Fund. An investment company that pools the money of many people and invests it in a variety of securities in an effort to achieve a specific objective over time.

New York Stock Exchange (NYSE). A stock exchange based in New York City that is open for regular trading on business days, Monday through Friday, from 9:30 a.m. to 4 p.m., Eastern time. Net asset values (NAVs) are calculated each business day as of the close of regular trading on the NYSE.

S&P Total Market Index. An index that reflects the entire U.S. stock market, by combining the S&P 500 Index and the S&P Completion Index to form a benchmark for the full U.S. equity market.

Securities. Stocks, bonds, money market instruments, and other investments.

Spliced Total Market Index. An index that reflects performance of the Dow Jones U.S. Total Stock Market Index (formerly known as the Dow Jones Wilshire 5000 Index) through June 17, 2005, and the S&P Total Market Index thereafter.

Total Return. A percentage change, over a specified time period, in a portfolio's net asset value, assuming the reinvestment of all distributions of dividends and capital gains.

Volatility. The fluctuations in value of a mutual fund or other security. The greater a portfolio's volatility, the wider the fluctuations in its returns.

Yield. Income (interest or dividends) earned by an investment, expressed as a percentage of the investment's price.

This page intentionally left blank.



P.O. Box 2600
Valley Forge, PA 19482-2600

Connect with Vanguard® > vanguard.com

For More Information

If you would like more information about Vanguard Variable Insurance Fund Total Stock Market Index Portfolio, the following documents are available free upon request:

Annual/Semiannual Reports to Shareholders

Additional information about the Portfolio's investments is available in Vanguard Variable Insurance Fund's annual and semiannual reports to shareholders. In the annual report, you will find a discussion of the market conditions and investment strategies that significantly affected the Portfolio's performance during its last fiscal year.

Statement of Additional Information (SAI)

The SAI provides more detailed information about the Portfolio and is incorporated by reference into (and thus legally a part of) this prospectus.

To receive a free copy of the latest annual or semiannual reports or the SAI, or to request additional information about the Fund or other Vanguard funds, please visit vanguard.com or contact us as follows:

Vanguard Annuity and Insurance Services
P.O. Box 2600
Valley Forge, PA 19482-2600
Telephone: 800-522-5555
Text telephone for people with hearing impairment:
800-749-7273

Information Provided by the Securities and Exchange Commission (SEC)

You can review and copy information about the Fund (including the SAI) at the SEC's Public Reference Room in Washington, DC. To find out more about this public service, call the SEC at 202-551-8090. Reports and other information about the Fund are also available in the EDGAR database on the SEC's website at www.sec.gov, or you can receive copies of this information, for a fee, by electronic request at the following email address: publicinfo@sec.gov, or by writing the Public Reference Section, Securities and Exchange Commission, Washington, DC 20549-1520.

Fund's Investment Company Act file number: 811-05962

© 2018 The Vanguard Group, Inc. All rights reserved.
Vanguard Marketing Corporation, Distributor.

P 287 042018

[THIS PAGE INTENTIONALLY LEFT BLANK]

[THIS PAGE INTENTIONALLY LEFT BLANK]

Cat. # 158839 (5/18)
DFS# 543169

A848-AXA