

Prospectus

BlackRock Variable Series Funds II, Inc.

This Prospectus contains information you should know before investing, including information about risks. Please read it before you invest and keep it for future reference.

The Securities and Exchange Commission and the Commodity Futures Trading Commission have not approved or disapproved these securities or passed upon the adequacy of this Prospectus. Any representation to the contrary is a criminal offense.

Not FDIC Insured • May Lose Value • No Bank Guarantee

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BlackRock Variable Series Funds II, Inc.

- **BlackRock High Yield V.I. Fund (Class I and Class III)**

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Fund Overview

Key Facts About BlackRock High Yield V.I. Fund

Investment Objective

The investment objective of the BlackRock High Yield V.I. Fund (the “Fund”) is to seek to maximize total return, consistent with income generation and prudent investment management.

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy, hold and sell shares of the Fund. **The table and example below do not include separate account fees and expenses, and expenses would be higher if these fees and expenses were included.** Please refer to your variable annuity or insurance contract (the “Contract”) prospectus for information on the separate account fees and expenses associated with your Contract.

Shareholder Fees (fees paid directly from your investment)

The Fund is not subject to any shareholder fees.

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)	Class I Shares	Class III Shares
Management Fees ¹	0.45%	0.45%
Distribution and/or Service (12b-1) Fees	None	0.25%
Other Expenses	0.20%	0.20%
Total Annual Fund Operating Expenses	0.65%	0.90%
Fee Waivers and/or Expense Reimbursements ^{1,2}	(0.09)%	(0.10)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{1,2}	0.56%	0.80%

¹ As described in the “Management of the Funds” section of the Fund’s prospectus, BlackRock Advisors, LLC (“BlackRock”) has contractually agreed to waive the management fee with respect to any portion of the Fund’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through June 30, 2024. In addition, BlackRock has contractually agreed to waive its management fees by the amount of investment advisory fees the Fund pays to BlackRock indirectly through its investment in money market funds managed by BlackRock or its affiliates, through June 30, 2024. The contractual agreements may be terminated upon 90 days’ notice by a majority of the non-interested directors of BlackRock Variable Series Funds II, Inc. (the “Company”) or by a vote of a majority of the outstanding voting securities of the Fund.

² As described in the “Management of the Funds” section of the Fund’s prospectus, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 1.25% (for Class I Shares) and 1.50% (for Class III Shares) of average daily net assets through June 30, 2024. BlackRock has also contractually agreed to reimburse fees in order to limit certain operational and recordkeeping fees to 0.06% (for Class I Shares) and 0.05% (for Class III Shares) of average daily net assets through June 30, 2024. Each of these contractual agreements may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Company or by a vote of a majority of the outstanding voting securities of the Fund.

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 those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. The Example does not reflect charges imposed by the Contract. See the Contract prospectus for information on such charges. Although your actual costs may be higher or lower, based on these assumptions and the net expenses shown in the fee table, your costs would be:

	1 Year	3 Years	5 Years	10 Years
Class I Shares	\$57	\$199	\$353	\$ 802
Class III Shares	\$82	\$277	\$489	\$1,099

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 46% of the average value of its portfolio.

Principal Investment Strategies of the Fund

The Fund invests primarily in non-investment grade bonds with maturities of ten years or less. The Fund normally invests at least 80% of its assets in high yield bonds. The Fund may also invest in convertible and preferred securities. These securities will be counted toward the Fund's 80% policy to the extent they have characteristics similar to the securities included within that policy. The high yield securities (commonly called "junk bonds") acquired by the Fund will generally be in the lower rating categories of the major rating agencies (BB or lower by S&P Global Ratings or Fitch Ratings, Inc., or Ba or lower by Moody's Investors Service, Inc.) or will be determined by the Fund management team to be of similar quality. Split rated bonds and other fixed-income securities (securities that receive different ratings from two or more rating agencies) are valued as follows: if three agencies rate a security, the security will be considered to have the median credit rating; if two of the three agencies rate a security, the security will be considered to have the lower credit rating. The Fund may invest up to 30% of its assets in non-dollar denominated bonds of issuers located outside of the United States. The Fund's investment in non-dollar denominated bonds may be on a currency hedged or unhedged basis.

To add additional diversification, the management team can invest in a wide range of securities including corporate bonds, mezzanine investments, collateralized bond obligations, bank loans and mortgage-backed and asset-backed securities. The Fund can also invest, to the extent consistent with its investment objective, in non-U.S. and emerging market securities and currencies. The Fund may invest in securities of any rating, and may invest up to 10% of its assets (measured at the time of investment) in distressed securities that are in default or the issuers of which are in bankruptcy.

The Fund may buy or sell options or futures on a security, or enter into credit default swaps and interest rate or foreign currency transactions, including swaps (collectively, commonly known as derivatives). The Fund may use derivative instruments to hedge its investments or to seek to enhance returns. The Fund may seek to obtain market exposure to the securities in which it primarily invests by entering into a series of purchase and sale contracts or by using other investment techniques (such as reverse repurchase agreements or dollar rolls). The Fund may invest in indexed securities.

The Fund may engage in active and frequent trading of portfolio securities to achieve its principal investment strategies.

Principal Risks of Investing in the Fund

Risk is inherent in all investing. The value of your investment in the Fund, as well as the amount of return you receive on your investment, may fluctuate significantly from day to day and over time. You may lose part or all of your investment in the Fund or your investment may not perform as well as other similar investments. The following is a summary description of principal risks of investing in the Fund. The relative significance of each risk factor below may change over time and you should review each risk factor carefully.

■ **Debt Securities Risk** — Debt securities, such as bonds, involve interest rate risk, credit risk, extension risk, and prepayment risk, among other things.

Interest Rate Risk — The market value of bonds and other fixed-income securities changes in response to interest rate changes and other factors. Interest rate risk is the risk that prices of bonds and other fixed-income securities will increase as interest rates fall and decrease as interest rates rise.

The Fund may be subject to a greater risk of rising interest rates due to the recent period of historically low interest rates. For example, if interest rates increase by 1%, assuming a current portfolio duration of ten years, and all other factors being equal, the value of the Fund's investments would be expected to decrease by 10%. (Duration is a measure of the price sensitivity of a debt security or portfolio of debt securities to relative changes in interest rates.) The magnitude of these fluctuations in the market price of bonds and other fixed-income securities is generally greater for those securities with longer maturities. Fluctuations in the market price of the Fund's investments will not affect interest income derived from instruments already owned by the Fund, but will be reflected in the Fund's net asset value. The Fund may lose money if short-term or long-term interest rates rise sharply in a manner not anticipated by Fund management.

To the extent the Fund invests in debt securities that may be prepaid at the option of the obligor (such as mortgage-backed securities), the sensitivity of such securities to changes in interest rates may increase (to the detriment of the Fund) when interest rates rise. Moreover, because rates on certain floating rate debt securities typically reset only periodically, changes in prevailing interest rates (and particularly sudden and significant changes) can be expected to cause some fluctuations in the net asset value of the Fund to the extent that it invests in floating rate debt securities.

These basic principles of bond prices also apply to U.S. Government securities. A security backed by the "full faith and credit" of the U.S. Government is guaranteed only as to its stated interest rate and face value at maturity, not its current market price. Just like other fixed-income securities, government-guaranteed securities will fluctuate in value when interest rates change.

A general rise in interest rates has the potential to cause investors to move out of fixed-income securities on a large scale, which may increase redemptions from funds that hold large amounts of fixed-income securities. Heavy redemptions could cause the Fund to sell assets at inopportune times or at a loss or depressed value and could hurt the Fund's performance.

Credit Risk — Credit risk refers to the possibility that the issuer of a debt security (i.e., the borrower) will not be able to make payments of interest and principal when due. Changes in an issuer's credit rating or the market's perception of an issuer's creditworthiness may also affect the value of the Fund's investment in that issuer. The degree of credit risk depends on both the financial condition of the issuer and the terms of the obligation.

Extension Risk — When interest rates rise, certain obligations will be paid off by the obligor more slowly than anticipated, causing the value of these obligations to fall.

Prepayment Risk — When interest rates fall, certain obligations will be paid off by the obligor more quickly than originally anticipated, and the Fund may have to invest the proceeds in securities with lower yields.

■ **Junk Bonds Risk** — Although junk bonds generally pay higher rates of interest than investment grade bonds, junk bonds are high risk investments that are considered speculative and may cause income and principal losses for the Fund.

■ **Bank Loan Risk** — The market for bank loans may lack liquidity and the Fund may have difficulty selling them. These investments expose the Fund to the credit risk of both the financial institution and the underlying borrower.

■ **Collateralized Bond Obligations Risk** — The pool of high yield securities underlying collateralized bond obligations is typically separated into groupings called tranches representing different degrees of credit quality. The higher quality tranches have greater degrees of protection and pay lower interest rates. The lower tranches, with greater risk, pay higher interest rates.

■ **Convertible Securities Risk** — The market value of a convertible security performs like that of a regular debt security; that is, if market interest rates rise, the value of a convertible security usually falls. In addition, convertible securities are subject to the risk that the issuer will not be able to pay interest or dividends when due, and their market value may change based on changes in the issuer's credit rating or the market's perception of the issuer's creditworthiness. Since it derives a portion of its value from the common stock into which it may be converted, a convertible security is also subject to the same types of market and issuer risks that apply to the underlying common stock.

■ **Derivatives Risk** — The Fund's use of derivatives may increase its costs, reduce the Fund's returns and/or increase volatility. Derivatives involve significant risks, including:

Leverage Risk — The Fund's use of derivatives can magnify the Fund's gains and losses. Relatively small market movements may result in large changes in the value of a derivatives position and can result in losses that greatly exceed the amount originally invested.

Market Risk — Some derivatives are more sensitive to interest rate changes and market price fluctuations than other securities. The Fund could also suffer losses related to its derivatives positions as a result of unanticipated market movements, which losses are potentially unlimited. Finally, BlackRock may not be able to predict correctly the direction of securities prices, interest rates and other economic factors, which could cause the Fund's derivatives positions to lose value.

Counterparty Risk — Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will be unable or unwilling to fulfill its contractual obligation, and the related risks of having concentrated exposure to such a counterparty.

Illiquidity Risk — The possible lack of a liquid secondary market for derivatives and the resulting inability of the Fund to sell or otherwise close a derivatives position could expose the Fund to losses and could make derivatives more difficult for the Fund to value accurately.

Operational Risk — The use of derivatives includes the risk of potential operational issues, including documentation issues, settlement issues, systems failures, inadequate controls and human error.

Legal Risk — The risk of insufficient documentation, insufficient capacity or authority of counterparty, or legality or enforceability of a contract.

Volatility and Correlation Risk — Volatility is defined as the characteristic of a security, an index or a market to fluctuate significantly in price within a short time period. A risk of the Fund's use of derivatives is that the fluctuations in their values may not correlate with the overall securities markets.

Valuation Risk — Valuation for derivatives may not be readily available in the market. Valuation may be more difficult in times of market turmoil since many investors and market makers may be reluctant to purchase complex instruments or quote prices for them.

Hedging Risk — Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that the Fund’s hedging transactions will be effective. The use of hedging may result in certain adverse tax consequences.

Tax Risk — Certain aspects of the tax treatment of derivative instruments, including swap agreements and commodity-linked derivative instruments, are currently unclear and may be affected by changes in legislation, regulations or other legally binding authority. Such treatment may be less favorable than that given to a direct investment in an underlying asset and may adversely affect the timing, character and amount of income the Fund realizes from its investments.

Regulatory Risk — Derivative contracts are subject to regulation under the Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Dodd-Frank Act”) in the United States and under comparable regimes in Europe, Asia and other non-U.S. jurisdictions. Under the Dodd-Frank Act, with respect to uncleared swaps, swap dealers are required to collect variation margin from the Fund and may be required by applicable regulations to collect initial margin from the Fund. Both initial and variation margin may be comprised of cash and/or securities, subject to applicable regulatory haircuts. Shares of investment companies (other than certain money market funds) may not be posted as collateral under applicable regulations. In addition, regulations adopted by global prudential regulators that are now in effect require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many derivatives contracts, terms that delay or restrict the rights of counterparties, such as the Fund, to terminate such contracts, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. The implementation of these requirements with respect to derivatives, as well as regulations under the Dodd-Frank Act regarding clearing, mandatory trading and margining of other derivatives, may increase the costs and risks to the Fund of trading in these instruments and, as a result, may affect returns to investors in the Fund.

- **Distressed Securities Risk** — Distressed securities are speculative and involve substantial risks in addition to the risks of investing in junk bonds. The Fund will generally not receive interest payments on the distressed securities and may incur costs to protect its investment. In addition, distressed securities involve the substantial risk that principal will not be repaid. These securities may present a substantial risk of default or may be in default at the time of investment. The Fund may incur additional expenses to the extent it is required to seek recovery upon a default in the payment of principal or interest on its portfolio holdings. In any reorganization or liquidation proceeding relating to a portfolio company, the Fund may lose its entire investment or may be required to accept cash or securities with a value less than its original investment. Distressed securities and any securities received in an exchange for such securities may be subject to restrictions on resale.
- **Dollar Rolls Risk** — Dollar rolls involve the risk that the market value of the securities that the Fund is committed to buy may decline below the price of the securities the Fund has sold. These transactions may involve leverage.
- **Emerging Markets Risk** — Emerging markets are riskier than more developed markets because they tend to develop unevenly and may never fully develop. Investments in emerging markets may be considered speculative. Emerging markets are more likely to experience hyperinflation and currency devaluations, which adversely affect returns to U.S. investors. In addition, many emerging securities markets have far lower trading volumes and less liquidity than developed markets.
- **Foreign Securities Risk** — Foreign investments often involve special risks not present in U.S. investments that can increase the chances that the Fund will lose money. These risks include:
 - The Fund generally holds its foreign securities and cash in foreign banks and securities depositories, which may be recently organized or new to the foreign custody business and may be subject to only limited or no regulatory oversight.
 - Changes in foreign currency exchange rates can affect the value of the Fund’s portfolio.
 - The economies of certain foreign markets may not compare favorably with the economy of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources and balance of payments position.
 - The governments of certain countries, or the U.S. Government with respect to certain countries, may prohibit or impose substantial restrictions through capital controls and/or sanctions on foreign investments in the capital markets or certain industries in those countries, which may prohibit or restrict the ability to own or transfer currency, securities, derivatives or other assets.
 - Many foreign governments do not supervise and regulate stock exchanges, brokers and the sale of securities to the same extent as does the United States and may not have laws to protect investors that are comparable to U.S. securities laws.

- Settlement and clearance procedures in certain foreign markets may result in delays in payment for or delivery of securities not typically associated with settlement and clearance of U.S. investments.
- The Fund's claims to recover foreign withholding taxes may not be successful, and if the likelihood of recovery of foreign withholding taxes materially decreases, due to, for example, a change in tax regulation or approach in the foreign country, accruals in the Fund's net asset value for such refunds may be written down partially or in full, which will adversely affect the Fund's net asset value.
- The European financial markets have recently experienced volatility and adverse trends due to concerns about economic downturns in, or rising government debt levels of, several European countries as well as acts of war in the region. These events may spread to other countries in Europe and may affect the value and liquidity of certain of the Fund's investments.
- **High Portfolio Turnover Risk** — The Fund may engage in active and frequent trading of its portfolio securities. High portfolio turnover (more than 100%) may result in increased transaction costs to the Fund, including brokerage commissions, dealer mark-ups and other transaction costs on the sale of the securities and on reinvestment in other securities. The sale of Fund portfolio securities may result in the realization and/or distribution to shareholders of higher capital gains or losses as compared to a fund with less active trading policies. These effects of higher than normal portfolio turnover may adversely affect Fund performance.
- **Illiquid Investments Risk** — The Fund may not acquire any illiquid investment if, immediately after the acquisition, the Fund would have invested more than 15% of its net assets in illiquid investments. An illiquid investment is any investment that the Fund reasonably expects cannot be sold or disposed of in current market conditions in seven calendar days or less without the sale or disposition significantly changing the market value of the investment. Liquid investments may become illiquid after purchase by the Fund, particularly during periods of market turmoil. There can be no assurance that a security or instrument that is deemed to be liquid when purchased will continue to be liquid for as long as it is held by the Fund, and any security or instrument held by the Fund may be deemed an illiquid investment pursuant to the Fund's liquidity risk management program. The Fund's illiquid investments may reduce the returns of the Fund because it may be difficult to sell the illiquid investments at an advantageous time or price. In addition, if the Fund is limited in its ability to sell illiquid investments during periods when shareholders are redeeming their shares, the Fund will need to sell liquid securities to meet redemption requests and illiquid securities will become a larger portion of the Fund's holdings. An investment may be illiquid due to, among other things, the reduced number and capacity of traditional market participants to make a market in fixed-income securities or the lack of an active trading market. To the extent that the Fund's principal investment strategies involve derivatives or securities with substantial market and/or credit risk, the Fund will tend to have the greatest exposure to the risks associated with illiquid investments. Illiquid investments may be harder to value, especially in changing markets, and if the Fund is forced to sell these investments to meet redemption requests or for other cash needs, the Fund may suffer a loss. This may be magnified in a rising interest rate environment or other circumstances where investor redemptions from fixed-income mutual funds may be higher than normal. In addition, when there is illiquidity in the market for certain securities, the Fund, due to limitations on illiquid investments, may be subject to purchase and sale restrictions.
- **Indexed Securities Risk** — Indexed securities provide a potential return based on a particular index of value or interest rates. The Fund's return on these securities will be subject to risk with respect to the value of the particular index. These securities are subject to leverage risk and correlation risk. Certain indexed securities have greater sensitivity to changes in interest rates or index levels than other securities, and the Fund's investment in such instruments may decline significantly in value if interest rates or index levels move in a way Fund management does not anticipate.
- **Leverage Risk** — Some transactions may give rise to a form of economic leverage. These transactions may include, among others, derivatives, and may expose the Fund to greater risk and increase its costs. The use of leverage may cause the Fund to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet the applicable requirements of the Investment Company Act of 1940, as amended (the "Investment Company Act") and the rules thereunder. Increases and decreases in the value of the Fund's portfolio will be magnified when the Fund uses leverage.
- **Market Risk and Selection Risk** — Market risk is the risk that one or more markets in which the Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. The value of a security or other asset may decline due to changes in general market conditions, economic trends or events that are not specifically related to the issuer of the security or other asset, or factors that affect a particular issuer or issuers, exchange, country, group of countries, region, market, industry, group of industries, sector or asset class. Local, regional or global events such as war, acts of terrorism, the spread of infectious illness or other public health issues like pandemics or epidemics, recessions, or other events could have a significant impact on the Fund and its investments. Selection risk is the risk that the securities selected by Fund management will underperform the markets, the relevant indices or the securities selected by other funds with similar investment objectives and investment strategies. This means you may lose money.

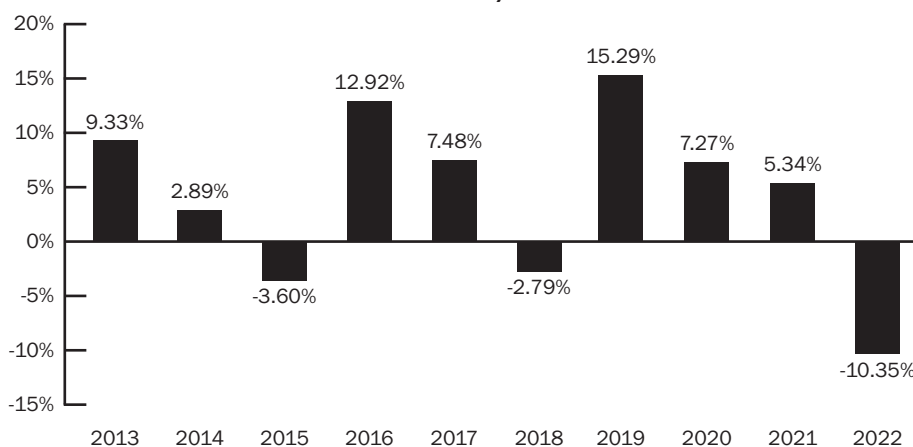
An outbreak of an infectious coronavirus (COVID-19) that was first detected in December 2019 developed into a global pandemic that has resulted in numerous disruptions in the market and has had significant economic impact leaving general concern and uncertainty. Although vaccines have been developed and approved for use by various governments, the duration of the pandemic and its effects cannot be predicted with certainty. The impact of this coronavirus, and other epidemics and pandemics that may arise in the future, could affect the economies of many nations, individual companies and the market in general ways that cannot necessarily be foreseen at the present time.

- **Mezzanine Securities Risk** — Mezzanine securities carry the risk that the issuer will not be able to meet its obligations and that the equity securities purchased with the mezzanine investments may lose value.
- **Mortgage- and Asset-Backed Securities Risks** — Mortgage- and asset-backed securities represent interests in “pools” of mortgages or other assets, including consumer loans or receivables held in trust. Mortgage- and asset-backed securities are subject to credit, interest rate, prepayment and extension risks. These securities also are subject to risk of default on the underlying mortgage or asset, particularly during periods of economic downturn. Small movements in interest rates (both increases and decreases) may quickly and significantly reduce the value of certain mortgage-backed securities.
- **Preferred Securities Risk** — Preferred securities may pay fixed or adjustable rates of return. Preferred securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company’s preferred securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company’s financial condition or prospects. Preferred securities of smaller companies may be more vulnerable to adverse developments than preferred securities of larger companies.
- **Repurchase Agreements and Purchase and Sale Contracts Risk** — If the other party to a repurchase agreement or purchase and sale contract defaults on its obligation under the agreement, the Fund may suffer delays and incur costs or lose money in exercising its rights under the agreement. If the seller fails to repurchase the security in either situation and the market value of the security declines, the Fund may lose money.
- **Reverse Repurchase Agreements Risk** — Reverse repurchase agreements involve the sale of securities held by the Fund with an agreement to repurchase the securities at an agreed-upon price, date and interest payment. Reverse repurchase agreements involve the risk that the other party may fail to return the securities in a timely manner or at all. The Fund could lose money if it is unable to recover the securities and the value of the collateral held by the Fund, including the value of the investments made with cash collateral, is less than the value of the securities. These events could also trigger adverse tax consequences for the Fund. In addition, reverse repurchase agreements involve the risk that the interest income earned in the investment of the proceeds will be less than the interest expense.
- **Risk of Investing in the United States** — Certain changes in the U.S. economy, such as when the U.S. economy weakens or when its financial markets decline, may have an adverse effect on the securities to which the Fund has exposure.

Performance Information

The information shows you how the Fund's performance has varied year by year and provides some indication of the risks of investing in the Fund. The table compares the Fund's performance to that of the Bloomberg U.S. Corporate High Yield 2% Issuer Capped Index. The Fund acquired all of the assets, subject to the liabilities, of BlackRock High Yield V.I. Fund, a series of BlackRock Variable Series Funds, Inc. (the "Predecessor Fund"), in a reorganization on September 17, 2018 (the "Reorganization"). The Fund adopted the performance of the Predecessor Fund as a result of the Reorganization. The performance information below is based on the performance of the Predecessor Fund for periods prior to the date of the Reorganization. The Predecessor Fund had the same investment objectives, strategies and policies, portfolio management team and contractual arrangements, including the same contractual fees and expenses, as the Fund as of the date of the Reorganization. The bar chart and table do not reflect separate account fees and expenses. If they did, returns would be less than those shown. To the extent that dividends and distributions have been paid by the Fund, the performance information for the Fund in the chart and table assumes reinvestment of the dividends and distributions. As with all such investments, past performance is not an indication of future results. If the Fund's investment manager and its affiliates had not waived or reimbursed certain Fund expenses during these periods, the Fund's returns would have been lower.

Class I Shares ANNUAL TOTAL RETURNS BlackRock High Yield V.I. Fund As of 12/31



During the ten-year period shown in the bar chart, the highest return for a quarter was 10.27% (quarter ended June 30, 2020) and the lowest return for a quarter was -12.39% (quarter ended March 31, 2020).

For the periods ended 12/31/22 Average Annual Total Returns

	1 Year	5 Years	10 Years
BlackRock High Yield V.I. Fund: Class I Shares	(10.35)%	2.60%	4.10%
BlackRock High Yield V.I. Fund: Class III Shares	(10.56)%	2.35%	3.85%
Bloomberg U.S. Corporate High Yield 2% Issuer Capped Index (Reflects no deduction for fees, expenses or taxes)	(11.18)%	2.30%	4.03%

Investment Manager

The Fund's investment manager is BlackRock Advisors, LLC (previously defined as "BlackRock"). The Fund's sub-adviser is BlackRock International Limited. Where applicable, the use of the term BlackRock also refers to the Fund's sub-adviser.

Portfolio Managers

Name	Portfolio Manager of the Fund Since*	Title
James Keenan, CFA	2007	Managing Director of BlackRock, Inc.
Mitchell Garfin, CFA	2009	Managing Director of BlackRock, Inc.
David Delbos	2014	Managing Director of BlackRock, Inc.
Derek Schoenhofen	2009	Director of BlackRock, Inc.

* Includes management of the Predecessor Fund.

Purchase and Sale of Fund Shares

Shares of the Fund currently are sold either directly or indirectly (through other variable insurance funds) to separate accounts of insurance companies (the “Insurance Companies”) and certain accounts administered by the Insurance Companies (the “Accounts”) to fund benefits under the Contracts issued by the Insurance Companies. Shares of the Fund may be purchased or sold each day the New York Stock Exchange is open.

The Fund does not have any initial or subsequent investment minimums. However, your Contract may require certain investment minimums. See your Contract prospectus for more information.

Tax Information

Distributions made by the Fund to an Account, and exchanges and redemptions of Fund shares made by an Account, ordinarily do not cause the corresponding Contract holder to recognize income or gain for U.S. federal income tax purposes. See the Contract prospectus for information regarding the U.S. federal income tax treatment of the distributions to Accounts and the holders of the Contracts.

Payments to Broker/Dealers and Other Financial Intermediaries

BlackRock and its affiliates may make payments relating to distribution and sales support activities to the Insurance Companies and other financial intermediaries for the sale of Fund shares and related services. These payments may create a conflict of interest by influencing the Insurance Company or other financial intermediary and your individual financial professional to recommend the Fund over another investment. Visit your Insurance Company’s website, which may have more information.

Details About the Fund

Included in this prospectus are sections that tell you about buying and selling shares, management information, shareholder features of the BlackRock High Yield V.I. Fund (the “Fund”) and your rights as a shareholder.

How the Fund Invests

Investment Objective

The investment objective of the Fund is to seek to maximize total return consistent with income generation and prudent investment management.

This investment objective is a fundamental policy of the Fund and may not be changed without approval of a majority of the Fund’s outstanding voting securities, as defined in the Investment Company Act of 1940, as amended (the “Investment Company Act”).

Investment Process

The management team evaluates sectors of the high yield market and individual bonds within these sectors. Typically, the management team will invest in distressed securities when it believes they are undervalued.

Securities are purchased for the Fund when the management teams determine that they have the potential for above-average total return. The Fund’s performance is measured against a specified benchmark.

If a security’s rating declines the management team will decide whether to continue to hold the security. A security will be sold if, in the opinion of the management team, the risk of continuing to hold the security is unacceptable when compared to its total return potential.

Principal Investment Strategies

The Fund invests primarily in non-investment grade bonds with maturities of ten years or less. The Fund normally invests at least 80% of its assets in high yield bonds. The 80% policy is a non-fundamental policy of the Fund and may not be changed without 60 days’ prior notice to shareholders. The Fund may also invest in convertible and preferred securities. These securities will be counted toward the Fund’s 80% policy to the extent they have characteristics similar to the securities included within that policy. Convertible securities generally are debt securities or preferred stock that may be converted into common stock. Convertible securities typically pay current income as either interest (debt security convertibles) or dividends (preferred stock convertibles). A convertible security’s value usually reflects both the stream of current income payments and the market value of the underlying stock. Preferred stock is a class of stock that often pays dividends at a specified rate and has preference over common stock in dividend payments and liquidation of assets. The high yield securities (commonly called “junk bonds”) acquired by the Fund will generally be in the lower rating categories of the major rating agencies (BB or lower by S&P Global Ratings or Fitch Ratings, Inc., or Ba or lower by Moody’s Investors Service, Inc.) or will be determined by the Fund management team to be of similar quality. Split rated bonds and other fixed-income securities (securities that receive different ratings from two or more rating agencies) are valued as follows: if three agencies rate a security, the security will be considered to have the median credit rating; if two of the three agencies rate a security, the security will be considered to have the lower credit rating. The Fund may invest up to 30% of its assets in non-dollar denominated bonds of issuers located outside of the United States. The Fund’s investment in non-dollar denominated bonds may be on a currency hedged or unhedged basis. High yield securities are sometimes referred to as “junk bonds,” which are debt securities rated lower than investment grade (below the fourth highest rating of the major rating agencies). These securities generally pay more interest than higher rated securities. The higher yield is an incentive to investors who otherwise may be hesitant to purchase the debt of such a low-rated issuer.

To add additional diversification, the management team can invest in a wide range of securities including corporate bonds, mezzanine investments, collateralized bond obligations, bank loans and mortgage-backed and asset-backed securities. The Fund can also invest, to the extent consistent with its investment objective, in non-U.S. and emerging market securities and currencies. The Fund may invest in securities of any rating, and may invest up to 10% of its assets (measured at the time of investment) in distressed securities that are in default or the issuers of which are in bankruptcy. Mezzanine investments are subordinated debt securities that receive payments of interest and principal after other more senior security holders are paid. They are generally issued in private placements in connection with an equity security. Collateralized bond obligations are securities backed by a diversified pool of high yield securities. Bank loans are fixed and floating rate loans arranged through private negotiations between a company or a non-U.S. government and one or more financial institutions. The Fund considers such investments to be debt securities. Mortgage-backed securities are asset-backed securities based on a particular type of asset, a mortgage. There is a wide variety of mortgage-backed securities involving commercial or residential, fixed rate or adjustable rate mortgages

and mortgages issued by banks or government agencies. Asset-backed securities are bonds that are backed by a pool of assets, usually loans such as installment sale contracts or credit card receivables.

The Fund may buy or sell options or futures on a security, or enter into credit default swaps and interest rate or foreign currency transactions, including swaps (collectively, commonly known as derivatives). The Fund may use derivative instruments to hedge its investments or to seek to enhance returns. The Fund may seek to obtain market exposure to the securities in which it primarily invests by entering into a series of purchase and sale contracts or by using other investment techniques (such as reverse repurchase agreements or dollar rolls). The Fund may invest in indexed securities.

The Fund may engage in active and frequent trading of portfolio securities to achieve its principal investment strategies.

Other Strategies

In addition to the principal strategies discussed above, the Fund may also invest or engage in the following investments/strategies:

- **Common Stock** — The Fund may acquire and hold common stock either directly or indirectly. Indirect acquisitions include unit offerings with fixed-income securities or in connection with an amendment, waiver, or a conversion or exchange of fixed-income securities, or in connection with the bankruptcy or workout of a distressed fixed-income security, or upon the exercise of a right or warrant obtained in connection with the Fund's investment in a fixed-income security. Direct investments in common stock will be limited to 10% of the Fund's assets.
- **Investment Companies** — The Fund has the ability to invest in other investment companies, such as exchange-traded funds ("ETFs"), unit investment trusts, and open-end and closed-end funds. The Fund may invest in affiliated investment companies, including affiliated money market funds and affiliated ETFs.
- **Temporary Defensive Strategies** — For temporary defensive purposes, the Fund may restrict the markets in which it invests and may invest without limitation in cash, cash equivalents, money market securities, such as U.S. Treasury and agency obligations, other U.S. Government securities, short-term debt obligations of corporate issuers, certificates of deposit, bankers acceptances, commercial paper (short-term, unsecured, negotiable promissory notes of a domestic or foreign issuer) or other high quality fixed income securities. Temporary defensive positions may affect the Fund's ability to achieve its investment objective.
- **When-Issued and Delayed Delivery Securities and Forward Commitments** — The purchase or sale of securities on a when-issued basis or on a delayed delivery basis or through a forward commitment involves the purchase or sale of securities by the Fund at an established price with payment and delivery taking place in the future. The Fund enters into these transactions to obtain what is considered an advantageous price to the Fund at the time of entering into the transaction.

ABOUT THE PORTFOLIO MANAGEMENT OF THE FUND

The Fund is managed by a team of financial professionals. James Keenan, CFA, Mitchell Garfin, CFA, David Delbos and Derek Schoenhofen are the portfolio managers. Mr. Keenan is jointly and primarily responsible for setting the Fund's overall investment strategy and overseeing the Fund's investment process and performance. Messrs. Garfin, Delbos and Schoenhofen are jointly and primarily responsible for the day-to-day management of the Fund. Please see "Management of the Funds — Portfolio Manager Information" for additional information about the portfolio management team.

Investment Risks

This section contains a discussion of the general risks of investing in the Fund. The "Investment Objectives and Policies" section in the Statement of Additional Information ("SAI") also includes more information about the Fund, its investments and the related risks. As with any fund, there can be no guarantee that the Fund will meet its investment objective or that the Fund's performance will be positive for any period of time. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or by any bank or governmental agency. The order of the below risk factors does not indicate the significance of any particular risk factor.

Principal Risks of Investing in the Fund:

Bank Loan Risk — The market for bank loans may lack liquidity and the Fund may have difficulty selling them. These investments expose the Fund to the credit risk of both the financial institution and the underlying borrower.

Collateralized Bond Obligations Risk — The pool of high yield securities underlying collateralized bond obligations is typically separated into groupings called tranches representing different degrees of credit quality. The higher quality tranches have greater degrees of protection and pay lower interest rates. The lower tranches, with greater risk, pay higher interest rates.

Convertible Securities Risk — The market value of a convertible security performs like that of a regular debt security; that is, if market interest rates rise, the value of a convertible security usually falls. In addition, convertible securities are subject to the risk that the issuer will not be able to pay interest or dividends when due, and their market value may change based on changes in the issuer's credit rating or the market's perception of the issuer's creditworthiness. Since it derives a portion of its value from the common stock into which it may be converted, a convertible security is also subject to the same types of market and issuer risks that apply to the underlying common stock.

Debt Securities Risk — Debt securities, such as bonds, involve interest rate risk, credit risk, extension risk, and prepayment risk, among other things.

Interest Rate Risk — The market value of bonds and other fixed-income securities changes in response to interest rate changes and other factors. Interest rate risk is the risk that prices of bonds and other fixed-income securities will increase as interest rates fall and decrease as interest rates rise. The Fund may be subject to a greater risk of rising interest rates due to the recent period of historically low interest rates. For example, if interest rates increase by 1%, assuming a current portfolio duration of ten years, and all other factors being equal, the value of the Fund's investments would be expected to decrease by 10%. (Duration is a measure of the price sensitivity of a debt security or portfolio of debt securities to relative changes in interest rates.) The magnitude of these fluctuations in the market price of bonds and other fixed-income securities is generally greater for those securities with longer maturities. Fluctuations in the market price of the Fund's investments will not affect interest income derived from instruments already owned by the Fund, but will be reflected in the Fund's net asset value. The Fund may lose money if short-term or long-term interest rates rise sharply in a manner not anticipated by Fund management. To the extent the Fund invests in debt securities that may be prepaid at the option of the obligor (such as mortgage-backed securities), the sensitivity of such securities to changes in interest rates may increase (to the detriment of the Fund) when interest rates rise. Moreover, because rates on certain floating rate debt securities typically reset only periodically, changes in prevailing interest rates (and particularly sudden and significant changes) can be expected to cause some fluctuations in the net asset value of the Fund to the extent that it invests in floating rate debt securities. These basic principles of bond prices also apply to U.S. Government securities. A security backed by the "full faith and credit" of the U.S. Government is guaranteed only as to its stated interest rate and face value at maturity, not its current market price. Just like other fixed-income securities, government-guaranteed securities will fluctuate in value when interest rates change.

The Federal Reserve has recently begun to raise the federal funds rate as part of its efforts to address rising inflation. There is a risk that interest rates will continue to rise, which will likely drive down the prices of bonds and other fixed-income securities. A general rise in interest rates has the potential to cause investors to move out of fixed-income securities on a large scale, which may increase redemptions from mutual funds that hold large amounts of fixed-income securities. Heavy redemptions could cause the Fund to sell assets at inopportune times or at a loss or depressed value and could hurt the Fund's performance.

During periods of very low or negative interest rates, the Fund may be unable to maintain positive returns. Certain countries have recently experienced negative interest rates on certain fixed-income instruments. Very low or negative interest rates may magnify interest rate risk. Changing interest rates, including rates that fall below zero, may have unpredictable effects on markets, may result in heightened market volatility and may detract from Fund performance to the extent the Fund is exposed to such interest rates.

Credit Risk — Credit risk refers to the possibility that the issuer of a debt security (i.e., the borrower) will not be able to make payments of interest and principal when due. Changes in an issuer's credit rating or the market's perception of an issuer's creditworthiness may also affect the value of the Fund's investment in that issuer. The degree of credit risk depends on both the financial condition of the issuer and the terms of the obligation.

Extension Risk — When interest rates rise, certain obligations will be paid off by the obligor more slowly than anticipated, causing the value of these obligations to fall. Rising interest rates tend to extend the duration of securities, making them more sensitive to changes in interest rates. The value of longer-term securities generally changes more in response to changes in interest rates than shorter-term securities. As a result, in a period of rising interest rates, securities may exhibit additional volatility and may lose value.

Prepayment Risk — When interest rates fall, certain obligations will be paid off by the obligor more quickly than originally anticipated, and the Fund may have to invest the proceeds in securities with lower yields. In periods of falling interest rates, the rate of prepayments tends to increase (as does price fluctuation) as borrowers are motivated to pay off debt and refinance at new lower rates. During such periods, reinvestment of the prepayment proceeds by the management team will generally be at lower rates of return than the return on the assets that were prepaid. Prepayment reduces the yield to maturity and the average life of the security.

Derivatives Risk — The Fund's use of derivatives may increase its costs, reduce the Fund's returns and/or increase volatility. Derivatives involve significant risks, including:

Leverage Risk — The Fund's use of derivatives can magnify the Fund's gains and losses. Relatively small market movements may result in large changes in the value of a derivatives position and can result in losses that greatly exceed the amount originally invested.

Market Risk — Some derivatives are more sensitive to interest rate changes and market price fluctuations than other securities. The Fund could also suffer losses related to its derivatives positions as a result of unanticipated market movements, which losses are potentially unlimited. Finally, BlackRock may not be able to predict correctly the direction of securities prices, interest rates and other economic factors, which could cause the Fund's derivatives positions to lose value.

Counterparty Risk — Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will be unable or unwilling to fulfill its contractual obligation, and the related risks of having concentrated exposure to such a counterparty.

Illiquidity Risk — The possible lack of a liquid secondary market for derivatives and the resulting inability of the Fund to sell or otherwise close a derivatives position could expose the Fund to losses and could make derivatives more difficult for the Fund to value accurately.

Operational Risk — The use of derivatives includes the risk of potential operational issues, including documentation issues, settlement issues, systems failures, inadequate controls and human error.

Legal Risk — The risk of insufficient documentation, insufficient capacity or authority of counterparty, or legality or enforceability of a contract.

Volatility and Correlation Risk — The Fund's use of derivatives may reduce the Fund's returns and/or increase volatility. Volatility is defined as the characteristic of a security, an index or a market to fluctuate significantly in price within a short time period. A risk of the Fund's use of derivatives is that the fluctuations in their values may not correlate with the overall securities markets.

Valuation Risk — Valuation for derivatives may not be readily available in the market. Valuation may be more difficult in times of market turmoil since many investors and market makers may be reluctant to purchase complex instruments or quote prices for them. Derivatives may also expose the Fund to greater risk and increase its costs. Certain transactions in derivatives involve substantial leverage risk and may expose the Fund to potential losses that exceed the amount originally invested by the Fund.

Hedging Risk — When a derivative is used as a hedge against a position that the Fund holds, any loss generated by the derivative generally should be substantially offset by gains on the hedged investment, and vice versa. While hedging can reduce or eliminate losses, it can also reduce or eliminate gains. Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that the Fund's hedging transactions will be effective. The use of hedging may result in certain adverse tax consequences noted below.

Tax Risk — The federal income tax treatment of a derivative may not be as favorable as a direct investment in an underlying asset and may adversely affect the timing, character and amount of income the Fund realizes from its investments. As a result, a larger portion of the Fund's distributions may be treated as ordinary income rather than capital gains. In addition, certain derivatives are subject to mark-to-market or straddle provisions of the Internal Revenue Code of 1986, as amended (the "Internal Revenue Code"). If such provisions are applicable, there could be an increase (or decrease) in the amount of taxable dividends paid by the Fund. In addition, the tax treatment of certain derivatives, such as swaps, is unsettled and may be subject to future legislation, regulation or administrative pronouncements issued by the Internal Revenue Service (the "IRS").

Regulatory Risk — Derivative contracts are subject to regulation under the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Dodd-Frank Act") in the United States and under comparable regimes in Europe, Asia and other non-U.S. jurisdictions. Under the Dodd-Frank Act, with respect to uncleared swaps, swap dealers are required to collect variation margin from the Fund and may be required by applicable regulations to collect initial margin from the Fund. Both initial and variation margin may be comprised of cash and/or securities, subject to applicable regulatory haircuts. Shares of investment companies (other than certain money market funds) may not be posted as collateral under applicable regulations. In addition, regulations adopted by global prudential regulators that are now in effect require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many derivatives contracts, terms that delay or restrict the rights of counterparties, such as the Fund, to terminate such contracts, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. The implementation of these requirements with respect to derivatives, as well as regulations under the Dodd-Frank Act regarding clearing, mandatory trading and margining of other derivatives, may increase the costs and risks to the Fund of trading in these instruments and, as a result, may affect returns to investors in the Fund.

Future regulatory developments may impact the Fund's ability to invest or remain invested in certain derivatives. Legislation or regulation may also change the way in which the Fund itself is regulated. BlackRock cannot predict the effects of any new governmental regulation that may be implemented on the ability of the Fund to use swaps or any other financial derivative product, and there can be no assurance that any new governmental regulation will not adversely affect the Fund's ability to achieve its investment objective.

Risks Specific to Certain Derivatives Used by the Fund

Swaps – Swap agreements, including total return swaps that may be referred to as contracts for difference, are two-party contracts entered into for periods ranging from a few weeks to more than one year. In a standard “swap” transaction, two parties agree to exchange the returns (or differentials in rates of return) earned or realized on particular predetermined investments or instruments, which can be adjusted for an interest factor. Swap agreements involve the risk that the party with whom the Fund has entered into the swap will default on its obligation to pay the Fund and the risk that the Fund will not be able to meet its obligations to pay the other party to the agreement. Swap agreements may also involve the risk that there is an imperfect correlation between the return on the Fund’s obligation to its counterparty and the return on the referenced asset. In addition, swap agreements are subject to market and illiquidity risk, leverage risk and hedging risk.

Credit Default Swaps – Credit default swaps may have as reference obligations one or more securities that are not currently held by the Fund. The protection “buyer” may be obligated to pay the protection “seller” an up-front payment or a periodic stream of payments over the term of the contract, provided generally that no credit event on a reference obligation has occurred. Credit default swaps involve special risks in addition to those mentioned above because they are difficult to value, are highly susceptible to illiquid investments risk and credit risk, and generally pay a return to the party that has paid the premium only in the event of an actual default by the issuer of the underlying obligation (as opposed to a credit downgrade or other indication of financial difficulty).

Forward Foreign Currency Exchange Contracts – Forward foreign currency exchange transactions are over-the-counter contracts to purchase or sell a specified amount of a specified currency or multinational currency unit at a price and future date set at the time of the contract. Forward foreign currency exchange contracts do not eliminate fluctuations in the value of non-U.S. securities but rather allow the Fund to establish a fixed rate of exchange for a future point in time. This strategy can have the effect of reducing returns and minimizing opportunities for gain.

Futures – Futures are standardized, exchange-traded contracts that obligate a purchaser to take delivery, and a seller to make delivery, of a specific amount of an asset at a specified future date at a specified price. The primary risks associated with the use of futures contracts and options are: (a) the imperfect correlation between the change in market value of the instruments held by the Fund and the price of the futures contract or option; (b) the possible lack of a liquid secondary market for a futures contract and the resulting inability to close a futures contract when desired; (c) losses caused by unanticipated market movements, which are potentially unlimited; (d) the investment adviser’s inability to predict correctly the direction of securities prices, interest rates, currency exchange rates and other economic factors; and (e) the possibility that the counterparty will default in the performance of its obligations.

Options – 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 asset (or settle for cash in 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. Investments in options are considered speculative. When the Fund purchases an option, it may lose the total premium paid for it if the price of the underlying security or other assets decreased, remained the same or failed to increase to a level at or beyond the exercise price (in the case of a call option) or increased, remained the same or failed to decrease to a level at or below the exercise price (in the case of a put option). If a put or call option purchased by the Fund were permitted to expire without being sold or exercised, its premium would represent a loss to the Fund. To the extent that the Fund writes or sells an option, if the decline or increase in the underlying asset is significantly below or above the exercise price of the written option, the Fund could experience a substantial loss.

Distressed Securities Risk — Distressed securities are speculative and involve substantial risks in addition to the risks of investing in junk bonds. The Fund will generally not receive interest payments on the distressed securities and may incur costs to protect its investment. In addition, distressed securities involve the substantial risk that principal will not be repaid. These securities may present a substantial risk of default or may be in default at the time of investment. The Fund may incur additional expenses to the extent it is required to seek recovery upon a default in the payment of principal or interest on its portfolio holdings. In any reorganization or liquidation proceeding relating to a portfolio company, the Fund may lose its entire investment or may be required to accept cash or securities with a value less than its original investment. Distressed securities and any securities received in an exchange for such securities may be subject to restrictions on resale.

Dollar Rolls Risk — A dollar roll transaction involves a sale by the Fund of a mortgage-backed, U.S. Treasury or other security (as permitted by the Fund’s investment strategies) concurrently with an agreement by the Fund to repurchase a similar security at a later date at an agreed-upon price. The market value of the securities the Fund is required to purchase may decline below the agreed upon repurchase price of those securities. If the broker/dealer to whom the Fund sells securities becomes insolvent, the Fund’s right to purchase or repurchase securities may be restricted. Successful use of dollar rolls may depend upon the adviser’s ability to correctly predict interest rates and prepayments, depending on the underlying security. There is no assurance that dollar rolls can be successfully employed.

Emerging Markets Risk — The risks of foreign investments are usually much greater for emerging markets. Investments in emerging markets may be considered speculative. Emerging markets may include those in countries considered emerging or developing by the World Bank, the International Finance Corporation or the United Nations. Emerging markets are riskier than more developed markets because they tend to develop unevenly and may never fully develop. They are more likely to experience hyperinflation and currency devaluations, which adversely affect returns to U.S. investors. In addition, many emerging markets have far lower trading volumes and less liquidity than developed markets. Since these markets are often small, they may be more likely to suffer sharp and frequent price changes or long-term price depression because of adverse publicity, investor perceptions or the actions of a few large investors. In addition, traditional measures of investment value used in the United States, such as price to earnings ratios, may not apply to certain small markets. Also, there may be less publicly available information about issuers in emerging markets than would be available about issuers in more developed capital markets, and such issuers may not be subject to accounting, auditing and financial reporting standards and requirements comparable to those to which U.S. companies are subject.

Many emerging markets have histories of political instability and abrupt changes in policies. As a result, their governments are more likely to take actions that are hostile or detrimental to private enterprise or foreign investment than those of more developed countries, including expropriation of assets, confiscatory taxation, high rates of inflation or unfavorable diplomatic developments. In the past, governments of such nations have expropriated substantial amounts of private property, and most claims of the property owners have never been fully settled. There is no assurance that such expropriations will not reoccur. In such an event, it is possible that the Fund could lose the entire value of its investments in the affected market. Some countries have pervasive corruption and crime that may hinder investments. Certain emerging markets may also face other significant internal or external risks, including the risk of war, and ethnic, religious and racial conflicts. In addition, governments in many emerging market countries participate to a significant degree in their economies and securities markets, which may impair investment and economic growth. National policies that may limit the Fund's investment opportunities include restrictions on investment in issuers or industries deemed sensitive to national interests.

Emerging markets may also have differing legal systems and the existence or possible imposition of exchange controls, custodial restrictions or other foreign or U.S. governmental laws or restrictions applicable to such investments. Sometimes, they may lack or be in the relatively early development of legal structures governing private and foreign investments and private property. Many emerging markets do not have income tax treaties with the United States, and as a result, investments by the Fund may be subject to higher withholding taxes in such countries. In addition, some countries with emerging markets may impose differential capital gains taxes on foreign investors.

Practices in relation to settlement of securities transactions in emerging markets involve higher risks than those in developed markets, in part because the Fund will need to use brokers and counterparties that are less well capitalized, and custody and registration of assets in some countries may be unreliable. The possibility of fraud, negligence, undue influence being exerted by the issuer or refusal to recognize ownership exists in some emerging markets, and, along with other factors, could result in ownership registration being completely lost. The Fund would absorb any loss resulting from such registration problems and may have no successful claim for compensation. In addition, communications between the United States and emerging market countries may be unreliable, increasing the risk of delayed settlements or losses of security certificates.

Foreign Securities Risk — Securities traded in foreign markets have often (though not always) performed differently from securities traded in the United States. However, such investments often involve special risks not present in U.S. investments that can increase the chances that the Fund will lose money. In particular, the Fund is subject to the risk that because there may be fewer investors on foreign exchanges and a smaller number of securities traded each day, it may be more difficult for the Fund to buy and sell securities on those exchanges. In addition, prices of foreign securities may go up and down more than prices of securities traded in the United States.

Certain Risks of Holding Fund Assets Outside the United States — The Fund generally holds its foreign securities and cash in foreign banks and securities depositories. Some foreign banks and securities depositories may be recently organized or new to the foreign custody business. In addition, there may be limited or no regulatory oversight of their operations. Also, the laws of certain countries limit the Fund's ability to recover its assets if a foreign bank, depository or issuer of a security, or any of their agents, goes bankrupt. In addition, it is often more expensive for the Fund to buy, sell and hold securities in certain foreign markets than in the United States. The increased expense of investing in foreign markets reduces the amount the Fund can earn on its investments and typically results in a higher operating expense ratio for the Fund than for investment companies invested only in the United States.

Currency Risk — Securities and other instruments in which the Fund invests may be denominated or quoted in currencies other than the U.S. dollar. For this reason, changes in foreign currency exchange rates can affect the value of the Fund's portfolio.

Generally, when the U.S. dollar rises in value against a foreign currency, a security denominated in that currency loses value because the currency is worth fewer U.S. dollars. Conversely, when the U.S. dollar decreases in value against a

foreign currency, a security denominated in that currency gains value because the currency is worth more U.S. dollars. This risk, generally known as “currency risk,” means that a strong U.S. dollar will reduce returns for U.S. investors while a weak U.S. dollar will increase those returns.

Should the Fund invest in a debt security denominated in U.S. dollars and issued by an issuer whose functional currency is a currency other than the U.S. dollar, and such currency decreases in value against the U.S. dollar, such issuer’s ability to repay its obligation under the U.S. dollar-denominated security may be negatively impacted.

Foreign Economy Risk — The economies of certain foreign markets may not compare favorably with the economy of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources and balance of payments position. Certain foreign economies may rely heavily on particular industries or foreign capital and are more vulnerable to diplomatic developments, the imposition of economic sanctions against a particular country or countries, changes in international trading patterns, trade barriers and other protectionist or retaliatory measures. Investments in foreign markets may also be adversely affected by governmental actions such as the imposition of capital controls, nationalization of companies or industries, expropriation of assets or the imposition of punitive taxes. In addition, economic conditions, such as volatile currency exchange rates and interest rates, political events, military action and other conditions may, without prior warning, lead to the governments of certain countries, or the U.S. Government with respect to certain countries, prohibiting or imposing substantial restrictions through capital controls and/or sanctions on foreign investments in the capital markets or certain industries in those countries. Capital controls and/or sanctions may include the prohibition of, or restrictions on, the ability to own or transfer currency, securities, derivatives or other assets and may also include retaliatory actions of one government against another government, such as seizure of assets. Any of these actions could severely impair the Fund’s ability to purchase, sell, transfer, receive, deliver or otherwise obtain exposure to foreign securities and assets, including the ability to transfer the Fund’s assets or income back into the United States, and could negatively impact the value and/or liquidity of such assets or otherwise adversely affect the Fund’s operations, causing the Fund to decline in value.

Other potential foreign market risks include foreign exchange controls, difficulties in pricing securities, defaults on foreign government securities, difficulties in enforcing legal judgments in foreign courts and political and social instability. Diplomatic and political developments, including rapid and adverse political changes, social instability, regional conflicts, terrorism and war, could affect the economies, industries and securities and currency markets, and the value of the Fund’s investments, in non-U.S. countries. These factors are extremely difficult, if not impossible, to predict and take into account with respect to the Fund’s investments.

Governmental Supervision and Regulation/Accounting Standards — Many foreign governments do not supervise and regulate stock exchanges, brokers and the sale of securities to the same extent as such regulations exist in the United States. They also may not have laws to protect investors that are comparable to U.S. securities laws. For example, some foreign countries may have no laws or rules against insider trading. Insider trading occurs when a person buys or sells a company’s securities based on material non-public information about that company. In addition, some countries may have legal systems that may make it difficult for the Fund to vote proxies, exercise shareholder rights, and pursue legal remedies with respect to its foreign investments. Accounting standards in other countries are not necessarily the same as in the United States. If the accounting standards in another country do not require as much detail as U.S. accounting standards, it may be harder for Fund management to completely and accurately determine a company’s financial condition.

Settlement Risk — Settlement and clearance procedures in certain foreign markets differ significantly from those in the United States. Foreign settlement and clearance procedures and trade regulations also may involve certain risks (such as delays in payment for or delivery of securities) not typically associated with the settlement of U.S. investments.

At times, settlements in certain foreign countries have not kept pace with the number of securities transactions. These problems may make it difficult for the Fund to carry out transactions. If the Fund cannot settle or is delayed in settling a purchase of securities, it may miss attractive investment opportunities and certain of its assets may be uninvested with no return earned thereon for some period. If the Fund cannot settle or is delayed in settling a sale of securities, it may lose money if the value of the security then declines or, if it has contracted to sell the security to another party, the Fund could be liable for any losses incurred.

Withholding Tax Reclaims Risk — The Fund may file claims to recover foreign withholding taxes on dividend and interest income (if any) received from issuers in certain countries and capital gains on the disposition of stocks or securities where such withholding tax reclaim is possible. Whether or when the Fund will receive a withholding tax refund is within the control of the tax authorities in such countries. Where the Fund expects to recover withholding taxes, the net asset value of the Fund generally includes accruals for such tax refunds. The Fund regularly evaluates the probability of recovery. If the likelihood of recovery materially decreases, due to, for example, a change in tax regulation or approach in the foreign country, accruals in the Fund’s net asset value for such refunds may be written down partially or in full, which will adversely affect the Fund’s net asset value. Shareholders in the Fund at the time an accrual is written down will bear the impact of the resulting reduction in net asset value regardless of whether they were shareholders during the accrual period. Conversely, if the Fund receives a tax refund that has not been previously

accrued, shareholders in the Fund at the time of the successful recovery will benefit from the resulting increase in the Fund's net asset value. Shareholders who sold their shares prior to such time will not benefit from such increase in the Fund's net asset value.

European Economic Risk — The European financial markets have recently experienced volatility and adverse trends due to concerns about economic downturns in, or rising government debt levels of several European countries as well as acts of war in the region. These events may spread to other countries in Europe and may affect the value and liquidity of certain of the Fund's investments.

Responses to the financial problems by European governments, central banks and others, including austerity measures and reforms, may not work, may result in social unrest and may limit future growth and economic recovery or have other unintended consequences. Further defaults or restructurings by governments and others of their debt could have additional adverse effects on economies, financial markets and asset valuations around the world.

The United Kingdom has withdrawn from the European Union, and one or more other countries may withdraw from the European Union and/or abandon the Euro, the common currency of the European Union. These events and actions have adversely affected, and may in the future adversely affect, the value and exchange rate of the Euro and may continue to significantly affect the economies of every country in Europe, including countries that do not use the Euro and non-European Union member states. The impact of these actions, especially if they occur in a disorderly fashion, is not clear but could be significant and far reaching. In addition, Russia launched a large-scale invasion of Ukraine on February 24, 2022. The extent and duration of the military action, resulting sanctions and resulting future market disruptions in the region are impossible to predict, but could be significant and have a severe adverse effect on the region, including significant negative impacts on the economy and the markets for certain securities and commodities, such as oil and natural gas, as well as other sectors.

High Portfolio Turnover Risk — The Fund may engage in active and frequent trading of its portfolio securities. High portfolio turnover (more than 100%) may result in increased transaction costs to the Fund, including brokerage commissions, dealer mark-ups and other transaction costs on the sale of the securities and on reinvestment in other securities. The sale of Fund portfolio securities may result in the realization and/or distribution to shareholders of higher capital gains or losses as compared to a fund with less active trading policies. These effects of higher than normal portfolio turnover may adversely affect Fund performance.

Illiquid Investments Risk — The Fund may not acquire any illiquid investment if, immediately after the acquisition, the Fund would have invested more than 15% of its net assets in illiquid investments. An illiquid investment is any investment that the Fund reasonably expects cannot be sold or disposed of in current market conditions in seven calendar days or less without the sale or disposition significantly changing the market value of the investment. Liquid investments may become illiquid after purchase by the Fund, particularly during periods of market turmoil. There can be no assurance that a security or instrument that is deemed to be liquid when purchased will continue to be liquid for as long as it is held by the Fund, and any security or instrument held by the Fund may be deemed an illiquid investment pursuant to the Fund's liquidity risk management program. The Fund's illiquid investments may reduce the returns of the Fund because it may be difficult to sell the illiquid investments at an advantageous time or price. In addition, if the Fund is limited in its ability to sell illiquid investments during periods when shareholders are redeeming their shares, the Fund will need to sell liquid securities to meet redemption requests and illiquid securities will become a larger portion of the Fund's holdings. An investment may be illiquid due to, among other things, the reduced number and capacity of traditional market participants to make a market in fixed-income securities or the lack of an active trading market. To the extent that the Fund's principal investment strategies involve derivatives or securities with substantial market and/or credit risk, the Fund will tend to have the greatest exposure to the risks associated with illiquid investments. Illiquid investments may be harder to value, especially in changing markets, and if the Fund is forced to sell these investments to meet redemption requests or for other cash needs, the Fund may suffer a loss. This may be magnified in a rising interest rate environment or other circumstances where investor redemptions from fixed-income mutual funds may be higher than normal. In addition, when there is illiquidity in the market for certain securities, the Fund, due to limitations on illiquid investments, may be subject to purchase and sale restrictions.

Indexed Securities Risk — Indexed securities provide a potential return based on a particular index of value or interest rates. The Fund's return on these securities will be subject to risk with respect to the value of the particular index. These securities are subject to leverage risk and correlation risk. Certain indexed securities have greater sensitivity to changes in interest rates or index levels than other securities, and the Fund's investment in such instruments may decline significantly in value if interest rates or index levels move in a way Fund management does not anticipate.

Junk Bonds Risk — Although junk bonds generally pay higher rates of interest than investment grade bonds, junk bonds are high risk investments that are considered speculative and may cause income and principal losses for the Fund. The major risks of junk bond investments include:

- Junk bonds may be issued by less creditworthy issuers. Issuers of junk bonds may have a larger amount of outstanding debt relative to their assets than issuers of investment grade bonds. In the event of an issuer's bankruptcy, claims of other creditors may have priority over the claims of junk bond holders, leaving few or no assets available to repay junk bond holders.

- Prices of junk bonds are subject to extreme price fluctuations. Adverse changes in an issuer's industry and general economic conditions may have a greater impact on the prices of junk bonds than on other higher rated fixed-income securities.
- Issuers of junk bonds may be unable to meet their interest or principal payment obligations because of an economic downturn, specific issuer developments, or the unavailability of additional financing.
- Junk bonds frequently have redemption features that permit an issuer to repurchase the security from the Fund before it matures. If the issuer redeems junk bonds, the Fund may have to invest the proceeds in bonds with lower yields and may lose income.
- Junk bonds may be less liquid than higher rated fixed-income securities, even under normal economic conditions. There are fewer dealers in the junk bond market, and there may be significant differences in the prices quoted for junk bonds by the dealers. Because they are less liquid than higher rated fixed-income securities, judgment may play a greater role in valuing junk bonds than is the case with securities trading in a more liquid market.
- The Fund may incur expenses to the extent necessary to seek recovery upon default or to negotiate new terms with a defaulting issuer.

The credit rating of a high yield security does not necessarily address its market value risk. Ratings and market value may change from time to time, positively or negatively, to reflect new developments regarding the issuer.

Leverage Risk — Some transactions may give rise to a form of economic leverage. These transactions may include, among others, derivatives, and may expose the Fund to greater risk and increase its costs. As an open-end investment company registered with the Securities and Exchange Commission (the "SEC"), the Fund is subject to the federal securities laws, including the Investment Company Act of 1940, as amended (the "Investment Company Act") and the rules thereunder. Under Rule 18f-4 under the Investment Company Act, among other things, the Fund must either use derivatives in a limited manner or comply with an outer limit on fund leverage risk based on value-at-risk. The use of leverage may cause the Fund to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet the applicable requirements of the Investment Company Act and the rules thereunder. Increases and decreases in the value of the Fund's portfolio will be magnified when the Fund uses leverage.

Market Risk and Selection Risk — Market risk is the risk that one or more markets in which the Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. The value of a security or other asset may decline due to changes in general market conditions, economic trends or events that are not specifically related to the issuer of the security or other asset, or factors that affect a particular issuer or issuers, exchange, country, group of countries, region, market, industry, group of industries, sector or asset class. Local, regional or global events such as war, acts of terrorism, the spread of infectious illness or other public health issues like pandemics or epidemics, recessions, or other events could have a significant impact on the Fund and its investments. Selection risk is the risk that the securities selected by Fund management will underperform the markets, the relevant indices or the securities selected by other funds with similar investment objectives and investment strategies. This means you may lose money.

An outbreak of an infectious coronavirus (COVID-19) that was first detected in December 2019 developed into a global pandemic that has resulted in numerous disruptions in the market and has had significant economic impact leaving general concern and uncertainty. Although vaccines have been developed and approved for use by various governments, the duration of the pandemic and its effects cannot be predicted with certainty. The impact of this coronavirus, and other epidemics and pandemics that may arise in the future, could affect the economies of many nations, individual companies and the market in general ways that cannot necessarily be foreseen at the present time.

Mezzanine Securities Risk — Mezzanine securities generally are rated below investment grade and frequently are unrated and present many of the same risks as senior loans, second lien loans and non-investment grade bonds. However, unlike senior loans and second lien loans, mezzanine securities are not a senior or secondary secured obligation of the related borrower. They typically are the most subordinated debt obligation in an issuer's capital structure. Mezzanine securities also may often be unsecured. Mezzanine securities therefore are subject to the additional risk that the cash flow of the related borrower and the property securing the loan may be insufficient to repay the scheduled obligation after giving effect to any senior obligations of the related borrower. Mezzanine securities will be subject to certain additional risks to the extent that such loans may not be protected by financial covenants or limitations upon additional indebtedness. Investment in mezzanine securities is a highly specialized investment practice that depends more heavily on independent credit analysis than investments in other types of debt obligations.

Mortgage- and Asset-Backed Securities Risks — Mortgage-backed securities (residential and commercial) and asset-backed securities represent interests in "pools" of mortgages or other assets, including consumer loans or receivables held in trust. Although asset-backed and commercial mortgage-backed securities ("CMBS") generally experience less prepayment than residential mortgage-backed securities, mortgage-backed and asset-backed securities, like traditional fixed-income securities, are subject to credit, interest rate, prepayment and extension risks.

Small movements in interest rates (both increases and decreases) may quickly and significantly reduce the value of certain mortgage-backed securities. The Fund's investments in asset-backed securities are subject to risks similar to those associated with mortgage-related securities, as well as additional risks associated with the nature of the assets and the servicing of those assets. These securities also are subject to the risk of default on the underlying mortgages or assets, particularly during periods of economic downturn. Certain CMBS are issued in several classes with different levels of yield and credit protection. The Fund's investments in CMBS with several classes may be in the lower classes that have greater risks than the higher classes, including greater interest rate, credit and prepayment risks.

Mortgage-backed securities may be either pass-through securities or collateralized mortgage obligations ("CMOs"). Pass-through securities represent a right to receive principal and interest payments collected on a pool of mortgages, which are passed through to security holders. CMOs are created by dividing the principal and interest payments collected on a pool of mortgages into several revenue streams ("tranches") with different priority rights to portions of the underlying mortgage payments. Certain CMO tranches may represent a right to receive interest only ("IOs"), principal only ("POs") or an amount that remains after floating-rate tranches are paid (an "inverse floater").

These securities are frequently referred to as "mortgage derivatives" and may be extremely sensitive to changes in interest rates. Interest rates on inverse floaters, for example, vary inversely with a short-term floating rate (which may be reset periodically). Interest rates on inverse floaters will decrease when short-term rates increase, and will increase when short-term rates decrease. These securities have the effect of providing a degree of investment leverage. In response to changes in market interest rates or other market conditions, the value of an inverse floater may increase or decrease at a multiple of the increase or decrease in the value of the underlying securities. If the Fund invests in CMO tranches (including CMO tranches issued by government agencies) and interest rates move in a manner not anticipated by Fund management, it is possible that the Fund could lose all or substantially all of its investment. Certain mortgage-backed securities in which the Fund may invest may also provide a degree of investment leverage, which could cause the Fund to lose all or substantially all of its investment.

The mortgage market in the United States has experienced difficulties that may adversely affect the performance and market value of certain of the Fund's mortgage-related investments. Delinquencies and losses on mortgage loans (including subprime and second-lien mortgage loans) generally have increased and may continue to increase, and a decline in or flattening of real estate values (as has been experienced and may continue to be experienced in many housing markets) may exacerbate such delinquencies and losses. Also, a number of mortgage loan originators have experienced serious financial difficulties or bankruptcy. Reduced investor demand for mortgage loans and mortgage-related securities and increased investor yield requirements have caused limited liquidity in the secondary market for mortgage-related securities, which can adversely affect the market value of mortgage-related securities. It is possible that such limited liquidity in such secondary markets could continue or worsen.

Asset-backed securities entail certain risks not presented by mortgage-backed securities, including the risk that in certain states it may be difficult to perfect the liens securing the collateral backing certain asset-backed securities. In addition, certain asset-backed securities are based on loans that are unsecured, which means that there is no collateral to seize if the underlying borrower defaults.

Preferred Securities Risk — Preferred securities may pay fixed or adjustable rates of return. Preferred securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company's preferred securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company's financial condition or prospects. Preferred securities of smaller companies may be more vulnerable to adverse developments than preferred securities of larger companies.

Repurchase Agreements and Purchase and Sale Contracts Risk — If the other party to a repurchase agreement or purchase and sale contract defaults on its obligation under the agreement, the Fund may suffer delays and incur costs or lose money in exercising its rights under the agreement. If the seller fails to repurchase the security in either situation and the market value of the security declines, the Fund may lose money.

Reverse Repurchase Agreements Risk — Reverse repurchase agreements involve the sale of securities held by the Fund with an agreement to repurchase the securities at an agreed-upon price, date and interest payment. Reverse repurchase agreements involve the risk that the other party may fail to return the securities in a timely manner or at all. The Fund could lose money if it is unable to recover the securities and the value of the collateral held by the Fund, including the value of the investments made with cash collateral, is less than the value of the securities. These events could also trigger adverse tax consequences for the Fund. In addition, reverse repurchase agreements involve the risk that the interest income earned in the investment of the proceeds will be less than the interest expense.

Risk of Investing in the United States — A decrease in imports or exports, changes in trade regulations, inflation and/or an economic recession in the United States may have a material adverse effect on the U.S. economy and the securities listed on U.S. exchanges. Proposed and adopted policy and legislative changes in the United States are changing many aspects of financial, commercial, public health, environmental, and other regulation and may have a significant effect on U.S. markets generally, as well as on the value of certain securities. Governmental agencies

project that the United States will continue to maintain elevated public debt levels for the foreseeable future. Although elevated debt levels do not necessarily indicate or cause economic problems, elevated public debt service costs may constrain future economic growth.

The United States has developed increasingly strained relations with a number of foreign countries. If relations with certain countries deteriorate, it could adversely affect U.S. issuers as well as non-U.S. issuers that rely on the United States for trade. The United States has also experienced increased internal unrest and discord, as well as significant challenges in managing and containing the outbreak of COVID-19. If these trends were to continue, it may have an adverse impact on the U.S. economy and the issuers in which the Fund invests.

The Fund may also be subject to certain other non-principal risks associated with its investments and investment strategies, including:

Cyber Security Risk — Failures or breaches of the electronic systems of the Fund, the Fund’s adviser, distributor, and other service providers, or the issuers of securities in which the Fund invests have the ability to cause disruptions and negatively impact the Fund’s business operations, potentially resulting in financial losses to the Fund and its shareholders. While the Fund has established business continuity plans and risk management systems seeking to address system breaches or failures, there are inherent limitations in such plans and systems. Furthermore, the Fund cannot control the cyber security plans and systems of the Fund’s service providers or issuers of securities in which the Fund invests.

Equity Securities Risk — Common and preferred stocks represent equity ownership in a company. Stock markets are volatile. The price of equity securities will fluctuate and can decline and reduce the value of a portfolio investing in equities. The value of equity securities purchased by the Fund could decline if the financial condition of the companies the Fund invests in declines or if overall market and economic conditions deteriorate. The value of equity securities may also decline due to factors that affect a particular industry or industries, such as labor shortages or an increase in production costs and competitive conditions within an industry. In addition, the value may decline due to general market conditions that are not specifically related to a company or industry, such as real or perceived adverse economic conditions, changes in the general outlook for corporate earnings, changes in interest or currency rates or generally adverse investor sentiment.

Expense Risk — Fund expenses are subject to a variety of factors, including fluctuations in the Fund’s net assets. Accordingly, actual expenses may be greater or less than those indicated. For example, to the extent that the Fund’s net assets decrease due to market declines or redemptions, the Fund’s expenses will increase as a percentage of Fund net assets. During periods of high market volatility, these increases in the Fund’s expense ratio could be significant.

Investment in Other Investment Companies Risk — As with other investments, investments in other investment companies, including ETFs, are subject to market and selection risk. In addition, if the Fund acquires shares of investment companies, including ones affiliated with the Fund, shareholders bear both their proportionate share of expenses in the Fund (including management and advisory fees) and, indirectly, the expenses of the investment companies (to the extent not offset by BlackRock through waivers). To the extent the Fund is held by an affiliated fund, the ability of the Fund itself to hold other investment companies may be limited.

Large Shareholder and Large-Scale Redemption Risk — Certain shareholders, including a third-party investor, the Fund’s adviser or an affiliate of the Fund’s adviser, or another entity, may from time to time own or manage a substantial amount of Fund shares or may invest in the Fund and hold its investment for a limited period of time. There can be no assurance that any large shareholder or large group of shareholders would not redeem their investment or that the size of the Fund would be maintained. Redemptions of a large number of Fund shares by these shareholders may adversely affect the Fund’s liquidity and net assets. These redemptions may force the Fund to sell portfolio securities to meet redemption requests when it might not otherwise do so, which may negatively impact the Fund’s NAV and increase the Fund’s brokerage costs and/or accelerate the realization of taxable income and cause the Fund to make taxable distributions to its shareholders earlier than the Fund otherwise would have. In addition, under certain circumstances, non-redeeming shareholders may be treated as receiving a disproportionately large taxable distribution during or with respect to such tax year. The Fund also may be required to sell its more liquid Fund investments to meet a large redemption, in which case the Fund’s remaining assets may be less liquid, more volatile, and more difficult to price. In addition, large redemptions can result in the Fund’s current expenses being allocated over a smaller asset base, which generally results in an increase in the Fund’s expense ratio. Because large redemptions can adversely affect a portfolio manager’s ability to implement a fund’s investment strategy, the Fund also reserves the right to redeem in-kind, subject to certain conditions. In addition, large purchases of Fund shares may adversely affect the Fund’s performance to the extent that the Fund is delayed in investing new cash and is required to maintain a larger cash position than it ordinarily would, diluting its investment returns.

LIBOR Risk — The Fund may be exposed to financial instruments that are tied to the London Interbank Offered Rate (“LIBOR”) to determine payment obligations, financing terms, hedging strategies or investment value.

The United Kingdom's Financial Conduct Authority announced a phase out of LIBOR such that after June 30, 2023, the overnight, 1-month, 3-month, 6-month and 12-month U.S. dollar LIBOR settings will cease to be published or will no longer be representative. All other LIBOR settings and certain other interbank offered rates, such as the Euro Overnight Index Average ("EONIA"), ceased to be published or representative after December 31, 2021. The Secured Overnight Financing Rate ("SOFR") is a broad measure of the cost of borrowing cash overnight collateralized by U.S. Treasury securities in the repurchase agreement ("repo") market and has been used increasingly on a voluntary basis in new instruments and transactions. On December 16, 2022, the Federal Reserve Board adopted regulations implementing the Adjustable Interest Rate Act, which provides a statutory fallback mechanism to replace LIBOR, by identifying benchmark rates based on SOFR that will replace LIBOR in certain financial contracts after June 30, 2023. These regulations apply only to contracts governed by U.S. law, among other limitations. The regulations include provisions that (i) provide a safe harbor for selection or use of a replacement benchmark rate selected by the Federal Reserve Board; (ii) clarify who may choose the replacement benchmark rate selected by the Federal Reserve Board; and (iii) ensure that contracts adopting a replacement benchmark rate selected by the Federal Reserve Board will not be interrupted or terminated following the replacement of LIBOR.

Neither the effect of the LIBOR transition process nor its ultimate success can yet be known. While some existing LIBOR-based instruments may contemplate a scenario where LIBOR is no longer available by providing for an alternative rate-setting methodology, there may be significant uncertainty regarding the effectiveness of any such alternative methodologies to replicate LIBOR. Not all existing LIBOR-based instruments may have alternative rate-setting provisions and there remains uncertainty regarding the willingness and ability of issuers to add alternative rate-setting provisions in certain existing instruments. Parties to contracts, securities or other instruments using LIBOR may disagree on transition rates or the application of transition regulation, potentially resulting in uncertainty of performance and the possibility of litigation. The Fund may have instruments linked to other interbank offered rates that may also cease to be published in the future.

Valuation Risk — The price the Fund could receive upon the sale of any particular portfolio investment may differ from the Fund's valuation of the investment, particularly for securities that trade in thin or volatile markets or that are valued using a fair valuation methodology or a price provided by an independent pricing service. As a result, the price received upon the sale of an investment may be less than the value ascribed by the Fund, and the Fund could realize a greater than expected loss or lesser than expected gain upon the sale of the investment. Pricing services that value fixed-income securities generally utilize a range of market-based and security-specific inputs and assumptions, as well as considerations about general market conditions, to establish a price. Pricing services generally value fixed-income securities assuming orderly transactions of an institutional round lot size, but may be held or transactions may be conducted in such securities in smaller, odd lot sizes. Odd lots may trade at lower prices than institutional round lots. The Fund's ability to value its investments may also be impacted by technological issues and/or errors by pricing services or other third-party service providers.

When-Issued and Delayed Delivery Securities and Forward Commitments Risk — When-issued and delayed delivery securities and forward commitments involve the risk that the security the Fund buys will lose value prior to its delivery. There also is the risk that the security will not be issued or that the other party to the transaction will not meet its obligation. If this occurs, the Fund may lose both the investment opportunity for the assets it set aside to pay for the security and any gain in the security's price.

Financial Highlights

The Fund acquired all of the assets, subject to the liabilities, of BlackRock High Yield V.I. Fund, a series of BlackRock Variable Series Funds, Inc. (the “Predecessor Fund”), in a reorganization on September 17, 2018 (the “Reorganization”). Therefore, the Financial Highlights information presented for the Fund prior to the date of the Reorganization is the financial history of the Predecessor Fund. The Financial Highlights table is intended to help you understand the Fund’s financial performance for the periods shown. Certain information reflects the financial results for a single share. The total returns in the table represent the rate that a shareholder would have earned or lost on an investment in the Fund (assuming reinvestment of all dividends and/or distributions). The information has been audited by Deloitte & Touche LLP, whose report, along with the Fund’s financial statements, is included in the Fund’s Annual Report, which is available upon request.

(For a share outstanding throughout each period)	BlackRock High Yield V.I. Fund				
	Class I				
	Year Ended 12/31/22	Year Ended 12/31/21	Year Ended 12/31/20	Year Ended 12/31/19	Year Ended 12/31/18
Net asset value, beginning of year	\$ 7.59	\$ 7.56	\$ 7.43	\$ 6.80	\$ 7.39
Net investment income ^(a)	0.35	0.33	0.37	0.38	0.38
Net realized and unrealized gain (loss)	(1.13)	0.06	0.14	0.64	(0.57)
Net increase (decrease) from investment operations	(0.78)	0.39	0.51	1.02	(0.19)
Distributions^(b)					
From net investment income	(0.35)	(0.34)	(0.38)	(0.39)	(0.40)
From net realized gain	(0.01)	(0.02)	—	—	—
Total distributions	(0.36)	(0.36)	(0.38)	(0.39)	(0.40)
Net asset value, end of year	\$ 6.45	\$ 7.59	\$ 7.56	\$ 7.43	\$ 6.80
Total Return^(c)					
Based on net asset value	(10.35)%	5.34%	7.27%	15.29%	(2.79)%
Ratios to Average Net Assets^(d)					
Total expenses	0.65%	0.67%	0.69%	0.70%	0.77%
Total expenses after fees waived and/or reimbursed	0.56%	0.57%	0.58%	0.59%	0.63%
Net investment income	5.15%	4.38%	5.13%	5.28%	5.30%
Supplemental Data					
Net assets, end of year (000)	\$175,009	\$224,592	\$182,845	\$178,147	\$185,736
Portfolio turnover rate	46%	57%	103%	83%	79%

^(a) Based on average shares outstanding.

^(b) Distributions for annual periods determined in accordance with U.S. federal income tax regulations.

^(c) Where applicable, excludes insurance-related fees and expenses and assumes the reinvestment of distributions.

^(d) Excludes fees and expenses incurred indirectly as a result of investments in underlying funds.

Financial Highlights (concluded)

	BlackRock High Yield V.I. Fund				
	Class III				
(For a share outstanding throughout each period)	Year Ended 12/31/22	Year Ended 12/31/21	Year Ended 12/31/20	Year Ended 12/31/19	Year Ended 12/31/18
Net asset value, beginning of year	\$ 7.59	\$ 7.55	\$ 7.42	\$ 6.80	\$ 7.38
Net investment income ^(a)	0.34	0.31	0.35	0.37	0.36
Net realized and unrealized gain (loss)	(1.14)	0.08	0.14	0.62	(0.56)
Net increase (decrease) from investment operations	(0.80)	0.39	0.49	0.99	(0.20)
Distributions^(b)					
From net investment income	(0.33)	(0.33)	(0.36)	(0.37)	(0.38)
From net realized gain	(0.01)	(0.02)	—	—	—
Total distributions	(0.34)	(0.35)	(0.36)	(0.37)	(0.38)
Net asset value, end of year	\$ 6.45	\$ 7.59	\$ 7.55	\$ 7.42	\$ 6.80
Total Return^(c)					
Based on net asset value	(10.56)%	5.23%	7.01%	14.86%	(2.89)%
Ratios to Average Net Assets^(d)					
Total expenses	0.90%	0.91%	0.92%	0.94%	1.02%
Total expenses after fees waived and/or reimbursed	0.80%	0.81%	0.82%	0.83%	0.87%
Net investment income	4.93%	4.13%	4.86%	5.06%	5.05%
Supplemental Data					
Net assets, end of year (000)	\$492,285	\$613,037	\$487,109	\$397,249	\$243,871
Portfolio turnover rate	46%	57%	103%	83%	79%

^(a) Based on average shares outstanding.

^(b) Distributions for annual periods determined in accordance with U.S. federal income tax regulations.

^(c) Where applicable, excludes insurance-related fees and expenses and assumes the reinvestment of distributions.

^(d) Excludes fees and expenses incurred indirectly as a result of investments in underlying funds.

Prospectus

BlackRock Variable Series Funds II, Inc.

- **BlackRock Total Return V.I. Fund (Class I, Class III)**

This Prospectus contains information you should know before investing, including information about risks. Please read it before you invest and keep it for future reference.

The Securities and Exchange Commission and the Commodity Futures Trading Commission have not approved or disapproved these securities or passed upon the adequacy of this Prospectus. Any representation to the contrary is a criminal offense.

Not FDIC Insured • May Lose Value • No Bank Guarantee

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Fund Overview

Key Facts About BlackRock Total Return V.I. Fund

Investment Objective

The investment objective of the BlackRock Total Return V.I. Fund (the “Fund”) is to maximize total return, consistent with income generation and prudent investment management.

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy, hold and sell shares of the Fund. **The table and example below do not include separate account fees and expenses, and expenses would be higher if these fees and expenses were included.** Please refer to your variable annuity or insurance contract (the “Contract”) prospectus for information on the separate account fees and expenses associated with your Contract.

Shareholder Fees (fees paid directly from your investment)

The Fund is not subject to any shareholder fees.

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)	Class I Shares	Class III Shares
Management Fees ¹	0.40%	0.40%
Distribution and/or Service (12b-1) Fees	None	0.25%
Other Expenses	0.25%	0.21%
Acquired Fund Fees and Expenses ²	0.02%	0.02%
Total Annual Fund Operating Expenses ²	0.67%	0.88%
Fee Waivers and/or Expense Reimbursements ^{1,3}	(0.19)%	(0.09)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{1,3}	0.48%	0.79%

¹ As described in the “Management of the Funds” section of the Fund’s prospectus, BlackRock Advisors, LLC (“BlackRock”) has contractually agreed to waive the management fee with respect to any portion of the Fund’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through June 30, 2024. In addition, BlackRock has contractually agreed to waive its management fees by the amount of investment advisory fees the Fund pays to BlackRock indirectly through its investment in money market funds managed by BlackRock or its affiliates, through June 30, 2024. The contractual agreements may be terminated upon 90 days’ notice by a majority of the non-interested directors of BlackRock Variable Series Funds II, Inc. (the “Company”) or by a vote of a majority of the outstanding voting securities of the Fund.

² The Total Annual Fund Operating Expenses do not correlate to the ratio of expenses to average net assets given in the Fund’s most recent annual report, which does not include Acquired Fund Fees and Expenses.

³ As described in the “Management of the Funds” section of the Fund’s prospectus, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 0.60% (for Class I Shares) and 1.50% (for Class III Shares) of average daily net assets through June 30, 2024. BlackRock has also contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (including Interest Expense, and excluding Dividend Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 0.60% (for Class I Shares) of average daily net assets through June 30, 2024. BlackRock has also contractually agreed to reimburse fees in order to limit certain operational and recordkeeping fees to 0% (for Class I Shares) and 0.06% (for Class III Shares) of average daily net assets through June 30, 2024. Each of these contractual agreements may be terminated upon 90 days’ notice by a majority of the non-interested directors of the Company or by a vote of a majority of the outstanding voting securities of the Fund.

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 those periods. The Example also assumes that your investment has a 5% return each year and that the Fund’s operating expenses remain the same. The Example does not reflect charges imposed by the Contract. See the Contract prospectus for information on such charges. Although your actual costs may be higher or lower, based on these assumptions and the net expenses shown in the fee table, your costs would be:

	1 Year	3 Years	5 Years	10 Years
Class I Shares	\$49	\$195	\$354	\$ 817
Class III Shares	\$81	\$272	\$479	\$1,076

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 488% of the average value of its portfolio.

Principal Investment Strategies of the Fund

The Fund seeks to provide current income by investing in securities that pay interest or dividends. Dividends include exempt interest, ordinary income and capital gains paid to shareholders. Dividends may be reinvested in additional Fund shares as they are paid. The Fund may also seek growth of capital by looking for investments that will increase in value. However, the Fund’s investments emphasize current income more than growth of capital.

The Fund under normal circumstances will invest at least 80%, and typically invests 90% or more, of its assets in fixed-income securities such as corporate bonds and notes, mortgage-backed securities, asset-backed securities, convertible securities, preferred stocks, government obligations and money market securities. Both U.S. and foreign companies and governments may issue these securities, including issuers in emerging markets. The Fund invests primarily in fixed-income securities rated investment grade by a nationally recognized statistical rating organization (“NRSRO”). Fixed-income securities in any of the four highest rating categories can be called “investment grade.” The Fund may also invest in fixed-income securities that are rated below investment grade (commonly called “junk bonds”). The Fund may invest in fixed-income securities of any maturity or duration.

The Fund may invest up to 30% of its net assets in securities of foreign issuers, of which 20% (as a percentage of the Fund’s net assets) may be in emerging markets issuers. Investments in U.S. dollar-denominated securities of foreign issuers, excluding issuers from emerging markets, are permitted beyond the 30% limit. This means that the Fund may invest in such U.S. dollar-denominated securities of foreign issuers without limit. The Fund may enter into reverse repurchase agreements and mortgage dollar rolls. The Fund may also invest in derivative instruments, including, but not limited to, interest rate, total return and credit default swaps, options, futures, options on futures and swaps, both for hedging purposes and to seek to enhance its returns. The Fund may also invest in credit linked notes, credit linked trust certificates, structured notes, or other instruments evidencing interests in special purpose vehicles, trusts, or other entities that hold or represent interests in fixed-income securities.

The Fund may invest up to 15% of its net assets in collateralized debt obligations (“CDOs”), of which 10% (as a percentage of the Fund’s net assets) may be in collateralized loan obligations (“CLOs”). CDOs are types of asset-backed securities. CLOs are ordinarily issued by a trust or other special purpose entity and are typically collateralized by a pool of loans, which may include, among others, domestic and non-U.S. senior secured loans, senior unsecured loans, and subordinate corporate loans, including loans that may be rated below investment grade or equivalent unrated loans, held by such issuer.

The Fund may engage in active and frequent trading of portfolio securities to seek to achieve its primary investment strategies.

Principal Risks of Investing in the Fund

Risk is inherent in all investing. The value of your investment in the Fund, as well as the amount of return you receive on your investment, may fluctuate significantly from day to day and over time. You may lose part or all of your investment in the Fund or your investment may not perform as well as other similar investments. The following is a summary description of principal risks of investing in the Fund. The relative significance of each risk factor below may change over time and you should review each risk factor carefully.

■ **Debt Securities Risk** — Debt securities, such as bonds, involve interest rate risk, credit risk, extension risk, and prepayment risk, among other things.

Interest Rate Risk — The market value of bonds and other fixed-income securities changes in response to interest rate changes and other factors. Interest rate risk is the risk that prices of bonds and other fixed-income securities will increase as interest rates fall and decrease as interest rates rise.

The Fund may be subject to a greater risk of rising interest rates due to the recent period of historically low interest rates. For example, if interest rates increase by 1%, assuming a current portfolio duration of ten years, and all other factors being equal, the value of the Fund’s investments would be expected to decrease by 10%. (Duration is a measure of the price sensitivity of a debt security or portfolio of debt securities to relative changes in interest rates.) The magnitude of these fluctuations in the market price of bonds and other fixed-income securities is generally greater for those securities with longer maturities. Fluctuations in the market price of the Fund’s investments will not affect interest income derived from instruments already owned by the Fund, but will be reflected in the Fund’s net asset value. The Fund may lose money if short-term or long-term interest rates rise sharply in a manner not anticipated by Fund management.

To the extent the Fund invests in debt securities that may be prepaid at the option of the obligor (such as mortgage-backed securities), the sensitivity of such securities to changes in interest rates may increase (to the detriment of the Fund) when interest rates rise. Moreover, because rates on certain floating rate debt securities typically reset only periodically, changes in prevailing interest rates (and particularly sudden and significant changes) can be expected to cause some fluctuations in the net asset value of the Fund to the extent that it invests in floating rate debt securities.

These basic principles of bond prices also apply to U.S. Government securities. A security backed by the “full faith and credit” of the U.S. Government is guaranteed only as to its stated interest rate and face value at maturity, not its current market price. Just like other fixed-income securities, government-guaranteed securities will fluctuate in value when interest rates change.

A general rise in interest rates has the potential to cause investors to move out of fixed-income securities on a large scale, which may increase redemptions from funds that hold large amounts of fixed-income securities. Heavy redemptions could cause the Fund to sell assets at inopportune times or at a loss or depressed value and could hurt the Fund’s performance.

Credit Risk — Credit risk refers to the possibility that the issuer of a debt security (*i.e.*, the borrower) will not be able to make payments of interest and principal when due. Changes in an issuer’s credit rating or the market’s perception of an issuer’s creditworthiness may also affect the value of the Fund’s investment in that issuer. The degree of credit risk depends on both the financial condition of the issuer and the terms of the obligation.

Extension Risk — When interest rates rise, certain obligations will be paid off by the obligor more slowly than anticipated, causing the value of these obligations to fall.

Prepayment Risk — When interest rates fall, certain obligations will be paid off by the obligor more quickly than originally anticipated, and the Fund may have to invest the proceeds in securities with lower yields.

- **Mortgage- and Asset-Backed Securities Risks** — Mortgage- and asset-backed securities represent interests in “pools” of mortgages or other assets, including consumer loans or receivables held in trust. Mortgage- and asset-backed securities are subject to credit, interest rate, prepayment and extension risks. These securities also are subject to risk of default on the underlying mortgage or asset, particularly during periods of economic downturn. Small movements in interest rates (both increases and decreases) may quickly and significantly reduce the value of certain mortgage-backed securities.
- **U.S. Government Issuer Risk** — Treasury obligations may differ in their interest rates, maturities, times of issuance and other characteristics. Obligations of U.S. Government agencies and authorities are supported by varying degrees of credit but generally are not backed by the full faith and credit of the U.S. Government. No assurance can be given that the U.S. Government will provide financial support to its agencies and authorities if it is not obligated by law to do so.
- **Collateralized Debt Obligations Risk** — In addition to the typical risks associated with fixed-income securities and asset-backed securities, CDOs, including CLOs, carry additional risks including, but not limited to: (i) the possibility that distributions from collateral securities will not be adequate to make interest or other payments; (ii) the risk that the collateral may default or decline in value or be downgraded, if rated by a nationally recognized statistical rating organization; (iii) the Fund may invest in tranches of CDOs that are subordinate to other tranches; (iv) the structure and complexity of the transaction and the legal documents could lead to disputes among investors regarding the characterization of proceeds; (v) the investment return achieved by the Fund could be significantly different than those predicted by financial models; (vi) the lack of a readily available secondary market for CDOs; (vii) the risk of forced “fire sale” liquidation due to technical defaults such as coverage test failures; and (viii) the CDO’s manager may perform poorly.
- **Commodities Related Investments Risk** — Exposure to the commodities markets may subject the Fund to greater volatility than investments in traditional securities. The value of commodity-linked derivative investments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, embargoes, tariffs and international economic, political and regulatory developments.
- **Convertible Securities Risk** — The market value of a convertible security performs like that of a regular debt security; that is, if market interest rates rise, the value of a convertible security usually falls. In addition, convertible securities are subject to the risk that the issuer will not be able to pay interest or dividends when due, and their market value may change based on changes in the issuer’s credit rating or the market’s perception of the issuer’s creditworthiness. Since it derives a portion of its value from the common stock into which it may be converted, a convertible security is also subject to the same types of market and issuer risks that apply to the underlying common stock.

■ **Derivatives Risk** — The Fund’s use of derivatives may increase its costs, reduce the Fund’s returns and/or increase volatility. Derivatives involve significant risks, including:

Leverage Risk — The Fund’s use of derivatives can magnify the Fund’s gains and losses. Relatively small market movements may result in large changes in the value of a derivatives position and can result in losses that greatly exceed the amount originally invested.

Market Risk — Some derivatives are more sensitive to interest rate changes and market price fluctuations than other securities. The Fund could also suffer losses related to its derivatives positions as a result of unanticipated market movements, which losses are potentially unlimited. Finally, BlackRock may not be able to predict correctly the direction of securities prices, interest rates and other economic factors, which could cause the Fund’s derivatives positions to lose value.

Counterparty Risk — Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will be unable or unwilling to fulfill its contractual obligation, and the related risks of having concentrated exposure to such a counterparty.

Illiquidity Risk — The possible lack of a liquid secondary market for derivatives and the resulting inability of the Fund to sell or otherwise close a derivatives position could expose the Fund to losses and could make derivatives more difficult for the Fund to value accurately.

Operational Risk — The use of derivatives includes the risk of potential operational issues, including documentation issues, settlement issues, systems failures, inadequate controls and human error.

Legal Risk — The risk of insufficient documentation, insufficient capacity or authority of counterparty, or legality or enforceability of a contract.

Volatility and Correlation Risk — Volatility is defined as the characteristic of a security, an index or a market to fluctuate significantly in price within a short time period. A risk of the Fund’s use of derivatives is that the fluctuations in their values may not correlate with the overall securities markets.

Valuation Risk — Valuation for derivatives may not be readily available in the market. Valuation may be more difficult in times of market turmoil since many investors and market makers may be reluctant to purchase complex instruments or quote prices for them.

Hedging Risk — Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that the Fund’s hedging transactions will be effective. The use of hedging may result in certain adverse tax consequences.

Tax Risk — Certain aspects of the tax treatment of derivative instruments, including swap agreements and commodity-linked derivative instruments, are currently unclear and may be affected by changes in legislation, regulations or other legally binding authority. Such treatment may be less favorable than that given to a direct investment in an underlying asset and may adversely affect the timing, character and amount of income the Fund realizes from its investments.

Regulatory Risk — Derivative contracts are subject to regulation under the Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Dodd-Frank Act”) in the United States and under comparable regimes in Europe, Asia and other non-U.S. jurisdictions. Under the Dodd-Frank Act, with respect to uncleared swaps, swap dealers are required to collect variation margin from the Fund and may be required by applicable regulations to collect initial margin from the Fund. Both initial and variation margin may be comprised of cash and/or securities, subject to applicable regulatory haircuts. Shares of investment companies (other than certain money market funds) may not be posted as collateral under applicable regulations. In addition, regulations adopted by global prudential regulators that are now in effect require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many derivatives contracts, terms that delay or restrict the rights of counterparties, such as the Fund, to terminate such contracts, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. The implementation of these requirements with respect to derivatives, as well as regulations under the Dodd-Frank Act regarding clearing, mandatory trading and margining of other derivatives, may increase the costs and risks to the Fund of trading in these instruments and, as a result, may affect returns to investors in the Fund.

■ **Dollar Rolls Risk** — Dollar rolls involve the risk that the market value of the securities that the Fund is committed to buy may decline below the price of the securities the Fund has sold. These transactions may involve leverage.

■ **Emerging Markets Risk** — Emerging markets are riskier than more developed markets because they tend to develop unevenly and may never fully develop. Investments in emerging markets may be considered speculative. Emerging markets are more likely to experience hyperinflation and currency devaluations, which adversely affect returns to U.S. investors. In addition, many emerging securities markets have far lower trading volumes and less liquidity than developed markets.

- **Foreign Securities Risk** — Foreign investments often involve special risks not present in U.S. investments that can increase the chances that the Fund will lose money. These risks include:
 - The Fund generally holds its foreign securities and cash in foreign banks and securities depositories, which may be recently organized or new to the foreign custody business and may be subject to only limited or no regulatory oversight.
 - Changes in foreign currency exchange rates can affect the value of the Fund’s portfolio.
 - The economies of certain foreign markets may not compare favorably with the economy of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources and balance of payments position.
 - The governments of certain countries, or the U.S. Government with respect to certain countries, may prohibit or impose substantial restrictions through capital controls and/or sanctions on foreign investments in the capital markets or certain industries in those countries, which may prohibit or restrict the ability to own or transfer currency, securities, derivatives or other assets.
 - Many foreign governments do not supervise and regulate stock exchanges, brokers and the sale of securities to the same extent as does the United States and may not have laws to protect investors that are comparable to U.S. securities laws.
 - Settlement and clearance procedures in certain foreign markets may result in delays in payment for or delivery of securities not typically associated with settlement and clearance of U.S. investments.
 - The Fund’s claims to recover foreign withholding taxes may not be successful, and if the likelihood of recovery of foreign withholding taxes materially decreases, due to, for example, a change in tax regulation or approach in the foreign country, accruals in the Fund’s net asset value for such refunds may be written down partially or in full, which will adversely affect the Fund’s net asset value.
 - The European financial markets have recently experienced volatility and adverse trends due to concerns about economic downturns in, or rising government debt levels of, several European countries as well as acts of war in the region. These events may spread to other countries in Europe and may affect the value and liquidity of certain of the Fund’s investments.
- **High Portfolio Turnover Risk** — The Fund may engage in active and frequent trading of its portfolio securities. High portfolio turnover (more than 100%) may result in increased transaction costs to the Fund, including brokerage commissions, dealer mark-ups and other transaction costs on the sale of the securities and on reinvestment in other securities. The sale of Fund portfolio securities may result in the realization and/or distribution to shareholders of higher capital gains or losses as compared to a fund with less active trading policies. These effects of higher than normal portfolio turnover may adversely affect Fund performance. In addition, investment in mortgage dollar rolls and participation in to-be-announced (“TBA”) transactions may significantly increase the Fund’s portfolio turnover rate. A TBA transaction is a method of trading mortgage-backed securities where the buyer and seller agree upon general trade parameters such as agency, settlement date, par amount, and price at the time the contract is entered into but the mortgage-backed securities are delivered in the future, generally 30 days later.
- **Junk Bonds Risk** — Although junk bonds generally pay higher rates of interest than investment grade bonds, junk bonds are high risk investments that are considered speculative and may cause income and principal losses for the Fund.
- **Leverage Risk** — Some transactions may give rise to a form of economic leverage. These transactions may include, among others, derivatives, and may expose the Fund to greater risk and increase its costs. The use of leverage may cause the Fund to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet the applicable requirements of the Investment Company Act of 1940, as amended (the “Investment Company Act”) and the rules thereunder. Increases and decreases in the value of the Fund’s portfolio will be magnified when the Fund uses leverage.
- **Market Risk and Selection Risk** — Market risk is the risk that one or more markets in which the Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. The value of a security or other asset may decline due to changes in general market conditions, economic trends or events that are not specifically related to the issuer of the security or other asset, or factors that affect a particular issuer or issuers, exchange, country, group of countries, region, market, industry, group of industries, sector or asset class. Local, regional or global events such as war, acts of terrorism, the spread of infectious illness or other public health issues like pandemics or epidemics, recessions, or other events could have a significant impact on the Fund and its investments. Selection risk is the risk that the securities selected by Fund management will underperform the markets, the relevant indices or the securities selected by other funds with similar investment objectives and investment strategies. This means you may lose money.

An outbreak of an infectious coronavirus (COVID-19) that was first detected in December 2019 developed into a global pandemic that has resulted in numerous disruptions in the market and has had significant economic impact leaving general concern and uncertainty. Although vaccines have been developed and approved for use by various governments, the duration of the pandemic and its effects cannot be predicted with certainty. The impact of this coronavirus, and other epidemics and pandemics that may arise in the future, could affect the economies of many nations, individual companies and the market in general ways that cannot necessarily be foreseen at the present time.

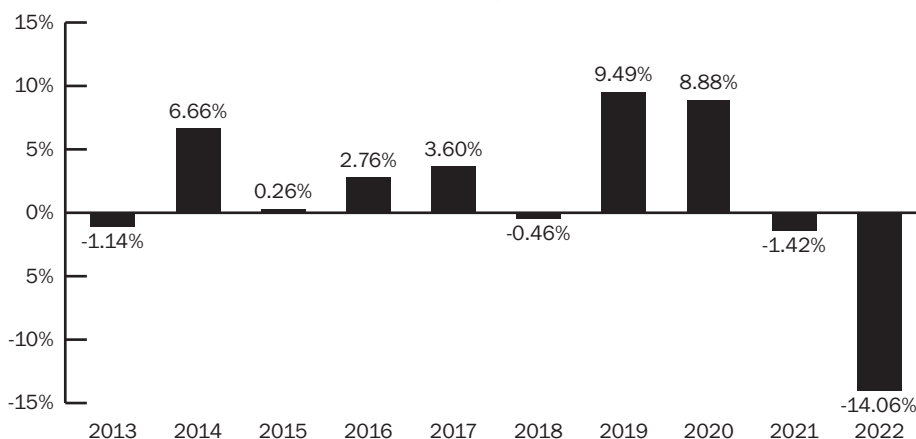
- **Preferred Securities Risk** — Preferred securities may pay fixed or adjustable rates of return. Preferred securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company's preferred securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company's financial condition or prospects. Preferred securities of smaller companies may be more vulnerable to adverse developments than preferred securities of larger companies.
- **Reverse Repurchase Agreements Risk** — Reverse repurchase agreements involve the sale of securities held by the Fund with an agreement to repurchase the securities at an agreed-upon price, date and interest payment. Reverse repurchase agreements involve the risk that the other party may fail to return the securities in a timely manner or at all. The Fund could lose money if it is unable to recover the securities and the value of the collateral held by the Fund, including the value of the investments made with cash collateral, is less than the value of the securities. These events could also trigger adverse tax consequences for the Fund. In addition, reverse repurchase agreements involve the risk that the interest income earned in the investment of the proceeds will be less than the interest expense.
- **Sovereign Debt Risk** — Sovereign debt instruments are subject to the risk that a governmental entity may delay or refuse to pay interest or repay principal on its sovereign debt, due, for example, to cash flow problems, insufficient foreign currency reserves, political considerations, the relative size of the governmental entity's debt position in relation to the economy or the failure to put in place economic reforms required by the International Monetary Fund or other multilateral agencies.
- **Structured Notes Risk** — Structured notes and other related instruments purchased by the Fund are generally privately negotiated debt obligations where the principal and/or interest is determined by reference to the performance of a specific asset, benchmark asset, market or interest rate ("reference measure"). The purchase of structured notes exposes the Fund to the credit risk of the issuer of the structured product. Structured notes may be leveraged, increasing the volatility of each structured note's value relative to the change in the reference measure. Structured notes may also be less liquid and more difficult to price accurately than less complex securities and instruments or more traditional debt securities.
- **Risk of Investing in the United States** — Certain changes in the U.S. economy, such as when the U.S. economy weakens or when its financial markets decline, may have an adverse effect on the securities to which the Fund has exposure.

Performance Information

The information shows you how the Fund's performance has varied year by year and provides some indication of the risks of investing in the Fund. The table compares the Fund's performance to that of the Bloomberg U.S. Aggregate Bond Index. The Fund acquired all of the assets, subject to the liabilities, of BlackRock Total Return V.I. Fund, a series of BlackRock Variable Series Funds, Inc. (the "Predecessor Fund"), in a reorganization on September 17, 2018 (the "Reorganization"). The Fund adopted the performance of the Predecessor Fund as a result of the Reorganization. The performance information below is based on the performance of the Predecessor Fund for periods prior to the date of the Reorganization. The Predecessor Fund had the same investment objectives, strategies and policies, portfolio management team and contractual arrangements, including the same contractual fees and expenses, as the Fund as of the date of the Reorganization. The bar chart and table do not reflect separate account fees and expenses. If they did, returns would be less than those shown. To the extent that dividends and distributions have been paid by the Fund, the performance information for the Fund in the chart and table assumes reinvestment of the dividends and

distributions. As with all such investments, past performance is not an indication of future results. If the Fund's investment manager and its affiliates had not waived or reimbursed certain Fund expenses during these periods, the Fund's returns would have been lower.

Class I Shares
ANNUAL TOTAL RETURNS
BlackRock Total Return V.I. Fund
As of 12/31



During the ten-year period shown in the bar chart, the highest return for a quarter was 5.53% (quarter ended June 30, 2020) and the lowest return for a quarter was -6.31% (quarter ended March 31, 2022).

For the periods ended 12/31/22
Average Annual Total Returns

	1 Year	5 Years	10 Years
BlackRock Total Return V.I. Fund: Class I Shares	(14.06)%	0.11%	1.24%
BlackRock Total Return V.I. Fund: Class III Shares	(14.28)%	(0.17)%	0.95%
Bloomberg U.S. Aggregate Bond Index (Reflects no deduction for fees, expenses or taxes)	(13.01)%	0.02%	1.06%

Investment Manager

The Fund's investment manager is BlackRock Advisors, LLC (previously defined as "BlackRock"). The Fund's sub-advisers are BlackRock International Limited and BlackRock (Singapore) Limited. Where applicable, the use of the term BlackRock also refers to the Fund's sub-advisers.

Portfolio Managers

Name	Portfolio Manager of the Fund Since	Title
Rick Rieder	2010*	Chief Investment Officer of Global Fixed Income, Head of Global Allocation Investment Team, member of the Global Executive Committee, Global Operating Committee and Chairman of the BlackRock, Inc. firmwide Investment Council
David Rogal	2017*	Managing Director of BlackRock, Inc.
Chi Chen	2022	Director of BlackRock, Inc.

* Includes management of the Predecessor Fund.

Purchase and Sale of Fund Shares

Shares of the Fund currently are sold either directly or indirectly (through other variable insurance funds) to separate accounts of insurance companies (the "Insurance Companies") and certain accounts administered by the Insurance Companies (the "Accounts") to fund benefits under the Contracts issued by the Insurance Companies. Shares of the Fund may be purchased or sold each day the New York Stock Exchange is open.

The Fund does not have any initial or subsequent investment minimums. However, your Contract may require certain investment minimums. See your Contract prospectus for more information.

Tax Information

Distributions made by the Fund to an Account, and exchanges and redemptions of Fund shares made by an Account, ordinarily do not cause the corresponding Contract holder to recognize income or gain for U.S. federal income tax purposes. See the Contract prospectus for information regarding the U.S. federal income tax treatment of the distributions to Accounts and the holders of the Contracts.

Payments to Broker/Dealers and Other Financial Intermediaries

BlackRock and its affiliates may make payments relating to distribution and sales support activities to the Insurance Companies and other financial intermediaries for the sale of Fund shares and related services. These payments may create a conflict of interest by influencing the Insurance Company or other financial intermediary and your individual financial professional to recommend the Fund over another investment. Visit your Insurance Company's website, which may have more information.

Details About the Fund

Included in this prospectus are sections that tell you about buying and selling shares, management information, shareholder features of the BlackRock Total Return V.I. Fund (the “Fund”) and your rights as a shareholder.

How the Fund Invests

Investment Objective

The investment objective of the Fund is to maximize total return, consistent with income generation and prudent investment management.

This investment objective is a fundamental policy of the Fund and may not be changed without approval of a majority of the Fund’s outstanding voting securities, as defined in the Investment Company Act of 1940, as amended (the “Investment Company Act”).

Investment Process

The Fund invests primarily in a diversified portfolio of investment grade fixed-income securities of any duration or maturity. The Fund has no stated minimum holding period for investments and will buy or sell securities whenever the Fund’s management sees an appropriate opportunity.

Principal Investment Strategies

The Fund typically invests at least 90% of its assets in fixed-income securities. The fixed-income securities in which the Fund may invest consist of:

- U.S. Government debt securities
- Corporate debt securities issued by U.S. and foreign companies
- Asset-backed securities
- Mortgage-backed securities
- Preferred securities issued by U.S. and foreign companies
- Corporate debt securities and preferred securities convertible into common stock
- Foreign sovereign debt instruments
- Money market securities

Under normal circumstances, the Fund invests at least 80% of its assets in fixed-income securities. This policy is a non-fundamental policy of the Fund and may be changed upon 60 days’ prior notice to shareholders. The Fund invests primarily in fixed-income securities that are rated in the four highest rating categories by at least one of the recognized rating services (Baa or better by Moody’s Investors Service, Inc. (“Moody’s”) or BBB or better by S&P Global Ratings (“S&P”) or Fitch Ratings, Inc. (“Fitch”)) or determined by the Fund’s management team to be of similar quality. Securities rated in any of the four highest rating categories are known as “investment grade” securities.

The Fund may invest up to 30% of its net assets in securities of foreign issuers, of which 20% (as a percentage of the Fund’s net assets) may be in emerging markets issuers. Investments in U.S. dollar-denominated securities of foreign issuers, excluding issuers from emerging markets, are permitted beyond the 30% limit. This means that the Fund may invest in such U.S. dollar-denominated securities of foreign issuers without limit.

The Fund may invest a portion of its assets in various types of mortgage-backed securities. Mortgage-backed securities represent the right to receive a portion of principal and/or interest payments made on a pool of residential or commercial mortgage loans. Mortgage-backed securities frequently react differently to changes in interest rates than other fixed-income securities. The Fund may also enter into reverse repurchase agreements and mortgage dollar rolls. A dollar roll transaction involves a sale by the Fund of a mortgage-backed security concurrently with an agreement by the Fund to repurchase a similar security at a later date at an agreed-upon price. The securities that are repurchased will bear the same interest rate and stated maturity as those sold, but pools of mortgages collateralizing those securities may have different prepayment histories than those sold.

The Fund may invest in fixed-income securities of any duration or maturity. Maturity is the time at which the full principal amount of a debt security is scheduled to be repaid. Duration is a mathematical calculation of the average life of a bond (or bonds in a bond fund) that serves as a useful measure of its price risk. Each year of duration represents an expected 1% change in the net asset value of a bond fund for every 1% immediate change in interest rates. For example, if a bond fund has an average duration of four years, its net asset value will fall about 4% when interest rates

rise by one percentage point. Conversely, the bond fund's net asset value will rise about 4% when interest rates fall by one percentage point. Duration, which measures price sensitivity to interest rate changes, is not necessarily equal to average maturity.

The Fund may use derivatives, including, but not limited to, interest rate, total return and credit default swaps, options, futures, options on futures and swaps, for hedging purposes, as well as to increase the return on its portfolio investments. Derivatives are financial instruments whose value is derived from another security or an index such as the Bloomberg U.S. Aggregate Bond Index. The Fund may also invest in credit linked notes, credit linked trust certificates, structured notes, or other instruments evidencing interests in special purpose vehicles, trusts, or other entities that hold or represent interests in fixed-income securities. Instruments such as these have principal and/or interest payments linked to the value of a foreign currency, an index of securities, an interest rate, or other financial indicators.

The Fund may invest up to 15% of its net assets in collateralized debt obligations ("CDOs"), of which 10% (as a percentage of the Fund's net assets) may be in collateralized loan obligations ("CLOs"). CDOs are types of asset-backed securities. CLOs are ordinarily issued by a trust or other special purpose entity and are typically collateralized by a pool of loans, which may include, among others, domestic and non-U.S. senior secured loans, senior unsecured loans, and subordinate corporate loans, including loans that may be rated below investment grade or equivalent unrated loans, held by such issuer.

The Fund may invest up to 20% of its net assets in fixed-income securities that are rated below investment grade (commonly called "junk bonds") by at least one of the recognized rating agencies, including Moody's, S&P or Fitch or in unrated securities of equivalent credit quality.

The Fund may engage in active and frequent trading of portfolio securities to seek to achieve its primary investment strategies.

Other Strategies

In addition to the principal strategies discussed above, the Fund may also invest or engage in the following investments/strategies:

- **Borrowing** — The Fund may borrow for temporary or emergency purposes, including to meet redemptions, for the payment of dividends, for share repurchases or for the clearance of transactions, subject to the limits set forth under the Investment Company Act, the rules and regulations thereunder and any applicable exemptive relief.
- **Corporate Loans** — The Fund may invest in corporate loans, which include corporate loans made by commercial banks and other financial institutions or institutional investors to companies that need capital to grow or restructure.
- **Illiquid Investments** — The Fund may invest up to an aggregate amount of 15% of its net assets in illiquid investments. An illiquid investment is any investment that the Fund reasonably expects cannot be sold or disposed of in current market conditions in seven calendar days or less without the sale or disposition significantly changing the market value of the investment.
- **Indexed and Inverse Securities** — The Fund may invest in securities the potential return of which is based on the change in a specified interest rate or equity index (an "indexed security"). The Fund may also invest in securities whose return is inversely related to changes in an interest rate or index ("inverse securities"). In general, the return on inverse securities will decrease when the underlying index or interest rate goes up and increase when that index or interest rate goes down.
- **Investment Companies** — The Fund has the ability to invest in other investment companies, such as exchange-traded funds ("ETFs"), unit investment trusts, and open-end and closed-end funds. The Fund may invest in affiliated investment companies, including affiliated money market funds and affiliated ETFs.
- **Repurchase Agreements and Purchase and Sale Contracts** — The Fund may enter into certain types of repurchase agreements or purchase and sale contracts. Under a repurchase agreement, the seller agrees to repurchase a security at a mutually agreed-upon time and price. A purchase and sale contract is similar to a repurchase agreement, but purchase and sale contracts also provide that the purchaser receives any interest on the security paid during the period.
- **Restricted Securities** — Restricted securities are securities that cannot be offered for public resale unless registered under the applicable securities laws or that have a contractual restriction that prohibits or limits their resale. They may include Rule 144A securities, which are privately placed securities that can be resold to qualified institutional buyers but not to the general public, and securities of U.S. and non-U.S. issuers that are offered pursuant to Regulation S under the Securities Act of 1933, as amended.
- **Securities Lending** — The Fund may lend securities with a value up to 33 $\frac{1}{3}$ % of its total assets to financial institutions that provide cash or securities issued or guaranteed by the U.S. Government as collateral.

- **Standby Commitment Agreements** — Standby commitment agreements commit the Fund, for a stated period of time, to purchase a stated amount of securities that may be issued and sold to the Fund at the option of the issuer.
- **Temporary Defensive Strategies** — Under unusual market or economic conditions, the Fund may, for temporary defensive purposes, invest up to 100% of its net assets in U.S. Government securities, certificates of deposit, bankers' acceptances, commercial paper rated in the highest rating category by a recognized rating service, money market funds (including affiliated and unaffiliated money market funds), cash or other high quality fixed-income securities that are consistent with the Fund's objectives. The yield on such securities may be lower than the yield on lower-rated fixed-income securities. Temporary defensive positions may limit the potential for an increase in the value of the Fund's shares or for the Fund to achieve its investment objectives.
- **When-Issued and Delayed Delivery Securities and Forward Commitments** — The purchase or sale of securities on a when-issued basis, on a delayed delivery basis or through a forward commitment involves the purchase or sale of securities by the Fund at an established price with payment and delivery taking place in the future. The Fund enters into these transactions to obtain what is considered an advantageous price to the Fund at the time of entering into the transaction.

ABOUT THE PORTFOLIO MANAGEMENT OF THE FUND

The Fund is managed by a team of financial professionals. Rick Rieder, David Rogal and Chi Chen are the portfolio managers and are jointly and primarily responsible for the day-to-day management of the Fund. Please see "Management of the Funds — Portfolio Manager Information" for additional information about the portfolio management team.

Investment Risks

This section contains a discussion of the general risks of investing in the Fund. The "Investment Objectives and Policies" section in the Statement of Additional Information ("SAI") also includes more information about the Fund, its investments and the related risks. As with any fund, there can be no guarantee that the Fund will meet its investment objective or that the Fund's performance will be positive for any period of time. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or by any bank or governmental agency. The order of the below risk factors does not indicate the significance of any particular risk factor.

Principal Risks of Investing in the Fund:

Collateralized Debt Obligations Risk — In addition to the typical risks associated with fixed-income securities and asset-backed securities, CDOs, including CLOs, carry additional risks including, but not limited to: (i) the possibility that distributions from collateral securities will not be adequate to make interest or other payments; (ii) the risk that the collateral may default or decline in value or be downgraded, if rated by a nationally recognized statistical rating organization; (iii) the Fund may invest in tranches of CDOs that are subordinate to other tranches; (iv) the structure and complexity of the transaction and the legal documents could lead to disputes among investors regarding the characterization of proceeds; (v) the investment return achieved by the Fund could be significantly different than those predicted by financial models; (vi) the lack of a readily available secondary market for CDOs; (vii) the risk of forced "fire sale" liquidation due to technical defaults such as coverage test failures; and (viii) the CDO's manager may perform poorly.

Commodities Related Investments Risk — Exposure to the commodities markets may subject the Fund to greater volatility than investments in traditional securities. The value of commodity-linked derivative investments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, embargoes, tariffs and international economic, political and regulatory developments.

Convertible Securities Risk — The market value of a convertible security performs like that of a regular debt security; that is, if market interest rates rise, the value of a convertible security usually falls. In addition, convertible securities are subject to the risk that the issuer will not be able to pay interest or dividends when due, and their market value may change based on changes in the issuer's credit rating or the market's perception of the issuer's creditworthiness. Since it derives a portion of its value from the common stock into which it may be converted, a convertible security is also subject to the same types of market and issuer risks that apply to the underlying common stock.

Debt Securities Risk — Debt securities, such as bonds, involve interest rate risk, credit risk, extension risk, and prepayment risk, among other things.

Interest Rate Risk — The market value of bonds and other fixed-income securities changes in response to interest rate changes and other factors. Interest rate risk is the risk that prices of bonds and other fixed-income securities will increase as interest rates fall and decrease as interest rates rise. The Fund may be subject to a greater risk of rising

interest rates due to the recent period of historically low interest rates. For example, if interest rates increase by 1%, assuming a current portfolio duration of ten years, and all other factors being equal, the value of the Fund's investments would be expected to decrease by 10%. (Duration is a measure of the price sensitivity of a debt security or portfolio of debt securities to relative changes in interest rates.) The magnitude of these fluctuations in the market price of bonds and other fixed-income securities is generally greater for those securities with longer maturities. Fluctuations in the market price of the Fund's investments will not affect interest income derived from instruments already owned by the Fund, but will be reflected in the Fund's net asset value. The Fund may lose money if short-term or long-term interest rates rise sharply in a manner not anticipated by Fund management. To the extent the Fund invests in debt securities that may be prepaid at the option of the obligor (such as mortgage-backed securities), the sensitivity of such securities to changes in interest rates may increase (to the detriment of the Fund) when interest rates rise. Moreover, because rates on certain floating rate debt securities typically reset only periodically, changes in prevailing interest rates (and particularly sudden and significant changes) can be expected to cause some fluctuations in the net asset value of the Fund to the extent that it invests in floating rate debt securities. These basic principles of bond prices also apply to U.S. Government securities. A security backed by the "full faith and credit" of the U.S. Government is guaranteed only as to its stated interest rate and face value at maturity, not its current market price. Just like other fixed-income securities, government-guaranteed securities will fluctuate in value when interest rates change.

The Federal Reserve has recently begun to raise the federal funds rate as part of its efforts to address rising inflation. There is a risk that interest rates will continue to rise, which will likely drive down the prices of bonds and other fixed-income securities. A general rise in interest rates has the potential to cause investors to move out of fixed-income securities on a large scale, which may increase redemptions from mutual funds that hold large amounts of fixed-income securities. Heavy redemptions could cause the Fund to sell assets at inopportune times or at a loss or depressed value and could hurt the Fund's performance.

During periods of very low or negative interest rates, the Fund may be unable to maintain positive returns. Certain countries have recently experienced negative interest rates on certain fixed-income instruments. Very low or negative interest rates may magnify interest rate risk. Changing interest rates, including rates that fall below zero, may have unpredictable effects on markets, may result in heightened market volatility and may detract from Fund performance to the extent the Fund is exposed to such interest rates.

Credit Risk — Credit risk refers to the possibility that the issuer of a debt security (*i.e.*, the borrower) will not be able to make payments of interest and principal when due. Changes in an issuer's credit rating or the market's perception of an issuer's creditworthiness may also affect the value of the Fund's investment in that issuer. The degree of credit risk depends on both the financial condition of the issuer and the terms of the obligation.

Extension Risk — When interest rates rise, certain obligations will be paid off by the obligor more slowly than anticipated, causing the value of these obligations to fall. Rising interest rates tend to extend the duration of securities, making them more sensitive to changes in interest rates. The value of longer-term securities generally changes more in response to changes in interest rates than shorter-term securities. As a result, in a period of rising interest rates, securities may exhibit additional volatility and may lose value.

Prepayment Risk — When interest rates fall, certain obligations will be paid off by the obligor more quickly than originally anticipated, and the Fund may have to invest the proceeds in securities with lower yields. In periods of falling interest rates, the rate of prepayments tends to increase (as does price fluctuation) as borrowers are motivated to pay off debt and refinance at new lower rates. During such periods, reinvestment of the prepayment proceeds by the management team will generally be at lower rates of return than the return on the assets that were prepaid. Prepayment reduces the yield to maturity and the average life of the security.

Derivatives Risk — The Fund's use of derivatives may increase its costs, reduce the Fund's returns and/or increase volatility. Derivatives involve significant risks, including:

Leverage Risk — The Fund's use of derivatives can magnify the Fund's gains and losses. Relatively small market movements may result in large changes in the value of a derivatives position and can result in losses that greatly exceed the amount originally invested.

Market Risk — Some derivatives are more sensitive to interest rate changes and market price fluctuations than other securities. The Fund could also suffer losses related to its derivatives positions as a result of unanticipated market movements, which losses are potentially unlimited. Finally, BlackRock may not be able to predict correctly the direction of securities prices, interest rates and other economic factors, which could cause the Fund's derivatives positions to lose value.

Counterparty Risk — Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will be unable or unwilling to fulfill its contractual obligation, and the related risks of having concentrated exposure to such a counterparty.

Illiquidity Risk —The possible lack of a liquid secondary market for derivatives and the resulting inability of the Fund to sell or otherwise close a derivatives position could expose the Fund to losses and could make derivatives more difficult for the Fund to value accurately.

Operational Risk — The use of derivatives includes the risk of potential operational issues, including documentation issues, settlement issues, systems failures, inadequate controls and human error.

Legal Risk — The risk of insufficient documentation, insufficient capacity or authority of counterparty, or legality or enforceability of a contract.

Volatility and Correlation Risk — The Fund's use of derivatives may reduce the Fund's returns and/or increase volatility. Volatility is defined as the characteristic of a security, an index or a market to fluctuate significantly in price within a short time period. A risk of the Fund's use of derivatives is that the fluctuations in their values may not correlate with the overall securities markets.

Valuation Risk — Valuation for derivatives may not be readily available in the market. Valuation may be more difficult in times of market turmoil since many investors and market makers may be reluctant to purchase complex instruments or quote prices for them. Derivatives may also expose the Fund to greater risk and increase its costs. Certain transactions in derivatives involve substantial leverage risk and may expose the Fund to potential losses that exceed the amount originally invested by the Fund.

Hedging Risk — When a derivative is used as a hedge against a position that the Fund holds, any loss generated by the derivative generally should be substantially offset by gains on the hedged investment, and vice versa. While hedging can reduce or eliminate losses, it can also reduce or eliminate gains. Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that the Fund's hedging transactions will be effective. The use of hedging may result in certain adverse tax consequences noted below.

Tax Risk — The federal income tax treatment of a derivative may not be as favorable as a direct investment in an underlying asset and may adversely affect the timing, character and amount of income the Fund realizes from its investments. As a result, a larger portion of the Fund's distributions may be treated as ordinary income rather than capital gains. In addition, certain derivatives are subject to mark-to-market or straddle provisions of the Internal Revenue Code of 1986, as amended (the "Internal Revenue Code"). If such provisions are applicable, there could be an increase (or decrease) in the amount of taxable dividends paid by the Fund. In addition, the tax treatment of certain derivatives, such as swaps, is unsettled and may be subject to future legislation, regulation or administrative pronouncements issued by the Internal Revenue Service (the "IRS").

Regulatory Risk — Derivative contracts are subject to regulation under the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Dodd-Frank Act") in the United States and under comparable regimes in Europe, Asia and other non-U.S. jurisdictions. Under the Dodd-Frank Act, with respect to uncleared swaps, swap dealers are required to collect variation margin from the Fund and may be required by applicable regulations to collect initial margin from the Fund. Both initial and variation margin may be comprised of cash and/or securities, subject to applicable regulatory haircuts. Shares of investment companies (other than certain money market funds) may not be posted as collateral under applicable regulations. In addition, regulations adopted by global prudential regulators that are now in effect require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many derivatives contracts, terms that delay or restrict the rights of counterparties, such as the Fund, to terminate such contracts, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. The implementation of these requirements with respect to derivatives, as well as regulations under the Dodd-Frank Act regarding clearing, mandatory trading and margining of other derivatives, may increase the costs and risks to the Fund of trading in these instruments and, as a result, may affect returns to investors in the Fund.

Future regulatory developments may impact the Fund's ability to invest or remain invested in certain derivatives. Legislation or regulation may also change the way in which the Fund itself is regulated. BlackRock cannot predict the effects of any new governmental regulation that may be implemented on the ability of the Fund to use swaps or any other financial derivative product, and there can be no assurance that any new governmental regulation will not adversely affect the Fund's ability to achieve its investment objective.

Risks Specific to Certain Derivatives Used by the Fund

Swaps — Swap agreements, including total return swaps that may be referred to as contracts for difference, are two-party contracts entered into for periods ranging from a few weeks to more than one year. In a standard "swap" transaction, two parties agree to exchange the returns (or differentials in rates of return) earned or realized on particular predetermined investments or instruments, which can be adjusted for an interest factor. Swap agreements involve the risk that the party with whom the Fund has entered into the swap will default on its obligation to pay the Fund and the risk that the Fund will not be able to meet its obligations to pay the other party to the agreement. Swap agreements may also involve the risk that there is an imperfect correlation between the return on the Fund's obligation to its counterparty and the return on the referenced asset. In addition, swap agreements are subject to market and illiquidity risk, leverage risk and hedging risk.

Credit Default Swaps — Credit default swaps may have as reference obligations one or more securities that are not currently held by the Fund. The protection “buyer” may be obligated to pay the protection “seller” an up-front payment or a periodic stream of payments over the term of the contract, provided generally that no credit event on a reference obligation has occurred. Credit default swaps involve special risks in addition to those mentioned above because they are difficult to value, are highly susceptible to illiquid investments risk and credit risk, and generally pay a return to the party that has paid the premium only in the event of an actual default by the issuer of the underlying obligation (as opposed to a credit downgrade or other indication of financial difficulty).

Forward Foreign Currency Exchange Contracts — Forward foreign currency exchange transactions are over-the-counter contracts to purchase or sell a specified amount of a specified currency or multinational currency unit at a price and future date set at the time of the contract. Forward foreign currency exchange contracts do not eliminate fluctuations in the value of non-U.S. securities but rather allow the Fund to establish a fixed rate of exchange for a future point in time. This strategy can have the effect of reducing returns and minimizing opportunities for gain.

Futures — Futures are standardized, exchange-traded contracts that obligate a purchaser to take delivery, and a seller to make delivery, of a specific amount of an asset at a specified future date at a specified price. The primary risks associated with the use of futures contracts and options are: (a) the imperfect correlation between the change in market value of the instruments held by the Fund and the price of the futures contract or option; (b) the possible lack of a liquid secondary market for a futures contract and the resulting inability to close a futures contract when desired; (c) losses caused by unanticipated market movements, which are potentially unlimited; (d) the investment adviser’s inability to predict correctly the direction of securities prices, interest rates, currency exchange rates and other economic factors; and (e) the possibility that the counterparty will default in the performance of its obligations.

Options — 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 asset (or settle for cash in 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. Investments in options are considered speculative. When the Fund purchases an option, it may lose the total premium paid for it if the price of the underlying security or other assets decreased, remained the same or failed to increase to a level at or beyond the exercise price (in the case of a call option) or increased, remained the same or failed to decrease to a level at or below the exercise price (in the case of a put option). If a put or call option purchased by the Fund were permitted to expire without being sold or exercised, its premium would represent a loss to the Fund. To the extent that the Fund writes or sells an option, if the decline or increase in the underlying asset is significantly below or above the exercise price of the written option, the Fund could experience a substantial loss.

Dollar Rolls Risk — A dollar roll transaction involves a sale by the Fund of a mortgage-backed, U.S. Treasury or other security (as permitted by the Fund’s investment strategies) concurrently with an agreement by the Fund to repurchase a similar security at a later date at an agreed-upon price. The market value of the securities the Fund is required to purchase may decline below the agreed upon repurchase price of those securities. If the broker/dealer to whom the Fund sells securities becomes insolvent, the Fund’s right to purchase or repurchase securities may be restricted. Successful use of dollar rolls may depend upon the adviser’s ability to correctly predict interest rates and prepayments, depending on the underlying security. There is no assurance that dollar rolls can be successfully employed.

Emerging Markets Risk — The risks of foreign investments are usually much greater for emerging markets. Investments in emerging markets may be considered speculative. Emerging markets may include those in countries considered emerging or developing by the World Bank, the International Finance Corporation or the United Nations. Emerging markets are riskier than more developed markets because they tend to develop unevenly and may never fully develop. They are more likely to experience hyperinflation and currency devaluations, which adversely affect returns to U.S. investors. In addition, many emerging markets have far lower trading volumes and less liquidity than developed markets. Since these markets are often small, they may be more likely to suffer sharp and frequent price changes or long-term price depression because of adverse publicity, investor perceptions or the actions of a few large investors. In addition, traditional measures of investment value used in the United States, such as price to earnings ratios, may not apply to certain small markets. Also, there may be less publicly available information about issuers in emerging markets than would be available about issuers in more developed capital markets, and such issuers may not be subject to accounting, auditing and financial reporting standards and requirements comparable to those to which U.S. companies are subject.

Many emerging markets have histories of political instability and abrupt changes in policies. As a result, their governments are more likely to take actions that are hostile or detrimental to private enterprise or foreign investment than those of more developed countries, including expropriation of assets, confiscatory taxation, high rates of inflation or unfavorable diplomatic developments. In the past, governments of such nations have expropriated substantial amounts of private property, and most claims of the property owners have never been fully settled. There is no assurance that such expropriations will not reoccur. In such an event, it is possible that the Fund could lose the entire value of its investments in the affected market. Some countries have pervasive corruption and crime that may hinder investments. Certain emerging markets may also face other significant internal or external risks, including the risk of war, and ethnic, religious and racial conflicts. In addition, governments in many emerging market countries participate

to a significant degree in their economies and securities markets, which may impair investment and economic growth. National policies that may limit the Fund's investment opportunities include restrictions on investment in issuers or industries deemed sensitive to national interests.

Emerging markets may also have differing legal systems and the existence or possible imposition of exchange controls, custodial restrictions or other foreign or U.S. governmental laws or restrictions applicable to such investments. Sometimes, they may lack or be in the relatively early development of legal structures governing private and foreign investments and private property. Many emerging markets do not have income tax treaties with the United States, and as a result, investments by the Fund may be subject to higher withholding taxes in such countries. In addition, some countries with emerging markets may impose differential capital gains taxes on foreign investors.

Practices in relation to settlement of securities transactions in emerging markets involve higher risks than those in developed markets, in part because the Fund will need to use brokers and counterparties that are less well capitalized, and custody and registration of assets in some countries may be unreliable. The possibility of fraud, negligence, undue influence being exerted by the issuer or refusal to recognize ownership exists in some emerging markets, and, along with other factors, could result in ownership registration being completely lost. The Fund would absorb any loss resulting from such registration problems and may have no successful claim for compensation. In addition, communications between the United States and emerging market countries may be unreliable, increasing the risk of delayed settlements or losses of security certificates.

Foreign Securities Risk — Securities traded in foreign markets have often (though not always) performed differently from securities traded in the United States. However, such investments often involve special risks not present in U.S. investments that can increase the chances that the Fund will lose money. In particular, the Fund is subject to the risk that because there may be fewer investors on foreign exchanges and a smaller number of securities traded each day, it may be more difficult for the Fund to buy and sell securities on those exchanges. In addition, prices of foreign securities may go up and down more than prices of securities traded in the United States.

Certain Risks of Holding Fund Assets Outside the United States — The Fund generally holds its foreign securities and cash in foreign banks and securities depositories. Some foreign banks and securities depositories may be recently organized or new to the foreign custody business. In addition, there may be limited or no regulatory oversight of their operations. Also, the laws of certain countries limit the Fund's ability to recover its assets if a foreign bank, depository or issuer of a security, or any of their agents, goes bankrupt. In addition, it is often more expensive for the Fund to buy, sell and hold securities in certain foreign markets than in the United States. The increased expense of investing in foreign markets reduces the amount the Fund can earn on its investments and typically results in a higher operating expense ratio for the Fund than for investment companies invested only in the United States.

Currency Risk — Securities and other instruments in which the Fund invests may be denominated or quoted in currencies other than the U.S. dollar. For this reason, changes in foreign currency exchange rates can affect the value of the Fund's portfolio.

Generally, when the U.S. dollar rises in value against a foreign currency, a security denominated in that currency loses value because the currency is worth fewer U.S. dollars. Conversely, when the U.S. dollar decreases in value against a foreign currency, a security denominated in that currency gains value because the currency is worth more U.S. dollars. This risk, generally known as "currency risk," means that a strong U.S. dollar will reduce returns for U.S. investors while a weak U.S. dollar will increase those returns.

Should the Fund invest in a debt security denominated in U.S. dollars and issued by an issuer whose functional currency is a currency other than the U.S. dollar, and such currency decreases in value against the U.S. dollar, such issuer's ability to repay its obligation under the U.S. dollar-denominated security may be negatively impacted.

Foreign Economy Risk — The economies of certain foreign markets may not compare favorably with the economy of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources and balance of payments position. Certain foreign economies may rely heavily on particular industries or foreign capital and are more vulnerable to diplomatic developments, the imposition of economic sanctions against a particular country or countries, changes in international trading patterns, trade barriers and other protectionist or retaliatory measures. Investments in foreign markets may also be adversely affected by governmental actions such as the imposition of capital controls, nationalization of companies or industries, expropriation of assets or the imposition of punitive taxes. In addition, economic conditions, such as volatile currency exchange rates and interest rates, political events, military action and other conditions may, without prior warning, lead to the governments of certain countries, or the U.S. Government with respect to certain countries, prohibiting or imposing substantial restrictions through capital controls and/or sanctions on foreign investments in the capital markets or certain industries in those countries. Capital controls and/or sanctions may include the prohibition of, or restrictions on, the ability to own or transfer currency, securities, derivatives or other assets and may also include retaliatory actions of one government against another government, such as seizure of assets. Any of these actions could severely impair the Fund's ability to purchase, sell, transfer, receive, deliver or otherwise obtain exposure to foreign securities and assets, including the ability to transfer the Fund's assets or income back into the United States, and could negatively impact the value and/or liquidity of such assets or otherwise adversely affect the Fund's operations, causing the Fund to decline in value.

Other potential foreign market risks include foreign exchange controls, difficulties in pricing securities, defaults on foreign government securities, difficulties in enforcing legal judgments in foreign courts and political and social instability. Diplomatic and political developments, including rapid and adverse political changes, social instability, regional conflicts, terrorism and war, could affect the economies, industries and securities and currency markets, and the value of the Fund's investments, in non-U.S. countries. These factors are extremely difficult, if not impossible, to predict and take into account with respect to the Fund's investments.

Governmental Supervision and Regulation/Accounting Standards — Many foreign governments do not supervise and regulate stock exchanges, brokers and the sale of securities to the same extent as such regulations exist in the United States. They also may not have laws to protect investors that are comparable to U.S. securities laws. For example, some foreign countries may have no laws or rules against insider trading. Insider trading occurs when a person buys or sells a company's securities based on material non-public information about that company. In addition, some countries may have legal systems that may make it difficult for the Fund to vote proxies, exercise shareholder rights, and pursue legal remedies with respect to its foreign investments. Accounting standards in other countries are not necessarily the same as in the United States. If the accounting standards in another country do not require as much detail as U.S. accounting standards, it may be harder for Fund management to completely and accurately determine a company's financial condition.

Settlement Risk — Settlement and clearance procedures in certain foreign markets differ significantly from those in the United States. Foreign settlement and clearance procedures and trade regulations also may involve certain risks (such as delays in payment for or delivery of securities) not typically associated with the settlement of U.S. investments.

At times, settlements in certain foreign countries have not kept pace with the number of securities transactions. These problems may make it difficult for the Fund to carry out transactions. If the Fund cannot settle or is delayed in settling a purchase of securities, it may miss attractive investment opportunities and certain of its assets may be uninvested with no return earned thereon for some period. If the Fund cannot settle or is delayed in settling a sale of securities, it may lose money if the value of the security then declines or, if it has contracted to sell the security to another party, the Fund could be liable for any losses incurred.

Withholding Tax Reclaims Risk — The Fund may file claims to recover foreign withholding taxes on dividend and interest income (if any) received from issuers in certain countries and capital gains on the disposition of stocks or securities where such withholding tax reclaim is possible. Whether or when the Fund will receive a withholding tax refund is within the control of the tax authorities in such countries. Where the Fund expects to recover withholding taxes, the net asset value of the Fund generally includes accruals for such tax refunds. The Fund regularly evaluates the probability of recovery. If the likelihood of recovery materially decreases, due to, for example, a change in tax regulation or approach in the foreign country, accruals in the Fund's net asset value for such refunds may be written down partially or in full, which will adversely affect the Fund's net asset value. Shareholders in the Fund at the time an accrual is written down will bear the impact of the resulting reduction in net asset value regardless of whether they were shareholders during the accrual period. Conversely, if the Fund receives a tax refund that has not been previously accrued, shareholders in the Fund at the time of the successful recovery will benefit from the resulting increase in the Fund's net asset value. Shareholders who sold their shares prior to such time will not benefit from such increase in the Fund's net asset value.

European Economic Risk — The European financial markets have recently experienced volatility and adverse trends due to concerns about economic downturns in, or rising government debt levels of, several European countries as well as acts of war in the region. These events may spread to other countries in Europe and may affect the value and liquidity of certain of the Fund's investments.

Responses to the financial problems by European governments, central banks and others, including austerity measures and reforms, may not work, may result in social unrest and may limit future growth and economic recovery or have other unintended consequences. Further defaults or restructurings by governments and others of their debt could have additional adverse effects on economies, financial markets and asset valuations around the world.

The United Kingdom has withdrawn from the European Union, and one or more other countries may withdraw from the European Union and/or abandon the Euro, the common currency of the European Union. These events and actions have adversely affected, and may in the future adversely affect, the value and exchange rate of the Euro and may continue to significantly affect the economies of every country in Europe, including countries that do not use the Euro and non-European Union member states. The impact of these actions, especially if they occur in a disorderly fashion, is not clear but could be significant and far reaching. In addition, Russia launched a large-scale invasion of Ukraine on February 24, 2022. The extent and duration of the military action, resulting sanctions and resulting future market disruptions in the region are impossible to predict, but could be significant and have a severe adverse effect on the region, including significant negative impacts on the economy and the markets for certain securities and commodities, such as oil and natural gas, as well as other sectors.

High Portfolio Turnover Risk — The Fund may engage in active and frequent trading of its portfolio securities. High portfolio turnover (more than 100%) may result in increased transaction costs to the Fund, including brokerage

commissions, dealer mark-ups and other transaction costs on the sale of the securities and on reinvestment in other securities. The sale of Fund portfolio securities may result in the realization and/or distribution to shareholders of higher capital gains or losses as compared to a fund with less active trading policies. These effects of higher than normal portfolio turnover may adversely affect Fund performance. In addition, investment in mortgage dollar rolls and participation in to-be-announced (“TBA”) transactions may significantly increase the Fund’s portfolio turnover rate. A TBA transaction is a method of trading mortgage-backed securities where the buyer and seller agree upon general trade parameters such as agency, settlement date, par amount, and price at the time the contract is entered into but the mortgage-backed securities are delivered in the future, generally 30 days later.

Junk Bonds Risk — Although junk bonds generally pay higher rates of interest than investment grade bonds, junk bonds are high risk investments that are considered speculative and may cause income and principal losses for the Fund. The major risks of junk bond investments include:

- Junk bonds may be issued by less creditworthy issuers. Issuers of junk bonds may have a larger amount of outstanding debt relative to their assets than issuers of investment grade bonds. In the event of an issuer’s bankruptcy, claims of other creditors may have priority over the claims of junk bond holders, leaving few or no assets available to repay junk bond holders.
- Prices of junk bonds are subject to extreme price fluctuations. Adverse changes in an issuer’s industry and general economic conditions may have a greater impact on the prices of junk bonds than on other higher rated fixed-income securities.
- Issuers of junk bonds may be unable to meet their interest or principal payment obligations because of an economic downturn, specific issuer developments, or the unavailability of additional financing.
- Junk bonds frequently have redemption features that permit an issuer to repurchase the security from the Fund before it matures. If the issuer redeems junk bonds, the Fund may have to invest the proceeds in bonds with lower yields and may lose income.
- Junk bonds may be less liquid than higher rated fixed-income securities, even under normal economic conditions. There are fewer dealers in the junk bond market, and there may be significant differences in the prices quoted for junk bonds by the dealers. Because they are less liquid than higher rated fixed-income securities, judgment may play a greater role in valuing junk bonds than is the case with securities trading in a more liquid market.
- The Fund may incur expenses to the extent necessary to seek recovery upon default or to negotiate new terms with a defaulting issuer.

The credit rating of a high yield security does not necessarily address its market value risk. Ratings and market value may change from time to time, positively or negatively, to reflect new developments regarding the issuer.

Leverage Risk — Some transactions may give rise to a form of economic leverage. These transactions may include, among others, derivatives, and may expose the Fund to greater risk and increase its costs. As an open-end investment company registered with the Securities and Exchange Commission (the “SEC”), the Fund is subject to the federal securities laws, including the Investment Company Act of 1940, as amended (the “Investment Company Act”) and the rules thereunder. Under Rule 18f-4 under the Investment Company Act, among other things, the Fund must either use derivatives in a limited manner or comply with an outer limit on fund leverage risk based on value-at-risk. The use of leverage may cause the Fund to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet the applicable requirements of the Investment Company Act and the rules thereunder. Increases and decreases in the value of the Fund’s portfolio will be magnified when the Fund uses leverage.

Market Risk and Selection Risk — Market risk is the risk that one or more markets in which the Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. The value of a security or other asset may decline due to changes in general market conditions, economic trends or events that are not specifically related to the issuer of the security or other asset, or factors that affect a particular issuer or issuers, exchange, country, group of countries, region, market, industry, group of industries, sector or asset class. Local, regional or global events such as war, acts of terrorism, the spread of infectious illness or other public health issues like pandemics or epidemics, recessions, or other events could have a significant impact on the Fund and its investments. Selection risk is the risk that the securities selected by Fund management will underperform the markets, the relevant indices or the securities selected by other funds with similar investment objectives and investment strategies. This means you may lose money.

An outbreak of an infectious coronavirus (COVID-19) that was first detected in December 2019 developed into a global pandemic that has resulted in numerous disruptions in the market and has had significant economic impact leaving general concern and uncertainty. Although vaccines have been developed and approved for use by various governments, the duration of the pandemic and its effects cannot be predicted with certainty. The impact of this coronavirus, and other epidemics and pandemics that may arise in the future, could affect the economies of many nations, individual companies and the market in general ways that cannot necessarily be foreseen at the present time.

Mortgage- and Asset-Backed Securities Risks — Mortgage-backed securities (residential and commercial) and asset-backed securities represent interests in “pools” of mortgages or other assets, including consumer loans or receivables held in trust. Although asset-backed and commercial mortgage-backed securities (“CMBS”) generally experience less prepayment than residential mortgage-backed securities, mortgage-backed and asset-backed securities, like traditional fixed-income securities, are subject to credit, interest rate, prepayment and extension risks.

Small movements in interest rates (both increases and decreases) may quickly and significantly reduce the value of certain mortgage-backed securities. The Fund’s investments in asset-backed securities are subject to risks similar to those associated with mortgage-related securities, as well as additional risks associated with the nature of the assets and the servicing of those assets. These securities also are subject to the risk of default on the underlying mortgages or assets, particularly during periods of economic downturn. Certain CMBS are issued in several classes with different levels of yield and credit protection. The Fund’s investments in CMBS with several classes may be in the lower classes that have greater risks than the higher classes, including greater interest rate, credit and prepayment risks.

Mortgage-backed securities may be either pass-through securities or collateralized mortgage obligations (“CMOs”). Pass-through securities represent a right to receive principal and interest payments collected on a pool of mortgages, which are passed through to security holders. CMOs are created by dividing the principal and interest payments collected on a pool of mortgages into several revenue streams (“tranches”) with different priority rights to portions of the underlying mortgage payments. Certain CMO tranches may represent a right to receive interest only (“IOs”), principal only (“POs”) or an amount that remains after floating-rate tranches are paid (an “inverse floater”). These securities are frequently referred to as “mortgage derivatives” and may be extremely sensitive to changes in interest rates. Interest rates on inverse floaters, for example, vary inversely with a short-term floating rate (which may be reset periodically). Interest rates on inverse floaters will decrease when short-term rates increase, and will increase when short-term rates decrease. These securities have the effect of providing a degree of investment leverage. In response to changes in market interest rates or other market conditions, the value of an inverse floater may increase or decrease at a multiple of the increase or decrease in the value of the underlying securities. If the Fund invests in CMO tranches (including CMO tranches issued by government agencies) and interest rates move in a manner not anticipated by Fund management, it is possible that the Fund could lose all or substantially all of its investment. Certain mortgage-backed securities in which the Fund may invest may also provide a degree of investment leverage, which could cause the Fund to lose all or substantially all of its investment.

The mortgage market in the United States has experienced difficulties that may adversely affect the performance and market value of certain of the Fund’s mortgage-related investments. Delinquencies and losses on mortgage loans (including subprime and second-lien mortgage loans) generally have increased and may continue to increase, and a decline in or flattening of real estate values (as has been experienced and may continue to be experienced in many housing markets) may exacerbate such delinquencies and losses. Also, a number of mortgage loan originators have experienced serious financial difficulties or bankruptcy. Reduced investor demand for mortgage loans and mortgage-related securities and increased investor yield requirements have caused limited liquidity in the secondary market for mortgage-related securities, which can adversely affect the market value of mortgage-related securities. It is possible that such limited liquidity in such secondary markets could continue or worsen.

Asset-backed securities entail certain risks not presented by mortgage-backed securities, including the risk that in certain states it may be difficult to perfect the liens securing the collateral backing certain asset-backed securities. In addition, certain asset-backed securities are based on loans that are unsecured, which means that there is no collateral to seize if the underlying borrower defaults.

Preferred Securities Risk — Preferred securities may pay fixed or adjustable rates of return. Preferred securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company’s preferred securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company’s financial condition or prospects. Preferred securities of smaller companies may be more vulnerable to adverse developments than preferred securities of larger companies.

Reverse Repurchase Agreements Risk — Reverse repurchase agreements involve the sale of securities held by the Fund with an agreement to repurchase the securities at an agreed-upon price, date and interest payment. Reverse repurchase agreements involve the risk that the other party may fail to return the securities in a timely manner or at all. The Fund could lose money if it is unable to recover the securities and the value of the collateral held by the Fund, including the value of the investments made with cash collateral, is less than the value of the securities. These events could also trigger adverse tax consequences for the Fund. In addition, reverse repurchase agreements involve the risk that the interest income earned in the investment of the proceeds will be less than the interest expense.

Sovereign Debt Risk — Sovereign debt instruments are subject to the risk that a governmental entity may delay or refuse to pay interest or repay principal on its sovereign debt, due, for example, to cash flow problems, insufficient foreign currency reserves, political considerations, the relative size of the governmental entity’s debt position in relation to the economy or the failure to put in place economic reforms required by the International Monetary Fund or other multilateral agencies. If a governmental entity defaults, it may ask for more time in which to pay or for further

loans. There is no legal process for collecting sovereign debt that a government does not pay nor are there bankruptcy proceedings through which all or part of the sovereign debt that a governmental entity has not repaid may be collected.

Structured Notes Risk — Structured notes and other related instruments purchased by the Fund are generally privately negotiated debt obligations where the principal and/or interest is determined by reference to the performance of a specific asset, benchmark asset, market or interest rate (“reference measure”). The interest rate or the principal amount payable upon maturity or redemption may increase or decrease, depending upon changes in the value of the reference measure. The terms of a structured note may provide that, in certain circumstances, no principal is due at maturity and, therefore, may result in a loss of invested capital by the Fund. The interest and/or principal payments that may be made on a structured product may vary widely, depending on a variety of factors, including the volatility of the reference measure.

Structured notes may be positively or negatively indexed, so the appreciation of the reference measure may produce an increase or a decrease in the interest rate or the value of the principal at maturity. The rate of return on structured notes may be determined by applying a multiplier to the performance or differential performance of reference measures. Application of a multiplier involves leverage that will serve to magnify the potential for gain and the risk of loss.

The purchase of structured notes exposes the Fund to the credit risk of the issuer of the structured product. Structured notes may also be more volatile, less liquid, and more difficult to price accurately than less complex securities and instruments or more traditional debt securities.

U.S. Government Issuer Risk — Treasury obligations may differ in their interest rates, maturities, times of issuance and other characteristics. Obligations of U.S. Government agencies and authorities are supported by varying degrees of credit but generally are not backed by the full faith and credit of the U.S. Government. No assurance can be given that the U.S. Government will provide financial support to its agencies and authorities if it is not obligated by law to do so.

Risk of Investing in the United States — A decrease in imports or exports, changes in trade regulations, inflation and/or an economic recession in the United States may have a material adverse effect on the U.S. economy and the securities listed on U.S. exchanges. Proposed and adopted policy and legislative changes in the United States are changing many aspects of financial, commercial, public health, environmental, and other regulation and may have a significant effect on U.S. markets generally, as well as on the value of certain securities. Governmental agencies project that the United States will continue to maintain elevated public debt levels for the foreseeable future. Although elevated debt levels do not necessarily indicate or cause economic problems, elevated public debt service costs may constrain future economic growth.

The United States has developed increasingly strained relations with a number of foreign countries. If relations with certain countries deteriorate, it could adversely affect U.S. issuers as well as non-U.S. issuers that rely on the United States for trade. The United States has also experienced increased internal unrest and discord, as well as significant challenges in managing and containing the outbreak of COVID-19. If these trends were to continue, it may have an adverse impact on the U.S. economy and the issuers in which the Fund invests.

The Fund may also be subject to certain other non-principal risks associated with its investments and investment strategies, including:

Borrowing Risk — Borrowing may exaggerate changes in the net asset value of Fund shares and in the return on the Fund’s portfolio. Borrowing will cost the Fund interest expense and other fees. The costs of borrowing may reduce the Fund’s return. Borrowing may cause the Fund to liquidate positions when it may not be advantageous to do so to satisfy its obligations.

Corporate Loans Risk — Commercial banks and other financial institutions or institutional investors make corporate loans to companies that need capital to grow or restructure. Borrowers generally pay interest on corporate loans at rates that change in response to changes in market interest rates such as the London Interbank Offered Rate (“LIBOR”) or the prime rates of U.S. banks. As a result, the value of corporate loan investments is generally less exposed to the adverse effects of shifts in market interest rates than investments that pay a fixed rate of interest. However, because the trading market for certain corporate loans may be less developed than the secondary market for bonds and notes, the Fund may experience difficulties in selling its corporate loans. Transactions in corporate loans may settle on a delayed basis. As a result, the proceeds from the sale of corporate loans may not be readily available to make additional investments or to meet the Fund’s redemption obligations. To the extent the extended settlement process gives rise to short-term liquidity needs, the Fund may hold additional cash, sell investments or temporarily borrow from banks and other lenders. Leading financial institutions often act as agent for a broader group of lenders, generally referred to as a syndicate. The syndicate’s agent arranges the corporate loans, holds collateral and accepts payments of principal and interest. If the agent develops financial problems, the Fund may not recover its investment or recovery may be delayed. By investing in a corporate loan, the Fund may become a member of the syndicate.

The market for corporate loans may be subject to irregular trading activity and wide bid/ask spreads.

The corporate loans in which the Fund invests are subject to the risk of loss of principal and income. Although borrowers frequently provide collateral to secure repayment of these obligations they do not always do so. If they do provide collateral, the value of the collateral may not completely cover the borrower's obligations at the time of a default. If a borrower files for protection from its creditors under the U.S. bankruptcy laws, these laws may limit the Fund's rights to its collateral. In addition, the value of collateral may erode during a bankruptcy case. In the event of a bankruptcy, the holder of a corporate loan may not recover its principal, may experience a long delay in recovering its investment and may not receive interest during the delay.

Cyber Security Risk — Failures or breaches of the electronic systems of the Fund, the Fund's adviser, distributor, and other service providers, or the issuers of securities in which the Fund invests have the ability to cause disruptions and negatively impact the Fund's business operations, potentially resulting in financial losses to the Fund and its shareholders. While the Fund has established business continuity plans and risk management systems seeking to address system breaches or failures, there are inherent limitations in such plans and systems. Furthermore, the Fund cannot control the cyber security plans and systems of the Fund's service providers or issuers of securities in which the Fund invests.

Expense Risk — Fund expenses are subject to a variety of factors, including fluctuations in the Fund's net assets. Accordingly, actual expenses may be greater or less than those indicated. For example, to the extent that the Fund's net assets decrease due to market declines or redemptions, the Fund's expenses will increase as a percentage of Fund net assets. During periods of high market volatility, these increases in the Fund's expense ratio could be significant.

Illiquid Investments Risk — The Fund may not acquire any illiquid investment if, immediately after the acquisition, the Fund would have invested more than 15% of its net assets in illiquid investments. An illiquid investment is any investment that the Fund reasonably expects cannot be sold or disposed of in current market conditions in seven calendar days or less without the sale or disposition significantly changing the market value of the investment. Liquid investments may become illiquid after purchase by the Fund, particularly during periods of market turmoil. There can be no assurance that a security or instrument that is deemed to be liquid when purchased will continue to be liquid for as long as it is held by the Fund, and any security or instrument held by the Fund may be deemed an illiquid investment pursuant to the Fund's liquidity risk management program. The Fund's illiquid investments may reduce the returns of the Fund because it may be difficult to sell the illiquid investments at an advantageous time or price. In addition, if the Fund is limited in its ability to sell illiquid investments during periods when shareholders are redeeming their shares, the Fund will need to sell liquid securities to meet redemption requests and illiquid securities will become a larger portion of the Fund's holdings. An investment may be illiquid due to, among other things, the reduced number and capacity of traditional market participants to make a market in fixed-income securities or the lack of an active trading market. To the extent that the Fund's principal investment strategies involve derivatives or securities with substantial market and/or credit risk, the Fund will tend to have the greatest exposure to the risks associated with illiquid investments. Illiquid investments may be harder to value, especially in changing markets, and if the Fund is forced to sell these investments to meet redemption requests or for other cash needs, the Fund may suffer a loss. This may be magnified in a rising interest rate environment or other circumstances where investor redemptions from fixed-income mutual funds may be higher than normal. In addition, when there is illiquidity in the market for certain securities, the Fund, due to limitations on illiquid investments, may be subject to purchase and sale restrictions.

Indexed and Inverse Securities Risk — Indexed and inverse securities provide a potential return based on a particular index of value or interest rates. The Fund's return on these securities will be subject to risk with respect to the value of the particular index. These securities are subject to leverage risk and correlation risk. Certain indexed and inverse securities have greater sensitivity to changes in interest rates or index levels than other securities, and the Fund's investment in such instruments may decline significantly in value if interest rates or index levels move in a way Fund management does not anticipate.

Investment in Other Investment Companies Risk — As with other investments, investments in other investment companies, including exchange-traded funds, are subject to market and selection risk. In addition, if the Fund acquires shares of investment companies, including ones affiliated with the Fund, shareholders bear both their proportionate share of expenses in the Fund (including management and advisory fees) and, indirectly, the expenses of the investment companies (to the extent not offset by BlackRock through waivers). To the extent the Fund is held by an affiliated fund, the ability of the Fund itself to hold other investment companies may be limited.

Large Shareholder and Large-Scale Redemption Risk — Certain shareholders, including a third-party investor, the Fund's adviser or an affiliate of the Fund's adviser, or another entity, may from time to time own or manage a substantial amount of Fund shares or may invest in the Fund and hold its investment for a limited period of time. There can be no assurance that any large shareholder or large group of shareholders would not redeem their investment or that the size of the Fund would be maintained. Redemptions of a large number of Fund shares by these shareholders may adversely affect the Fund's liquidity and net assets. These redemptions may force the Fund to sell portfolio securities to meet redemption requests when it might not otherwise do so, which may negatively impact the Fund's NAV and increase the Fund's brokerage costs and/or accelerate the realization of taxable income and cause the Fund to make taxable distributions to its shareholders earlier than the Fund otherwise would have. In addition, under certain circumstances, non-redeeming shareholders may be treated as receiving a disproportionately large taxable distribution

during or with respect to such tax year. The Fund also may be required to sell its more liquid Fund investments to meet a large redemption, in which case the Fund's remaining assets may be less liquid, more volatile, and more difficult to price. In addition, large redemptions can result in the Fund's current expenses being allocated over a smaller asset base, which generally results in an increase in the Fund's expense ratio. Because large redemptions can adversely affect a portfolio manager's ability to implement a fund's investment strategy, the Fund also reserves the right to redeem in-kind, subject to certain conditions. In addition, large purchases of Fund shares may adversely affect the Fund's performance to the extent that the Fund is delayed in investing new cash and is required to maintain a larger cash position than it ordinarily would, diluting its investment returns.

LIBOR Risk — The Fund may be exposed to financial instruments that are tied to LIBOR to determine payment obligations, financing terms, hedging strategies or investment value.

The United Kingdom's Financial Conduct Authority announced a phase out of LIBOR such that after June 30, 2023, the overnight, 1-month, 3-month, 6-month and 12-month U.S. dollar LIBOR settings will cease to be published or will no longer be representative. All other LIBOR settings and certain other interbank offered rates, such as the Euro Overnight Index Average ("EONIA"), ceased to be published or representative after December 31, 2021. The Secured Overnight Financing Rate ("SOFR") is a broad measure of the cost of borrowing cash overnight collateralized by U.S. Treasury securities in the repurchase agreement ("repo") market and has been used increasingly on a voluntary basis in new instruments and transactions. On December 16, 2022, the Federal Reserve Board adopted regulations implementing the Adjustable Interest Rate Act, which provides a statutory fallback mechanism to replace LIBOR, by identifying benchmark rates based on SOFR that will replace LIBOR in certain financial contracts after June 30, 2023. These regulations apply only to contracts governed by U.S. law, among other limitations. The regulations include provisions that (i) provide a safe harbor for selection or use of a replacement benchmark rate selected by the Federal Reserve Board; (ii) clarify who may choose the replacement benchmark rate selected by the Federal Reserve Board; and (iii) ensure that contracts adopting a replacement benchmark rate selected by the Federal Reserve Board will not be interrupted or terminated following the replacement of LIBOR.

Neither the effect of the LIBOR transition process nor its ultimate success can yet be known. While some existing LIBOR-based instruments may contemplate a scenario where LIBOR is no longer available by providing for an alternative rate-setting methodology, there may be significant uncertainty regarding the effectiveness of any such alternative methodologies to replicate LIBOR. Not all existing LIBOR-based instruments may have alternative rate-setting provisions and there remains uncertainty regarding the willingness and ability of issuers to add alternative rate-setting provisions in certain existing instruments. Parties to contracts, securities or other instruments using LIBOR may disagree on transition rates or the application of transition regulation, potentially resulting in uncertainty of performance and the possibility of litigation. The Fund may have instruments linked to other interbank offered rates that may also cease to be published in the future.

Repurchase Agreements and Purchase and Sale Contracts Risk — If the other party to a repurchase agreement or purchase and sale contract defaults on its obligation under the agreement, the Fund may suffer delays and incur costs or lose money in exercising its rights under the agreement. If the seller fails to repurchase the security in either situation and the market value of the security declines, the Fund may lose money.

Restricted Securities Risk — Limitations on the resale of restricted securities may have an adverse effect on their marketability, and may prevent the Fund from disposing of them promptly at advantageous prices. Restricted securities may not be listed on an exchange and may have no active trading market. In order to sell such securities, the Fund may have to bear the expense of registering the securities for resale and the risk of substantial delays in effecting the registration. Other transaction costs may be higher for restricted securities than unrestricted securities. Restricted securities may be difficult to value because market quotations may not be readily available, and the securities may have significant volatility. Also, the Fund may get only limited information about the issuer of a given restricted security, and therefore may be less able to predict a loss. Certain restricted securities may involve a high degree of business and financial risk and may result in substantial losses to the Fund.

Securities Lending Risk — Securities lending involves the risk that the borrower may fail to return the securities in a timely manner or at all. As a result, the Fund may lose money and there may be a delay in recovering the loaned securities. The Fund could also lose money if it does not recover the securities and/or the value of the collateral falls, including the value of investments made with cash collateral. These events could trigger adverse tax consequences for the Fund.

Standby Commitment Agreements Risk — Standby commitment agreements involve the risk that the security the Fund buys will lose value prior to its delivery to the Fund and will no longer be worth what the Fund has agreed to pay for it. These agreements also involve the risk that if the security goes up in value, the counterparty will decide not to issue the security. In this case, the Fund loses both the investment opportunity for the assets it set aside to pay for the security and any gain in the security's price.

Valuation Risk — The price the Fund could receive upon the sale of any particular portfolio investment may differ from the Fund's valuation of the investment, particularly for securities that trade in thin or volatile markets or that are valued using a fair valuation methodology or a price provided by an independent pricing service. As a result, the price received upon the sale of an investment may be less than the value ascribed by the Fund, and the Fund could realize a

greater than expected loss or lesser than expected gain upon the sale of the investment. Pricing services that value fixed-income securities generally utilize a range of market-based and security-specific inputs and assumptions, as well as considerations about general market conditions, to establish a price. Pricing services generally value fixed-income securities assuming orderly transactions of an institutional round lot size, but may be held or transactions may be conducted in such securities in smaller, odd lot sizes. Odd lots may trade at lower prices than institutional round lots. The Fund's ability to value its investments may also be impacted by technological issues and/or errors by pricing services or other third-party service providers.

When-Issued and Delayed Delivery Securities and Forward Commitments Risk — When-issued and delayed delivery securities and forward commitments involve the risk that the security the Fund buys will lose value prior to its delivery. There also is the risk that the security will not be issued or that the other party to the transaction will not meet its obligation. If this occurs, the Fund may lose both the investment opportunity for the assets it set aside to pay for the security and any gain in the security's price.

Financial Highlights

The Fund acquired all of the assets, subject to the liabilities, of BlackRock Total Return V.I. Fund, a series of BlackRock Variable Series Funds, Inc. (the “Predecessor Fund”), in a reorganization on September 17, 2018 (the “Reorganization”). Therefore, the Financial Highlights information presented for the Fund prior to the date of the Reorganization is the financial history of the Predecessor Fund. The Financial Highlights table is intended to help you understand the Fund’s financial performance for the periods shown. Certain information reflects the financial results for a single share. The total returns in the table represent the rate that a shareholder would have earned or lost on an investment in the Fund (assuming reinvestment of all dividends and/or distributions). The information has been audited by Deloitte & Touche LLP, whose report, along with the Fund’s financial statements, is included in the Fund’s Annual Report, which is available upon request.

(For a share outstanding throughout each period)	BlackRock Total Return V.I. Fund				
	Class I				
	Year Ended 12/31/22	Year Ended 12/31/21	Year Ended 12/31/20	Year Ended 12/31/19	Year Ended 12/31/18
Net asset value, beginning of year	\$ 11.98	\$ 12.40	\$ 12.22	\$ 11.53	\$ 11.91
Net investment income ^(a)	0.25	0.17	0.25	0.35	0.33
Net realized and unrealized gain (loss)	(1.93)	(0.35)	0.82	0.73	(0.39)
Net increase (decrease) from investment operations	(1.68)	(0.18)	1.07	1.08	(0.06)
Distributions^(b)					
From net investment income	(0.25)	(0.17)	(0.29)	(0.35)	(0.32)
From net realized gain	(0.00) ^(c)	(0.07)	(0.60)	(0.04)	—
Total distributions	(0.25)	(0.24)	(0.89)	(0.39)	(0.32)
Net asset value, end of year	\$ 10.05	\$ 11.98	\$ 12.40	\$ 12.22	\$ 11.53
Total Return^(d)					
Based on net asset value	(14.06)%	(1.42)%	8.88%	9.49%	(0.46)%
Ratios to Average Net Assets^(e)					
Total expenses	0.65%	0.65%	0.69%	0.74%	0.85% ^(f)
Total expenses after fees waived and/or reimbursed	0.46%	0.47%	0.51%	0.54%	0.58% ^(f)
Total expenses after fees waived and/or reimbursed and excluding interest expense	0.46%	0.47%	0.51%	0.52%	0.55%
Net investment income	2.36%	1.44%	1.98%	2.90%	2.84%
Supplemental Data					
Net assets, end of year (000)	\$187,263	\$232,294	\$250,444	\$245,548	\$246,390
Portfolio turnover rate ^(g)	488%	647%	674%	536%	488%

^(a) Based on average shares outstanding.

^(b) Distributions for annual periods determined in accordance with U.S. federal income tax regulations.

^(c) Amount is greater than \$(0.005) per share.

^(d) Where applicable, excludes insurance-related fees and expenses and assumes the reinvestment of distributions.

^(e) Excludes fees and expenses incurred indirectly as a result of investments in underlying funds.

^(f) Includes reorganization costs associated with the Fund’s reorganization. Without these costs, total expenses and total expenses after fees waived and/or reimbursed would have been 0.82% and 0.57%, respectively.

^(g) Includes mortgage dollar roll transactions (“MDRs”). Additional information regarding portfolio turnover rate is as follows:

	Year Ended 12/31/22	Year Ended 12/31/21	Year Ended 12/31/20	Year Ended 12/31/19	Year Ended 12/31/18
Portfolio turnover rate (excluding MDRs)	283%	334%	399%	326%	310%

Financial Highlights (concluded)

(For a share outstanding throughout each period)	BlackRock Total Return V.I. Fund				
	Class III				
	Year Ended 12/31/22	Year Ended 12/31/21	Year Ended 12/31/20	Year Ended 12/31/19	Year Ended 12/31/18
Net asset value, beginning of year	\$ 11.83	\$ 12.24	\$ 12.07	\$ 11.40	\$ 11.76
Net investment income ^(a)	0.22	0.13	0.21	0.31	0.29
Net realized and unrealized gain (loss)	(1.90)	(0.34)	0.81	0.71	(0.37)
Net increase (decrease) from investment operations	(1.68)	(0.21)	1.02	1.02	(0.08)
Distributions^(b)					
From net investment income	(0.22)	(0.13)	(0.25)	(0.31)	(0.28)
From net realized gain	(0.00) ^(c)	(0.07)	(0.60)	(0.04)	—
Total distributions	(0.22)	(0.20)	(0.85)	(0.35)	(0.28)
Net asset value, end of year	\$ 9.93	\$ 11.83	\$ 12.24	\$ 12.07	\$ 11.40
Total Return^(d)					
Based on net asset value	(14.28)%	(1.69)%	8.54%	9.05%	(0.63)%
Ratios to Average Net Assets^(e)					
Total expenses	0.86%	0.87%	0.92%	0.97%	1.06% ^(f)
Total expenses after fees waived and/or reimbursed	0.77%	0.78%	0.82%	0.85%	0.89% ^(f)
Total expenses after fees waived and/or reimbursed and excluding interest expense	0.77%	0.78%	0.82%	0.83%	0.86%
Net investment income	2.07%	1.12%	1.67%	2.58%	2.54%
Supplemental Data					
Net assets, end of year (000)	\$564,245	\$614,967	\$470,328	\$385,784	\$318,595
Portfolio turnover rate ^(g)	488%	647%	674%	536%	488%

^(a) Based on average shares outstanding.

^(b) Distributions for annual periods determined in accordance with U.S. federal income tax regulations.

^(c) Amount is greater than \$(0.005) per share.

^(d) Where applicable, excludes insurance-related fees and expenses and assumes the reinvestment of distributions.

^(e) Excludes fees and expenses incurred indirectly as a result of investments in underlying funds.

^(f) Includes reorganization costs associated with the Fund's reorganization. Without these costs, total expenses and total expenses after fees waived and/or reimbursed would have been 1.03% and 0.88%, respectively.

^(g) Includes mortgage dollar roll transactions ("MDRs"). Additional information regarding portfolio turnover rate is as follows:

	Year Ended 12/31/22	Year Ended 12/31/21	Year Ended 12/31/20	Year Ended 12/31/19	Year Ended 12/31/18
Portfolio turnover rate (excluding MDRs)	283%	334%	399%	326%	310%

Other Important Information

BlackRock Variable Series Funds II

Class I Shares

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Account Information

The Insurance Companies

Shares of the BlackRock High Yield V.I. Fund and the BlackRock Total Return V.I. Fund (each a “Fund,” and collectively, the “Funds”) are sold to separate accounts of insurance companies (the “Insurance Companies”) either directly or indirectly (through other variable insurance funds) to fund certain variable life insurance contracts and/or variable annuities (the “Contracts”) issued by the Insurance Companies.

Shares of the Funds are owned by the Insurance Companies, not Contract owners. A Contract owner has no direct interest in the shares of a Fund, but only in the Contract. A Contract is described in the prospectus for that Contract. That prospectus describes the relationship between changes in the value of shares of a Fund, and the benefits provided under a Contract. The prospectus for a Contract also describes various fees payable to the Insurance Company and charges to the separate account made by the Insurance Company with respect to the Contract. While this prospectus and the Statement of Additional Information (the “SAI”) are intended for use by Contract owners, because shares of the Funds will be sold only to the Insurance Companies for the separate accounts, the terms “you,” “your,” “shareholder” and “shareholders” in this prospectus may refer to the Insurance Companies.

More than one Insurance Company may invest in each Fund. It is possible that a difference may arise among the interests of Insurance Companies that invest in a Fund or the holders of different types of Contracts — for example, if applicable state insurance law or Contract owner instructions prevent an Insurance Company from continuing to invest in a Fund following a change in the Fund’s investment policies, or if different tax laws apply to variable life insurance contracts and variable annuities. The Funds and the Insurance Companies will attempt to monitor events to prevent such differences from arising. If a conflict between Insurance Companies occurs, or between life insurance policies and annuity contracts, however, a Fund may be required to take actions that are adverse to the interests of a particular Insurance Company and its Contract owners, or to the interests of holders of a particular type of Contract.

If approved by the BlackRock Variable Series Funds II, Inc.’s (the “Company”) Board of Directors, BlackRock, on behalf of the Funds, may enter into agreements with a Service Organization, as defined below, pursuant to which a Fund will pay a Service Organization for administrative, networking, recordkeeping, subtransfer agency and shareholder services. These payments are based on a percentage of the average daily net assets of Fund shareholders serviced by a Service Organization. The aggregate amount of these payments may be substantial.

From time to time, BlackRock, BlackRock Investments, LLC (the “Distributor”) and their affiliates may compensate affiliated and unaffiliated Insurance Companies and other financial intermediaries (“Service Organizations”) for the sale and distribution of shares of the Funds. These payments would be in addition to the Fund payments described above, if approved by the Board, and may be a fixed dollar amount, may be based on the number of customer accounts maintained by the Service Organization, may be based on a percentage of the value of shares sold to, or held by, customers of the Service Organization or may be calculated on another basis. The aggregate amount of these payments by BlackRock, the Distributor and their affiliates may be substantial and, in some circumstances, may create an incentive for a Service Organization, its employees or associated persons to recommend or sell shares of the Funds to you. Please contact your Service Organization for details about payments it may receive from the Funds or from BlackRock, the Distributor or their affiliates. For more information, see the SAI.

How to Buy and Sell Shares

The Company is offering through this prospectus Class I Shares in each of its Funds to the Insurance Companies. The price of shares purchased by the Insurance Companies is based on the next calculation of the per share net asset value of a Fund after an order is placed. The Company may reject any order to buy shares and may suspend the sale of shares at any time. The Company will redeem all full and fractional shares of the Funds for cash. The price of redeemed shares is based on the next calculation of net asset value after a redemption order is placed. The value of shares at the time of redemption may be more or less than the shareholder’s cost, depending in part on the net asset value of such shares at such time.

Short-Term Trading Policy

The Company’s Board of Directors (the “Board”) has determined that the interests of long-term shareholders and a Fund’s ability to manage its investments may be adversely affected when shares are repeatedly bought, sold or exchanged in response to short-term market fluctuations — also known as “market timing.” The Funds are not designed for market timing organizations or other entities using programmed or frequent purchases and sales or exchanges. The exchange privilege is not intended as a vehicle for short-term trading. Excessive purchase and sale or exchange activity may interfere with portfolio management, increase expenses and taxes and may have an adverse

effect on the performance of a Fund and its returns to shareholders. For example, large flows of cash into and out of a Fund may require the management team to allocate a significant amount of assets to cash or other short-term investments or sell securities, rather than maintaining such assets in securities selected to achieve a Fund's investment objective. Frequent trading may cause a Fund to sell securities at less favorable prices, and transaction costs, such as brokerage commissions, can reduce a Fund's performance.

A fund's investment in non-U.S. securities is subject to the risk that an investor may seek to take advantage of a delay between the change in value of such fund's portfolio securities and the determination of the fund's net asset value as a result of different closing times of U.S. and non-U.S. markets by buying or selling fund shares at a price that does not reflect their true value. A similar risk exists for funds that invest in securities of small capitalization companies, securities of issuers located in emerging markets or high yield securities ("junk bonds") that are thinly traded and therefore may have actual values that differ from their market prices. This short-term arbitrage activity can reduce the return received by long-term shareholders. Each Fund will seek to eliminate these opportunities by using fair value pricing, as described in "Management of the Funds — Valuation of Fund Investments" below.

The Funds discourage market timing and seek to prevent frequent purchases and sales or exchanges of Fund shares that they determine may be detrimental to a Fund or long-term shareholders. The Board has approved the policies discussed below to seek to deter market timing activity. The Board has not adopted any specific numerical restrictions on purchases, sales and exchanges of Fund shares because certain legitimate strategies will not result in harm to a Fund or its shareholders.

If as a result of its own investigation, information provided by a financial intermediary or other third party, or otherwise, a Fund believes, in its sole discretion, that your short-term trading is excessive or that you are engaging in market timing activity, it reserves the right to reject any specific purchase or exchange order. If a Fund rejects your purchase or exchange order, you will not be able to execute that transaction, and such Fund will not be responsible for any losses you therefore may suffer. For transactions placed directly with a Fund, such Fund may consider the trading history of accounts under common ownership or control for the purpose of enforcing these policies. Transactions placed through the same financial intermediary on an omnibus basis may be deemed part of a group for the purpose of this policy and may be rejected in whole or in part by a Fund. Certain accounts, such as omnibus accounts and accounts at financial intermediaries, however, include multiple investors and such accounts typically provide a Fund with net purchase or redemption and exchange requests on any given day where purchases, redemptions and exchanges of shares are netted against one another and the identity of individual purchasers, redeemers and exchangers whose orders are aggregated may not be known by a Fund. While the Funds monitor for market timing activity, the Funds may be unable to identify such activities because the netting effect in omnibus accounts often makes it more difficult to locate and eliminate market timers from the Funds. The Distributor has entered into agreements with respect to financial professionals, and other financial intermediaries that maintain omnibus accounts with the transfer agent pursuant to which such financial professionals and other financial intermediaries undertake to cooperate with the Distributor in monitoring purchase, exchange and redemption orders by their customers in order to detect and prevent short-term or excessive trading in the Funds' shares through such accounts. Identification of market timers may also be limited by operational systems and technical limitations. In the event that a financial intermediary is determined by a Fund to be engaged in market timing or other improper trading activity, the Fund's Distributor may terminate such financial intermediary's agreement with the Distributor, suspend such financial intermediary's trading privileges or take other appropriate actions.

There is no assurance that the methods described above will prevent market timing or other trading that may be deemed abusive.

The Funds may from time to time use other methods that they believe are appropriate to deter market timing or other trading activity that may be detrimental to the Funds or long-term shareholders.

Management of the Funds

BlackRock

BlackRock, each Fund's investment adviser, manages each Fund's investments and its business operations subject to the oversight of the Board of each of the Funds. While BlackRock is ultimately responsible for the management of the Funds, it is able to draw upon the trading, research and expertise of its asset management affiliates for portfolio decisions and management with respect to certain portfolio securities. BlackRock is an indirect, wholly-owned subsidiary of BlackRock, Inc.

BlackRock, a registered investment adviser, was organized in 1994 to perform advisory services for investment companies. BlackRock International Limited ("BIL"), a sub-adviser to each Fund, and BlackRock (Singapore) Limited ("BSL" and together with BIL, the "Sub-Advisers"), a sub-adviser to the BlackRock Total Return V.I. Fund, are registered investment advisers organized in 1995 and 2000, respectively. BlackRock and its affiliates had approximately \$9.090 trillion in investment company and other portfolio assets under management as of March 31, 2023.

Each Fund has entered into a management agreement (the "Management Agreement") with BlackRock. Under the Management Agreement, BlackRock receives for its services to each Fund a fee at an annual rate described below. The fee is computed daily on a Fund-by-Fund basis and payable monthly.

BlackRock High Yield V.I. Fund and BlackRock Total Return V.I. Fund

Portion of Aggregate Average Daily Value of Net Assets of both Funds:	Rate of Management Fee	
	BlackRock High Yield V.I. Fund	BlackRock Total Return V.I. Fund
Not exceeding \$250 million	0.55%	0.50%
In excess of \$250 million but not exceeding \$500 million	0.50%	0.45%
In excess of \$500 million but not exceeding \$750 million	0.45%	0.40%
In excess of \$750 million	0.40%	0.35%

The fee rates for the BlackRock High Yield V.I. Fund and the BlackRock Total Return V.I. Fund are applied to the average daily net assets of each Fund, with the reduced rates shown below applicable to portions of the assets of each Fund to the extent that the aggregate average daily net assets of the BlackRock High Yield V.I. Fund and the BlackRock Total Return V.I. Fund combined exceed \$250 million, \$500 million and \$750 million (each such amount being a "breakpoint level"). The portion of the assets of a Fund to which the rate at each breakpoint level applies will be determined on a "uniform percentage" basis. The uniform percentage applicable to a breakpoint level is determined by dividing the amount of the aggregate average daily net assets of the combined Funds that falls within that breakpoint level by the aggregate average daily net assets of the combined Funds. The amount of the fee for a Fund at each breakpoint level is determined by multiplying the average daily net assets of that Fund by the uniform percentage applicable to that breakpoint level and multiplying the product by the advisory fee rate.

BlackRock has contractually agreed to waive the management fee with respect to any portion of each Fund's assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee through June 30, 2024 for each Fund. In addition, BlackRock has contractually agreed to waive its management fees by the amount of investment advisory fees each Fund pays to BlackRock indirectly through its investment in money market funds managed by BlackRock or its affiliates, through June 30, 2024. The contractual agreements may be terminated upon 90 days' notice by a majority of the Independent Directors or by a vote of a majority of the outstanding voting securities of the Fund.

BlackRock has entered into a separate sub-advisory agreement with BIL, an affiliate of BlackRock, with respect to each of the Funds. Under each sub-advisory agreement, BlackRock pays BIL for services it provides for that portion of each Fund for which BIL acts as sub-adviser a fee equal to a percentage of the management fee paid to BlackRock under the Management Agreement with respect to the Fund.

BlackRock has entered into a sub-advisory agreement with BSL, an affiliate of BlackRock, with respect to the BlackRock Total Return V.I. Fund. Under the sub-advisory agreement, BlackRock pays BSL for services it provides for that portion of the BlackRock Total Return V.I. Fund for which BSL acts as sub-adviser a fee equal to a percentage of the management fee paid to BlackRock under the Management Agreement with respect to the BlackRock Total Return V.I. Fund.

BlackRock has agreed to cap net expenses (excluding (i) interest, taxes, dividends tied to short sales, brokerage commissions, and other expenditures which are capitalized in accordance with generally accepted accounting principles; (ii) a Fund's pro rata share of the fees and expenses incurred indirectly by the Fund as a result of investing in other investment companies; (iii) other expenses attributable to, and incurred as a result of, a Fund's investments; and (iv) extraordinary expenses (including litigation expenses) not incurred in the ordinary course of a Fund's business, if any) of each share class of certain Funds at the levels shown below and, in the case of contractual caps, in a Fund's fees and expenses table in the Fund Overview section of this prospectus. Items (i), (ii), (iii) and (iv) in the preceding sentence are referred to in this prospectus as "Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses." To achieve these expense caps, BlackRock has agreed to waive and/or reimburse fees or expenses if these operating expenses exceed a certain limit.

With respect to Class I shares of each Fund, as set forth in the table below, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements. With respect to Class I shares of certain Funds, BlackRock has contractually agreed to reimburse fees in order to limit operational and recordkeeping fees to the amounts noted in the table below.

	Contractual Caps¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)	Contractual Caps¹ on Total Annual Fund Operating Expenses² (including Interest Expense, and excluding Dividend Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)	Contractual Caps¹ on fees paid by Fund for Operational and Recordkeeping Services
High Yield V.I. Fund	1.25%	—	0.06%
Total Return V.I. Fund	0.60%	0.60%	0.00%

¹ The contractual caps for each Fund are in effect through June 30, 2024. The contractual agreement may be terminated, with respect to each Fund, upon 90 days' notice by a majority of the non-interested directors of the Company or by a vote of a majority of the outstanding voting securities of each Fund.

² As a percentage of average daily net assets and based on current fees.

The amount of the contractual waivers and/or reimbursements of fees and expenses made pursuant to the contractual cap on net expenses will be reduced by the amount of the affiliated money market fund waiver.

For the fiscal year ended December 31, 2022, the aggregate management fees, net of any applicable waivers, paid by each Fund to BlackRock as a percentage of each Fund's average daily net assets were:

Fund Name	Management Fee
High Yield V.I. Fund	0.45%
Total Return V.I. Fund	0.39%

A discussion of the basis for the Board's approval of the Management Agreement with respect to each of the Funds, the sub-advisory agreement between BlackRock and BIL with respect to each Fund and the sub-advisory agreement between BlackRock and BSL with respect to BlackRock Total Return V.I. Fund is included in each Fund's semi-annual shareholder report for the fiscal period ended June 30, 2022.

From time to time, a manager, analyst, or other employee of BlackRock or its affiliates may express views regarding a particular asset class, company, security, industry, or market sector. The views expressed by any such person are the views of only that individual as of the time expressed and do not necessarily represent the views of BlackRock or any other person within the BlackRock organization. Any such views are subject to change at any time based upon market or other conditions and BlackRock disclaims any responsibility to update such views. These views may not be relied on as investment advice and, because investment decisions for a Fund are based on numerous factors, may not be relied on as an indication of trading intent on behalf of a Fund.

Portfolio Manager Information

Information regarding the portfolio managers of each Fund is set forth below. Further information regarding the portfolio managers, including other accounts managed, compensation, ownership of Fund shares, and possible conflicts of interest, is available in the Funds' SAI.

BlackRock High Yield V.I. Fund

The Fund is managed by James Keenan, CFA, Mitchell Garfin, CFA, David Delbos and Derek Schoenhofen. Mr. Keenan is jointly and primarily responsible for setting the Fund's overall investment strategy and overseeing the Fund's investment process and performance. Messrs. Garfin, Delbos and Schoenhofen are jointly and primarily responsible for the day-to-day management of the Fund.

Portfolio Manager	Primary Role	Since*	Title and Recent Biography
James Keenan, CFA	Jointly and primarily responsible for setting the Fund's overall investment strategy and overseeing the Fund's investment process and performance.	2007	Managing Director of BlackRock, Inc. since 2008 and Head of the Leveraged Finance Portfolio team; Director of BlackRock, Inc. from 2006 to 2007.
Mitchell Garfin, CFA	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2009	Managing Director of BlackRock, Inc. since 2009; Director of BlackRock, Inc. from 2005 to 2008.
David Delbos	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2014	Managing Director of BlackRock, Inc. since 2012; Director of BlackRock, Inc. from 2007 to 2011; Vice President of BlackRock, Inc. from 2005 to 2006.
Derek Schoenhofen	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2009	Director of BlackRock, Inc. since 2006; Vice President of BlackRock, Inc. from 2000 to 2005.

* Includes management of the applicable Predecessor Fund.

BlackRock Total Return V.I. Fund

The Fund is managed by Rick Rieder, David Rogal and Chi Chen, who are jointly and primarily responsible for the day-to-day management of the Fund.

Portfolio Manager	Primary Role	Since	Title and Recent Biography
Rick Rieder	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2010*	Chief Investment Officer of Global Fixed Income, Head of Global Allocation Investment Team, member of the Global Executive Committee, Global Operating Committee and Chairman of the BlackRock, Inc. firmwide Investment Council; Managing Director of BlackRock, Inc. since 2009; President and Chief Executive Officer of R3 Capital Partners from 2008 to 2009; Managing Director of Lehman Brothers from 1994 to 2008.
David Rogal	Responsible for the day-to-day management of the Fund's portfolio including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2017*	Managing Director of BlackRock, Inc. since 2019; Director of BlackRock, Inc. from 2014 to 2019; Vice President of BlackRock, Inc. from 2011 to 2013.
Chi Chen	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2022	Director of BlackRock, Inc. since 2020; Vice President of BlackRock, Inc. from 2018 to 2019

* Includes management of the applicable Predecessor Fund.

Conflicts of Interest

The investment activities of BlackRock and its affiliates (including BlackRock, Inc. and its subsidiaries (collectively, the “Affiliates”)), and their respective directors, officers or employees, in the management of, or their interest in, their own accounts and other accounts they manage, may present conflicts of interest that could disadvantage the Funds and their shareholders.

BlackRock and its Affiliates provide investment management services to other funds and discretionary managed accounts that may follow investment programs similar to those of the Funds. BlackRock and its Affiliates are involved worldwide with a broad spectrum of financial services and asset management activities and may engage in the ordinary course of business in activities in which their interests or the interests of their clients may conflict with those of the Funds. BlackRock or one or more Affiliates act or may act as an investor, research provider, investment manager, commodity pool operator, commodity trading advisor, financier, underwriter, adviser, trader, lender, index provider, agent and/or principal, and have other direct and indirect interests in securities, currencies, commodities, derivatives and other instruments in which the Funds may directly or indirectly invest. The Funds may invest in securities of, or engage in other transactions with, companies with which an Affiliate has significant debt or equity investments or other interests. The Funds may also invest in issuances (such as structured notes) by entities for which an Affiliate provides and is compensated for cash management services relating to the proceeds from the sale of such issuances. The Funds also may invest in securities of, or engage in other transactions with, companies for which an Affiliate provides or may in the future provide research coverage. An Affiliate may have business relationships with, and purchase, or distribute or sell services or products from or to, distributors, consultants or others who recommend the Funds or who engage in transactions with or for the Funds, and may receive compensation for such services. BlackRock or one or more Affiliates may engage in proprietary trading and advise accounts and funds that have investment objectives similar to those of the Funds and/or that engage in and compete for transactions in the same types of securities, currencies and other instruments as the Funds. This may include transactions in securities issued by other open-end and closed-end investment companies (which may include investment companies that are affiliated with the Fund and BlackRock, to the extent permitted under the Investment Company Act). The trading activities of BlackRock and these Affiliates are carried out without reference to positions held directly or indirectly by the Funds and may result in BlackRock or an Affiliate having positions in certain securities that are senior or junior to, or have interests different from or adverse to, the securities that are owned by the Funds.

Neither BlackRock nor any Affiliate is under any obligation to share any investment opportunity, idea or strategy with the Funds. As a result, an Affiliate may compete with the Funds for appropriate investment opportunities. The results of the Funds’ investment activities, therefore, may differ from those of an Affiliate and of other accounts managed by BlackRock or an Affiliate, and it is possible that the Funds could sustain losses during periods in which one or more Affiliates and other accounts achieve profits on their trading for proprietary or other accounts. The opposite result is also possible.

In addition, the Funds may, from time to time, enter into transactions in which BlackRock or an Affiliate or their directors, officers or employees or other clients have an adverse interest. Furthermore, transactions undertaken by clients advised or managed by BlackRock or its Affiliates may adversely impact the Funds. Transactions by one or more clients or BlackRock or its Affiliates or their directors, officers or employees, may have the effect of diluting or otherwise disadvantaging the values, prices or investment strategies of the Funds. The Funds’ activities may be limited because of regulatory restrictions applicable to BlackRock or one or more Affiliates and/or their internal policies designed to comply with such restrictions.

Under a securities lending program approved by the Board, the Funds have retained BlackRock Investment Management, LLC (“BIM”), an Affiliate of BlackRock, to serve as the securities lending agent for the Funds to the extent that the Funds participate in the securities lending program. For these services, the securities lending agent will receive a fee from the Funds, including a fee based on the returns earned on the Funds’ investment of the cash received as collateral for the loaned securities. In addition, one or more Affiliates may be among the entities to which the Funds may lend its portfolio securities under the securities lending program.

The activities of BlackRock and its Affiliates and their respective directors, officers or employees, may give rise to other conflicts of interest that could disadvantage the Funds and their shareholders. BlackRock has adopted policies and procedures designed to address these potential conflicts of interest. See the SAI for further information.

Valuation of Fund Investments

When an Insurance Company purchases shares, the Insurance Company pays the net asset value. This is the offering price. Shares are also redeemed at their net asset value.

The net asset value used in determining a share price is the next one calculated after a purchase or redemption order is received. The net asset value of shares normally is determined once daily Monday through Friday, generally as of the close of regular trading hours of the NYSE (normally 4:00 p.m., Eastern time), on each day that the NYSE is open for

trading, based on prices at the time of closing, provided that any Fund assets or liabilities denominated in currencies other than the U.S. dollar are translated into U.S. dollars at the prevailing market rates on the date of valuation as quoted by one or more data service providers. The net asset value of shares is calculated by dividing the value of the net assets of each class of shares (i.e., the value of its total assets less total liabilities) by the total number of outstanding shares of the class, generally rounded to the nearest cent. Each business day, the Funds' net asset values are transmitted electronically to the Insurance Companies that use the Funds as underlying investment options for Contracts.

The value of the securities and other assets and liabilities held by a Fund are determined pursuant to BlackRock's valuation policies and procedures. BlackRock has been designated by the Board as the valuation designee for each Fund pursuant to Rule 2a-5 under the Investment Company Act.

Equity securities and other equity instruments for which market quotations are readily available are valued at market value, which is generally determined using the last reported official closing price or, if a reported closing price is not available, the last traded price on the exchange or market on which the security or instrument is primarily traded at the time of valuation. Shares of underlying open-end funds (including money market funds) are valued at net asset value. Shares of underlying exchange-traded closed-end funds or other ETFs are valued at their most recent closing price.

The Funds value fixed-income portfolio securities using last available bid prices or current market quotations provided by dealers or prices (including evaluated prices) supplied by the Funds' approved independent third-party pricing services, each in accordance with BlackRock's valuation policies and procedures. Pricing services may use matrix pricing or valuation models that utilize certain inputs and assumptions to derive values. Pricing services generally value fixed-income securities assuming orderly transactions of an institutional round lot size, but the Fund may hold or transact in such securities in smaller odd lot sizes. Odd lots may trade at lower prices than institutional round lots. An amortized cost method of valuation may be used with respect to debt obligations with 60 days or less remaining to maturity unless BlackRock determines in good faith that such method does not represent fair value.

Generally, trading in non-U.S. securities, U.S. government securities, money market instruments and certain fixed-income securities is substantially completed each day at various times prior to the close of business on the NYSE. The values of such securities used in computing the net asset value of a Fund's shares are determined as of such times.

When market quotations are not readily available or are believed by BlackRock to be unreliable, BlackRock will fair value a Fund's investments in accordance with its policies and procedures. BlackRock may conclude that a market quotation is not readily available or is unreliable if a security or other asset or liability does not have a price source due to its lack of trading or other reasons, if a market quotation differs significantly from recent price quotations or otherwise no longer appears to reflect fair value, where the security or other asset or liability is thinly traded, when there is a significant event subsequent to the most recent market quotation, or if the trading market on which a security is listed is suspended or closed and no appropriate alternative trading market is available. A "significant event" is deemed to occur if BlackRock determines, in its reasonable business judgment prior to or at the time of pricing a Fund's assets or liabilities, that the event is likely to cause a material change to the closing market price of one or more assets held by, or liabilities of, the Fund.

For certain foreign assets, a third-party vendor supplies evaluated, systematic fair value pricing based upon the movement of a proprietary multi-factor model after the relevant foreign markets have closed. This systematic fair value pricing methodology is designed to correlate the prices of foreign assets following the close of the local markets to the price that might have prevailed as of a Fund's pricing time.

Fair value represents a good faith approximation of the value of an asset or liability. The fair value of an asset or liability held by a Fund is the amount the Fund might reasonably expect to receive from the current sale of that asset or the cost to extinguish that liability in an arm's-length transaction. Valuing a Fund's investments using fair value pricing will result in prices that may differ from current market valuations and that may not be the prices at which those investments could have been sold during the period in which the particular fair values were used.

The Funds may accept orders from certain authorized financial intermediaries or their designees. The Funds will be deemed to receive an order when accepted by the financial intermediary or designee, and the order will receive the net asset value next computed by a Fund after such acceptance. If the payment for a purchase order is not made by a designated later time, the order will be canceled and the financial intermediary could be held liable for any losses.

Dividends and Taxes

The BlackRock High Yield V.I. Fund and BlackRock Total Return V.I. Fund declare dividends daily and reinvest dividends monthly in additional full and fractional shares of the respective Fund.

Each Fund has elected to be treated, and intends to qualify each year, as a regulated investment company under the Internal Revenue Code of 1986, as amended (the "Code"). In order to qualify to be taxable as a regulated investment company, each Fund must meet certain income and asset diversification tests and distribution requirements. As

regulated investment companies, the Funds will not be subject to federal income tax on their net investment income and net capital gains that they distribute to their shareholders.

In addition, in order for the Contract holders to be eligible for U.S. federal income tax deferral, each separate account of the Insurance Companies (referred to as “segregated asset accounts” for U.S. federal income tax purposes) must comply with certain asset diversification requirements and investor control prohibitions.

Diversification Requirements

Specifically, each segregated asset account is required to comply with the diversification requirements of Section 817(h) of the Code and the regulations thereunder relating to the tax-deferred status of segregated asset accounts. If a segregated asset account fails these requirements, Contract holders (rather than the Insurance Companies) would be treated for U.S. federal income tax purposes as the owners of the Fund shares and the income and gain from such Fund shares for the current and possibly prior taxable years could be taxable currently to the Contract holders. Contract holders could also be taxable in future years even if the segregated asset account subsequently complied with the diversification tests.

To satisfy these diversification requirements, as of the end of each calendar quarter or within 30 days thereafter, each segregated asset account must meet one of two tests. Either (i) the segregated asset account must have no more than 55% of its total assets represented by any one investment, no more than 70% by any two investments, no more than 80% by any three investments, and no more than 90% by any four investments or (ii) the segregated asset account must both (a) meet all the tax diversification requirements under Section 851(b)(3) of the Code (which are applicable to all regulated investment companies) and (b) have no more than 55% of the value of its total assets be attributable to cash, cash items (including receivables), Government securities or securities of other regulated investment companies. For purposes of the first test, all securities of the same issuer are considered a single investment, but in the case of Government securities, each Government agency or instrumentality is considered to be a separate issuer. An alternative diversification test may be available under certain circumstances.

Section 817(h) of the Code provides a look-through rule for purposes of testing the diversification of a segregated asset account that invests in a regulated investment company such as a Fund. If the look-through rule applies, a beneficial interest in a regulated investment company shall not be treated as a single investment of a segregated asset account; instead, a pro rata portion of each asset of the regulated investment company shall be treated as an asset of the segregated asset account.

Investor Control Prohibitions

For a Contract to qualify for U.S. federal income tax deferral, it must avoid the prohibition on investor control so that assets in the segregated asset accounts supporting the Contract are considered to be owned for U.S. federal income tax purposes by the Insurance Company and not by the Contract holder. Accordingly, a Contract holder should not have an impermissible level of control over a segregated asset account's or a Fund's investment in any particular asset. If the Contract holder were considered the owner of the Fund shares for U.S. federal income tax purposes, income and gain earned from such Fund shares for the current and prior taxable years would be taxable currently to the Contract holders.

Each Fund intends (1) to comply with the requirements necessary to allow a segregated asset account that invests in the Fund to look-through to the Fund's investments for purposes of satisfying the asset diversification requirements, (2) to comply with the asset diversification requirements necessary to prevent the Contract holders from losing their special tax treatment because of investments in the Fund, and (3) to comply with the requirements necessary to prevent the Contract holders from having an impermissible level of control over the Fund's assets.

Tax Treatment to Insurance Companies

Dividends paid by a Fund may be included in an Insurance Company's gross income. The tax treatment of these dividends depends on the Insurance Company's tax status. A description of an Insurance Company's tax status is contained in the prospectus for the Contract.

Dividends and interest received by a Fund and capital gains recognized by a Fund may give rise to withholding and other taxes imposed by foreign countries. Tax conventions between certain countries and the United States may reduce or eliminate such taxes. As a shareholder in a Fund, an Insurance Company may be able to claim a credit or take a deduction for foreign taxes paid by the Fund if certain requirements are met.

This section summarizes some of the consequences under current federal tax law of an investment in a Fund. It is not a substitute for individualized tax advice. Consult your tax adviser about the potential tax consequences of an investment in a Fund under all applicable tax laws.

General Information

Shareholder Documents

Please contact your Insurance Company for a copy of the Funds' annual and semi-annual reports.

Certain Fund Policies

Anti-Money Laundering Requirements

The Funds are subject to the USA PATRIOT Act (the "Patriot Act"). The Patriot Act is intended to prevent the use of the U.S. financial system in furtherance of money laundering, terrorism or other illicit activities. Pursuant to requirements under the Patriot Act, the Funds are required to obtain sufficient information from shareholders to enable it to form a reasonable belief that it knows the true identity of its shareholders. This information will be used to verify the identity of investors or, in some cases, the status of financial intermediaries. Such information may be verified using third-party sources. This information will be used only for compliance with the Patriot Act or other applicable laws, regulations and rules in connection with money laundering, terrorism or economic sanctions.

The Funds reserve the right to reject purchase orders from persons who have not submitted information sufficient to allow the Funds to verify their identity. The Funds also reserve the right to redeem any amounts in the Funds from persons whose identity it is unable to verify on a timely basis. It is the Funds' policy to cooperate fully with appropriate regulators in any investigations conducted with respect to potential money laundering, terrorism or other illicit activities.

BlackRock Privacy Principles

BlackRock is committed to maintaining the privacy of its current and former fund investors and individual clients (collectively, "Clients") and to safeguarding their non-public personal information. The following information is provided to help you understand what personal information BlackRock collects, how we protect that information and why in certain cases we share such information with select parties. If you are located in a jurisdiction where specific laws, rules or regulations require BlackRock to provide you with additional or different privacy-related rights beyond what is set forth below, then BlackRock will comply with those specific laws, rules or regulations.

BlackRock obtains or verifies personal non-public information from and about you from different sources, including the following: (i) information we receive from you or, if applicable, your financial intermediary, on applications, forms or other documents; (ii) information about your transactions with us, our affiliates, or others; (iii) information we receive from a consumer reporting agency; and (iv) from visits to our website.

BlackRock does not sell or disclose to non-affiliated third parties any non-public personal information about its Clients, except as permitted by law, or as is necessary to respond to regulatory requests or to service Client accounts. These non-affiliated third parties are required to protect the confidentiality and security of this information and to use it only for its intended purpose.

We may share information with our affiliates to service your account or to provide you with information about other BlackRock products or services that may be of interest to you. In addition, BlackRock restricts access to non-public personal information about its Clients to those BlackRock employees with a legitimate business need for the information. BlackRock maintains physical, electronic and procedural safeguards that are designed to protect the non-public personal information of its Clients, including procedures relating to the proper storage and disposal of such information.

Statement of Additional Information

If you would like further information about the Funds, including how the Funds invest, please see the SAI.

For a discussion of the Funds' policies and procedures regarding the selective disclosure of their portfolio holdings, please see the SAI.

Glossary

This glossary contains an explanation of some of the common terms used in this prospectus. For additional information about the Funds, please see the SAI.

Acquired Fund Fees and Expenses — The Fund's pro rata share of the fees and expenses incurred indirectly by the Fund as a result of investing in other investment companies.

Annual Fund Operating Expenses — expenses that cover the costs of operating a Fund.

Bloomberg U.S. Aggregate Bond Index — a broad-based flagship benchmark that measures the investment grade, U.S. dollar-denominated, fixed-rate taxable bond market. The index includes U.S. Treasuries, government-related and corporate securities, mortgage-backed securities (agency fixed-rate pass-throughs), asset-backed securities and commercial mortgage-backed securities (agency and non-agency).

Bloomberg U.S. Corporate High Yield 2% Issuer Capped Index — an unmanaged index comprised of issues that meet the following criteria: at least \$150 million par value outstanding; maximum credit rating of Ba1; at least one year to maturity; and no issuer represents more than 2% of the index.

Contract — the Funds offer their shares only to participating insurance companies. These insurance companies write variable annuity and/or variable life insurance contracts that allow the contract owner to choose a Fund as an investment option. The contract owner does not become a Fund shareholder.

Distribution Fees — fees used to support a Fund's marketing and distribution efforts, such as compensating financial professionals and other financial intermediaries, advertising and promotion.

Management Fee — a fee paid to BlackRock for managing a Fund.

Other Expenses — include accounting, transfer agency, custody, professional fees and registration fees.

Service Fees — fees used to compensate securities dealers and other financial intermediaries for certain shareholder servicing activities.

Shareholder Fees — fees paid directly by a shareholder, including sales charges that you may pay when you buy or sell shares of a Fund.

For More Information

Funds and Service Providers

THE FUNDS

BlackRock Variable Series Funds II, Inc.
100 Bellevue Parkway
Wilmington, Delaware 19809

Written Correspondence:

P.O. Box 534429
Pittsburgh, Pennsylvania 15253-4429

Overnight Mail:

Attention: 534429
500 Ross Street 154-0520
Pittsburgh, Pennsylvania 15262
(800) 537-4942

MANAGER

BlackRock Advisors, LLC
100 Bellevue Parkway
Wilmington, Delaware 19809

SUB-ADVISERS

BlackRock International Limited
Exchange Place One
1 Semple Street
Edinburgh, EH3 8BL, United Kingdom

BlackRock (Singapore) Limited^(a)
20 Anson Road #18-01
079912 Singapore

TRANSFER AGENT

BNY Mellon Investment Servicing (US) Inc.
301 Bellevue Parkway
Wilmington, Delaware 19809

INDEPENDENT REGISTERED PUBLIC

ACCOUNTING FIRM

Deloitte & Touche LLP
200 Berkeley Street
Boston, Massachusetts 02116

ACCOUNTING SERVICES PROVIDER

JPMorgan Chase Bank, N.A.
383 Madison Avenue, Floor 11
New York, New York 10179

DISTRIBUTOR

BlackRock Investments, LLC
50 Hudson Yards
New York, New York 10001

CUSTODIAN

JPMorgan Chase Bank, N.A.
383 Madison Avenue, Floor 11
New York, New York 10179

COUNSEL

Willkie Farr & Gallagher LLP
787 Seventh Avenue
New York, New York 10019-6099

^(a) For BlackRock Total Return V.I. Fund only.

Other Important Information

BlackRock Variable Series Funds II

Class III Shares

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Account Information

The Insurance Companies

Shares of the BlackRock High Yield V.I. Fund and the BlackRock Total Return V.I. Fund (each a “Fund” and collectively the “Funds”) are sold to separate accounts of insurance companies (the “Insurance Companies”) either directly or indirectly (through other variable insurance funds) to fund certain variable life insurance contracts and/or variable annuities (the “Contracts”) issued by the Insurance Companies.

Shares of the Funds are owned by the Insurance Companies, not Contract owners. A Contract owner has no direct interest in the shares of a Fund, but only in the Contract. A Contract is described in the prospectus for that Contract. That prospectus describes the relationship between changes in the value of shares of a Fund, and the benefits provided under a Contract. The prospectus for a Contract also describes various fees payable to the Insurance Company and charges to the separate account made by the Insurance Company with respect to the Contract. While this prospectus and the Statement of Additional Information (the “SAI”) are intended for use by Contract owners, because shares of the Funds will be sold only to the Insurance Companies for the separate accounts, the terms “you,” “your,” “shareholder” and “shareholders” in this prospectus may refer to the Insurance Companies.

More than one Insurance Company may invest in each Fund. It is possible that a difference may arise among the interests of Insurance Companies that invest in a Fund or the holders of different types of Contracts — for example, if applicable state insurance law or Contract owner instructions prevent an Insurance Company from continuing to invest in a Fund following a change in the Fund’s investment policies, or if different tax laws apply to variable life insurance contracts and variable annuities. The Funds and the Insurance Companies will attempt to monitor events to prevent such differences from arising. If a conflict between Insurance Companies occurs, or between life insurance policies and annuity contracts, however, a Fund may be required to take actions that are adverse to the interests of a particular Insurance Company and its Contract owners, or to the interests of holders of a particular type of Contract.

How to Buy and Sell Shares

The BlackRock Variable Series Funds II, Inc. (the “Company”) is offering through this prospectus Class III Shares in certain Funds to the Insurance Companies. The price of shares purchased by the Insurance Companies is based on the next calculation of the per share net asset value of a Fund after an order is placed. The Company may reject any order to buy shares and may suspend the sale of shares at any time. The Company will redeem all full and fractional shares of the Funds for cash. The price of redeemed shares is based on the next calculation of net asset value after a redemption order is placed. The value of shares at the time of redemption may be more or less than the shareholder’s cost, depending in part on the net asset value of such shares at such time.

Short-Term Trading Policy

The Company’s Board of Directors (the “Board”) has determined that the interests of long-term shareholders and a Fund’s ability to manage its investments may be adversely affected when shares are repeatedly bought, sold or exchanged in response to short-term market fluctuations — also known as “market timing.” The Funds are not designed for market timing organizations or other entities using programmed or frequent purchases and sales or exchanges. The exchange privilege is not intended as a vehicle for short-term trading. Excessive purchase and sale or exchange activity may interfere with portfolio management, increase expenses and taxes and may have an adverse effect on the performance of a Fund and its returns to shareholders. For example, large flows of cash into and out of a Fund may require the management team to allocate a significant amount of assets to cash or other short-term investments or sell securities, rather than maintaining such assets in securities selected to achieve a Fund’s investment objective. Frequent trading may cause a Fund to sell securities at less favorable prices, and transaction costs, such as brokerage commissions, can reduce a Fund’s performance.

A fund’s investment in non-U.S. securities is subject to the risk that an investor may seek to take advantage of a delay between the change in value of such fund’s portfolio securities and the determination of the fund’s net asset value as a result of different closing times of U.S. and non-U.S. markets by buying or selling fund shares at a price that does not reflect their true value. A similar risk exists for funds that invest in securities of small capitalization companies, securities of issuers located in emerging markets or high yield securities (“junk bonds”) that are thinly traded and therefore may have actual values that differ from their market prices. This short-term arbitrage activity can reduce the return received by long-term shareholders. Each Fund will seek to eliminate these opportunities by using fair value pricing, as described in “Management of the Funds — Valuation of Fund Investments” below.

The Funds discourage market timing and seek to prevent frequent purchases and sales or exchanges of Fund shares that they determine may be detrimental to a Fund or long-term shareholders. The Board has approved the policies

discussed below to seek to deter market timing activity. The Board has not adopted any specific numerical restrictions on purchases, sales and exchanges of Fund shares because certain legitimate strategies will not result in harm to a Fund or its shareholders.

If as a result of its own investigation, information provided by a financial intermediary or other third party, or otherwise, a Fund believes, in its sole discretion, that your short-term trading is excessive or that you are engaging in market timing activity, it reserves the right to reject any specific purchase or exchange order. If a Fund rejects your purchase or exchange order, you will not be able to execute that transaction, and such Fund will not be responsible for any losses you therefore may suffer. For transactions placed directly with a Fund, such Fund may consider the trading history of accounts under common ownership or control for the purpose of enforcing these policies. Transactions placed through the same financial intermediary on an omnibus basis may be deemed part of a group for the purpose of this policy and may be rejected in whole or in part by a Fund. Certain accounts, such as omnibus accounts and accounts at financial intermediaries, however, include multiple investors and such accounts typically provide a Fund with net purchase or redemption and exchange requests on any given day where purchases, redemptions and exchanges of shares are netted against one another and the identity of individual purchasers, redeemers and exchangers whose orders are aggregated may not be known by a Fund. While the Funds monitor for market timing activity, the Funds may be unable to identify such activities because the netting effect in omnibus accounts often makes it more difficult to locate and eliminate market timers from the Funds. BlackRock Investments, LLC (the “Distributor”) has entered into agreements with respect to financial professionals, and other financial intermediaries that maintain omnibus accounts with the transfer agent pursuant to which such financial professionals and other financial intermediaries undertake to cooperate with the Distributor in monitoring purchase, exchange and redemption orders by their customers in order to detect and prevent short-term or excessive trading in the Funds’ shares through such accounts. Identification of market timers may also be limited by operational systems and technical limitations. In the event that a financial intermediary is determined by a Fund to be engaged in market timing or other improper trading activity, the Fund’s Distributor may terminate such financial intermediary’s agreement with the Distributor, suspend such financial intermediary’s trading privileges or take other appropriate actions.

There is no assurance that the methods described above will prevent market timing or other trading that may be deemed abusive.

The Funds may from time to time use other methods that they believe are appropriate to deter market timing or other trading activity that may be detrimental to the Funds or long-term shareholders.

Rule 12b-1 Fees for Class III Shares

The Company has adopted a plan under Rule 12b-1 of the Investment Company Act of 1940, as amended (the “Plan”), that allows a Fund to pay distribution fees to each of the participating Insurance Companies or broker-dealer affiliates thereof (“Insurance Company Affiliates”) for the sale and distribution of its Class III Shares. Because these fees are paid out of a Fund’s assets on an on-going basis, over time these fees will increase the cost of your investment and may cost you more than paying other types of sales charges. Class III shareholders have no other purchase option. The amount of the distribution fee payable under the plan equals 0.25% of the average daily net asset value of the Class III Shares of a Fund held by the participating Insurance Company.

The distribution fee may be used to pay the participating Insurance Companies or Insurance Company Affiliates for distribution-related and/or shareholder services provided in connection with the sale of Class III Shares. The distribution fee may also be used to pay Insurance Companies, Insurance Company Affiliates and other financial intermediaries (“Service Organizations”) for sales support services and related expenses.

In addition to, rather than in lieu of, distribution fees that a Fund may pay to a Service Organization pursuant to a Plan and fees a Fund pays to its transfer agent, if approved by the Board, BlackRock, on behalf of the Funds, may enter into non-Plan agreements with a Service Organization pursuant to which a Fund will pay a Service Organization for administrative, networking, recordkeeping, subtransfer agency and shareholder services. These non-Plan payments are based on a percentage of the average daily net assets of Fund shareholders serviced by a Service Organization. The aggregate amount of these payments may be substantial.

From time to time, BlackRock, the Distributor and their affiliates may compensate affiliated and unaffiliated Service Organizations for the sale and distribution of shares of the Funds. These payments would be in addition to the Fund payments described above, if approved by the Board, and may be a fixed dollar amount, may be based on the number of customer accounts maintained by the Service Organization, may be based on a percentage of the value of shares sold to, or held by, customers of the Service Organization or may be calculated on another basis. The aggregate amount of these payments by BlackRock, the Distributor and their affiliates may be substantial and, in some circumstances, these revenue sharing payments may create an incentive for a Service Organization, its employees or associated persons to recommend or sell shares of the Funds to you. Please contact your Service Organization for details about payments it may receive from the Funds or from BlackRock, the Distributor or their affiliates. For more information, see the SAI.

Management of the Funds

BlackRock

BlackRock, each Fund’s investment adviser, manages each Fund’s investments and its business operations subject to the oversight of the Board of each of the Funds. While BlackRock is ultimately responsible for the management of the Funds, it is able to draw upon the trading, research and expertise of its asset management affiliates for portfolio decisions and management with respect to certain portfolio securities. BlackRock is an indirect, wholly-owned subsidiary of BlackRock, Inc.

BlackRock, a registered investment adviser, was organized in 1994 to perform advisory services for investment companies. BlackRock International Limited (“BIL”), a sub-adviser to each Fund, and BlackRock (Singapore) Limited (“BSL” and together with BIL, the “Sub-Advisers”), a sub-adviser to the BlackRock Total Return V.I. Fund, are registered investment advisers organized in 1995 and 2000, respectively. BlackRock and its affiliates had approximately \$9.090 trillion in investment company and other portfolio assets under management as of March 31, 2023.

Each Fund has entered into a management agreement (the “Management Agreement”) with BlackRock. Under the Management Agreement, BlackRock receives for its services to each Fund a fee at an annual rate described below. The fee is computed daily on a Fund-by-Fund basis and payable monthly.

BlackRock High Yield V.I. Fund and BlackRock Total Return V.I. Fund

Portion of Aggregate Average Daily Value of Net Assets of both Funds:	Rate of Management Fee	
	BlackRock High Yield V.I. Fund	BlackRock Total Return V.I. Fund
Not exceeding \$250 million	0.55%	0.50%
In excess of \$250 million but not exceeding \$500 million	0.50%	0.45%
In excess of \$500 million but not exceeding \$750 million	0.45%	0.40%
In excess of \$750 million	0.40%	0.35%

The fee rates for the BlackRock High Yield V.I. Fund and the BlackRock Total Return V.I. Fund are applied to the average daily net assets of each Fund, with the reduced rates shown below applicable to portions of the assets of each Fund to the extent that the aggregate average daily net assets of the BlackRock High Yield V.I. Fund and the BlackRock Total Return V.I. Fund combined exceed \$250 million, \$500 million and \$750 million (each such amount being a “breakpoint level”). The portion of the assets of a Fund to which the rate at each breakpoint level applies will be determined on a “uniform percentage” basis. The uniform percentage applicable to a breakpoint level is determined by dividing the amount of the aggregate average daily net assets of the combined Funds that falls within that breakpoint level by the aggregate average daily net assets of the combined Funds. The amount of the fee for a Fund at each breakpoint level is determined by multiplying the average daily net assets of that Fund by the uniform percentage applicable to that breakpoint level and multiplying the product by the advisory fee rate.

BlackRock has contractually agreed to waive the management fee with respect to any portion of each Fund’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee through June 30, 2024 for each Fund. In addition, BlackRock has contractually agreed to waive its management fees by the amount of investment advisory fees each Fund pays to BlackRock indirectly through its investment in money market funds managed by BlackRock or its affiliates, through June 30, 2024. The contractual agreements may be terminated upon 90 days’ notice by a majority of the Independent Directors or by a vote of a majority of the outstanding voting securities of the Fund.

BlackRock has entered into a separate sub-advisory agreement with BIL, an affiliate of BlackRock, with respect to each of the Funds. Under each sub-advisory agreement, BlackRock pays BIL for services it provides for that portion of each Fund for which BIL acts as sub-adviser a fee equal to a percentage of the management fee paid to BlackRock under the Management Agreement with respect to the Fund.

BlackRock has entered into a sub-advisory agreement with BSL, an affiliate of BlackRock, with respect to the BlackRock Total Return V.I. Fund. Under the sub-advisory agreement, BlackRock pays BSL for services it provides for that portion of the BlackRock Total Return V.I. Fund for which BSL acts as sub-adviser a fee equal to a percentage of the management fee paid to BlackRock under the Management Agreement with respect to the BlackRock Total Return V.I. Fund.

BlackRock has agreed to cap net expenses (excluding (i) interest, taxes, dividends tied to short sales, brokerage commissions, and other expenditures which are capitalized in accordance with generally accepted accounting principles; (ii) a Fund's pro rata share of the fees and expenses incurred indirectly by the Fund as a result of investing in other investment companies; (iii) other expenses attributable to, and incurred as a result of, a Fund's investments; and (iv) extraordinary expenses (including litigation expenses) not incurred in the ordinary course of a Fund's business, if any) of each share class of certain Funds at the levels shown below and, in the case of contractual caps, in a Fund's fees and expenses table in the Fund Overview section of this prospectus. Items (i), (ii), (iii) and (iv) in the preceding sentence are referred to in this prospectus as "Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses." To achieve these expense caps, BlackRock has agreed to waive and/or reimburse fees or expenses if these operating expenses exceed a certain limit.

With respect to Class III shares of each Fund, as set forth in the table below, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements. With respect to Class III shares of certain Funds, BlackRock has contractually agreed to reimburse fees in order to limit operational and recordkeeping fees to the amounts noted in the table below.

	Contractual Caps¹ on Total Annual Fund Operating Expenses² (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses)	Contractual Caps¹ on fees paid by Fund for Operational and Recordkeeping Services
High Yield V.I. Fund	1.50%	0.05%
Total Return V.I. Fund	1.50%	0.06%

¹ The contractual caps for each Fund are in effect through June 30, 2024. The contractual agreement may be terminated, with respect to each Fund, upon 90 days' notice by a majority of the non-interested directors of the Company or by a vote of a majority of the outstanding voting securities of each Fund.

² As a percentage of average daily net assets and based on current fees.

The amount of the contractual waivers and/or reimbursements of fees and expenses made pursuant to the contractual cap on net expenses will be reduced by the amount of the affiliated money market fund waiver.

For the fiscal year ended December 31, 2022, the aggregate management fees, net of any applicable waivers, paid by each Fund to BlackRock as a percentage of each Fund's average daily net assets were:

Fund Name	Management Fee
High Yield V.I. Fund	0.45%
Total Return V.I. Fund	0.39%

A discussion of the basis for the Board's approval of the Management Agreement with respect to each of the Funds, the sub-advisory agreement between BlackRock and BIL with respect to each Fund and the sub-advisory agreement between BlackRock and BSL with respect to BlackRock Total Return V.I. Fund is included in each Fund's semi-annual shareholder report for the fiscal period ended June 30, 2022.

From time to time, a manager, analyst, or other employee of BlackRock or its affiliates may express views regarding a particular asset class, company, security, industry, or market sector. The views expressed by any such person are the views of only that individual as of the time expressed and do not necessarily represent the views of BlackRock or any other person within the BlackRock organization. Any such views are subject to change at any time based upon market or other conditions and BlackRock disclaims any responsibility to update such views. These views may not be relied on as investment advice and, because investment decisions for a Fund are based on numerous factors, may not be relied on as an indication of trading intent on behalf of a Fund.

Portfolio Manager Information

Information regarding the portfolio managers of each Fund is set forth below. Further information regarding the portfolio managers, including other accounts managed, compensation, ownership of Fund shares, and possible conflicts of interest, is available in the Funds' SAI.

BlackRock High Yield V.I. Fund

The Fund is managed by James Keenan, CFA, Mitchell Garfin, CFA, David Delbos and Derek Schoenhofen. Mr. Keenan is jointly and primarily responsible for setting the Fund's overall investment strategy and overseeing the Fund's investment process and performance. Messrs. Garfin, Delbos and Schoenhofen are jointly and primarily responsible for the day-to-day management of the Fund.

Portfolio Manager	Primary Role	Since*	Title and Recent Biography
James Keenan, CFA	Jointly and primarily responsible for setting the Fund's overall investment strategy and overseeing the Fund's investment process and performance.	2007	Managing Director of BlackRock, Inc. since 2008 and Head of the Leveraged Finance Portfolio team; Director of BlackRock, Inc. from 2006 to 2007.
Mitchell Garfin, CFA	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2009	Managing Director of BlackRock, Inc. since 2009; Director of BlackRock, Inc. from 2005 to 2008.
David Delbos	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2014	Managing Director of BlackRock, Inc. since 2012; Director of BlackRock, Inc. from 2007 to 2011; Vice President of BlackRock, Inc. from 2005 to 2006.
Derek Schoenhofen	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2009	Director of BlackRock, Inc. since 2006; Vice President of BlackRock, Inc. from 2000 to 2005.

* Includes management of the applicable Predecessor Fund.

BlackRock Total Return V.I. Fund

The Fund is managed by Rick Rieder, David Rogal and Chi Chen, who are jointly and primarily responsible for the day-to-day management of the Fund.

Portfolio Manager	Primary Role	Since	Title and Recent Biography
Rick Rieder	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2010*	Chief Investment Officer of Global Fixed Income, Head of Global Allocation Investment Team, member of the Global Executive Committee, Global Operating Committee and Chairman of the BlackRock, Inc. firmwide Investment Council; Managing Director of BlackRock, Inc. since 2009; President and Chief Executive Officer of R3 Capital Partners from 2008 to 2009; Managing Director of Lehman Brothers from 1994 to 2008.
David Rogal	Responsible for the day-to-day management of the Fund's portfolio including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2017*	Managing Director of BlackRock, Inc. since 2019; Director of BlackRock, Inc. from 2014 to 2019; Vice President of BlackRock, Inc. from 2011 to 2013.
Chi Chen	Jointly and primarily responsible for the day-to-day management of the Fund's portfolio, including setting the Fund's overall investment strategy and overseeing the management of the Fund.	2022	Director of BlackRock, Inc. since 2020; Vice President of BlackRock, Inc. from 2018 to 2019

* Includes management of the applicable Predecessor Fund.

Conflicts of Interest

The investment activities of BlackRock and its affiliates (including BlackRock, Inc. and its subsidiaries (collectively, the “Affiliates”)), and their respective directors, officers or employees, in the management of, or their interest in, their own accounts and other accounts they manage, may present conflicts of interest that could disadvantage the Funds and their shareholders.

BlackRock and its Affiliates provide investment management services to other funds and discretionary managed accounts that may follow investment programs similar to those of the Funds. BlackRock and its Affiliates are involved worldwide with a broad spectrum of financial services and asset management activities and may engage in the ordinary course of business in activities in which their interests or the interests of their clients may conflict with those of the Funds. BlackRock or one or more Affiliates act or may act as an investor, research provider, investment manager, commodity pool operator, commodity trading advisor, financier, underwriter, adviser, trader, lender, index provider, agent and/or principal, and have other direct and indirect interests in securities, currencies, commodities, derivatives and other instruments in which the Funds may directly or indirectly invest. The Funds may invest in securities of, or engage in other transactions with, companies with which an Affiliate has significant debt or equity investments or other interests. The Funds may also invest in issuances (such as structured notes) by entities for which an Affiliate provides and is compensated for cash management services relating to the proceeds from the sale of such issuances. The Funds also may invest in securities of, or engage in other transactions with, companies for which an Affiliate provides or may in the future provide research coverage. An Affiliate may have business relationships with, and purchase, or distribute or sell services or products from or to, distributors, consultants or others who recommend the Funds or who engage in transactions with or for the Funds, and may receive compensation for such services. BlackRock or one or more Affiliates may engage in proprietary trading and advise accounts and funds that have investment objectives similar to those of the Funds and/or that engage in and compete for transactions in the same types of securities, currencies and other instruments as the Funds. This may include transactions in securities issued by other open-end and closed-end investment companies (which may include investment companies that are affiliated with the Fund and BlackRock, to the extent permitted under the Investment Company Act). The trading activities of BlackRock and these Affiliates are carried out without reference to positions held directly or indirectly by the Funds and may result in BlackRock or an Affiliate having positions in certain securities that are senior or junior to, or have interests different from or adverse to, the securities that are owned by the Funds.

Neither BlackRock nor any Affiliate is under any obligation to share any investment opportunity, idea or strategy with the Funds. As a result, an Affiliate may compete with the Funds for appropriate investment opportunities. The results of the Funds’ investment activities, therefore, may differ from those of an Affiliate and of other accounts managed by BlackRock or an Affiliate, and it is possible that the Funds could sustain losses during periods in which one or more Affiliates and other accounts achieve profits on their trading for proprietary or other accounts. The opposite result is also possible.

In addition, the Funds may, from time to time, enter into transactions in which BlackRock or an Affiliate or their directors, officers or employees or other clients have an adverse interest. Furthermore, transactions undertaken by clients advised or managed by BlackRock or its Affiliates may adversely impact the Funds. Transactions by one or more clients or BlackRock or its Affiliates or their directors, officers or employees, may have the effect of diluting or otherwise disadvantaging the values, prices or investment strategies of the Funds. The Funds’ activities may be limited because of regulatory restrictions applicable to BlackRock or one or more Affiliates and/or their internal policies designed to comply with such restrictions.

Under a securities lending program approved by the Board, the Funds have retained BlackRock Investment Management, LLC (“BIM”), an Affiliate of BlackRock, to serve as the securities lending agent for the Funds to the extent that the Funds participate in the securities lending program. For these services, the securities lending agent will receive a fee from the Funds, including a fee based on the returns earned on the Funds’ investment of the cash received as collateral for the loaned securities. In addition, one or more Affiliates may be among the entities to which the Funds may lend its portfolio securities under the securities lending program.

The activities of BlackRock and its Affiliates and their respective directors, officers or employees, may give rise to other conflicts of interest that could disadvantage the Funds and their shareholders. BlackRock has adopted policies and procedures designed to address these potential conflicts of interest. See the SAI for further information.

Valuation of Fund Investments

When an Insurance Company purchases shares, the Insurance Company pays the net asset value. This is the offering price. Shares are also redeemed at their net asset value.

The net asset value used in determining a share price is the next one calculated after a purchase or redemption order is received. The net asset value of shares normally is determined once daily Monday through Friday, generally as of the close of regular trading hours of the NYSE (normally 4:00 p.m., Eastern time), on each day that the NYSE is open for

trading, based on prices at the time of closing, provided that any Fund assets or liabilities denominated in currencies other than the U.S. dollar are translated into U.S. dollars at the prevailing market rates on the date of valuation as quoted by one or more data service providers. The net asset value of shares is calculated by dividing the value of the net assets of each class of shares (i.e., the value of its total assets less total liabilities) by the total number of outstanding shares of the class, generally rounded to the nearest cent. Each business day, the Funds' net asset values are transmitted electronically to the Insurance Companies that use the Funds as underlying investment options for Contracts.

The value of the securities and other assets and liabilities held by a Fund are determined pursuant to BlackRock's valuation policies and procedures. BlackRock has been designated by the Board as the valuation designee for each Fund pursuant to Rule 2a-5 under the Investment Company Act.

Equity securities and other equity instruments for which market quotations are readily available are valued at market value, which is generally determined using the last reported official closing price or, if a reported closing price is not available, the last traded price on the exchange or market on which the security or instrument is primarily traded at the time of valuation. Shares of underlying open-end funds (including money market funds) are valued at net asset value. Shares of underlying exchange-traded closed-end funds or other ETFs are valued at their most recent closing price.

The Funds value fixed-income portfolio securities using last available bid prices or current market quotations provided by dealers or prices (including evaluated prices) supplied by the Funds' approved independent third-party pricing services, each in accordance with BlackRock's valuation policies and procedures. Pricing services may use matrix pricing or valuation models that utilize certain inputs and assumptions to derive values. Pricing services generally value fixed-income securities assuming orderly transactions of an institutional round lot size, but the Fund may hold or transact in such securities in smaller odd lot sizes. Odd lots may trade at lower prices than institutional round lots. An amortized cost method of valuation may be used with respect to debt obligations with 60 days or less remaining to maturity unless BlackRock determines in good faith that such method does not represent fair value.

Generally, trading in non-U.S. securities, U.S. government securities, money market instruments and certain fixed-income securities is substantially completed each day at various times prior to the close of business on the NYSE. The values of such securities used in computing the net asset value of a Fund's shares are determined as of such times.

When market quotations are not readily available or are believed by BlackRock to be unreliable, BlackRock will fair value a Fund's investments in accordance with its policies and procedures. BlackRock may conclude that a market quotation is not readily available or is unreliable if a security or other asset or liability does not have a price source due to its lack of trading or other reasons, if a market quotation differs significantly from recent price quotations or otherwise no longer appears to reflect fair value, where the security or other asset or liability is thinly traded, when there is a significant event subsequent to the most recent market quotation, or if the trading market on which a security is listed is suspended or closed and no appropriate alternative trading market is available. A "significant event" is deemed to occur if BlackRock determines, in its reasonable business judgment prior to or at the time of pricing a Fund's assets or liabilities, that the event is likely to cause a material change to the closing market price of one or more assets held by, or liabilities of, the Fund.

For certain foreign assets, a third-party vendor supplies evaluated, systematic fair value pricing based upon the movement of a proprietary multi-factor model after the relevant foreign markets have closed. This systematic fair value pricing methodology is designed to correlate the prices of foreign assets following the close of the local markets to the price that might have prevailed as of a Fund's pricing time.

Fair value represents a good faith approximation of the value of an asset or liability. The fair value of an asset or liability held by a Fund is the amount the Fund might reasonably expect to receive from the current sale of that asset or the cost to extinguish that liability in an arm's-length transaction. Valuing a Fund's investments using fair value pricing will result in prices that may differ from current market valuations and that may not be the prices at which those investments could have been sold during the period in which the particular fair values were used.

The Funds may accept orders from certain authorized financial intermediaries or their designees. The Funds will be deemed to receive an order when accepted by the financial intermediary or designee, and the order will receive the net asset value next computed by a Fund after such acceptance. If the payment for a purchase order is not made by a designated later time, the order will be canceled and the financial intermediary could be held liable for any losses.

Dividends and Taxes

The BlackRock High Yield V.I. Fund and BlackRock Total Return V.I. Fund declare dividends daily and reinvest dividends monthly in additional full and fractional shares of the respective Fund.

Each Fund has elected to be treated, and intends to qualify each year, as a regulated investment company under the Internal Revenue Code of 1986, as amended (the "Code"). In order to qualify to be taxable as a regulated investment

company, each Fund must meet certain income and asset diversification tests and distribution requirements. As regulated investment companies, the Funds will not be subject to federal income tax on their net investment income and net capital gains that they distribute to their shareholders.

In addition, in order for the Contract holders to be eligible for U.S. federal income tax deferral, each separate account of the Insurance Companies (referred to as “segregated asset accounts” for U.S. federal income tax purposes) must comply with certain asset diversification requirements and investor control prohibitions.

Diversification Requirements

Specifically, each segregated asset account is required to comply with the diversification requirements of Section 817(h) of the Code and the regulations thereunder relating to the tax-deferred status of segregated asset accounts. If a segregated asset account fails these requirements, Contract holders (rather than the Insurance Companies) would be treated for U.S. federal income tax purposes as the owners of the Fund shares and the income and gain from such Fund shares for the current and possibly prior taxable years could be taxable currently to the Contract holders. Contract holders could also be taxable in future years even if the segregated asset account subsequently complied with the diversification tests.

To satisfy these diversification requirements, as of the end of each calendar quarter or within 30 days thereafter, each segregated asset account must meet one of two tests. Either (i) the segregated asset account must have no more than 55% of its total assets represented by any one investment, no more than 70% by any two investments, no more than 80% by any three investments, and no more than 90% by any four investments or (ii) the segregated asset account must both (a) meet all the tax diversification requirements under Section 851(b)(3) of the Code (which are applicable to all regulated investment companies) and (b) have no more than 55% of the value of its total assets be attributable to cash, cash items (including receivables), Government securities or securities of other regulated investment companies. For purposes of the first test, all securities of the same issuer are considered a single investment, but in the case of Government securities, each Government agency or instrumentality is considered to be a separate issuer. An alternative diversification test may be available under certain circumstances.

Section 817(h) of the Code provides a look-through rule for purposes of testing the diversification of a segregated asset account that invests in a regulated investment company such as a Fund. If the look-through rule applies, a beneficial interest in a regulated investment company shall not be treated as a single investment of a segregated asset account; instead, a pro rata portion of each asset of the regulated investment company shall be treated as an asset of the segregated asset account.

Investor Control Prohibitions

For a Contract to qualify for U.S. federal income tax deferral, it must avoid the prohibition on investor control so that assets in the segregated asset accounts supporting the Contract are considered to be owned for U.S. federal income tax purposes by the Insurance Company and not by the Contract holder. Accordingly, a Contract holder should not have an impermissible level of control over a segregated asset account's or a Fund's investment in any particular asset. If the Contract holder were considered the owner of the Fund shares for U.S. federal income tax purposes, income and gain earned from such Fund shares for the current and prior taxable years would be taxable currently to the Contract holders.

Each Fund intends (1) to comply with the requirements necessary to allow a segregated asset account that invests in the Fund to look-through to the Fund's investments for purposes of satisfying the asset diversification requirements, (2) to comply with the asset diversification requirements necessary to prevent the Contract holders from losing their special tax treatment because of investments in the Fund, and (3) to comply with the requirements necessary to prevent the Contract holders from having an impermissible level of control over the Fund's assets.

Tax Treatment to Insurance Companies

Dividends paid by a Fund may be included in an Insurance Company's gross income. The tax treatment of these dividends depends on the Insurance Company's tax status. A description of an Insurance Company's tax status is contained in the prospectus for the Contract.

Dividends and interest received by a Fund and capital gains recognized by a Fund may give rise to withholding and other taxes imposed by foreign countries. Tax conventions between certain countries and the United States may reduce or eliminate such taxes. As a shareholder in a Fund, an Insurance Company may be able to claim a credit or take a deduction for foreign taxes paid by the Fund if certain requirements are met.

This section summarizes some of the consequences under current federal tax law of an investment in a Fund. It is not a substitute for individualized tax advice. Consult your tax adviser about the potential tax consequences of an investment in a Fund under all applicable tax laws.

General Information

Shareholder Documents

Please contact your Insurance Company for a copy of the Funds' annual and semi-annual reports.

Certain Fund Policies

Anti-Money Laundering Requirements

The Funds are subject to the USA PATRIOT Act (the "Patriot Act"). The Patriot Act is intended to prevent the use of the U.S. financial system in furtherance of money laundering, terrorism or other illicit activities. Pursuant to requirements under the Patriot Act, the Funds are required to obtain sufficient information from shareholders to enable it to form a reasonable belief that it knows the true identity of its shareholders. This information will be used to verify the identity of investors or, in some cases, the status of financial intermediaries. Such information may be verified using third-party sources. This information will be used only for compliance with the Patriot Act or other applicable laws, regulations and rules in connection with money laundering, terrorism or economic sanctions.

The Funds reserve the right to reject purchase orders from persons who have not submitted information sufficient to allow the Funds to verify their identity. The Funds also reserve the right to redeem any amounts in the Funds from persons whose identity it is unable to verify on a timely basis. It is the Funds' policy to cooperate fully with appropriate regulators in any investigations conducted with respect to potential money laundering, terrorism or other illicit activities.

BlackRock Privacy Principles

BlackRock is committed to maintaining the privacy of its current and former fund investors and individual clients (collectively, "Clients") and to safeguarding their non-public personal information. The following information is provided to help you understand what personal information BlackRock collects, how we protect that information and why in certain cases we share such information with select parties. If you are located in a jurisdiction where specific laws, rules or regulations require BlackRock to provide you with additional or different privacy-related rights beyond what is set forth below, then BlackRock will comply with those specific laws, rules or regulations.

BlackRock obtains or verifies personal non-public information from and about you from different sources, including the following: (i) information we receive from you or, if applicable, your financial intermediary, on applications, forms or other documents; (ii) information about your transactions with us, our affiliates, or others; (iii) information we receive from a consumer reporting agency; and (iv) from visits to our website.

BlackRock does not sell or disclose to non-affiliated third parties any non-public personal information about its Clients, except as permitted by law, or as is necessary to respond to regulatory requests or to service Client accounts. These non-affiliated third parties are required to protect the confidentiality and security of this information and to use it only for its intended purpose.

We may share information with our affiliates to service your account or to provide you with information about other BlackRock products or services that may be of interest to you. In addition, BlackRock restricts access to non-public personal information about its Clients to those BlackRock employees with a legitimate business need for the information. BlackRock maintains physical, electronic and procedural safeguards that are designed to protect the non-public personal information of its Clients, including procedures relating to the proper storage and disposal of such information.

Statement of Additional Information

If you would like further information about the Funds, including how the Funds invest, please see the SAI.

For a discussion of the Funds' policies and procedures regarding the selective disclosure of their portfolio holdings, please see the SAI.

Glossary

This glossary contains an explanation of some of the common terms used in this prospectus. For additional information about the Funds, please see the SAI.

Acquired Fund Fees and Expenses — The Fund's pro rata share of the fees and expenses incurred indirectly by the Fund as a result of investing in other investment companies.

Annual Fund Operating Expenses — expenses that cover the costs of operating a Fund.

Bloomberg U.S. Aggregate Bond Index — a broad-based flagship benchmark that measures the investment grade, U.S. dollar-denominated, fixed-rate taxable bond market. The index includes U.S. Treasuries, government-related and corporate securities, mortgage-backed securities (agency fixed-rate pass-throughs), asset-backed securities and commercial mortgage-backed securities (agency and non-agency).

Bloomberg U.S. Corporate High Yield 2% Issuer Capped Index — an unmanaged index comprised of issues that meet the following criteria: at least \$150 million par value outstanding; maximum credit rating of Ba1; at least one year to maturity; and no issuer represents more than 2% of the index.

Contract — the Funds offer their shares only to participating insurance companies. These insurance companies write variable annuity and/or variable life insurance contracts that allow the contract owner to choose a Fund as an investment option. The contract owner does not become a Fund shareholder.

Distribution Fees — fees used to support a Fund's marketing and distribution efforts, such as compensating financial professionals and other financial intermediaries, advertising and promotion.

Management Fee — a fee paid to BlackRock for managing a Fund.

Other Expenses — include accounting, transfer agency, custody, professional fees and registration fees.

Service Fees — fees used to compensate securities dealers and other financial intermediaries for certain shareholder servicing activities.

Shareholder Fees — fees paid directly by a shareholder, including sales charges that you may pay when you buy or sell shares of a Fund.

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For More Information

Funds and Service Providers

THE FUNDS

BlackRock Variable Series Funds II, Inc.
100 Bellevue Parkway
Wilmington, Delaware 19809

Written Correspondence:

P.O. Box 534429
Pittsburgh, Pennsylvania 15253-4429

Overnight Mail:

Attention: 534429
500 Ross Street 154-0520
Pittsburgh, Pennsylvania 15262
(800) 537-4942

MANAGER

BlackRock Advisors, LLC
100 Bellevue Parkway
Wilmington, Delaware 19809

SUB-ADVISERS

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Exchange Place One
1 Semple Street
Edinburgh, EH3 8BL, United Kingdom

BlackRock (Singapore) Limited^(a)
20 Anson Road #18-01
079912 Singapore

TRANSFER AGENT

BNY Mellon Investment Servicing (US) Inc.
301 Bellevue Parkway
Wilmington, Delaware 19809

INDEPENDENT REGISTERED PUBLIC

ACCOUNTING FIRM

Deloitte & Touche LLP
200 Berkeley Street
Boston, Massachusetts 02116

ACCOUNTING SERVICES PROVIDER

JPMorgan Chase Bank, N.A.
383 Madison Avenue, Floor 11
New York, New York 10179

DISTRIBUTOR

BlackRock Investments, LLC
50 Hudson Yards
New York, New York 10001

CUSTODIAN

JPMorgan Chase Bank, N.A.
383 Madison Avenue, Floor 11
New York, New York 10179

COUNSEL

Willkie Farr & Gallagher LLP
787 Seventh Avenue
New York, New York 10019-6099

^(a) For BlackRock Total Return V.I. Fund only.

Additional Information

This prospectus contains important information you should know before investing, including information about risks. Please read it before you invest and keep it for future reference. More information about the Funds is available at no charge upon request. This information includes:

Annual/Semi-Annual Reports

These reports contain additional information about each of the Fund's investments. The annual report describes each Fund's performance, lists portfolio holdings, and discusses recent market conditions, economic trends and Fund investment strategies that significantly affected a Fund's performance for the last fiscal year.

Statement of Additional Information ("SAI")

A Statement of Additional Information, dated May 1, 2023, has been filed with the Securities and Exchange Commission (the "SEC"). The SAI, which includes additional information about each Fund, may be obtained free of charge, along with the Fund's annual and semi-annual reports, by calling (800) 537-4942 or visiting www.blackrock.com/prospectus/insurance. The SAI, as amended and/or supplemented from time to time, is incorporated by reference into this prospectus.

BlackRock Investor Services

Representatives are available to discuss mutual fund prospectuses, literature, programs and services available. Hours: 8:00 a.m. to 6:00 p.m. (Eastern time), Monday-Friday. Call: (800) 537-4942.

Purchases and Redemptions

Call your financial professional or BlackRock Investment Services at (800) 537-4942.

World Wide Web

General Fund information and specific Fund performance, including the SAI and annual/semi-annual reports, mutual fund prospectuses and literature, can be accessed free of charge at www.blackrock.com/prospectus/insurance. Mutual fund prospectuses can also be requested via this website.

Written Correspondence

BlackRock Variable Series Funds II, Inc.
P.O. Box 534429
Pittsburgh, Pennsylvania 15253-4429

Overnight Mail

BlackRock Variable Series Funds II, Inc.
Attention: 534429
500 Ross Street 154-0520
Pittsburgh, Pennsylvania 15262

Internal Wholesalers/Broker Dealer Support

Available on any business day to support investment professionals. Call: (800) 882-0052

Portfolio Characteristics and Holdings

A description of each Fund's policies and procedures related to disclosure of portfolio characteristics and holdings is available in the SAI.

For information about portfolio holdings and characteristics, BlackRock fund shareholders and prospective investors may call (800) 882-0052.

Securities and Exchange Commission

You may also view and copy public information about each Fund, including the SAI, by visiting the EDGAR database on the SEC's website (<http://www.sec.gov>). Copies of this information can be obtained, for a duplicating fee, by electronic request at the following e-mail address: publicinfo@sec.gov.

You should rely only on the information contained in this prospectus. No one is authorized to provide you with information that is different from information contained in this prospectus.

The SEC and the Commodity Futures Trading Commission have not approved or disapproved these securities or passed upon the adequacy of this Prospectus. Any representation to the contrary is a criminal offense.

INVESTMENT COMPANY ACT FILE NO. 811-23346