

## Prospectus Supplement

**John Hancock Funds II**  
**Multimanager Lifestyle Balanced Portfolio**  
**Multimanager Lifestyle Growth Portfolio**  
**Multimanager Lifestyle Moderate Portfolio (the funds)**

**Supplement dated January 30, 2025 to the current Prospectus, as may be supplemented (the Prospectus)**

As of March 28, 2025 (the Effective Date), Geoffrey Kelley, CFA will no longer serve as a portfolio manager of the funds. As of the Effective Date, David Kobuszewski, CFA, Robert E. Sykes, CFA and Nathan W. Thooft, CFA will continue to serve as portfolio managers of the funds and will be jointly and primarily responsible for the day-to-day management of the funds' portfolios. Accordingly, as of the Effective Date, all references to Mr. Kelley will be removed from the Prospectus.

*You should read this supplement in conjunction with the Prospectus and retain it for your future reference.*

## Prospectus Supplement

**JOHN HANCOCK BOND TRUST**  
**JOHN HANCOCK CALIFORNIA TAX-FREE INCOME FUND**  
**JOHN HANCOCK CAPITAL SERIES**  
**JOHN HANCOCK CURRENT INTEREST**  
**JOHN HANCOCK FUNDS II**  
**JOHN HANCOCK FUNDS III**  
**JOHN HANCOCK INVESTMENT TRUST**  
**JOHN HANCOCK INVESTMENT TRUST II**  
**JOHN HANCOCK MUNICIPAL SECURITIES TRUST**  
**JOHN HANCOCK SOVEREIGN BOND FUND**  
**JOHN HANCOCK STRATEGIC SERIES**

**Supplement dated November 15, 2024 to the current Prospectus, as may be supplemented (the Prospectus)**

Effective November 18, 2024, the “Express delivery” mailing address for John Hancock Signature Services, Inc. will change to the following:

John Hancock Signature Services, Inc.  
801 Pennsylvania Ave, Suite 219909  
Kansas City, MO 64105-1307

Accordingly, all references to 430 W 7th Street, Suite 219909 Kansas City, MO 64105-1407 in the Prospectus will be replaced with the new address.

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## Prospectus Supplement

JOHN HANCOCK BOND TRUST  
JOHN HANCOCK CALIFORNIA TAX-FREE INCOME FUND  
JOHN HANCOCK CAPITAL SERIES  
JOHN HANCOCK FUNDS II  
JOHN HANCOCK FUNDS III  
JOHN HANCOCK INVESTMENT TRUST  
JOHN HANCOCK INVESTMENT TRUST II  
JOHN HANCOCK MUNICIPAL SECURITIES TRUST  
JOHN HANCOCK SOVEREIGN BOND FUND  
JOHN HANCOCK STRATEGIC SERIES

Supplement dated November 1, 2024 to the current Prospectus, as may be supplemented (the Prospectus)

APPENDIX 1 - INTERMEDIARY SALES CHARGE WAIVERS to the fund's Prospectus, with respect to Ameriprise Financial, is amended and restated as follows:

### AMERIPRISE FINANCIAL SERVICES, INC. (AMERIPRISE FINANCIAL)

Effective November 1, 2024, shareholders purchasing Class A shares of the fund through an Ameriprise Financial platform or account are eligible only for the following sales charge reductions, which may differ from those disclosed elsewhere in this prospectus or the SAI. Such shareholders can reduce their initial sales charge on the purchase of Class A shares as follows:

#### Class A Shares Front-End Sales Charge Waivers Available at Ameriprise Financial

- Transaction size breakpoints, as described in this prospectus or the SAI
- Rights of accumulation (ROA), as described in this prospectus or the SAI
- Letter of intent, as described in this prospectus or the SAI
- Employer-sponsored retirement plans (e.g., 401(k) plans, 457 plans, employer-sponsored 403(b) plans, profit sharing and money purchase pension plans and defined benefit plans). For purposes of this provision, employer-sponsored retirement plans do not include SEP IRAs, Simple IRAs or SAR-SEPs
- Shares purchased through reinvestment of capital gains distributions and dividend reinvestment when purchasing shares of the same fund (but not any other fund within the same fund family)
- Shares exchanged from Class C shares of the same fund in the month of or following the 7-year anniversary of the purchase date. To the extent that this prospectus elsewhere provides for a waiver with respect to exchanges of Class C shares or conversion of Class C shares following a shorter holding period, that waiver will apply to exchanges following such shorter period. To the extent that this prospectus elsewhere provides for a waiver with respect to exchanges of Class C shares for load waived shares, that waiver will also apply to such exchanges
- Employees and registered representatives of Ameriprise Financial or its affiliates and their immediate family members
- Shares purchased by or through qualified accounts (including IRAs, Coverdell Education Savings Accounts, 401(k)s, 403(b) TSCAs subject to ERISA and defined benefit plans) that are held by a covered family member, defined as an Ameriprise financial advisor and/or the advisor's spouse, advisor's lineal ascendant (mother, father, grandmother, grandfather, great grandmother, great grandfather), advisor's lineal descendant (son, step-son, daughter, step-daughter, grandson, granddaughter, great grandson, great granddaughter) or any spouse of a covered family member who is a lineal descendant
- Shares purchased from the proceeds of redemptions within the same fund family, provided (1) the repurchase occurs within 90 days following the redemption, (2) the redemption and purchase occur in the same account, and (3) redeemed shares were subject to a front-end or deferred sales load (i.e. Rights of Reinstatement)

#### CDSC waivers on Class A and C shares purchased through Ameriprise Financial

Fund shares purchased through an Ameriprise Financial platform or account are eligible only for the following CDSC waivers, which may differ from those disclosed elsewhere in this prospectus or the SAI:

- Redemptions due to death or disability of the shareholder

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- Shares sold as part of a systematic withdrawal plan as described in this prospectus or the SAI
  - Redemptions made in connection with a return of excess contributions from an IRA account
  - Shares purchased through a Right of Reinstatement (as defined above)
  - Redemptions made as part of a required minimum distribution for IRA and retirement accounts pursuant to the Internal Revenue Code

*You should read this supplement in conjunction with the Prospectus and retain it for your future reference.*

## Prospectus Supplement

**John Hancock Bond Trust**  
**John Hancock California Tax-Free Income Fund**  
**John Hancock Capital Series**  
**John Hancock Funds II**  
**John Hancock Funds III**  
**John Hancock Investment Trust**  
**John Hancock Investment Trust II**  
**John Hancock Municipal Securities Trust**  
**John Hancock Sovereign Bond Fund**  
**John Hancock Strategic Series**

### Supplement dated October 18, 2024 to the current Prospectus, as may be supplemented (the Prospectus)

Effective as of January 1, 2025, in the “Your account” section of the Prospectus under the heading “Selling shares” for Class A and Class C shares, as applicable, the below is amended and restated in its entirety in each fund’s Prospectus as follows:

#### To sell some or all of your shares

##### By letter

- Accounts of any type
- Sales of any amount

- Write a letter of instruction or complete a stock power indicating the fund name, the share class, your account number, the name(s) in which the account is registered, and the dollar value or number of shares you wish to sell.
- Include all signatures and any additional documents that may be required (see the next page).
- Mail the materials to Signature Services (address below).
- A check will be mailed to the name(s) and address in which the account is registered, or otherwise according to your letter of instruction.

##### By internet

- Most accounts
- Sales of up to \$100,000

- Log on to the website below to initiate redemptions from your fund.

##### By phone

- Most accounts
- Sales of up to \$100,000

- Call EASI-Line for automated service.
- Call your financial professional or call Signature Services between 8:00 A.M. and 7:00 P.M., Monday–Thursday, and on Friday, between 8:00 A.M. and 6:00 P.M., Eastern time.

##### By wire or electronic funds transfer (EFT)

- Requests by letter to sell any amount
- Requests by internet or phone to sell up to \$100,000

- To verify that the internet or telephone redemption privilege is in place on an account, or to request the form to add it to an existing account, call Signature Services.
- A \$15 fee will be deducted from your account. Your bank may also charge a fee for this service.

##### By exchange

- 
- Accounts of any type
  - Sales of any amount

**To sell some or all of your shares**

- Obtain a current prospectus for the fund into which you are exchanging by accessing the fund's website or by calling your financial professional or Signature Services.
- Log on to the website below to process exchanges between your funds.
- Call EASI-Line for automated service.
- Call your financial professional or Signature Services to request an exchange.

*To sell shares through a systematic withdrawal plan, see "Additional investor services."*

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## Prospectus Supplement

**JOHN HANCOCK BOND TRUST**  
**JOHN HANCOCK CALIFORNIA TAX-FREE INCOME FUND**  
**JOHN HANCOCK CAPITAL SERIES**  
**JOHN HANCOCK FUNDS II**  
**JOHN HANCOCK FUNDS III**  
**JOHN HANCOCK INVESTMENT TRUST**  
**JOHN HANCOCK INVESTMENT TRUST II**  
**JOHN HANCOCK MUNICIPAL SECURITIES TRUST**  
**JOHN HANCOCK SOVEREIGN BOND FUND**  
**JOHN HANCOCK STRATEGIC SERIES**

**Supplement dated September 3, 2024 to the current Prospectus, as may be supplemented (the Prospectus)**

APPENDIX 1 – INTERMEDIARY SALES CHARGE WAIVERS to each fund’s Prospectus, with respect to Edward D. Jones & Co., L.P., is amended and restated in its entirety as follows:

### **EDWARD D. JONES & CO., L.P. (EDWARD JONES)**

Effective on or after September 3, 2024, the following information supersedes prior information with respect to transactions and positions held in fund shares through an Edward Jones system. Clients of Edward Jones (also referred to as “shareholders”) purchasing fund shares on the Edward Jones commission and fee-based platforms are eligible only for the following sales charge discounts (also referred to as “breakpoints”) and waivers, which can differ from discounts and waivers described elsewhere in the mutual fund prospectus or statement of additional information (“SAI”) or through another broker-dealer. In all instances, it is the shareholder’s responsibility to inform Edward Jones at the time of purchase of any relationship, holdings of John Hancock Investment Management or other facts qualifying the purchaser for discounts or waivers. Edward Jones can ask for documentation of such circumstance. Shareholders should contact Edward Jones if they have questions regarding their eligibility for these discounts and waivers.

#### **Breakpoints**

- Breakpoint pricing, otherwise known as volume pricing, at dollar thresholds as described in the prospectus

#### **Rights of Accumulation (ROA)**

- The applicable sales charge on a purchase of Class A shares is determined by taking into account all share classes (except certain money market funds and any assets held in group retirement plans) of John Hancock Investment Management held by the shareholder or in an account grouped by Edward Jones with other accounts for the purpose of providing certain pricing considerations (“pricing groups”). If grouping assets as a shareholder, this includes all share classes held on the Edward Jones platform and/or held on another platform. The inclusion of eligible fund family assets in the ROA calculation is dependent on the shareholder notifying Edward Jones of such assets at the time of calculation. Money market funds are included only if such shares were sold with a sales charge at the time of purchase or acquired in exchange for shares purchased with a sales charge.
- The employer maintaining a SEP IRA plan and/or SIMPLE IRA plan may elect to establish or change ROA for the IRA accounts associated with the plan to a plan-level grouping as opposed to including all share classes at a shareholder or pricing group level.
- ROA is determined by calculating the higher of cost minus redemptions or market value (current shares x NAV)

#### **Letter of Intent (LOI)**

- Through a LOI, shareholders can receive the sales charge and breakpoint discounts for purchases shareholders intend to make over a 13-month period from the date Edward Jones receives the LOI. The LOI is determined by calculating the higher of cost or market value of qualifying holdings at LOI initiation in combination with the value that the shareholder intends to buy over a 13-month period to calculate the front-end sales charge and any breakpoint discounts. Each purchase the shareholder makes during that 13-month period will receive the sales charge and breakpoint discount that applies to the total amount. The inclusion of eligible fund family assets in the LOI calculation is dependent on the shareholder notifying Edward Jones of such assets at the time of calculation. Purchases made before the LOI is received by Edward Jones are not adjusted under the LOI and will not reduce the sales charge previously paid. Sales charges will be adjusted if LOI is not met.
- If the employer maintaining a SEP IRA plan and/or SIMPLE IRA plan has elected to establish or change ROA for the IRA accounts associated with the plan to a plan-level grouping, LOIs will also be at the plan-level and may only be established by the employer.

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## Sales Charge Waivers

Sales charges are waived for the following shareholders and in the following situations:

- Associates of Edward Jones and its affiliates and other accounts in the same pricing group (as determined by Edward Jones under its policies and procedures) as the associate. This waiver will continue for the remainder of the associate's life if the associate retires from Edward Jones in good-standing and remains in good standing pursuant to Edward Jones' policies and procedures.
- Shares purchased in an Edward Jones fee-based program.
- Shares purchased through reinvestment of capital gains distributions and dividend reinvestment.
- Shares purchased from the proceeds of redeemed shares of the same fund family so long as the following conditions are met: 1) the proceeds are from the sale of shares within 60 days of the purchase, and 2) the sale and purchase are made from a share class that charges a front load and one of the following (Right of Reinstatement):
  - The redemption and repurchase occur in the same account
  - The redemption proceeds are used to process an: IRA contribution, excess contributions, conversion, recharacterizing of contributions, or distribution, and the repurchase is done in an account within the same Edward Jones grouping for ROA.

The Right of Reinstatement excludes systematic or automatic transactions including, but not limited to, purchases made through payroll deductions, liquidations to cover account fees, and reinvestments from non-mutual fund products.

- Shares exchanged into Class A shares from another share class so long as the exchange is into the same fund and was initiated at the discretion of Edward Jones. Edward Jones is responsible for any remaining CDSC due to the fund company, if applicable. Any future purchases are subject to the applicable sales charge as disclosed in the prospectus.
- Exchanges from Class C shares to Class A shares of the same fund, generally, in the 84th month following the anniversary of the purchase date or earlier at the discretion of Edward Jones.
- Purchases of Class 529-A shares through a rollover from either another education savings plan or a security used for qualified distributions.
- Purchases of Class 529-A shares made for recontribution of refunded amounts.

## CDSC Waivers on Class A and Class C shares available at Edward Jones

If the shareholder purchases shares that are subject to a CDSC and those shares are redeemed before the CDSC is expired, the shareholder is responsible to pay the CDSC except in the following conditions:

- The death or disability of the shareholder.
- Systematic withdrawals with up to 10% per year of the account value.
- Return of excess contributions from an Individual Retirement Account (IRA).
- Shares redeemed as part of a required minimum distribution for IRA and retirement accounts if the redemption is taken in or after the year the shareholder reaches qualified age based on applicable IRS regulations.
- Shares redeemed to pay Edward Jones fees or costs in such cases where the transaction is initiated by Edward Jones.
- Shares exchanged in an Edward Jones fee-based program.
- Shares acquired through NAV reinstatement.
- Shares redeemed at the discretion of Edward Jones for Minimum Balances, as described below.

## Other Important Information Regarding Transactions Through Edward Jones

### Minimum Purchase Amounts

- Initial purchase minimum: \$250
- Subsequent purchase minimum: none

### Minimum Balances

- Edward Jones has the right to redeem at its discretion fund holdings with a balance of \$250 or less. The following are examples of accounts that are not included in this policy:
  - A fee-based account held on an Edward Jones platform
  - A 529 account held on an Edward Jones platform
  - An account with an active systematic investment plan or LOI



**Exchanging Share Classes**

- At any time it deems necessary, Edward Jones has the authority to exchange at NAV a shareholder's holdings in a fund to Class A shares of the same fund

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Prospectus

# John Hancock Multimanager Lifestyle Portfolios

## Asset allocation

May 1, 2024

	<b>Class 5</b>
Multimanager Lifestyle Growth Portfolio	JHLGX
Multimanager Lifestyle Balanced Portfolio	JHLAX
Multimanager Lifestyle Moderate Portfolio	JHLMX

As with all mutual funds, the Securities and Exchange Commission has not approved or disapproved these securities or passed upon the adequacy of this prospectus. Any representation to the contrary is a criminal offense.

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## Fund summary

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The summary section is a concise look at the investment objective, fees and expenses, principal investment strategies, principal risks, past performance, and investment management.

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## Fund details

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More about topics covered in the summary section, including descriptions of the investment strategies and various risk factors that investors should understand before investing.

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## Your account

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How to place an order to buy, sell, or exchange shares, as well as information about the business policies and any distributions that may be paid.

For more information **See back cover**

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# John Hancock Multimanager Lifestyle Growth Portfolio

## Investment objective

To seek long-term growth of capital. Current income is also a consideration.

## Fees and expenses

This table describes the fees and expenses you may pay if you buy, hold, and sell shares of the fund. **You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and examples below.**

<b>Shareholder fees (%)</b> (fees paid directly from your investment)	<b>5</b>
Maximum front-end sales charge (load)	None
Maximum deferred sales charge (load)	None
<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>5</b>
Management fee	0.24
Other expenses	0.03
Acquired fund fees and expenses	0.70 <sup>1</sup>
<b>Total annual fund operating expenses</b>	<b>0.97<sup>2</sup></b>

**1** “Acquired fund fees and expenses” are based on indirect net expenses associated with the fund’s investments in underlying investment companies.

**2** The “Total annual fund operating expenses” shown may not correlate to the fund’s ratios of expenses to average daily net assets shown in the “Financial highlights” section of the fund’s prospectus, which does not include “Acquired fund fees and expenses.”

## Expense example

This example is intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. Please see below a hypothetical example showing the expenses of a \$10,000 investment for the time periods indicated and then assuming you sell all of your shares at the end of those periods. The example assumes a 5% average annual return and that fund expenses will not change over the periods. Although your actual costs may be higher or lower, based on these assumptions, your costs would be:

<b>Expenses (\$)</b>	<b>5</b>
1 year	99
3 years	309
5 years	536
10 years	1,190

## Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or “turns over” its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. A higher portfolio turnover rate may result in higher taxes when fund shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund’s portfolio turnover rate was 11% of the average value of its portfolio.

## Principal investment strategies

The fund operates as a fund of funds and, except as otherwise described below, normally invests approximately 20% of its assets in underlying funds that invest primarily in fixed-income securities and approximately 80% of its assets in underlying funds that invest primarily in equity securities.

Variations in the target percentage allocation between underlying funds that invest primarily in equity securities and underlying funds that invest primarily in fixed-income securities are permitted up to 10% in either direction. Thus, based on its target percentage allocation of approximately 80% of its assets in equity underlying funds and 20% of its assets in fixed-income underlying funds, the fund may have an equity/fixed-income underlying funds allocation ranging between 90%/10% and 70%/30%. Although variations beyond the 10% range are generally not permitted, the manager may determine, in light of market or economic conditions, that the normal percentage limitations should be exceeded to protect the fund or to achieve its goal.

## Fund summary

The fund may invest in various actively managed underlying funds that, as a group, hold a wide range of equity-type securities. The fund may also invest in various passively managed underlying funds. Equity-type securities include small-, mid-, and large-capitalization stocks; domestic and foreign securities (including emerging-market securities); and sector holdings. Each of these underlying funds has its own investment strategy that, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives, such as options on securities and futures contracts. Certain of the underlying funds in which the fund invests focus their investment strategy on fixed-income securities, which may include investment-grade and below-investment-grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments, such as corporate bonds and mortgage-backed, government-issued, domestic, and international securities. The fund may also invest in various underlying funds that invest in alternative and specialty asset classes.

The fund may invest in affiliated and nonaffiliated investment companies. In addition to investing in exchange-traded funds (ETFs), the fund may also invest in U.S. government securities and derivatives, such as credit default swaps and options on equity index futures, interest-rate swaps, and foreign currency forward contracts, in each case for the purposes of reducing risk, obtaining efficient market exposure, and/or enhancing investment returns. The fund may also directly invest in exchange-traded notes (ETNs). The fund is also authorized to use various other investment strategies such as investing directly in fixed-income and equity securities, closed-end funds, and partnerships, and short-selling securities.

The manager considers environmental, social, and/or governance (ESG) factors, alongside other relevant factors, as part of its investment process. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. The ESG characteristics utilized in the fund's investment process may change over time and one or more characteristics may not be relevant with respect to all issuers that are eligible fund investments.

### Principal risks

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An investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Many factors affect performance, and fund shares will fluctuate in price, meaning you could lose money. The fund's investment strategy may not produce the intended results.

Because this fund has a greater exposure to underlying funds that invest primarily in equity securities than John Hancock Multimanager Lifestyle Portfolios with greater target allocations to underlying funds that invest primarily in fixed-income securities, equity security risks are more prevalent in this fund than in other John Hancock Multimanager Lifestyle Portfolios. The fund's main risks are listed below in alphabetical order, not in order of importance. *Before investing, be sure to read the additional descriptions of these risks beginning on page 20 of the prospectus.*

#### Principal risks of investing in the fund of funds

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

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

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

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

**ESG integration risk.** The manager considers ESG factors that it deems relevant or additive, along with other material factors and analysis, when managing the fund. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. The manager may consider these ESG factors on all or a meaningful portion of the fund's investments. Incorporating ESG criteria and making investment decisions based on certain ESG characteristics, as determined by the manager, carries the risk that the fund may perform differently, including underperforming, funds that do not utilize ESG criteria, or funds that utilize different ESG criteria.

**Exchange-traded funds (ETFs) risk.** The risks of owning shares of an ETF include the risks of owning the underlying securities the ETF holds. Lack of liquidity in an ETF could result in the ETF being more volatile than its underlying securities. An ETF's shares could trade at a significant premium or discount to its net asset value (NAV). A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes (ETNs) risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance. Additionally, the value of inflation-indexed securities is subject to the effects of changes in market interest rates caused by factors other than inflation ("real interest rates"). Generally, when real interest rates rise, the value of inflation-indexed securities will fall and the fund's value may decline as a result of this exposure to these securities.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

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

**Investment company securities risk.** Fund shareholders indirectly bear their proportionate share of the expenses of any investment company in which the fund invests. The total return on such investments will be reduced by the operating expenses and fees of such other investment companies, including advisory fees.

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

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

**Short sales risk.** Short sales involve costs and risk. A fund must pay the lender interest on a security it borrows, and the fund will lose money if the price of the borrowed security increases between the time of the short sale and the date when the fund replaces the borrowed security.

### Principal risks of investing in the underlying funds

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

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

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

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

## Fund summary

**Exchange-traded funds (ETFs) risk.** The risks of owning shares of an ETF include the risks of owning the underlying securities the ETF holds. Lack of liquidity in an ETF could result in the ETF being more volatile than its underlying securities. An ETF's shares could trade at a significant premium or discount to its net asset value (NAV). A fund bears ETF fees and expenses indirectly.

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

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

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

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

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

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

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

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks. Factors that impact the value of these securities include interest rate changes, the reliability of available information, credit quality or enhancement, and market perception.

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

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

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

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

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

## Past performance

The following information illustrates the variability of the fund's returns and provides some indication of the risks of investing in the fund by showing changes in the fund's performance from year to year and by showing how the fund's average annual returns compared with a broad-based market index. Past performance (before and after taxes) does not indicate future results. The fund's custom blended benchmark (the "John Hancock Lifestyle Growth Index") comprises 37.2% of the S&P 500 Index, 13.7% of the MSCI World ex-USA Index, 16.0% of the Russell 2500 Index, 9.1% of the MSCI Emerging Markets Index, 4.0% of the John Hancock Real Asset Blended Index, 1.5% of the ICE BofA U.S. High Yield Index, 1.5% of the JPMorgan EMBI Global

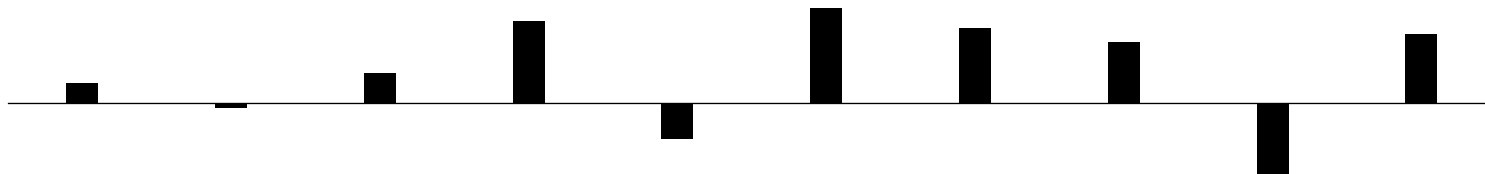
## Fund summary

Index, 1.5% of the S&P/LSTA Leveraged Loan Index, 9.5% of the Bloomberg U.S. Aggregate Bond Index, 4.0% of the ICE BofA Long U.S. STRIPS Index, and 2.0% of the Bloomberg 1-5 Year TIPS Index and shows how the fund's performance compares against the returns of similar investments. All figures assume dividend reinvestment. Performance information is updated daily, monthly, and quarterly and may be obtained by calling 800-344-1029 between 8:00 A.M. and 7:00 P.M., Eastern time, on most business days.

Please note that after-tax returns reflect the highest individual federal marginal income-tax rate in effect as of the date provided and do not reflect any state or local taxes. Your actual after-tax returns may be different. After-tax returns are not relevant to shares held in an IRA, 401(k), or other tax-advantaged investment plan.

### Calendar year total returns (%)—Class 5

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
4.86	-0.98	7.09	19.34	-8.34	22.36	17.70	14.37	-17.31	16.29



<b>Best quarter:</b>	Q2 2020	18.90%
<b>Worst quarter:</b>	Q1 2020	-18.84%

### Average annual total returns (%)—as of 12/31/2023

	1 year	5 year	10 year
<b>Class 5</b> (before tax)	16.29	9.63	6.78
after tax on distributions	14.26	6.80	4.17
after tax on distributions, with sale	10.40	6.99	4.60
Morningstar U.S. Moderately Aggressive Target Allocation Index (reflects no deduction for fees, expenses, or taxes)	19.46	10.61	7.97
John Hancock Lifestyle Growth Index (reflects no deduction for fees, expenses, or taxes, except foreign withholding taxes on dividends)	17.45	10.19	7.71

## Investment management

**Investment advisor** John Hancock Investment Management LLC

**Subadvisor** Manulife Investment Management (US) LLC

## Portfolio management

The following individuals are jointly and primarily responsible for the day-to-day management of the fund's portfolio.

### **Geoffrey Kelley, CFA**

Senior Portfolio Manager, Global Head of Strategic Asset Allocation and Systematic Equity  
Managed fund since 2023

### **David Kobuszewski, CFA**

Portfolio Manager  
Managed fund since 2023

### **Robert E. Sykes, CFA**

Senior Portfolio Manager and Head of Asset Allocation  
Managed fund since 2018

### **Nathan W. Thooft, CFA**

Chief Investment Officer, Senior Portfolio Manager  
Managed fund since 2013

## Purchase and sale of fund shares

There are no minimum initial or subsequent investment requirements for Class 5 shares of the fund. You may redeem shares of the fund on any business day by mail: Investment Operations, John Hancock Signature Services, Inc., P.O. Box 219909, Kansas City, MO 64121-9909.

## Taxes

The fund's distributions are taxable, and will be taxed as ordinary income and/or capital gains, unless you are investing through a tax-deferred arrangement, such as a 401(k) plan or individual retirement account. Withdrawals from such tax-deferred arrangements may be subject to tax at a later date.



**Payments to broker-dealers and other financial intermediaries**

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If you purchase the fund through a broker-dealer or other financial intermediary (such as a bank, registered investment advisor, financial planner, or retirement plan administrator), the fund and its related companies may pay the broker-dealer or other intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the fund over another investment. Ask your salesperson or visit your financial intermediary's website for more information.

## Fund summary

# John Hancock Multimanager Lifestyle Balanced Portfolio

### Investment objective

To seek a balance between a high level of current income and growth of capital, with a greater emphasis on growth of capital.

### Fees and expenses

This table describes the fees and expenses you may pay if you buy, hold, and sell shares of the fund. **You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and examples below.**

<b>Shareholder fees (%)</b> (fees paid directly from your investment)	<b>5</b>
Maximum front-end sales charge (load)	None
Maximum deferred sales charge (load)	None
<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>5</b>
Management fee	0.25
Other expenses	0.03
Acquired fund fees and expenses	0.64 <sup>1</sup>
<b>Total annual fund operating expenses</b>	<b>0.92<sup>2</sup></b>

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

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

### Expense example

This example is intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. Please see below a hypothetical example showing the expenses of a \$10,000 investment for the time periods indicated and then assuming you sell all of your shares at the end of those periods. The example assumes a 5% average annual return and that fund expenses will not change over the periods. Although your actual costs may be higher or lower, based on these assumptions, your costs would be:

<b>Expenses (\$)</b>	<b>5</b>
1 year	94
3 years	293
5 years	509
10 years	1,131

### Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. A higher portfolio turnover rate may result in higher taxes when fund shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 14% of the average value of its portfolio.

### Principal investment strategies

The fund operates as a fund of funds and, except as otherwise described below, normally invests approximately 40% of its assets in underlying funds that invest primarily in fixed-income securities and approximately 60% of its assets in underlying funds that invest primarily in equity securities.

Variations in the target percentage allocation between underlying funds that invest primarily in equity securities and underlying funds that invest primarily in fixed-income securities are permitted up to 10% in either direction. Thus, based on its target percentage allocation of approximately 60% of its assets in equity underlying funds and 40% of its assets in fixed-income underlying funds, the fund may have an equity/fixed-income underlying funds allocation ranging between 70%/30% and 50%/50%. Although variations beyond the 10% range are generally not permitted, the manager may determine, in light of market or economic conditions, that the normal percentage limitations should be exceeded to protect the fund or to achieve its goal.

## Fund summary

The fund may invest in various actively managed underlying funds that, as a group, hold a wide range of equity-type securities. The fund may also invest in various passively managed underlying funds. Equity-type securities include small-, mid-, and large-capitalization stocks; domestic and foreign securities (including emerging-market securities); and sector holdings. Each of these underlying funds has its own investment strategy that, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives, such as options on securities and futures contracts. Certain of the underlying funds in which the fund invests focus their investment strategy on fixed-income securities, which may include investment-grade and below-investment-grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments, such as corporate bonds and mortgage-backed, government-issued, domestic, and international securities. The fund may also invest in various underlying funds that invest in alternative and specialty asset classes.

The fund may invest in affiliated and nonaffiliated investment companies. In addition to investing in exchange-traded funds (ETFs), the fund may also invest in U.S. government securities and derivatives, such as credit default swaps and options on equity index futures, interest-rate swaps, and foreign currency forward contracts, in each case for the purposes of reducing risk, obtaining efficient market exposure, and/or enhancing investment returns. The fund may also directly invest in exchange-traded notes (ETNs). The fund is also authorized to use various other investment strategies such as investing directly in fixed-income and equity securities, closed-end funds, and partnerships, and short-selling securities.

The manager considers environmental, social, and/or governance (ESG) factors, alongside other relevant factors, as part of its investment process. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. The ESG characteristics utilized in the fund's investment process may change over time and one or more characteristics may not be relevant with respect to all issuers that are eligible fund investments.

### Principal risks

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An investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Many factors affect performance, and fund shares will fluctuate in price, meaning you could lose money. The fund's investment strategy may not produce the intended results.

Because this fund has a greater exposure to underlying funds that invest primarily in equity securities than John Hancock Multimanager Lifestyle Portfolios with greater target allocations to underlying funds that invest primarily in fixed-income securities, equity security risks are more prevalent in this fund than in other John Hancock Multimanager Lifestyle Portfolios. The fund's main risks are listed below in alphabetical order, not in order of importance. *Before investing, be sure to read the additional descriptions of these risks beginning on page 20 of the prospectus.*

#### Principal risks of investing in the fund of funds

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

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

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

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

**ESG integration risk.** The manager considers ESG factors that it deems relevant or additive, along with other material factors and analysis, when managing the fund. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. The manager may consider these ESG factors on all or a meaningful portion of the fund's investments. Incorporating ESG criteria and making investment decisions based on certain ESG characteristics, as determined by the manager, carries the risk that the fund may perform differently, including underperforming, funds that do not utilize ESG criteria, or funds that utilize different ESG criteria.

**Exchange-traded funds (ETFs) risk.** The risks of owning shares of an ETF include the risks of owning the underlying securities the ETF holds. Lack of liquidity in an ETF could result in the ETF being more volatile than its underlying securities. An ETF's shares could trade at a significant premium or discount to its net asset value (NAV). A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes (ETNs) risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance. Additionally, the value of inflation-indexed securities is subject to the effects of changes in market interest rates caused by factors other than inflation ("real interest rates"). Generally, when real interest rates rise, the value of inflation-indexed securities will fall and the fund's value may decline as a result of this exposure to these securities.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

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

**Investment company securities risk.** Fund shareholders indirectly bear their proportionate share of the expenses of any investment company in which the fund invests. The total return on such investments will be reduced by the operating expenses and fees of such other investment companies, including advisory fees.

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

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

**Short sales risk.** Short sales involve costs and risk. A fund must pay the lender interest on a security it borrows, and the fund will lose money if the price of the borrowed security increases between the time of the short sale and the date when the fund replaces the borrowed security.

### Principal risks of investing in the underlying funds

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

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

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

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

## Fund summary

**Exchange-traded funds (ETFs) risk.** The risks of owning shares of an ETF include the risks of owning the underlying securities the ETF holds. Lack of liquidity in an ETF could result in the ETF being more volatile than its underlying securities. An ETF's shares could trade at a significant premium or discount to its net asset value (NAV). A fund bears ETF fees and expenses indirectly.

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

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

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

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

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

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

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

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks. Factors that impact the value of these securities include interest rate changes, the reliability of available information, credit quality or enhancement, and market perception.

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

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

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

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

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

## Past performance

The following information illustrates the variability of the fund's returns and provides some indication of the risks of investing in the fund by showing changes in the fund's performance from year to year and by showing how the fund's average annual returns compared with a broad-based market index. Past performance (before and after taxes) does not indicate future results. The fund's custom blended benchmark (the "John Hancock Lifestyle Balanced Index") comprises 27.9% of the S&P 500 Index, 10.3% of the MSCI World ex-USA Index, 12.0% of the Russell 2500 Index, 6.8% of the MSCI Emerging Markets Index, 3.0% of the John Hancock Real Asset Blended Index, 3.0% of the ICE BofA U.S. High Yield Index, 3.0% of the JPMorgan EMBI

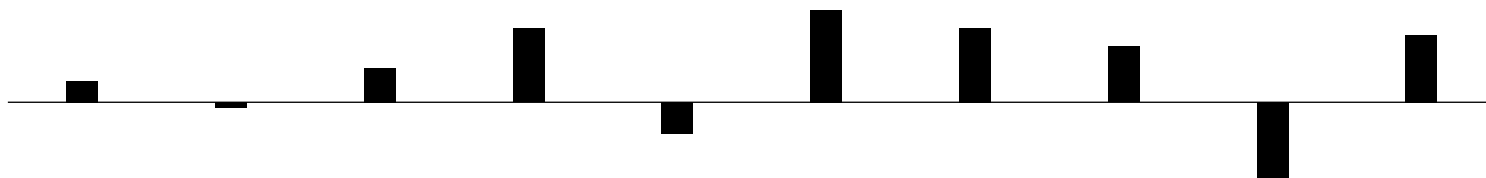
## Fund summary

Global Index, 3.0% of the S&P/LSTA Leveraged Loan Index, 21.0% of the Bloomberg U.S. Aggregate Bond Index, 6.0% of the ICE BofA Long U.S. STRIPS Index, and 4.0% of the Bloomberg 1-5 Year TIPS Index and shows how the fund's performance compares against the returns of similar investments. All figures assume dividend reinvestment. Performance information is updated daily, monthly, and quarterly and may be obtained by calling 800-344-1029 between 8:00 A.M. and 7:00 P.M., Eastern time, on most business days.

Please note that after-tax returns reflect the highest individual federal marginal income-tax rate in effect as of the date provided and do not reflect any state or local taxes. Your actual after-tax returns may be different. After-tax returns are not relevant to shares held in an IRA, 401(k), or other tax-advantaged investment plan.

### Calendar year total returns (%)—Class 5

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
4.38	-1.07	7.13	15.27	-6.44	19.10	15.39	11.55	-15.97	13.92



<b>Best quarter:</b>	Q2 2020	15.57%
<b>Worst quarter:</b>	Q1 2020	-15.13%

### Average annual total returns (%)—as of 12/31/2023

	1 year	5 year	10 year
<b>Class 5</b> (before tax)	13.92	7.97	5.76
after tax on distributions	12.02	5.35	3.35
after tax on distributions, with sale	8.69	5.61	3.78
Morningstar U.S. Moderate Target Allocation Index (reflects no deduction for fees, expenses, or taxes)	16.75	8.84	6.93
John Hancock Lifestyle Balanced Index (reflects no deduction for fees, expenses, or taxes, except foreign withholding taxes on dividends)	14.68	8.19	6.55

## Investment management

**Investment advisor** John Hancock Investment Management LLC

**Subadvisor** Manulife Investment Management (US) LLC

## Portfolio management

The following individuals are jointly and primarily responsible for the day-to-day management of the fund's portfolio.

### **Geoffrey Kelley, CFA**

*Senior Portfolio Manager, Global Head of Strategic Asset Allocation and Systematic Equity*  
Managed fund since 2023

### **David Kobuszewski, CFA**

*Portfolio Manager*  
Managed fund since 2023

### **Robert E. Sykes, CFA**

*Senior Portfolio Manager and Head of Asset Allocation*  
Managed fund since 2018

### **Nathan W. Thooft, CFA**

*Chief Investment Officer, Senior Portfolio Manager*  
Managed fund since 2013

## Purchase and sale of fund shares

There are no minimum initial or subsequent investment requirements for Class 5 shares of the fund. You may redeem shares of the fund on any business day by mail: Investment Operations, John Hancock Signature Services, Inc., P.O. Box 219909, Kansas City, MO 64121-9909.

## Taxes

The fund's distributions are taxable, and will be taxed as ordinary income and/or capital gains, unless you are investing through a tax-deferred arrangement, such as a 401(k) plan or individual retirement account. Withdrawals from such tax-deferred arrangements may be subject to tax at a later date.

**Payments to broker-dealers and other financial intermediaries**

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If you purchase the fund through a broker-dealer or other financial intermediary (such as a bank, registered investment advisor, financial planner, or retirement plan administrator), the fund and its related companies may pay the broker-dealer or other intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the fund over another investment. Ask your salesperson or visit your financial intermediary's website for more information.

## Fund summary

# John Hancock Multimanager Lifestyle Moderate Portfolio

### Investment objective

To seek a balance between a high level of current income and growth of capital, with a greater emphasis on income.

### Fees and expenses

This table describes the fees and expenses you may pay if you buy, hold, and sell shares of the fund. **You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and examples below.**

<b>Shareholder fees (%)</b> (fees paid directly from your investment)	<b>5</b>
Maximum front-end sales charge (load)	None
Maximum deferred sales charge (load)	None
<b>Annual fund operating expenses (%)</b> (expenses that you pay each year as a percentage of the value of your investment)	<b>5</b>
Management fee	0.24
Other expenses	0.04
Acquired fund fees and expenses	0.59 <sup>1</sup>
<b>Total annual fund operating expenses</b>	<b>0.87<sup>2</sup></b>

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

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

### Expense example

This example is intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. Please see below a hypothetical example showing the expenses of a \$10,000 investment for the time periods indicated and then assuming you sell all of your shares at the end of those periods. The example assumes a 5% average annual return and that fund expenses will not change over the periods. Although your actual costs may be higher or lower, based on these assumptions, your costs would be:

<b>Expenses (\$)</b>	<b>5</b>
1 year	89
3 years	278
5 years	482
10 years	1,073

### Portfolio turnover

The fund, which operates as a fund of funds and invests in underlying funds, does not pay transaction costs, such as commissions, when it buys and sells shares of underlying funds (or "turns over" its portfolio). An underlying fund does pay transaction costs when it turns over its portfolio, and a higher portfolio turnover rate may indicate higher transaction costs. A higher portfolio turnover rate may result in higher taxes when fund shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, affect the performance of the underlying funds and of the fund. During its most recent fiscal year, the fund's portfolio turnover rate was 14% of the average value of its portfolio.

### Principal investment strategies

The fund operates as a fund of funds and, except as otherwise described below, normally invests approximately 60% of its assets in underlying funds that invest primarily in fixed-income securities and approximately 40% of its assets in underlying funds that invest primarily in equity securities.

Variations in the target percentage allocation between underlying funds that invest primarily in equity securities and underlying funds that invest primarily in fixed-income securities are permitted up to 10% in either direction. Thus, based on its target percentage allocation of approximately 40% of its assets in equity underlying funds and 60% of its assets in fixed-income underlying funds, the fund may have an equity/fixed-income underlying funds allocation ranging between 50%/50% and 30%/70%. Although variations beyond the 10% range are generally not permitted, the manager may determine, in light of market or economic conditions, that the normal percentage limitations should be exceeded to protect the fund or to achieve its goal.



## Fund summary

The fund may invest in various actively managed underlying funds that, as a group, hold a wide range of equity-type securities. The fund may also invest in various passively managed underlying funds. Equity-type securities include small-, mid-, and large-capitalization stocks; domestic and foreign securities (including emerging-market securities); and sector holdings. Each of these underlying funds has its own investment strategy that, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives, such as options on securities and futures contracts. Certain of the underlying funds in which the fund invests focus their investment strategy on fixed-income securities, which may include investment-grade and below-investment-grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments, such as corporate bonds and mortgage-backed, government-issued, domestic, and international securities. The fund may also invest in various underlying funds that invest in alternative and specialty asset classes.

The fund may invest in affiliated and nonaffiliated investment companies. In addition to investing in exchange-traded funds (ETFs), the fund may also invest in U.S. government securities and derivatives, such as credit default swaps and options on equity index futures, interest-rate swaps, and foreign currency forward contracts, in each case for the purposes of reducing risk, obtaining efficient market exposure, and/or enhancing investment returns. The fund may also directly invest in exchange-traded notes (ETNs). The fund is also authorized to use various other investment strategies such as investing directly in fixed-income and equity securities, closed-end funds, and partnerships, and short-selling securities.

The manager considers environmental, social, and/or governance (ESG) factors, alongside other relevant factors, as part of its investment process. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. The ESG characteristics utilized in the fund's investment process may change over time and one or more characteristics may not be relevant with respect to all issuers that are eligible fund investments.

### Principal risks

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An investment in the fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Many factors affect performance, and fund shares will fluctuate in price, meaning you could lose money. The fund's investment strategy may not produce the intended results.

Because this fund has a greater exposure to underlying funds that invest primarily in fixed-income securities than John Hancock Multimanager Lifestyle Portfolios with greater target allocations to underlying funds that invest primarily in equity securities, fixed-income security risks are more prevalent in this fund than in other John Hancock Multimanager Lifestyle Portfolios. The fund's main risks are listed below in alphabetical order, not in order of importance. *Before investing, be sure to read the additional descriptions of these risks beginning on page 20 of the prospectus.*

#### Principal risks of investing in the fund of funds

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

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

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

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

**ESG integration risk.** The manager considers ESG factors that it deems relevant or additive, along with other material factors and analysis, when managing the fund. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. The manager may consider these ESG factors on all or a meaningful portion of the fund's investments. Incorporating ESG criteria and making investment decisions based on certain ESG characteristics, as determined by the manager, carries the risk that the fund may perform differently, including underperforming, funds that do not utilize ESG criteria, or funds that utilize different ESG criteria.

**Exchange-traded funds (ETFs) risk.** The risks of owning shares of an ETF include the risks of owning the underlying securities the ETF holds. Lack of liquidity in an ETF could result in the ETF being more volatile than its underlying securities. An ETF's shares could trade at a significant premium or discount to its net asset value (NAV). A fund bears ETF fees and expenses indirectly.

**Exchange-traded notes (ETNs) risk.** An ETN generally reflects the risks associated with the assets composing the underlying market benchmark or strategy it is designed to track. ETNs also are subject to issuer and fixed-income risks.

**Fixed-income securities risk.** A rise in interest rates typically causes bond prices to fall. The longer the average maturity or duration of the bonds held by a fund, the more sensitive it will likely be to interest-rate fluctuations. An issuer may not make all interest payments or repay all or any of the principal borrowed. Changes in a security's credit quality may adversely affect fund performance. Additionally, the value of inflation-indexed securities is subject to the effects of changes in market interest rates caused by factors other than inflation ("real interest rates"). Generally, when real interest rates rise, the value of inflation-indexed securities will fall and the fund's value may decline as a result of this exposure to these securities.

**Fund of funds risk.** The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives. A fund bears underlying fund fees and expenses indirectly.

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

**Investment company securities risk.** Fund shareholders indirectly bear their proportionate share of the expenses of any investment company in which the fund invests. The total return on such investments will be reduced by the operating expenses and fees of such other investment companies, including advisory fees.

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

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

**Short sales risk.** Short sales involve costs and risk. A fund must pay the lender interest on a security it borrows, and the fund will lose money if the price of the borrowed security increases between the time of the short sale and the date when the fund replaces the borrowed security.

### Principal risks of investing in the underlying funds

**Commodity risk.** Commodity prices may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times.

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

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

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

## Fund summary

**Exchange-traded funds (ETFs) risk.** The risks of owning shares of an ETF include the risks of owning the underlying securities the ETF holds. Lack of liquidity in an ETF could result in the ETF being more volatile than its underlying securities. An ETF's shares could trade at a significant premium or discount to its net asset value (NAV). A fund bears ETF fees and expenses indirectly.

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

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

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

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

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

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

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

**Mortgage-backed and asset-backed securities risk.** Mortgage-backed and asset-backed securities are subject to different combinations of prepayment, extension, interest-rate, and other market risks. Factors that impact the value of these securities include interest rate changes, the reliability of available information, credit quality or enhancement, and market perception.

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

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

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

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

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

## Past performance

The following information illustrates the variability of the fund's returns and provides some indication of the risks of investing in the fund by showing changes in the fund's performance from year to year and by showing how the fund's average annual returns compared with a broad-based market index. Past performance (before and after taxes) does not indicate future results. The fund's custom blended benchmark (the "John Hancock Lifestyle Moderate Index") comprises 18.6% of the S&P 500 Index, 6.8% of the MSCI World ex-USA Index, 8.0% of the Russell 2500 Index, 4.6% of the MSCI Emerging Markets Index, 2.0% of the John Hancock Real Asset Blended Index, 4.5% of the ICE Bank of America U.S. High Yield Index, 4.5% of the

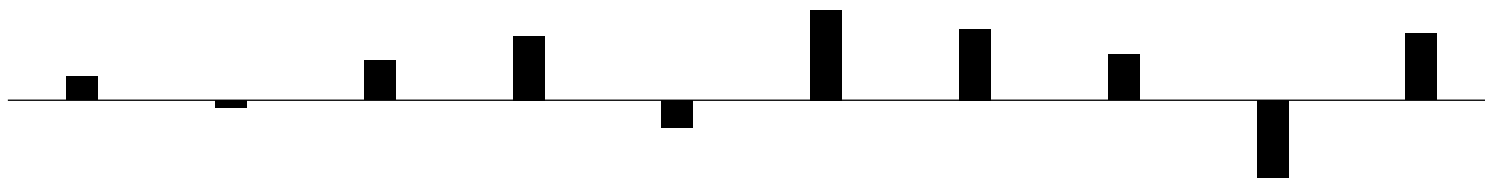
## Fund summary

JPMorgan EMBI Global Index, 4.5% of the S&P/LSTA Leveraged Loan Index, 36.5% of the Bloomberg U.S. Aggregate Bond Index, 4.0% of the ICE Bank of America Long U.S. STRIPS Index, and 6.0% of the Bloomberg 1-5 Year TIPS Index and shows how the fund's performance compares against the returns of similar investments. All figures assume dividend reinvestment. Performance information is updated daily, monthly, and quarterly and may be obtained by calling 800-344-1029 between 8:00 A.M. and 7:00 P.M., Eastern time, on most business days.

Please note that after-tax returns reflect the highest individual federal marginal income-tax rate in effect as of the date provided and do not reflect any state or local taxes. Your actual after-tax returns may be different. After-tax returns are not relevant to shares held in an IRA, 401(k), or other tax-advantaged investment plan.

### Calendar year total returns (%)—Class 5

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
4.06	-1.27	6.90	11.14	-4.82	15.59	12.32	7.90	-13.68	11.49



<b>Best quarter:</b>	Q2 2020	11.94%
<b>Worst quarter:</b>	Q1 2020	-11.24%

### Average annual total returns (%)—as of 12/31/2023

	1 year	5 year	10 year
<b>Class 5</b> (before tax)	11.49	6.16	4.59
after tax on distributions	9.60	3.87	2.42
after tax on distributions, with sale	7.03	4.14	2.85
Morningstar U.S. Moderately Conservative Target Allocation Index (reflects no deduction for fees, expenses, or taxes)	13.04	6.12	5.09
John Hancock Lifestyle Moderate Index (reflects no deduction for fees, expenses, or taxes, except foreign withholding taxes on dividends)	12.11	6.22	5.20

## Investment management

**Investment advisor** John Hancock Investment Management LLC

**Subadvisor** Manulife Investment Management (US) LLC

## Portfolio management

The following individuals are jointly and primarily responsible for the day-to-day management of the fund's portfolio.

### **Geoffrey Kelley, CFA**

*Senior Portfolio Manager, Global Head of Strategic Asset Allocation and Systematic Equity*  
Managed fund since 2023

### **David Kobuszewski, CFA**

*Portfolio Manager*  
Managed fund since 2023

### **Robert E. Sykes, CFA**

*Senior Portfolio Manager and Head of Asset Allocation*  
Managed fund since 2018

### **Nathan W. Thooft, CFA**

*Chief Investment Officer, Senior Portfolio Manager*  
Managed fund since 2013

## Purchase and sale of fund shares

There are no minimum initial or subsequent investment requirements for Class 5 shares of the fund. You may redeem shares of the fund on any business day by mail: Investment Operations, John Hancock Signature Services, Inc., P.O. Box 219909, Kansas City, MO 64121-9909.

## Taxes

The fund's distributions are taxable, and will be taxed as ordinary income and/or capital gains, unless you are investing through a tax-deferred arrangement, such as a 401(k) plan or individual retirement account. Withdrawals from such tax-deferred arrangements may be subject to tax at a later date.

**Payments to broker-dealers and other financial intermediaries**

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If you purchase the fund through a broker-dealer or other financial intermediary (such as a bank, registered investment advisor, financial planner, or retirement plan administrator), the fund and its related companies may pay the broker-dealer or other intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the fund over another investment. Ask your salesperson or visit your financial intermediary's website for more information.

# Fund details

## Principal investment strategies

**Multimanager Lifestyle Growth Portfolio:** To seek long-term growth of capital. Current income is also a consideration.

**Multimanager Lifestyle Balanced Portfolio:** To seek a balance between a high level of current income and growth of capital, with a greater emphasis on growth of capital.

**Multimanager Lifestyle Moderate Portfolio:** To seek a balance between a high level of current income and growth of capital, with a greater emphasis on income.

The Board of Trustees can change a fund's investment objective and strategy without shareholder approval.

Each fund operates as a fund of funds and, except as otherwise described below, normally invests approximately 100% of its assets in underlying funds.

For each fund, other than the Multimanager Lifestyle Aggressive Portfolio, variations in the target percentage allocation between underlying funds that invest primarily in equity securities and underlying funds that invest primarily in fixed-income securities are permitted up to 10%. For the Multimanager Lifestyle Aggressive Portfolio, variations in the target percentage allocation between underlying funds that invest primarily in equity securities are permitted to increase up to 5% and decrease up to 10% and underlying funds that invest primarily in fixed-income securities are permitted to increase up to 10% and decrease up to 5%. Although variations beyond the 5% or 10% range are generally not permitted, the manager may determine, in light of market or economic conditions, that the normal percentage limitations should be exceeded to protect a fund or to achieve its goal.

Within the prescribed percentage allocation, the manager selects the percentage level to be maintained in specific underlying funds. The manager may, from time to time, change the allocation in specific underlying funds or rebalance the underlying funds. To maintain target allocation in the underlying funds, daily cash flows for a fund will be directed to its underlying funds that most deviate from target.

The funds may invest in various actively managed underlying funds that, as a group, hold a wide range of equity-type securities. The fund may also invest in various passively managed underlying funds. Equity-type securities include small-, mid-, and large-capitalization stocks; domestic and foreign securities (including emerging-market securities); and sector holdings. Each of these underlying funds has its own investment strategy that, for example, may focus on growth stocks or value stocks or may employ a strategy combining growth and income stocks and/or may invest in derivatives, such as options on securities and futures contracts. Certain of the underlying funds in which the funds invest focus their investment strategy on fixed-income securities, which may include investment-grade and below-investment-grade debt securities with maturities that range from short to longer term. The fixed-income underlying funds collectively hold various types of debt instruments, such as corporate bonds and mortgage-backed, government-issued, domestic, and international securities. The fund may also invest in various underlying funds that invest in alternative and specialty asset classes.

The funds may invest in affiliated and nonaffiliated investment companies. In addition to investing in exchange-traded funds (ETFs), the funds may also invest in U.S. government securities and derivatives, such as credit default swaps and options on equity index futures, interest-rate swaps, and foreign currency forward contracts, in each case for the purposes of reducing risk, obtaining efficient market exposure, and/or enhancing investment returns. The funds may also directly invest in exchange-traded notes (ETNs). The funds are also authorized to use various other investment strategies such as investing directly in fixed-income and equity securities, closed-end funds, and partnerships, and short-selling securities.

The manager considers environmental, social, and/or governance (ESG) factors, alongside other relevant factors, as part of its investment process. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. The ESG characteristics utilized in each fund's investment process may change over time and one or more characteristics may not be relevant with respect to all issuers that are eligible fund investments.

Because investors have different investment goals, risk tolerances, investment time horizons, and financial circumstances, the funds offer five distinct, comprehensive investment programs designed for differing investment orientations. Each fund has a target percentage allocation between two kinds of underlying funds: those that invest primarily in equity securities and those that invest primarily in fixed-income securities.

### Target allocation among underlying funds (%)

Portfolio	Equity funds (%)	Fixed-income funds (%)
Multimanager Lifestyle Growth	80	20
Multimanager Lifestyle Balanced	60	40
Multimanager Lifestyle Moderate	40	60

The funds offer a number of share classes, which have different expense and distribution or shareholder service arrangements. Each fund, however, generally invests in Class NAV shares of the affiliated underlying funds. Class NAV shares are sold without any sales charge and are not subject to distribution or Rule 12b-1 fees. The funds may also invest in classes of shares of unaffiliated funds that are similar to Class NAV shares.

Each fund is monitored daily. To maintain target allocations in the underlying funds, daily cash flow for each fund will be directed to its underlying funds that most deviate from target allocations. The managers may, from time to time, rebalance a fund's investment allocation to maintain its target allocations. Adjustments may be made to increase or reduce the percentage of assets invested in any specific underlying funds held by a fund or to increase or reduce the percentage of the fund's assets subject to the management of a particular underlying fund's manager. In addition, changes to a fund's investments may be made to reflect fundamental changes in the investment environment or to increase or decrease the fund's holdings of particular asset classes, such as common stocks of foreign issuers, or to adjust portfolio quality or the duration of fixed-income securities.

## Fund details

The investment performance of each fund will reflect both its managers' allocation decisions with respect to the underlying funds and the investment decisions made by the underlying funds' managers.

Each fund may invest in cash or money market instruments for the purpose of meeting redemption requests or making other anticipated cash payments.

### Investing during transition periods

A fund may deviate from its principal investment strategies during transition periods, which may include the reassignment of portfolio management, a change in investment objective or strategy, a reorganization or liquidation, or the occurrence of large inflows or outflows.

### Temporary defensive investing

A fund may invest up to 100% of its assets in cash, money market instruments, or other investment-grade short-term securities for the purpose of protecting the fund in the event the managers determine that market, economic, political or other conditions warrant a defensive posture.

To the extent that the fund is in a defensive position, its ability to achieve its investment objective will be limited.

### Asset allocation management

Subject to the limitations described above, each fund may, at any time, invest any percentage of its assets in any of the different investments described above. The manager may, from time to time, adjust the percentage of assets invested in any specific investment held by a fund. Such adjustments may be made, for example, to increase or decrease the fund's holdings of particular asset classes, to adjust the overall credit quality or the duration of fixed-income securities, or to increase or reduce the percentage of the fund's assets subject to the management of a particular underlying fund. In addition, changes may be made to reflect fundamental changes in the investment environment.

### Other permitted investments

The funds of funds may directly:

- purchase U.S. government securities and short-term paper;
- purchase shares of other registered open-end investment companies (and registered unit investment trusts) within the same "group of investment companies" as that term is defined in Section 12 of the Investment Company Act of 1940, as amended;
- purchase shares of other registered open-end investment companies (and registered unit investment trusts) where the advisor is not the same as, or affiliated with, the advisor to the fund, including ETFs;
- purchase exchange-traded notes (ETNs);
- invest in domestic and foreign equity securities, which may include common and preferred stocks of large-, mid-, and small-capitalization companies in both developed (including the United States) and emerging markets;
- invest in domestic and foreign fixed-income securities, which may include debt securities of governments throughout the world (including the United States), their agencies and instrumentalities,

debt securities of corporations and supranationals, inflation-indexed securities, convertible bonds, mortgage-backed securities, asset-backed securities and collateralized debt securities. Investments in fixed-income securities may include securities of issuers in both developed (including the United States) and emerging markets, and may include fixed-income securities rated below investment grade;

- purchase securities of registered closed-end investment companies that are part of the same "group of investment companies" as that term is defined in Section 12 of the Investment Company Act of 1940, as amended;
- invest up to 15% of its net assets in illiquid securities of entities such as limited partnerships and other pooled investment vehicles, such as hedge funds;
- make short sales of securities (borrow and sell securities), either to realize appreciation when a security that the fund does not own declines in value or as a hedge against potential declines in the value of a fund security; and
- invest in qualified publicly traded partnerships and other publicly traded partnerships that, at the time of investment, the advisor believes will primarily generate only good income for purposes of qualifying as a regulated investment company under the Internal Revenue Code of 1986, as amended, including such publicly traded partnerships that invest principally in commodities or commodity-linked derivatives (with the prior approval of the advisor's Complex Securities Committee).

The funds of funds may use various investment strategies such as hedging and other related transactions. For example, the funds of funds may use derivative instruments (such as options, futures and swaps) for hedging purposes, including hedging various market risks and managing the effective maturity or duration of debt instruments held by the fund. In addition, these strategies may be used to gain exposure to a particular security or securities market. The funds of funds also may purchase and sell commodities and may enter into swap contracts and other commodity-linked derivative instruments including those linked to physical commodities. Please refer to "Hedging and Other Strategic Transactions" in the Statement of Additional Information (SAI).

Because of uncertainties under federal tax laws as to whether income from commodity-linked derivative instruments and certain other instruments would constitute qualifying income to a regulated investment company, the fund is not permitted to invest directly in such instruments unless the manager obtains prior written approval from the advisor's Complex Securities Committee. See "Additional information concerning taxes" in the SAI.

### Principal risks of investing in the funds of funds

*Unless otherwise noted, in this section, references to a single fund apply equally to all of the funds.*

An investment in a fund is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Each fund's shares will go up and down in price, meaning that you could lose money by investing in the fund. Many factors influence a fund's performance. A fund's investment strategy may not produce the intended results.

## Fund details

Instability in the financial markets has led many governments, including the U.S. government, to take a number of unprecedented actions designed to support certain financial institutions and segments of the financial markets that have experienced extreme volatility and, in some cases, a lack of liquidity. Federal, state, and other governments, and their regulatory agencies or self-regulatory organizations, may take actions that affect the regulation of the instruments in which a fund invests, or the issuers of such instruments, in ways that are unforeseeable. Legislation or regulation may also change the way in which each fund itself is regulated. Such legislation or regulation could limit or preclude each fund's ability to achieve its investment objective. In addition, political events within the United States and abroad could negatively impact financial markets and each fund's performance. Further, certain municipalities of the United States and its territories are financially strained and may face the possibility of default on their debt obligations, which could directly or indirectly detract from each fund's performance.

Governments or their agencies may also acquire distressed assets from financial institutions and acquire ownership interests in those institutions. The implications of government ownership and disposition of these assets are unclear, and such a program may have positive or negative effects on the liquidity, valuation, and performance of each fund's portfolio holdings. Furthermore, volatile financial markets can expose each fund to greater market and liquidity risk, increased transaction costs, and potential difficulty in valuing portfolio instruments held by each fund.

The principal risks of investing in each fund are summarized in its fund summary above. Below are descriptions of the main factors that may play a role in shaping a fund's overall risk profile. The descriptions appear in alphabetical order, not in order of importance. For further details about fund risks, including additional risk factors that are not discussed in this prospectus because they are not considered primary factors, see the funds' Statement of Additional Information (SAI).

### **Commodity risk**

The market price of commodity investments may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at times. The value of commodities investments will generally be affected by overall market movements and factors specific to a particular industry or commodity, which may include weather, pandemics, epidemics, embargoes, tariffs, and health, political, international and regulatory developments. Economic and other events (whether real or perceived) can reduce the demand for commodities, which may reduce market prices and cause the value of shares of the fund to fall. Exposure to commodities and commodities markets may subject the fund to greater volatility than investments in traditional securities. Certain types of commodities instruments (such as total return swaps and commodity-linked notes) are subject to the risk that the counterparty to the instrument will not perform or will be unable to perform in accordance with the terms of the instrument.

### **Credit and counterparty risk**

This is the risk that an issuer of a U.S. government security, the issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter (OTC) derivatives contract (see "Hedging, derivatives,

and other strategic transactions risk"), or a borrower of a fund's securities will be unable or unwilling to make timely principal, interest, or settlement payments, or otherwise honor its obligations. Credit risk associated with investments in fixed-income securities relates to the ability of the issuer to make scheduled payments of principal and interest on an obligation. A fund that invests in fixed-income securities is subject to varying degrees of risk that the issuers of the securities will have their credit ratings downgraded or will default, potentially reducing the fund's share price and income level. Nearly all fixed-income securities are subject to some credit risk, which may vary depending upon whether the issuers of the securities are corporations, domestic or foreign governments, or their subdivisions or instrumentalities. U.S. government securities are subject to varying degrees of credit risk depending upon whether the securities are supported by the full faith and credit of the United States; supported by the ability to borrow from the U.S. Treasury; supported only by the credit of the issuing U.S. government agency, instrumentality, or corporation; or otherwise supported by the United States. For example, issuers of many types of U.S. government securities (e.g., the Federal Home Loan Mortgage Corporation (Freddie Mac), Federal National Mortgage Association (Fannie Mae), and Federal Home Loan Banks), although chartered or sponsored by Congress, are not funded by congressional appropriations, and their fixed-income securities, including asset-backed and mortgage-backed securities, are neither guaranteed nor insured by the U.S. government. An agency of the U.S. government has placed Fannie Mae and Freddie Mac into conservatorship, a statutory process with the objective of returning the entities to normal business operations. It is unclear what effect this conservatorship will have on the securities issued or guaranteed by Fannie Mae or Freddie Mac. As a result, these securities are subject to more credit risk than U.S. government securities that are supported by the full faith and credit of the United States (e.g., U.S. Treasury bonds). When a fixed-income security is not rated, a manager may have to assess the risk of the security itself. Asset-backed securities, whose principal and interest payments are supported by pools of other assets, such as credit card receivables and automobile loans, are subject to further risks, including the risk that the obligors of the underlying assets default on payment of those assets.

In addition, a fund is exposed to credit risk to the extent that it makes use of OTC derivatives (such as forward foreign currency contracts and/or swap contracts) and engages to a significant extent in the lending of fund securities or the use of repurchase agreements. OTC derivatives transactions can be closed out with the other party to the transaction. If the counterparty defaults, a fund will have contractual remedies, but there is no assurance that the counterparty will be able to meet its contractual obligations or that, in the event of default, a fund will succeed in enforcing them. A fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those payments may be delayed or made only after the fund has incurred the costs of litigation. While the manager intends to monitor the creditworthiness of contract counterparties, there can be no assurance that the counterparty will be in a position to meet its obligations, especially during unusually adverse market conditions.



### **Economic and market events risk**

Events in certain sectors historically have resulted, and may in the future result, in an unusually high degree of volatility in the financial markets, both domestic and foreign. These events have included, but are not limited to: bankruptcies, corporate restructurings, and other similar events; bank failures; governmental efforts to limit short selling and high frequency trading; measures to address U.S. federal and state budget deficits; social, political, and economic instability in Europe; economic stimulus by the Japanese central bank; dramatic changes in energy prices and currency exchange rates; and China's economic slowdown. Interconnected global economies and financial markets increase the possibility that conditions in one country or region might adversely impact issuers in a different country or region. Both domestic and foreign equity markets have experienced increased volatility and turmoil, with issuers that have exposure to the real estate, mortgage, and credit markets particularly affected. Financial institutions could suffer losses as interest rates rise or economic conditions deteriorate.

In addition, relatively high market volatility and reduced liquidity in credit and fixed-income markets may adversely affect many issuers worldwide. Actions taken by the U.S. Federal Reserve (Fed) or foreign central banks to stimulate or stabilize economic growth, such as interventions in currency markets, could cause high volatility in the equity and fixed-income markets. Reduced liquidity may result in less money being available to purchase raw materials, goods, and services from emerging markets, which may, in turn, bring down the prices of these economic staples. It may also result in emerging-market issuers having more difficulty obtaining financing, which may, in turn, cause a decline in their securities prices.

Beginning in March 2022, the Fed began increasing interest rates and has signaled the potential for further increases. As a result, risks associated with rising interest rates are currently heightened. It is difficult to accurately predict the pace at which the Fed will increase interest rates any further, or the timing, frequency or magnitude of any such increases, and the evaluation of macro-economic and other conditions could cause a change in approach in the future. Any such increases generally will cause market interest rates to rise and could cause the value of a fund's investments, and the fund's net asset value (NAV), to decline, potentially suddenly and significantly. As a result, the fund may experience high redemptions and, as a result, increased portfolio turnover, which could increase the costs that the fund incurs and may negatively impact the fund's performance.

In addition, as the Fed increases the target Fed funds rate, any such rate increases, among other factors, could cause markets to experience continuing high volatility. A significant increase in interest rates may cause a decline in the market for equity securities. These events and the possible resulting market volatility may have an adverse effect on the fund.

Political turmoil within the United States and abroad may also impact the fund. Although the U.S. government has honored its credit obligations, it remains possible that the United States could default on its obligations. While it is impossible to predict the consequences of such an unprecedented event, it is likely that a default by the United States would be highly disruptive to the U.S. and global securities markets and could

significantly impair the value of the fund's investments. Similarly, political events within the United States at times have resulted, and may in the future result, in a shutdown of government services, which could negatively affect the U.S. economy, decrease the value of many fund investments, and increase uncertainty in or impair the operation of the U.S. or other securities markets. In recent years, the U.S. renegotiated many of its global trade relationships and imposed or threatened to impose significant import tariffs. These actions could lead to price volatility and overall declines in U.S. and global investment markets.

Uncertainties surrounding the sovereign debt of a number of European Union (EU) countries and the viability of the EU have disrupted and may in the future disrupt markets in the United States and around the world. If one or more countries leave the EU or the EU dissolves, the global securities markets likely will be significantly disrupted. On January 31, 2020, the United Kingdom (UK) left the EU, commonly referred to as "Brexit," the UK ceased to be a member of the EU, and the UK and EU entered into a Trade and Cooperation Agreement. While the full impact of Brexit is unknown, Brexit has already resulted in volatility in European and global markets. There remains significant market uncertainty regarding Brexit's ramifications, and the range and potential implications of possible political, regulatory, economic, and market outcomes are difficult to predict.

A widespread health crisis such as a global pandemic could cause substantial market volatility, exchange trading suspensions and closures, which may lead to less liquidity in certain instruments, industries, sectors or the markets generally, and may ultimately affect fund performance. For example, the coronavirus (COVID-19) pandemic has resulted and may continue to result in significant disruptions to global business activity and market volatility due to disruptions in market access, resource availability, facilities operations, imposition of tariffs, export controls and supply chain disruption, among others. While many countries have lifted some or all restrictions related to the coronavirus (COVID-19) and the United States ended the public health emergency and national emergency declarations relating to the coronavirus (COVID-19) pandemic on May 11, 2023, the continued impact of coronavirus (COVID-19) and related variants is uncertain. The impact of a health crisis and other epidemics and pandemics that may arise in the future, could affect the global economy in ways that cannot necessarily be foreseen at the present time. A health crisis may exacerbate other pre-existing political, social and economic risks. Any such impact could adversely affect the fund's performance, resulting in losses to your investment.

Political and military events, including in Ukraine, North Korea, Russia, Venezuela, Iran, Syria, and other areas of the Middle East, and nationalist unrest in Europe and South America, also may cause market disruptions.

As a result of continued political tensions and armed conflicts, including the Russian invasion of Ukraine commencing in February of 2022, the extent and ultimate result of which are unknown at this time, the United States and the EU, along with the regulatory bodies of a number of countries, have imposed economic sanctions on certain Russian corporate entities and individuals, and certain sectors of Russia's economy, which may result in, among other things, the continued devaluation of Russian currency, a downgrade in the country's credit

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rating, and/or a decline in the value and liquidity of Russian securities, property or interests. These sanctions could also result in the immediate freeze of Russian securities and/or funds invested in prohibited assets, impairing the ability of a fund to buy, sell, receive or deliver those securities and/or assets. These sanctions or the threat of additional sanctions could also result in Russia taking counter measures or retaliatory actions, which may further impair the value and liquidity of Russian securities. The United States and other nations or international organizations may also impose additional economic sanctions or take other actions that may adversely affect Russia-exposed issuers and companies in various sectors of the Russian economy. Any or all of these potential results could lead Russia's economy into a recession. Economic sanctions and other actions against Russian institutions, companies, and individuals resulting from the ongoing conflict may also have a substantial negative impact on other economies and securities markets both regionally and globally, as well as on companies with operations in the conflict region, the extent to which is unknown at this time. The United States and the EU have also imposed similar sanctions on Belarus for its support of Russia's invasion of Ukraine. Additional sanctions may be imposed on Belarus and other countries that support Russia. Any such sanctions could present substantially similar risks as those resulting from the sanctions imposed on Russia, including substantial negative impacts on the regional and global economies and securities markets.

In addition, there is a risk that the prices of goods and services in the United States and many foreign economies may decline over time, known as deflation. Deflation may have an adverse effect on stock prices and creditworthiness and may make defaults on debt more likely. If a country's economy slips into a deflationary pattern, it could last for a prolonged period and may be difficult to reverse. Further, there is a risk that the present value of assets or income from investments will be less in the future, known as inflation. Inflation rates may change frequently and drastically as a result of various factors, including unexpected shifts in the domestic or global economy, and a fund's investments may be affected, which may reduce a fund's performance. Further, inflation may lead to the rise in interest rates, which may negatively affect the value of debt instruments held by the fund, resulting in a negative impact on a fund's performance. Generally, securities issued in emerging markets are subject to a greater risk of inflationary or deflationary forces, and more developed markets are better able to use monetary policy to normalize markets.

### **Equity securities risk**

Common and preferred stocks represent equity ownership in a company. Stock markets are volatile. The price of equity securities will fluctuate, and can decline and reduce the value of a fund investing in equities. The price of equity securities fluctuates based on changes in a company's financial condition and overall market and economic conditions. The value of equity securities purchased by a fund could decline if the financial condition of the companies in which the fund is invested declines, or if overall market and economic conditions deteriorate. An issuer's financial condition could decline as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages, corporate restructurings, fraudulent disclosures, irregular and/or unexpected trading activity

among retail investors, or other factors. Changes in the financial condition of a single issuer can impact the market as a whole.

Even a fund that invests in high-quality, or blue chip, equity securities, or securities of established companies with large market capitalizations (which generally have strong financial characteristics), can be negatively impacted by poor overall market and economic conditions. Companies with large market capitalizations may also have less growth potential than smaller companies and may be less able to react quickly to changes in the marketplace.

A fund generally does not attempt to time the market. Because of its exposure to equities, the possibility that stock market prices in general will decline over short or extended periods subjects the fund to unpredictable declines in the value of its investments, as well as periods of poor performance.

### **ESG integration risk**

The manager considers ESG factors that it deems relevant or additive, along with other material factors and analysis, when managing a fund. The manager may consider these ESG factors on all or a meaningful portion of a fund's investments. In certain situations, the extent to which these ESG factors may be applied according to the manager's integrated investment process may not include U.S. Treasuries, government securities, or other asset classes. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. Incorporating ESG criteria and making investment decisions based on certain ESG characteristics, as determined by the manager, carries the risk that a fund may perform differently, including underperforming, funds that do not utilize ESG criteria, or funds that utilize different ESG criteria. Integration of ESG factors into a fund's investment process may result in a manager making different investments for a fund than for a fund with a similar investment universe and/or investment style that does not incorporate such considerations in its investment strategy or processes, and a fund's investment performance may be affected. Because ESG factors are one of many considerations for a fund, the manager may nonetheless include companies with low ESG characteristics or exclude companies with high ESG characteristics in a fund's investments.

The ESG characteristics utilized in a fund's investment process may change over time, and different ESG characteristics may be relevant to different investments. Although the manager has established its own structure to oversee ESG integration in accordance with the fund's investment objective and strategies, successful integration of ESG factors will depend on the manager's skill in researching, identifying, and applying these factors, as well as on the availability of relevant data. The method of evaluating ESG factors and subsequent impact on portfolio composition, performance, proxy voting decisions and other factors, is subject to the interpretation of the manager in accordance with the fund's investment objective and strategies. ESG factors may be evaluated differently by different managers, and may not carry the same meaning to all investors and managers. The manager may employ active shareowner engagement to raise ESG issues with the management of select portfolio companies. The regulatory landscape with respect to ESG investing in the United States is evolving and any future rules or

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regulations may require a fund to change its investment process with respect to ESG integration.

### **Exchange-traded funds (ETFs) risk**

ETFs are a type of investment company bought and sold on a securities exchange. A fund could purchase shares of an ETF to gain exposure to a portion of the U.S. or a foreign market. The risks of owning shares of an ETF include the risks of directly owning the underlying securities and other instruments the ETF holds. A lack of liquidity in an ETF (e.g., absence of an active trading market) could result in the ETF being more volatile than its underlying securities. The existence of extreme market volatility or potential lack of an active trading market for an ETF's shares could result in the ETF's shares trading at a significant premium or discount to its net asset value (NAV). An ETF has its own fees and expenses, which are indirectly borne by the fund. A fund may also incur brokerage and other related costs when it purchases and sells ETFs. Also, in the case of passively-managed ETFs, there is a risk that an ETF may fail to closely track the index or market segment that it is designed to track due to delays in the ETF's implementation of changes to the composition of the index or other factors.

### **Exchange-traded notes (ETNs) risk**

ETNs are a type of unsecured, unsubordinated debt security that have characteristics and risks similar to those of fixed-income securities and trade on a major exchange similar to shares of ETFs. This type of debt security differs, however, from other types of bonds and notes because ETN returns are based upon the performance of a market index minus applicable fees, no period coupon payments are distributed, and no principal protections exist. The purpose of ETNs is to create a type of security that combines the aspects of both bonds and ETFs. The value of an ETN may be influenced by time to maturity; level of supply and demand for the ETN; volatility and lack of liquidity in underlying commodities or securities markets; changes in the applicable interest rates; changes in the issuer's credit rating; and economic, legal, political, or geographic events that affect the referenced commodity or security. The fund's decision to sell its ETN holdings also may be limited by the availability of a secondary market. If the fund must sell some or all of its ETN holdings and the secondary market is weak, it may have to sell such holdings at a discount. If the fund holds its investment in an ETN until maturity, the issuer will give the fund a cash amount that would be equal to the principal amount (subject to the day's index factor). ETNs are also subject to counterparty credit risk and fixed-income risk.

### **Fixed-income securities risk**

Fixed-income securities are generally subject to two principal types of risk, as well as other risks described below: (1) interest-rate risk and (2) credit quality risk.

**Interest-rate risk.** Fixed-income securities are affected by changes in interest rates. When interest rates decline, the market value of fixed-income securities generally can be expected to rise. Conversely, when interest rates rise, the market value of fixed-income securities generally can be expected to decline. The longer the duration or maturity of a fixed-income security, the more susceptible it is to interest-rate risk. Duration is a measure of the price sensitivity of a debt security, or a fund that invests in a portfolio of debt securities, to changes in interest rates, whereas the maturity of a security measures

the time until final payment is due. Duration measures sensitivity more accurately than maturity because it takes into account the time value of cash flows generated over the life of a debt security. Recent and potential future changes in government monetary policy may affect interest rates.

Beginning in March 2022, the Federal Reserve Board (Fed) began increasing interest rates and has signaled the potential for further increases. It is difficult to accurately predict the pace at which the Fed will increase interest rates any further, or the timing, frequency or magnitude of any such increases, and the evaluation of macro-economic and other conditions could cause a change in approach in the future. Any such increases generally will cause market interest rates to rise and could cause the value of a fund's investments, and the fund's net asset value (NAV), to decline, potentially suddenly and significantly. As a result, the fund may experience high redemptions and, as a result, increased portfolio turnover, which could increase the costs that the fund incurs and may negatively impact the fund's performance.

Additionally, the value of inflation-indexed securities is subject to the effects of changes in market interest rates caused by factors other than inflation ("real interest rates"). If interest rates rise due to reasons other than inflation, the fund's investment in these securities may not be protected to the extent that the increase is not reflected in the security's inflation measure. Generally, when real interest rates rise, the value of inflation-indexed securities will fall and the fund's value may decline as a result of this exposure to these securities.

In response to certain economic disruptions, governmental authorities and regulators typically respond with significant fiscal and monetary policy changes, including considerably lowering interest rates, which, in some cases could result in negative interest rates. These actions, including their reversal or potential ineffectiveness, could further increase volatility in securities and other financial markets and reduce market liquidity. To the extent the fund has a bank deposit or holds a debt instrument with a negative interest rate to maturity, the fund would generate a negative return on that investment. Similarly, negative rates on investments by money market funds and similar cash management products could lead to losses on investments, including on investments of the fund's uninvested cash.

**Credit quality risk.** Fixed-income securities are subject to the risk that the issuer of the security will not repay all or a portion of the principal borrowed and will not make all interest payments. If the credit quality of a fixed-income security deteriorates after a fund has purchased the security, the market value of the security may decrease and lead to a decrease in the value of the fund's investments. An issuer's credit quality could deteriorate as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages, corporate restructurings, fraudulent disclosures, or other factors. Funds that may invest in lower-rated fixed-income securities, commonly referred to as junk securities, are riskier than funds that may invest in higher-rated fixed-income securities.

### **Fund of funds risk**

The fund's ability to achieve its investment objective will depend largely, in part, on: (i) the underlying funds' performance, expenses, and ability to meet their investment objectives; and (ii) properly rebalancing assets among underlying funds and different asset classes. The fund is also subject to risks related to: (i) layering of fees of the underlying funds; and (ii) conflicts of interest associated with the subadvisor's ability to allocate fund assets without limit to other funds it advises and/or other funds advised by affiliated subadvisors. There is no assurance that either the fund or the underlying funds will achieve their investment objectives.

### ***Affiliated subadvised fund conflicts of interest risk***

The subadvisor may allocate the fund's assets without limit to underlying funds managed by the subadvisor and/or other affiliated subadvisors (affiliated subadvised funds). Accordingly, rebalancings of the assets of the fund present a conflict of interest because there is an incentive for the subadvisor to allocate assets to the subadvisor and other affiliated subadvised funds rather than underlying funds managed by unaffiliated subadvisors. In this regard, the subadvisor and other affiliated subadvisors of affiliated subadvised funds benefit from the subadvisor's allocations of fund assets to such funds through the additional subadvisory fees they earn on such allocated fund assets. The subadvisor has a duty to allocate assets only to underlying funds it has determined are in the best interests of shareholders, and make allocations to affiliated subadvised funds on this basis without regard to any such economic incentive. As part of its oversight of the fund and the subadvisor, the advisor will monitor to ensure that allocations are conducted in accordance with these principles.

### ***Multi-manager risk; limited universe of subadvisors and underlying funds***

The fund's ability to achieve its investment objective depends upon the subadvisor's skill in determining the fund's strategic allocation to investment strategies and in selecting the best mix of underlying funds. The allocation of investments among the different subadvisors managing underlying funds with different styles and asset classes, such as equity, debt, U.S., or foreign securities, may have a more significant effect on the performance of a fund of funds when one of these investments is performing more poorly than the other. There is no assurance that allocation decisions will result in the desired effects. Investment decisions made by the subadvisor may cause a fund of funds to incur losses or to miss profit opportunities on which it might otherwise have capitalized. Moreover, at times, the subadvisor may invest fund assets in underlying funds managed by a limited number of subadvisors. In such circumstances, the fund's performance could be substantially dependent on the performance of these subadvisors. Similarly, the subadvisor's allocation of a fund of fund's assets to a limited number of underlying funds may adversely affect the performance of the fund of funds, and, in such circumstances, it will be more sensitive to the performance and risks associated with those funds and any investments in which such underlying funds focus.

### **Hedging, derivatives, and other strategic transactions risk**

The ability of a fund to utilize hedging, derivatives, and other strategic transactions to benefit the fund will depend in part on its manager's ability to predict pertinent market movements and market risk,

counterparty risk, credit risk, interest-rate risk, and other risk factors, none of which can be assured. The skills required to utilize hedging and other strategic transactions are different from those needed to select a fund's securities. Even if the manager only uses hedging and other strategic transactions in a fund primarily for hedging purposes or to gain exposure to a particular securities market, if the transaction does not have the desired outcome, it could result in a significant loss to a fund. The amount of loss could be more than the principal amount invested. These transactions may also increase the volatility of a fund and may involve a small investment of cash relative to the magnitude of the risks assumed, thereby magnifying the impact of any resulting gain or loss. For example, the potential loss from the use of futures can exceed a fund's initial investment in such contracts. In addition, these transactions could result in a loss to a fund if the counterparty to the transaction does not perform as promised.

A fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates, or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates, and related indexes. A fund may use derivatives for many purposes, including for hedging and as a substitute for direct investment in securities or other assets. Derivatives may be used in a way to efficiently adjust the exposure of a fund to various securities, markets, and currencies without a fund actually having to sell existing investments and make new investments. This generally will be done when the adjustment is expected to be relatively temporary or in anticipation of effecting the sale of fund assets and making new investments over time. Further, since many derivatives have a leverage component, adverse changes in the value or level of the underlying asset, reference rate, or index can result in a loss substantially greater than the amount invested in the derivative itself. Certain derivatives have the potential for unlimited loss, regardless of the size of the initial investment. When a fund uses derivatives for leverage, investments in that fund will tend to be more volatile, resulting in larger gains or losses in response to market changes. To limit risks associated with leverage, a fund is required to comply with Rule 18f-4 under the Investment Company Act of 1940, as amended (the Derivatives Rule) as outlined below. For a description of the various derivative instruments the fund may utilize, refer to the SAI.

The regulation of the U.S. and non-U.S. derivatives markets has undergone substantial change in recent years and such change may continue. In particular, the Dodd-Frank Wall Street Reform and Consumer Protection Act, and regulations promulgated or proposed thereunder require many derivatives to be cleared and traded on an exchange, expand entity registration requirements, impose business conduct requirements on dealers that enter into swaps with a pension plan, endowment, retirement plan or government entity, and required banks to move some derivatives trading units to a non-guaranteed affiliate separate from the deposit-taking bank or divest them altogether. Although the Commodity Futures Trading Commission (CFTC) has released final rules relating to clearing, reporting, recordkeeping and registration requirements under the legislation, many of the provisions are subject to further final rule making, and thus its ultimate impact remains unclear. New regulations could, among other things, restrict a fund's ability to engage in derivatives transactions (for example, by

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making certain types of derivatives transactions no longer available to the fund) and/or increase the costs of such derivatives transactions (for example, by increasing margin or capital requirements), and a fund may be unable to fully execute its investment strategies as a result. Limits or restrictions applicable to the counterparties with which a fund engages in derivative transactions also could prevent the fund from using these instruments or affect the pricing or other factors relating to these instruments, or may change the availability of certain investments.

The Derivatives Rule mandates that a fund adopt and/or implement: (i) value-at-risk limitations (VaR); (ii) a written derivatives risk management program; (iii) new Board oversight responsibilities; and (iv) new reporting and recordkeeping requirements. In the event that a fund's derivative exposure is 10% or less of its net assets, excluding certain currency and interest rate hedging transactions, it can elect to be classified as a limited derivatives user (Limited Derivatives User) under the Derivatives Rule, in which case the fund is not subject to the full requirements of the Derivatives Rule. Limited Derivatives Users are excepted from VaR testing, implementing a derivatives risk management program, and certain Board oversight and reporting requirements mandated by the Derivatives Rule. However, a Limited Derivatives User is still required to implement written compliance policies and procedures reasonably designed to manage its derivatives risks.

The Derivatives Rule also provides special treatment for reverse repurchase agreements, similar financing transactions and unfunded commitment agreements. Specifically, a fund may elect whether to treat reverse repurchase agreements and similar financing transactions as "derivatives transactions" subject to the requirements of the Derivatives Rule or as senior securities equivalent to bank borrowings for purposes of Section 18 of the Investment Company Act of 1940. In addition, when-issued or forward settling securities transactions that physically settle within 35-days are deemed not to involve a senior security.

At any time after the date of this prospectus, legislation may be enacted that could negatively affect the assets of a fund. Legislation or regulation may change the way in which a fund itself is regulated. The advisor cannot predict the effects of any new governmental regulation that may be implemented, and there can be no assurance that any new governmental regulation will not adversely affect a fund's ability to achieve its investment objectives.

The use of derivative instruments may involve risks different from, or potentially greater than, the risks associated with investing directly in securities and other, more traditional assets. In particular, the use of derivative instruments exposes a fund to the risk that the counterparty to an OTC derivatives contract will be unable or unwilling to make timely settlement payments or otherwise honor its obligations. OTC derivatives transactions typically can only be closed out with the other party to the transaction, although either party may engage in an offsetting transaction that puts that party in the same economic position as if it had closed out the transaction with the counterparty or may obtain the other party's consent to assign the transaction to a third party. If the counterparty defaults, the fund will have contractual remedies, but there is no assurance that the counterparty will meet its contractual obligations or that, in the event of default, the fund will succeed in enforcing them. For example, because the contract for each OTC

derivatives transaction is individually negotiated with a specific counterparty, a fund is subject to the risk that a counterparty may interpret contractual terms (e.g., the definition of default) differently than the fund when the fund seeks to enforce its contractual rights. If that occurs, the cost and unpredictability of the legal proceedings required for the fund to enforce its contractual rights may lead it to decide not to pursue its claims against the counterparty. The fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those payments may be delayed or made only after the fund has incurred the costs of litigation. While a manager intends to monitor the creditworthiness of counterparties, there can be no assurance that a counterparty will meet its obligations, especially during unusually adverse market conditions. To the extent a fund contracts with a limited number of counterparties, the fund's risk will be concentrated and events that affect the creditworthiness of any of those counterparties may have a pronounced effect on the fund. Derivatives are also subject to a number of other risks, including market risk, liquidity risk and operational risk. Since the value of derivatives is calculated and derived from the value of other assets, instruments, or references, there is a risk that they will be improperly valued. Derivatives also involve the risk that changes in their value may not correlate perfectly with the assets, rates, or indexes they are designed to hedge or closely track. Suitable derivatives transactions may not be available in all circumstances. The fund is also subject to the risk that the counterparty closes out the derivatives transactions upon the occurrence of certain triggering events. In addition, a manager may determine not to use derivatives to hedge or otherwise reduce risk exposure. Government legislation or regulation could affect the use of derivatives transactions and could limit a fund's ability to pursue its investment strategies.

A detailed discussion of various hedging and other strategic transactions appears in the SAI. To the extent that a fund utilizes the following list of certain derivatives and other strategic transactions, it will be subject to associated risks. The main risks of each appear below.

**Credit default swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving credit default swaps.

**Foreign currency forward contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), foreign currency risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving foreign currency forward contracts.

**Futures contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving futures contracts.

**Interest-rate swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving interest-rate swaps.

**Options.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the

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principal risks of engaging in transactions involving options. Counterparty risk does not apply to exchange-traded options.

### **Investment company securities risk**

Fund shareholders indirectly bear their proportionate share of the expenses of any investment company in which the fund invests. The total return on such investments will be reduced by the operating expenses and fees of such other investment companies, including advisory fees. Investments in closed-end funds may involve the payment of substantial premiums above the value of such investment companies' portfolio securities.

### **Liquidity risk**

The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Funds with principal investment strategies that involve investments in securities of companies with smaller market capitalizations, foreign securities, derivatives, or securities with substantial market and/or credit risk tend to have the greatest exposure to liquidity risk. Exposure to liquidity risk may be heightened for funds that invest in securities of emerging markets and related derivatives that are not widely traded, and that may be subject to purchase and sale restrictions.

### **Operational and cybersecurity risk**

With the increased use of technologies, such as mobile devices and "cloud"-based service offerings and the dependence on the internet and computer systems to perform necessary business functions, the fund's service providers are susceptible to operational and information or cybersecurity risks that could result in losses to the fund and its shareholders. Intentional cybersecurity breaches include unauthorized access to systems, networks, or devices (such as through "hacking" activity or "phishing"); infection from computer viruses or other malicious software code; and attacks that shut down, disable, slow, or otherwise disrupt operations, business processes, or website access or functionality. Cyber-attacks can also be carried out in a manner that does not require gaining unauthorized access, such as causing denial-of-service attacks on the service providers' systems or websites rendering them unavailable to intended users or via "ransomware" that renders the systems inoperable until appropriate actions are taken. In addition, unintentional incidents can occur, such as the inadvertent release of confidential information (possibly resulting in the violation of applicable privacy laws).

A cybersecurity breach could result in the loss or theft of customer data or funds, loss or theft of proprietary information or corporate data, physical damage to a computer or network system, or costs associated with system repairs. Such incidents could cause a fund, the advisor, a manager, or other service providers to incur regulatory penalties, reputational damage, additional compliance costs, litigation costs or financial loss. In addition, such incidents could affect issuers in which a fund invests, and thereby cause the fund's investments to lose value.

Cyber-events have the potential to materially affect the fund and the advisor's relationships with accounts, shareholders, clients, customers, employees, products, and service providers. The fund has established

risk management systems reasonably designed to seek to reduce the risks associated with cyber-events. There is no guarantee that the fund will be able to prevent or mitigate the impact of any or all cyber-events.

The fund is exposed to operational risk arising from a number of factors, including, but not limited to, human error, processing and communication errors, errors of the fund's service providers, counterparties, or other third parties, failed or inadequate processes and technology or system failures.

In addition, other disruptive events, including (but not limited to) natural disasters and public health crises may adversely affect the fund's ability to conduct business, in particular if the fund's employees or the employees of its service providers are unable or unwilling to perform their responsibilities as a result of any such event. Even if the fund's employees and the employees of its service providers are able to work remotely, those remote work arrangements could result in the fund's business operations being less efficient than under normal circumstances, could lead to delays in its processing of transactions, and could increase the risk of cyber-events.

### **Short sales risk**

A fund may make short sales of securities. This means a fund may sell a security that it does not own in anticipation of a decline in the market value of the security. A fund generally borrows the security to deliver to the buyer in a short sale. The fund must then buy the security at its market price when the borrowed security must be returned to the lender. Short sales involve costs and risk. The fund must pay the lender interest on a security it borrows, and the fund will lose money if the price of the borrowed security increases between the time of the short sale and the date when the fund replaces the borrowed security. Further, if other short positions of the same security are closed out at the same time, a "short squeeze" can occur where demand exceeds the supply for the security sold short. A short squeeze makes it more likely that the fund will need to replace the borrowed security at an unfavorable price. A fund may also make short sales "against the box." In a short sale against the box, at the time of sale, the fund owns or has the right to acquire the identical security, or one equivalent in kind or amount, at no additional cost.

Subject to regulatory requirements, until a fund closes its short position or replaces a borrowed security, a fund will comply with all applicable regulatory requirements, including the Derivatives Rule.

### **Principal risks of investing in the underlying funds**

By owning shares of underlying funds, the funds indirectly invest, to varying degrees, in equity securities of U.S. companies, including small- and medium-sized companies, and in fixed-income securities. Many of the underlying funds also invest in foreign securities. In addition, most of the underlying funds may invest in derivatives. To the extent that the funds invest directly in these securities or investments, the funds will be subject to the same risks. In this section, an underlying fund is referred to as a fund.

### **Commodity risk**

The market price of commodity investments may be volatile due to fluctuating demand, supply disruption, speculation, and other factors. Certain commodity investments may have no active trading market at

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times. The value of commodities investments will generally be affected by overall market movements and factors specific to a particular industry or commodity, which may include weather, pandemics, epidemics, embargoes, tariffs, and health, political, international and regulatory developments. Economic and other events (whether real or perceived) can reduce the demand for commodities, which may reduce market prices and cause the value of shares of the fund to fall. Exposure to commodities and commodities markets may subject the fund to greater volatility than investments in traditional securities. Certain types of commodities instruments (such as total return swaps and commodity-linked notes) are subject to the risk that the counterparty to the instrument will not perform or will be unable to perform in accordance with the terms of the instrument.

### **Credit and counterparty risk**

This is the risk that an issuer of a U.S. government security, the issuer or guarantor of a fixed-income security, the counterparty to an over-the-counter (OTC) derivatives contract (see “Hedging, derivatives, and other strategic transactions risk”), or a borrower of a fund’s securities will be unable or unwilling to make timely principal, interest, or settlement payments, or to otherwise honor its obligations. Credit risk associated with investments in fixed-income securities relates to the ability of the issuer to make scheduled payments of principal and interest on an obligation. A fund that invests in fixed-income securities is subject to varying degrees of risk that the issuers of the securities will have their credit ratings downgraded or will default, potentially reducing the fund’s share price and income level. Nearly all fixed-income securities are subject to some credit risk, which may vary depending upon whether the issuers of the securities are corporations, domestic or foreign governments, or their subdivisions or instrumentalities. U.S. government securities are subject to varying degrees of credit risk depending upon whether the securities are supported by the full faith and credit of the United States; supported by the ability to borrow from the U.S. Treasury; supported only by the credit of the issuing U.S. government agency, instrumentality, or corporation; or otherwise supported by the United States. For example, issuers of many types of U.S. government securities (e.g., the Federal Home Loan Mortgage Corporation (Freddie Mac), Federal National Mortgage Association (Fannie Mae), and Federal Home Loan Banks), although chartered or sponsored by Congress, are not funded by congressional appropriations, and their fixed-income securities, including asset-backed and mortgage-backed securities, are neither guaranteed nor insured by the U.S. government. An agency of the U.S. government has placed Fannie Mae and Freddie Mac into conservatorship, a statutory process with the objective of returning the entities to normal business operations. It is unclear what effect this conservatorship will have on the securities issued or guaranteed by Fannie Mae or Freddie Mac. As a result, these securities are subject to more credit risk than U.S. government securities that are supported by the full faith and credit of the United States (e.g., U.S. Treasury bonds). When a fixed-income security is not rated, a manager may have to assess the risk of the security itself. Asset-backed securities, whose principal and interest payments are supported by pools of other assets, such as credit card receivables and automobile loans, are subject to further risks, including the risk that the obligors of the underlying assets default on payment of those assets.

Funds that invest in below-investment-grade securities, also called junk bonds (e.g., fixed-income securities rated Ba or lower by Moody’s Investors Service, Inc. or BB or lower by S&P Global Ratings or Fitch Ratings, as applicable, at the time of investment, or determined by a manager to be of comparable quality to securities so rated) are subject to increased credit risk. The sovereign debt of many foreign governments, including their subdivisions and instrumentalities, falls into this category. Below-investment-grade securities offer the potential for higher investment returns than higher-rated securities, but they carry greater credit risk: their issuers’ continuing ability to meet principal and interest payments is considered speculative, they are more susceptible to real or perceived adverse economic and competitive industry conditions, and they may be less liquid than higher-rated securities.

In addition, a fund is exposed to credit risk to the extent that it makes use of OTC derivatives (such as forward foreign currency contracts and/or swap contracts) and engages to a significant extent in the lending of fund securities or the use of repurchase agreements. OTC derivatives transactions can be closed out with the other party to the transaction. If the counterparty defaults, a fund will have contractual remedies, but there is no assurance that the counterparty will be able to meet its contractual obligations or that, in the event of default, a fund will succeed in enforcing them. A fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those payments may be delayed or made only after the fund has incurred the costs of litigation. While managers monitor the creditworthiness of contract counterparties, there can be no assurance that the counterparty will be in a position to meet its obligations, especially during unusually adverse market conditions.

### **Economic and market events risk**

Events in certain sectors historically have resulted, and may in the future result, in an unusually high degree of volatility in the financial markets, both domestic and foreign. These events have included, but are not limited to: bankruptcies, corporate restructurings, and other similar events; bank failures; governmental efforts to limit short selling and high frequency trading; measures to address U.S. federal and state budget deficits; social, political, and economic instability in Europe; economic stimulus by the Japanese central bank; dramatic changes in energy prices and currency exchange rates; and China’s economic slowdown. Interconnected global economies and financial markets increase the possibility that conditions in one country or region might adversely impact issuers in a different country or region. Both domestic and foreign equity markets have experienced increased volatility and turmoil, with issuers that have exposure to the real estate, mortgage, and credit markets particularly affected. Financial institutions could suffer losses as interest rates rise or economic conditions deteriorate.

In addition, relatively high market volatility and reduced liquidity in credit and fixed-income markets may adversely affect many issuers worldwide. Actions taken by the U.S. Federal Reserve (Fed) or foreign central banks to stimulate or stabilize economic growth, such as interventions in currency markets, could cause high volatility in the equity and fixed-income markets. Reduced liquidity may result in less money being available to purchase raw materials, goods, and services from emerging markets, which may, in turn, bring down the prices of these economic staples. It may also result in emerging-market issuers having more

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difficulty obtaining financing, which may, in turn, cause a decline in their securities prices.

Beginning in March 2022, the Fed began increasing interest rates and has signaled the potential for further increases. As a result, risks associated with rising interest rates are currently heightened. It is difficult to accurately predict the pace at which the Fed will increase interest rates any further, or the timing, frequency or magnitude of any such increases, and the evaluation of macro-economic and other conditions could cause a change in approach in the future. Any such increases generally will cause market interest rates to rise and could cause the value of a fund's investments, and the fund's net asset value (NAV), to decline, potentially suddenly and significantly. As a result, the fund may experience high redemptions and, as a result, increased portfolio turnover, which could increase the costs that the fund incurs and may negatively impact the fund's performance.

In addition, as the Fed increases the target Fed funds rate, any such rate increases, among other factors, could cause markets to experience continuing high volatility. A significant increase in interest rates may cause a decline in the market for equity securities. These events and the possible resulting market volatility may have an adverse effect on the fund.

Political turmoil within the United States and abroad may also impact the fund. Although the U.S. government has honored its credit obligations, it remains possible that the United States could default on its obligations. While it is impossible to predict the consequences of such an unprecedented event, it is likely that a default by the United States would be highly disruptive to the U.S. and global securities markets and could significantly impair the value of the fund's investments. Similarly, political events within the United States at times have resulted, and may in the future result, in a shutdown of government services, which could negatively affect the U.S. economy, decrease the value of many fund investments, and increase uncertainty in or impair the operation of the U.S. or other securities markets. In recent years, the U.S. renegotiated many of its global trade relationships and imposed or threatened to impose significant import tariffs. These actions could lead to price volatility and overall declines in U.S. and global investment markets.

Uncertainties surrounding the sovereign debt of a number of European Union (EU) countries and the viability of the EU have disrupted and may in the future disrupt markets in the United States and around the world. If one or more countries leave the EU or the EU dissolves, the global securities markets likely will be significantly disrupted. On January 31, 2020, the United Kingdom (UK) left the EU, commonly referred to as "Brexit," the UK ceased to be a member of the EU, and the UK and EU entered into a Trade and Cooperation Agreement. While the full impact of Brexit is unknown, Brexit has already resulted in volatility in European and global markets. There remains significant market uncertainty regarding Brexit's ramifications, and the range and potential implications of possible political, regulatory, economic, and market outcomes are difficult to predict.

A widespread health crisis such as a global pandemic could cause substantial market volatility, exchange trading suspensions and closures, which may lead to less liquidity in certain instruments, industries, sectors or the markets generally, and may ultimately affect fund performance. For

example, the coronavirus (COVID-19) pandemic has resulted and may continue to result in significant disruptions to global business activity and market volatility due to disruptions in market access, resource availability, facilities operations, imposition of tariffs, export controls and supply chain disruption, among others. While many countries have lifted some or all restrictions related to the coronavirus (COVID-19) and the United States ended the public health emergency and national emergency declarations relating to the coronavirus (COVID-19) pandemic on May 11, 2023, the continued impact of coronavirus (COVID-19) and related variants is uncertain. The impact of a health crisis and other epidemics and pandemics that may arise in the future, could affect the global economy in ways that cannot necessarily be foreseen at the present time. A health crisis may exacerbate other pre-existing political, social and economic risks. Any such impact could adversely affect the fund's performance, resulting in losses to your investment.

Political and military events, including in Ukraine, North Korea, Russia, Venezuela, Iran, Syria, and other areas of the Middle East, and nationalist unrest in Europe and South America, also may cause market disruptions.

As a result of continued political tensions and armed conflicts, including the Russian invasion of Ukraine commencing in February of 2022, the extent and ultimate result of which are unknown at this time, the United States and the EU, along with the regulatory bodies of a number of countries, have imposed economic sanctions on certain Russian corporate entities and individuals, and certain sectors of Russia's economy, which may result in, among other things, the continued devaluation of Russian currency, a downgrade in the country's credit rating, and/or a decline in the value and liquidity of Russian securities, property or interests. These sanctions could also result in the immediate freeze of Russian securities and/or funds invested in prohibited assets, impairing the ability of a fund to buy, sell, receive or deliver those securities and/or assets. These sanctions or the threat of additional sanctions could also result in Russia taking counter measures or retaliatory actions, which may further impair the value and liquidity of Russian securities. The United States and other nations or international organizations may also impose additional economic sanctions or take other actions that may adversely affect Russia-exposed issuers and companies in various sectors of the Russian economy. Any or all of these potential results could lead Russia's economy into a recession. Economic sanctions and other actions against Russian institutions, companies, and individuals resulting from the ongoing conflict may also have a substantial negative impact on other economies and securities markets both regionally and globally, as well as on companies with operations in the conflict region, the extent to which is unknown at this time. The United States and the EU have also imposed similar sanctions on Belarus for its support of Russia's invasion of Ukraine. Additional sanctions may be imposed on Belarus and other countries that support Russia. Any such sanctions could present substantially similar risks as those resulting from the sanctions imposed on Russia, including substantial negative impacts on the regional and global economies and securities markets.

In addition, there is a risk that the prices of goods and services in the United States and many foreign economies may decline over time, known as deflation. Deflation may have an adverse effect on stock prices and creditworthiness and may make defaults on debt more likely. If a



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country's economy slips into a deflationary pattern, it could last for a prolonged period and may be difficult to reverse. Further, there is a risk that the present value of assets or income from investments will be less in the future, known as inflation. Inflation rates may change frequently and drastically as a result of various factors, including unexpected shifts in the domestic or global economy, and a fund's investments may be affected, which may reduce a fund's performance. Further, inflation may lead to the rise in interest rates, which may negatively affect the value of debt instruments held by the fund, resulting in a negative impact on a fund's performance. Generally, securities issued in emerging markets are subject to a greater risk of inflationary or deflationary forces, and more developed markets are better able to use monetary policy to normalize markets.

### Equity securities risk

Common and preferred stocks represent equity ownership in a company. Stock markets are volatile. The price of equity securities will fluctuate, and can decline and reduce the value of a fund investing in equities. The price of equity securities fluctuates based on changes in a company's financial condition and overall market and economic conditions. The value of equity securities purchased by a fund could decline if the financial condition of the companies in which the fund is invested declines, or if overall market and economic conditions deteriorate. An issuer's financial condition could decline as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages, corporate restructurings, fraudulent disclosures, irregular and/or unexpected trading activity among retail investors, or other factors. Changes in the financial condition of a single issuer can impact the market as a whole.

Even a fund that invests in high-quality, or blue chip, equity securities, or securities of established companies with large market capitalizations (which generally have strong financial characteristics), can be negatively impacted by poor overall market and economic conditions. Companies with large market capitalizations may also have less growth potential than smaller companies and may be less able to react quickly to changes in the marketplace.

A fund generally does not attempt to time the market. Because of its exposure to equities, the possibility that stock market prices in general will decline over short or extended periods subjects the fund to unpredictable declines in the value of its investments, as well as periods of poor performance.

**Growth investment style risk.** Certain equity securities (generally referred to as growth securities) are purchased primarily because a manager believes that these securities will experience relatively rapid earnings growth. Growth securities typically trade at higher multiples of current earnings than other securities. Growth securities are often more sensitive to market fluctuations than other securities because their market prices are highly sensitive to future earnings expectations. At times when it appears that these expectations may not be met, growth stock prices typically fall.

**Value investment style risk.** Certain equity securities (generally referred to as value securities) are purchased primarily because they are selling at prices below what the manager believes to be their fundamental value and not necessarily because the issuing

companies are expected to experience significant earnings growth. The fund bears the risk that the companies that issued these securities may not overcome the adverse business developments or other factors causing their securities to be perceived by the manager to be underpriced or that the market may never come to recognize their fundamental value. A value security may not increase in price, as anticipated by the manager investing in such securities, if other investors fail to recognize the company's value and bid up the price or invest in markets favoring faster growing companies. The fund's strategy of investing in value securities also carries the risk that in certain markets, value securities will underperform growth securities. In addition, securities issued by U.S. entities with substantial foreign operations may involve risks relating to economic, political or regulatory conditions in foreign countries.

### ESG integration risk

The manager considers ESG factors that it deems relevant or additive, along with other material factors and analysis, when managing a fund. The portion of a fund's investments for which the manager considers these ESG factors may vary, and could increase or decrease over time. In certain situations, the extent to which these ESG factors may be applied according to the manager's integrated investment process may not include U.S. Treasuries, government securities, or other asset classes. ESG factors may include, but are not limited to, matters regarding board diversity, climate change policies, and supply chain and human rights policies. Incorporating ESG criteria and making investment decisions based on certain ESG characteristics, as determined by the manager, carries the risk that a fund may perform differently, including underperforming, funds that do not utilize ESG criteria, or funds that utilize different ESG criteria. Integration of ESG factors into a fund's investment process may result in a manager making different investments for a fund than for a fund with a similar investment universe and/or investment style that does not incorporate such considerations in its investment strategy or processes, and a fund's investment performance may be affected. Because ESG factors are one of many considerations for a fund, the manager may nonetheless include companies with low ESG characteristics or exclude companies with high ESG characteristics in a fund's investments.

The ESG characteristics utilized in a fund's investment process may change over time, and different ESG characteristics may be relevant to different investments. Although the manager has established its own structure to oversee ESG integration in accordance with the fund's investment objective and strategies, successful integration of ESG factors will depend on the manager's skill in researching, identifying, and applying these factors, as well as on the availability of relevant data. The method of evaluating ESG factors and subsequent impact on portfolio composition, performance, proxy voting decisions and other factors, is subject to the interpretation of the manager in accordance with the fund's investment objective and strategies. ESG factors may be evaluated differently by different managers, and may not carry the same meaning to all investors and managers. The manager may employ active shareowner engagement to raise ESG issues with the management of select portfolio companies. The regulatory landscape with respect to ESG investing in the United States is evolving and any future rules or

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regulations may require a fund to change its investment process with respect to ESG integration.

### **Exchange-traded funds (ETFs) risk**

ETFs are a type of investment company bought and sold on a securities exchange. A fund could purchase shares of an ETF to gain exposure to a portion of the U.S. or a foreign market. The risks of owning shares of an ETF include the risks of directly owning the underlying securities and other instruments the ETF holds. A lack of liquidity in an ETF (e.g., absence of an active trading market) could result in the ETF being more volatile than its underlying securities. The existence of extreme market volatility or potential lack of an active trading market for an ETF's shares could result in the ETF's shares trading at a significant premium or discount to its net asset value (NAV). An ETF has its own fees and expenses, which are indirectly borne by the fund. A fund may also incur brokerage and other related costs when it purchases and sells ETFs. Also, in the case of passively-managed ETFs, there is a risk that an ETF may fail to closely track the index or market segment that it is designed to track due to delays in the ETF's implementation of changes to the composition of the index or other factors.

### **Fixed-income securities risk**

Fixed-income securities are generally subject to two principal types of risk, as well as other risks described below: (1) interest-rate risk and (2) credit quality risk.

**Interest-rate risk.** Fixed-income securities are affected by changes in interest rates. When interest rates decline, the market value of fixed-income securities generally can be expected to rise. Conversely, when interest rates rise, the market value of fixed-income securities generally can be expected to decline. The longer the duration or maturity of a fixed-income security, the more susceptible it is to interest-rate risk. Duration is a measure of the price sensitivity of a debt security, or a fund that invests in a portfolio of debt securities, to changes in interest rates, whereas the maturity of a security measures the time until final payment is due. Duration measures sensitivity more accurately than maturity because it takes into account the time value of cash flows generated over the life of a debt security. Recent and potential future changes in government monetary policy may affect interest rates.

Beginning in March 2022, the Federal Reserve Board (Fed) began increasing interest rates and has signaled the potential for further increases. It is difficult to accurately predict the pace at which the Fed will increase interest rates any further, or the timing, frequency or magnitude of any such increases, and the evaluation of macro-economic and other conditions could cause a change in approach in the future. Any such increases generally will cause market interest rates to rise and could cause the value of a fund's investments, and the fund's net asset value (NAV), to decline, potentially suddenly and significantly. As a result, the fund may experience high redemptions and, as a result, increased portfolio turnover, which could increase the costs that the fund incurs and may negatively impact the fund's performance.

In response to certain economic disruptions, governmental authorities and regulators typically respond with significant fiscal and

monetary policy changes, including considerably lowering interest rates, which, in some cases could result in negative interest rates. These actions, including their reversal or potential ineffectiveness, could further increase volatility in securities and other financial markets and reduce market liquidity. To the extent the fund has a bank deposit or holds a debt instrument with a negative interest rate to maturity, the fund would generate a negative return on that investment. Similarly, negative rates on investments by money market funds and similar cash management products could lead to losses on investments, including on investments of the fund's uninvested cash.

**Credit quality risk.** Fixed-income securities are subject to the risk that the issuer of the security will not repay all or a portion of the principal borrowed and will not make all interest payments. If the credit quality of a fixed-income security deteriorates after a fund has purchased the security, the market value of the security may decrease and lead to a decrease in the value of the fund's investments. An issuer's credit quality could deteriorate as a result of poor management decisions, competitive pressures, technological obsolescence, undue reliance on suppliers, labor issues, shortages, corporate restructurings, fraudulent disclosures, or other factors. Funds that may invest in lower-rated fixed-income securities, commonly referred to as junk securities, are riskier than funds that may invest in higher-rated fixed-income securities.

**Investment-grade fixed-income securities in the lowest rating category risk.** Investment-grade fixed-income securities in the lowest rating category (such as Baa by Moody's Investors Service, Inc. or BBB by S&P Global Ratings or Fitch Ratings, as applicable, and comparable unrated securities) involve a higher degree of risk than fixed-income securities in the higher rating categories. While such securities are considered investment-grade quality and are deemed to have adequate capacity for payment of principal and interest, such securities lack outstanding investment characteristics and have speculative characteristics as well. For example, changes in economic conditions or other circumstances are more likely to lead to a weakened capacity to make principal and interest payments than is the case with higher-grade securities.

**Prepayment of principal risk.** Many types of debt securities, including floating-rate loans, are subject to prepayment risk. Prepayment risk is the risk that, when interest rates fall, certain types of obligations will be paid off by the borrower more quickly than originally anticipated and the fund may have to invest the proceeds in securities with lower yields. Securities subject to prepayment risk can offer less potential for gains when the credit quality of the issuer improves.

### **Foreign securities risk**

Funds that invest in securities traded principally in securities markets outside the United States are subject to additional and more varied risks, as the value of foreign securities may change more rapidly and extremely than the value of U.S. securities. Less information may be publicly available regarding foreign issuers, including foreign government issuers. Foreign securities may be subject to foreign taxes and may be more volatile than U.S. securities. Currency fluctuations and political and economic developments may adversely impact the value of foreign securities. The securities markets of many foreign countries are relatively

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small, with a limited number of companies representing a small number of industries. Additionally, issuers of foreign securities may not be subject to the same degree of regulation as U.S. issuers. Reporting, accounting, and auditing standards of foreign countries differ, in some cases significantly, from U.S. standards. There are generally higher commission rates on foreign portfolio transactions, transfer taxes, higher custodial costs, and the possibility that foreign taxes will be charged on dividends and interest payable on foreign securities, some or all of which may not be reclaimable. Also, adverse changes in investment or exchange control regulations (which may include suspension of the ability to transfer currency or assets from a country); political changes; or diplomatic developments could adversely affect a fund's investments. In the event of nationalization, expropriation, confiscatory taxation, or other confiscation, the fund could lose a substantial portion of, or its entire investment in, a foreign security. Some of the foreign securities risks are also applicable to funds that invest a material portion of their assets in securities of foreign issuers traded in the United States.

**Currency risk.** Currency risk is the risk that fluctuations in exchange rates may adversely affect the U.S. dollar value of a fund's investments. Currency risk includes both the risk that currencies in which a fund's investments are traded, or currencies in which a fund has taken an active investment position, will decline in value relative to the U.S. dollar and, in the case of hedging positions, that the U.S. dollar will decline in value relative to the currency being hedged. Currency rates in foreign countries may fluctuate significantly for a number of reasons, including the forces of supply and demand in the foreign exchange markets, actual or perceived changes in interest rates, intervention (or the failure to intervene) by U.S. or foreign governments or central banks, or currency controls or political developments in the United States or abroad. Certain funds may engage in proxy hedging of currencies by entering into derivative transactions with respect to a currency whose value is expected to correlate to the value of a currency the fund owns or wants to own. This presents the risk that the two currencies may not move in relation to one another as expected. In that case, the fund could lose money on its investment and also lose money on the position designed to act as a proxy hedge. Certain funds may also take active currency positions and may cross-hedge currency exposure represented by their securities into another foreign currency. This may result in a fund's currency exposure being substantially different than that suggested by its securities investments. All funds with foreign currency holdings and/or that invest or trade in securities denominated in foreign currencies or related derivative instruments may be adversely affected by changes in foreign currency exchange rates. Derivative foreign currency transactions (such as futures, forwards, and swaps) may also involve leveraging risk, in addition to currency risk. Leverage may disproportionately increase a fund's portfolio losses and reduce opportunities for gain when interest rates, stock prices, or currency rates are changing.

**Emerging-market risk.** Investments in the securities of issuers based in countries with emerging-market economies are subject to greater levels of risk and uncertainty than investments in more-developed foreign markets, since emerging-market securities may present market, credit, currency, liquidity, legal, political, and other risks greater than, or in addition to, the risks of investing in

developed foreign countries. These risks include high currency exchange-rate fluctuations; increased risk of default (including both government and private issuers); greater social, economic, and political uncertainty and instability (including the risk of war); more substantial governmental involvement in the economy; less governmental supervision and regulation of the securities markets and participants in those markets; controls on foreign investment and limitations on repatriation of invested capital and on a fund's ability to exchange local currencies for U.S. dollars; unavailability of currency hedging techniques in certain emerging-market countries; the fact that companies in emerging-market countries may be newly organized, smaller, and less seasoned; the difference in, or lack of, auditing and financial reporting requirements or standards, which may result in the unavailability of material information about issuers; different clearance and settlement procedures, which may be unable to keep pace with the volume of securities transactions or otherwise make it difficult to engage in such transactions; difficulties in obtaining and/or enforcing legal judgments against non-U.S. companies and non-U.S. persons, including company directors and officers, in foreign jurisdictions; and significantly smaller market capitalizations of emerging-market issuers. In addition, shareholders of emerging market issuers, such as the fund, often have limited rights and few practical remedies in emerging markets. Finally, the risks associated with investments in emerging markets often are significant, and vary from jurisdiction to jurisdiction and company to company.

### **Hedging, derivatives, and other strategic transactions risk**

The ability of a fund to utilize hedging, derivatives, and other strategic transactions to benefit the fund will depend in part on its manager's ability to predict pertinent market movements and market risk, counterparty risk, credit risk, interest-rate risk, and other risk factors, none of which can be assured. The skills required to utilize hedging and other strategic transactions are different from those needed to select a fund's securities. Even if the manager only uses hedging and other strategic transactions in a fund primarily for hedging purposes or to gain exposure to a particular securities market, if the transaction does not have the desired outcome, it could result in a significant loss to a fund. The amount of loss could be more than the principal amount invested. These transactions may also increase the volatility of a fund and may involve a small investment of cash relative to the magnitude of the risks assumed, thereby magnifying the impact of any resulting gain or loss. For example, the potential loss from the use of futures can exceed a fund's initial investment in such contracts. In addition, these transactions could result in a loss to a fund if the counterparty to the transaction does not perform as promised.

A fund may invest in derivatives, which are financial contracts with a value that depends on, or is derived from, the value of underlying assets, reference rates, or indexes. Derivatives may relate to stocks, bonds, interest rates, currencies or currency exchange rates, and related indexes. A fund may use derivatives for many purposes, including for hedging and as a substitute for direct investment in securities or other assets. Derivatives may be used in a way to efficiently adjust the exposure of a fund to various securities, markets, and currencies without a fund actually having to sell existing investments and make new

## Fund details

investments. This generally will be done when the adjustment is expected to be relatively temporary or in anticipation of effecting the sale of fund assets and making new investments over time. Further, since many derivatives have a leverage component, adverse changes in the value or level of the underlying asset, reference rate, or index can result in a loss substantially greater than the amount invested in the derivative itself. Certain derivatives have the potential for unlimited loss, regardless of the size of the initial investment. When a fund uses derivatives for leverage, investments in that fund will tend to be more volatile, resulting in larger gains or losses in response to market changes. To limit risks associated with leverage, a fund is required to comply with Rule 18f-4 under the Investment Company Act of 1940, as amended (the Derivatives Rule) as outlined below. For a description of the various derivative instruments the fund may utilize, refer to the SAI.

The regulation of the U.S. and non-U.S. derivatives markets has undergone substantial change in recent years and such change may continue. In particular, the Dodd-Frank Wall Street Reform and Consumer Protection Act, and regulations promulgated or proposed thereunder require many derivatives to be cleared and traded on an exchange, expand entity registration requirements, impose business conduct requirements on dealers that enter into swaps with a pension plan, endowment, retirement plan or government entity, and required banks to move some derivatives trading units to a non-guaranteed affiliate separate from the deposit-taking bank or divest them altogether. Although the Commodity Futures Trading Commission (CFTC) has released final rules relating to clearing, reporting, recordkeeping and registration requirements under the legislation, many of the provisions are subject to further final rule making, and thus its ultimate impact remains unclear. New regulations could, among other things, restrict a fund's ability to engage in derivatives transactions (for example, by making certain types of derivatives transactions no longer available to the fund) and/or increase the costs of such derivatives transactions (for example, by increasing margin or capital requirements), and a fund may be unable to fully execute its investment strategies as a result. Limits or restrictions applicable to the counterparties with which a fund engages in derivative transactions also could prevent the fund from using these instruments or affect the pricing or other factors relating to these instruments, or may change the availability of certain investments.

The Derivatives Rule mandates that a fund adopt and/or implement: (i) value-at-risk limitations (VaR); (ii) a written derivatives risk management program; (iii) new Board oversight responsibilities; and (iv) new reporting and recordkeeping requirements. In the event that a fund's derivative exposure is 10% or less of its net assets, excluding certain currency and interest rate hedging transactions, it can elect to be classified as a limited derivatives user (Limited Derivatives User) under the Derivatives Rule, in which case the fund is not subject to the full requirements of the Derivatives Rule. Limited Derivatives Users are exempted from VaR testing, implementing a derivatives risk management program, and certain Board oversight and reporting requirements mandated by the Derivatives Rule. However, a Limited Derivatives User is still required to implement written compliance policies and procedures reasonably designed to manage its derivatives risks.

The Derivatives Rule also provides special treatment for reverse repurchase agreements, similar financing transactions and unfunded

commitment agreements. Specifically, a fund may elect whether to treat reverse repurchase agreements and similar financing transactions as "derivatives transactions" subject to the requirements of the Derivatives Rule or as senior securities equivalent to bank borrowings for purposes of Section 18 of the Investment Company Act of 1940. In addition, when-issued or forward settling securities transactions that physically settle within 35-days are deemed not to involve a senior security.

At any time after the date of this prospectus, legislation may be enacted that could negatively affect the assets of a fund. Legislation or regulation may change the way in which a fund itself is regulated. The advisor cannot predict the effects of any new governmental regulation that may be implemented, and there can be no assurance that any new governmental regulation will not adversely affect a fund's ability to achieve its investment objectives.

The use of derivative instruments may involve risks different from, or potentially greater than, the risks associated with investing directly in securities and other, more traditional assets. In particular, the use of derivative instruments exposes a fund to the risk that the counterparty to an OTC derivatives contract will be unable or unwilling to make timely settlement payments or otherwise honor its obligations. OTC derivatives transactions typically can only be closed out with the other party to the transaction, although either party may engage in an offsetting transaction that puts that party in the same economic position as if it had closed out the transaction with the counterparty or may obtain the other party's consent to assign the transaction to a third party. If the counterparty defaults, the fund will have contractual remedies, but there is no assurance that the counterparty will meet its contractual obligations or that, in the event of default, the fund will succeed in enforcing them. For example, because the contract for each OTC derivatives transaction is individually negotiated with a specific counterparty, a fund is subject to the risk that a counterparty may interpret contractual terms (e.g., the definition of default) differently than the fund when the fund seeks to enforce its contractual rights. If that occurs, the cost and unpredictability of the legal proceedings required for the fund to enforce its contractual rights may lead it to decide not to pursue its claims against the counterparty. The fund, therefore, assumes the risk that it may be unable to obtain payments owed to it under OTC derivatives contracts or that those payments may be delayed or made only after the fund has incurred the costs of litigation. While a manager intends to monitor the creditworthiness of counterparties, there can be no assurance that a counterparty will meet its obligations, especially during unusually adverse market conditions. To the extent a fund contracts with a limited number of counterparties, the fund's risk will be concentrated and events that affect the creditworthiness of any of those counterparties may have a pronounced effect on the fund. Derivatives are also subject to a number of other risks, including market risk, liquidity risk and operational risk. Since the value of derivatives is calculated and derived from the value of other assets, instruments, or references, there is a risk that they will be improperly valued. Derivatives also involve the risk that changes in their value may not correlate perfectly with the assets, rates, or indexes they are designed to hedge or closely track. Suitable derivatives transactions may not be available in all circumstances. The fund is also subject to the risk that the counterparty closes out the derivatives transactions upon the occurrence of certain

## Fund details

triggering events. In addition, a manager may determine not to use derivatives to hedge or otherwise reduce risk exposure. Government legislation or regulation could affect the use of derivatives transactions and could limit a fund's ability to pursue its investment strategies.

A detailed discussion of various hedging and other strategic transactions appears in the SAL. To the extent that a fund utilizes the following list of certain derivatives and other strategic transactions, it will be subject to associated risks. The main risks of each appear below.

**Credit default swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, risk of default of the underlying reference obligation, and risk of disproportionate loss are the principal risks of engaging in transactions involving credit default swaps.

**Foreign currency forward contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), foreign currency risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving foreign currency forward contracts.

**Futures contracts.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving futures contracts.

**Interest-rate swaps.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), interest-rate risk, and risk of disproportionate loss are the principal risks of engaging in transactions involving interest-rate swaps.

**Options.** Counterparty risk, liquidity risk (i.e., the inability to enter into closing transactions), and risk of disproportionate loss are the principal risks of engaging in transactions involving options. Counterparty risk does not apply to exchange-traded options.

### Initial public offerings (IPOs) risk

Certain funds may invest a portion of their assets in shares of IPOs. IPOs may have a magnified impact on the performance of a fund with a small asset base. The impact of IPOs on a fund's performance will likely decrease as the fund's asset size increases, which could reduce the fund's returns. IPOs may not be consistently available to a fund for investing, particularly as the fund's asset base grows. IPO shares are frequently volatile in price due to the absence of a prior public market, the small number of shares available for trading, and limited information about the issuer. Therefore, a fund may hold IPO shares for a very short period of time. This may increase the turnover of a fund and may lead to increased expenses for a fund, such as commissions and transaction costs. In addition, IPO shares can experience an immediate drop in value if the demand for the securities does not continue to support the offering price.

### Large company risk

Larger, more established companies may be unable to respond quickly to new competitive challenges such as changes in technology and consumer tastes. Many larger companies also may not be able to attain the high growth rate of successful smaller companies, especially during extended periods of economic expansion. For purposes of the fund's investment policies, the market capitalization of a company is based on its capitalization at the time the fund purchases the company's securities.

Market capitalizations of companies change over time. The fund is not obligated to sell a company's security simply because, subsequent to its purchase, the company's market capitalization has changed to be outside the capitalization range, if any, in effect for the fund.

### Liquidity risk

The extent (if at all) to which a security may be sold or a derivative position closed without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments. Funds with principal investment strategies that involve investments in securities of companies with smaller market capitalizations, foreign securities, derivatives, or securities with substantial market and/or credit risk tend to have the greatest exposure to liquidity risk. Exposure to liquidity risk may be heightened for funds that invest in securities of emerging markets and related derivatives that are not widely traded, and that may be subject to purchase and sale restrictions.

The capacity of traditional dealers to engage in fixed-income trading has not kept pace with the bond market's growth. As a result, dealer inventories of corporate bonds, which indicate the ability to "make markets," i.e., buy or sell a security at the quoted bid and ask price, respectively, are at or near historic lows relative to market size. Because market makers provide stability to fixed-income markets, the significant reduction in dealer inventories could lead to decreased liquidity and increased volatility, which may become exacerbated during periods of economic or political stress.

### Lower-rated and high-yield fixed-income securities risk

Lower-rated fixed-income securities are defined as securities rated below investment grade (such as Ba and below by Moody's Investors Service, Inc. and BB and below by S&P Global Ratings and Fitch Ratings, as applicable) (also called junk bonds). The general risks of investing in these securities are as follows:

**Risk to principal and income.** Investing in lower-rated fixed-income securities is considered speculative. While these securities generally provide greater income potential than investments in higher-rated securities, there is a greater risk that principal and interest payments will not be made. Issuers of these securities may even go into default or become bankrupt.

**Price volatility.** The price of lower-rated fixed-income securities may be more volatile than securities in the higher-rated categories. This volatility may increase during periods of economic uncertainty or change. The price of these securities is affected more than higher-rated fixed-income securities by the market's perception of their credit quality, especially during times of adverse publicity. In the past, economic downturns or increases in interest rates have, at times, caused more defaults by issuers of these securities and may do so in the future. Economic downturns and increases in interest rates have an even greater effect on highly leveraged issuers of these securities.

**Liquidity.** The market for lower-rated fixed-income securities may have more limited trading than the market for investment-grade fixed-income securities. Therefore, it may be more difficult to sell these securities, and these securities may have to be sold at prices

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below their market value in order to meet redemption requests or to respond to changes in market conditions.

**Dependence on manager's own credit analysis.** While a manager may rely on ratings by established credit rating agencies, it will also supplement such ratings with its own independent review of the credit quality of the issuer. Therefore, the assessment of the credit risk of lower-rated fixed-income securities is more dependent on the manager's evaluation than the assessment of the credit risk of higher-rated securities.

**Additional risks regarding lower-rated corporate fixed-income securities.** Lower-rated corporate fixed-income securities (and comparable unrated securities) tend to be more sensitive to individual corporate developments and changes in economic conditions than higher-rated corporate fixed-income securities. Issuers of lower-rated corporate fixed-income securities may also be highly leveraged, increasing the risk that principal and income will not be repaid.

**Additional risks regarding lower-rated foreign government fixed-income securities.** Lower-rated foreign government fixed-income securities are subject to the risks of investing in foreign countries described under "Foreign securities risk." In addition, the ability and willingness of a foreign government to make payments on debt when due may be affected by the prevailing economic and political conditions within the country. Emerging-market countries may experience high inflation, interest rates, and unemployment, as well as exchange-rate fluctuations which adversely affect trade and political uncertainty or instability. These factors increase the risk that a foreign government will not make payments when due.

### **Mortgage-backed and asset-backed securities risk**

**Mortgage-backed securities.** Mortgage-backed securities represent participating interests in pools of residential mortgage loans, which are guaranteed by the U.S. government, its agencies, or its instrumentalities. However, the guarantee of these types of securities relates to the principal and interest payments, and not to the market value of such securities. In addition, the guarantee only relates to the mortgage-backed securities held by a fund and not the purchase of shares of the fund.

Mortgage-backed securities are issued by lenders, such as mortgage bankers, commercial banks, and savings and loan associations. Such securities differ from conventional debt securities, which provide for the periodic payment of interest in fixed amounts (usually semiannually) with principal payments at maturity or on specified dates. Mortgage-backed securities provide periodic payments which are, in effect, a pass-through of the interest and principal payments (including any prepayments) made by the individual borrowers on the pooled mortgage loans. A mortgage-backed security will mature when all the mortgages in the pool mature or are prepaid. Therefore, mortgage-backed securities do not have a fixed maturity and their expected maturities may vary when interest rates rise or fall.

When interest rates fall, homeowners are more likely to prepay their mortgage loans. An increased rate of prepayments on a fund's mortgage-backed securities will result in an unforeseen loss of interest income to the fund as the fund may be required to reinvest assets at a lower interest rate. Because prepayments increase when

interest rates fall, the prices of mortgage-backed securities do not increase as much as other fixed-income securities when interest rates fall.

When interest rates rise, homeowners are less likely to prepay their mortgage loans. A decreased rate of prepayments lengthens the expected maturity of a mortgage-backed security. Therefore, the prices of mortgage-backed securities may decrease more than prices of other fixed-income securities when interest rates rise.

The yield of mortgage-backed securities is based on the average life of the underlying pool of mortgage loans. The actual life of any particular pool may be shortened by unscheduled or early payments of principal and interest. Principal prepayments may result from the sale of the underlying property or the refinancing or foreclosure of underlying mortgages. The occurrence of prepayments is affected by a wide range of economic, demographic, and social factors and, accordingly, it is not possible to accurately predict the average life of a particular pool. The actual prepayment experience of a pool of mortgage loans may cause the yield realized by a fund to differ from the yield calculated on the basis of the average life of the pool. In addition, if a fund purchases mortgage-backed securities at a premium, the premium may be lost in the event of early prepayment, which may result in a loss to the fund.

Prepayments tend to increase during periods of falling interest rates, while during periods of rising interest rates, prepayments are likely to decline. Monthly interest payments received by a fund have a compounding effect, which will increase the yield to shareholders as compared to debt obligations that pay interest semiannually. Because of the reinvestment of prepayments of principal at current rates, mortgage-backed securities may be less effective than U.S. Treasury bonds of similar maturity at maintaining yields during periods of declining interest rates. Also, although the value of debt securities may increase as interest rates decline, the value of these pass-through types of securities may not increase as much, due to their prepayment feature.

**Collateralized mortgage obligations (CMOs).** A fund may invest in mortgage-backed securities called CMOs. CMOs are issued in separate classes with different stated maturities. As the mortgage pool experiences prepayments, the pool pays off investors in classes with shorter maturities first. By investing in CMOs, a fund may manage the prepayment risk of mortgage-backed securities. However, prepayments may cause the actual maturity of a CMO to be substantially shorter than its stated maturity.

**Asset-backed securities.** Asset-backed securities include interests in pools of debt securities, commercial or consumer loans, or other receivables. The value of these securities depends on many factors, including changes in interest rates, the availability of information concerning the pool and its structure, the credit quality of the underlying assets, the market's perception of the servicer of the pool, and any credit enhancement provided. In addition, asset-backed securities have prepayment risks similar to mortgage-backed securities.

### **Non-diversified risk**

Overall risk can be reduced by investing in securities from a diversified pool of issuers, while overall risk is increased by investing in securities of a small number of issuers. If a fund is not diversified within the meaning of the Investment Company Act of 1940, as amended, that means it is allowed to invest a large portion of assets in any one issuer or a small number of issuers, which may result in greater susceptibility to associated risks. As a result, credit, market, and other risks associated with a non-diversified fund's investment strategies or techniques may be more pronounced than for funds that are diversified.

### **Operational and cybersecurity risk**

With the increased use of technologies, such as mobile devices and "cloud"-based service offerings and the dependence on the internet and computer systems to perform necessary business functions, the fund's service providers are susceptible to operational and information or cybersecurity risks that could result in losses to the fund and its shareholders. Intentional cybersecurity breaches include unauthorized access to systems, networks, or devices (such as through "hacking" activity or "phishing"); infection from computer viruses or other malicious software code; and attacks that shut down, disable, slow, or otherwise disrupt operations, business processes, or website access or functionality. Cyber-attacks can also be carried out in a manner that does not require gaining unauthorized access, such as causing denial-of-service attacks on the service providers' systems or websites rendering them unavailable to intended users or via "ransomware" that renders the systems inoperable until appropriate actions are taken. In addition, unintentional incidents can occur, such as the inadvertent release of confidential information (possibly resulting in the violation of applicable privacy laws).

A cybersecurity breach could result in the loss or theft of customer data or funds, loss or theft of proprietary information or corporate data, physical damage to a computer or network system, or costs associated with system repairs. Such incidents could cause a fund, the advisor, a manager, or other service providers to incur regulatory penalties, reputational damage, additional compliance costs, litigation costs or financial loss. In addition, such incidents could affect issuers in which a fund invests, and thereby cause the fund's investments to lose value.

Cyber-events have the potential to materially affect the fund and the advisor's relationships with accounts, shareholders, clients, customers, employees, products, and service providers. The fund has established risk management systems reasonably designed to seek to reduce the risks associated with cyber-events. There is no guarantee that the fund will be able to prevent or mitigate the impact of any or all cyber-events.

The fund is exposed to operational risk arising from a number of factors, including, but not limited to, human error, processing and communication errors, errors of the fund's service providers, counterparties, or other third parties, failed or inadequate processes and technology or system failures.

In addition, other disruptive events, including (but not limited to) natural disasters and public health crises may adversely affect the fund's ability to conduct business, in particular if the fund's employees or the employees of its service providers are unable or unwilling to perform their responsibilities as a result of any such event. Even if the fund's employees

and the employees of its service providers are able to work remotely, those remote work arrangements could result in the fund's business operations being less efficient than under normal circumstances, could lead to delays in its processing of transactions, and could increase the risk of cyber-events.

### **Preferred and convertible securities risk**

Unlike interest on debt securities, preferred stock dividends are payable only if declared by the issuer's board. Also, preferred stock may be subject to optional or mandatory redemption provisions. The market values of convertible securities tend to fall as interest rates rise and rise as interest rates fall. The value of convertible preferred stock can depend heavily upon the value of the security into which such convertible preferred stock is converted, depending on whether the market price of the underlying security exceeds the conversion price.

### **Sector risk**

When a fund's investments are focused in one or more sectors of the economy, they are less broadly invested across industries or sectors than other funds. This means that focused funds tend to be more volatile than other funds, and the values of their investments tend to go up and down more rapidly. In addition, a fund that invests in particular sectors is particularly susceptible to the impact of market, economic, political, regulatory, and other conditions and risks affecting those sectors. From time to time, a small number of companies may represent a large portion of a single sector or a group of related sectors as a whole.

### **Small and mid-sized company risk**

Market risk and liquidity risk may be pronounced for securities of companies with medium-sized market capitalizations and are particularly pronounced for securities of companies with smaller market capitalizations. These companies may have limited product lines, markets, or financial resources, or they may depend on a few key employees. The securities of companies with medium and smaller market capitalizations may trade less frequently and in lesser volume than more widely held securities, and their value may fluctuate more sharply than those securities. They may also trade in the OTC market or on a regional exchange, or may otherwise have limited liquidity. Investments in less-seasoned companies with medium and smaller market capitalizations may present greater opportunities for growth and capital appreciation, but also involve greater risks than are customarily associated with more established companies with larger market capitalizations. These risks apply to all funds that invest in the securities of companies with smaller- or medium-sized market capitalizations. For purposes of the fund's investment policies, the market capitalization of a company is based on its capitalization at the time the fund purchases the company's securities. Market capitalizations of companies change over time. The fund is not obligated to sell a company's security simply because, subsequent to its purchase, the company's market capitalization has changed to be outside the capitalization range, if any, in effect for the fund.

### **Who's who**

The following are the names of the various entities involved with each fund's investment and business operations, along with brief descriptions of the role each entity performs.

## Fund details

### Board of Trustees

The Trustees oversee each fund's business activities and retain the services of the various firms that carry out the funds' operations.

### Investment advisor

The investment advisor manages the funds' business and investment activities.

#### **John Hancock Investment Management LLC** **200 Berkeley Street** **Boston, MA 02116**

Founded in 1968, the advisor is an indirect principally owned subsidiary of John Hancock Life Insurance Company (U.S.A.), which in turn is a subsidiary of Manulife Financial Corporation.

The advisor's parent company has been helping individuals and institutions work toward their financial goals since 1862. The advisor offers investment solutions managed by leading institutional money managers, taking a disciplined team approach to portfolio management and research, leveraging the expertise of seasoned investment professionals. As of December 31, 2023 the advisor had total assets under management of approximately \$153.7 billion.

Subject to general oversight by the Board of Trustees, the advisor manages and supervises the investment operations and business affairs of each fund. The advisor selects, contracts with and compensates one or more subadvisors to manage all or a portion of each fund's portfolio assets, subject to oversight by the advisor. In this role, the advisor has supervisory responsibility for managing the investment and reinvestment of the funds' portfolio assets through proactive oversight and monitoring of the subadvisor and the funds, as described in further detail below. The advisor is responsible for developing overall investment strategies for the funds and overseeing and implementing the funds' continuous investment programs and provides a variety of advisory oversight and investment research services. The advisor also provides management and transition services associated with certain fund events (e.g., strategy, portfolio manager, or subadvisor changes) and coordinates and oversees services provided under other agreements.

The advisor has ultimate responsibility to oversee a subadvisor and recommend to the Board of Trustees its hiring, termination, and replacement. In this capacity, the advisor, among other things: (i) monitors on a daily basis the compliance of the subadvisor with the investment objectives and related policies of each fund; (ii) monitors significant changes that may impact the subadvisor's overall business and regularly performs due diligence reviews of the subadvisor; (iii) reviews the performance of the subadvisor; and (iv) reports periodically on such performance to the Board of Trustees. The advisor employs a team of investment professionals who provide these ongoing research and monitoring services.

Each fund relies on an order from the Securities and Exchange Commission (SEC) permitting the advisor, subject to approval by the Board of Trustees, to appoint a subadvisor or change the terms of a subadvisory agreement without obtaining shareholder approval. Each fund, therefore, is able to change subadvisors or the fees paid to a subadvisor, from time to time, without the expense and delays associated with obtaining shareholder approval of the change. This order does not,

however, permit the advisor to appoint a subadvisor that is an affiliate of the advisor or the fund (other than by reason of serving as a subadvisor to the fund), or to increase the subadvisory fee of an affiliated subadvisor, without the approval of the shareholders.

### Management fee

Each fund pays the advisor a management fee for its services to the fund. The advisor in turn pays the fees of the subadvisor. The management fee has two components: (1) a fee on assets invested in a fund of John Hancock Funds II (JHF II) or John Hancock Funds III (JHF III); and (2) a fee on assets invested in investments other than a fund of JHF II or JHF III (other assets).

The fee on assets invested in a fund of JHF II or JHF III is stated as an annual percentage of the aggregate net assets of the fund (together with the assets of any other applicable fund identified in the advisory agreement), determined in accordance with the following schedule, and that rate is applied to the average daily net assets of the fund.

#### **Advisory fee on assets invested in a fund of JHF II and JHF III**

	<b>First \$7.5 billion (%)</b>	<b>Excess over \$7.5 billion (%)</b>
Each Multimanager Lifestyle Portfolio	0.050	0.040

The fee on other assets is stated as an annual percentage of the aggregate net assets of the fund (together with the assets of any other applicable fund identified in the advisory agreement), determined in accordance with the following schedule, and that rate is applied to the average daily net assets of the fund.

#### **Advisory fee on other assets**

	<b>First \$7.5 billion (%)</b>	<b>Excess over \$7.5 billion (%)</b>
Each Multimanager Lifestyle Portfolio	0.500	0.490

During their most recent fiscal period, the funds paid the advisor the following management fees as a percentage of average daily net assets (including any waivers or reimbursements), as follows:

Multimanager Lifestyle Growth Portfolio: 0.10%

Multimanager Lifestyle Balanced Portfolio: 0.12%

Multimanager Lifestyle Moderate Portfolio: 0.13%

The basis for the Board of Trustees' approval of the advisory fees, and of the investment advisory agreement overall, including the subadvisory agreement, is discussed in the fund's most recent semiannual shareholder report for the period ended June 30.

The subadvisor will benefit from increased subadvisory fees when assets are allocated to affiliated subadvised funds that it manages. In addition, Manulife Financial Corporation, as the parent company of the subadvisor and all affiliated investment advisors, will benefit through increased revenue generated from the fees on assets managed by the affiliated subadvisor. Accordingly, there is a conflict of interest in that there is an incentive for the subadvisor to allocate fund assets to funds subadvised by the subadvisor and other affiliated subadvised funds. However, the subadvisor has a duty to allocate assets to an affiliated subadvised fund



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(and to affiliated underlying funds more broadly) only when the subadvisor believes it is in the best interests of fund shareholders, without regard to any economic incentive. As part of its oversight of the funds and the subadvisor, the advisor will monitor to ensure that allocations and the subadvisor's compensation practices are conducted in accordance with these principles. This conflict of interest is also considered by the Independent Trustees when approving or replacing affiliated subadvisors.

### **Additional information about fund expenses**

Each fund's annual operating expenses will likely vary throughout the period and from year to year. Each fund's expenses for the current fiscal year may be higher than the expenses listed in the fund's "Annual fund operating expenses" table, for some of the following reasons: (i) a significant decrease in average net assets may result in a higher advisory fee rate if any advisory fee breakpoints are not achieved; (ii) a significant decrease in average net assets may result in an increase in the expense ratio because certain fund expenses do not decrease as asset levels decrease; or (iii) fees may be incurred for extraordinary events such as fund tax expenses.

The advisor contractually agrees to reduce its management fee and/or make payment to each fund in an amount equal to the amount by which other expenses of a fund exceed 0.05% of the average annual net assets (on an annualized basis) of the fund. For purposes of this agreement, other expenses means all fund expenses, excluding: (a) advisory fees, (b) taxes, (c) brokerage commissions, (d) interest expense, (e) litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the fund's business, (f) class-specific expenses, (g) underlying fund expenses (acquired fund fees), and (h) short dividend expense. This agreement expires on April 30, 2025, unless renewed by mutual agreement of the fund and the advisor based upon a determination that this is appropriate under the circumstances at that time.

The advisor voluntarily agrees to waive its advisory fee for each fund so that the aggregate advisory fee retained by the advisor with respect to both the fund and its underlying investments (after payment of subadvisory fees) does not exceed 0.50% of the fund's first \$7.5 billion of average net assets and 0.49% of the fund's average net assets in excess of \$7.5 billion. The advisor may terminate this voluntary waiver at any time upon notice to the fund.

### **Subadvisor**

The subadvisor handles the funds' portfolio management activities, subject to oversight by the advisor.

### **Manulife Investment Management (US) LLC 197 Clarendon Street Boston, MA 02116**

Manulife Investment Management (US) LLC (Manulife IM (US)) provides investment advisory services to individual and institutional investors. Manulife IM (US) is a wholly owned subsidiary of John Hancock Life Insurance Company (U.S.A.) (a subsidiary of Manulife Financial Corporation) and, as of December 31, 2023, had total assets under management of approximately \$200.03 billion.

The following are brief biographical profiles of the leaders of the subadvisor's investment management team, in alphabetical order. These managers are jointly and primarily responsible for the day-to-day management of each fund's portfolio. These managers are employed by Manulife IM (US). For more details about these individuals, including information about their compensation, other accounts they manage, and any investments they may have in the funds, see the SAI.

### **Geoffrey Kelley, CFA**

- Senior Portfolio Manager, Global Head of Strategic Asset Allocation and Systematic Equity
- Managed each fund since 2023
- Joined Manulife IM (US) in 2018
- Began business career in 1995

### **David Kobuszewski, CFA**

- Portfolio Manager
- Managed each fund since 2023
- Joined Manulife IM (US) in 2018
- Began business career in 2000

### **Robert E. Sykes, CFA**

- Senior Portfolio Manager and Head of Asset Allocation
- Managed each fund since 2018
- Joined Manulife IM (US) in 2008
- Began business career in 2001

### **Nathan W. Thoof, CFA**

- Chief Investment Officer, Senior Portfolio Manager
- Managed each fund since 2013
- Joined Manulife IM (US) in 2008
- Began business career in 2000

### **Custodian**

The custodian holds the funds' assets, settles all portfolio trades, and collects most of the valuation data required for calculating each fund's net asset value.

### **State Street Bank and Trust Company One Congress Street, Suite 1 Boston, MA 02114**

### **Principal distributor**

The principal distributor markets the funds and distributes shares through selling brokers, financial planners, and other financial professionals.

### **John Hancock Investment Management Distributors LLC 200 Berkeley Street Boston, MA 02116**

### **Additional information**

Each fund has entered into contractual arrangements with various parties that provide services to the fund, which may include, among others, the advisor, subadvisor, custodian, principal distributor, and

## Fund details

transfer agent, as described above and in the SAI. Fund shareholders are not parties to, or intended or “third-party” beneficiaries of, any of these contractual arrangements. These contractual arrangements are not intended to, nor do they, create in any individual shareholder or group of shareholders any right, either directly or on behalf of the fund, to either: (a) enforce such contracts against the service providers; or (b) seek any remedy under such contracts against the service providers.

This prospectus provides information concerning the funds that you should consider in determining whether to purchase shares of the funds. Each of this prospectus, the SAI, or any contract that is an exhibit to the funds' registration statement, is not intended to, nor does it, give rise to an agreement or contract between the funds and any investor. Each such document also does not give rise to any contract or create rights in any individual shareholder, group of shareholders, or other person. The foregoing disclosure should not be read to suggest any waiver of any rights conferred by federal or state securities laws.

## Fund details

### Financial highlights

These tables detail the financial performance of Class 5 shares, including total return information showing how much an investment in the fund has increased or decreased for the periods shown below (assuming reinvestment of all dividends and distributions). Certain information reflects financial results for a single fund share.

The financial statements of the funds as of December 31, 2023, have been audited by PricewaterhouseCoopers LLP (PwC), the funds' independent registered public accounting firm. The report of PwC, along with the funds' financial statements in each fund's annual report for the fiscal period ended December 31, 2023, has been incorporated by reference into the SAI. Copies of each fund's most recent annual report are available upon request.

#### Multimanager Lifestyle Growth Portfolio

##### Per share operating performance for a share outstanding throughout each period

##### Ratios and supplemental data

Period ended	Income (loss) from investment operations			Less distributions				Ratios and supplemental data						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3,4</sup>	Expenses before reductions (%) <sup>5</sup>	Expenses including reductions (%) <sup>5</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)
<b>Class 5</b>														
12-31-2023	11.74	0.25	1.66	1.91	(0.26)	(0.54)	(0.80)	12.85	16.29	0.27	0.13	1.99	373	11
12-31-2022	16.30	0.23	(3.07)	(2.84)	(0.24)	(1.48)	(1.72)	11.74	(17.31)	0.26	0.12	1.66	338	12
12-31-2021	15.79	0.25	2.02	2.27	(0.26)	(1.50)	(1.76)	16.30	14.37	0.22	0.10	1.43	416	24
12-31-2020	14.28	0.20	2.32	2.52	(0.20)	(0.81)	(1.01)	15.79	17.70	0.21	0.10	1.40	373	13
12-31-2019	13.13	0.27	2.67	2.94	(0.27)	(1.52)	(1.79)	14.28	22.36	0.20	0.10	1.81	335	29

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Does not reflect the effect of sales charges, if any.
5. Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

#### Multimanager Lifestyle Balanced Portfolio

##### Per share operating performance for a share outstanding throughout each period

##### Ratios and supplemental data

Period ended	Income (loss) from investment operations			Less distributions				Ratios and supplemental data						
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3,4</sup>	Expenses before reductions (%) <sup>5</sup>	Expenses including reductions (%) <sup>5</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)
<b>Class 5</b>														
12-31-2023	11.54	0.32	1.28	1.60	(0.33)	(0.33)	(0.66)	12.48	13.92	0.28	0.16	2.62	157	14
12-31-2022	15.44	0.32	(2.79)	(2.47)	(0.33)	(1.10)	(1.43)	11.54	(15.97)	0.27	0.15	2.34	147	13
12-31-2021	15.32	0.31	1.45	1.76	(0.32)	(1.32)	(1.64)	15.44	11.55	0.23	0.12	1.88	185	30
12-31-2020	14.10	0.24	1.90	2.14	(0.24)	(0.68)	(0.92)	15.32	15.39	0.21	0.11	1.68	170	15
12-31-2019	12.97	0.30	2.17	2.47	(0.31)	(1.03)	(1.34)	14.10	19.10	0.21	0.11	2.12	160	33

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Does not reflect the effect of sales charges, if any.
5. Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Fund details

### Multimanager Lifestyle Moderate Portfolio

#### Per share operating performance for a share outstanding throughout each period

#### Ratios and supplemental data

Period ended	Income (loss) from investment operations								Less distributions							Ratios and supplemental data				
	Net asset value, beginning of period (\$)	Net investment income (loss) (\$) <sup>1,2</sup>	Net realized and unrealized gain (loss) on investments (\$)	Total from investment operations (\$)	From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)	Net asset value, end of period (\$)	Total return (%) <sup>3,4</sup>	Expenses before reductions (%) <sup>5</sup>	Expenses including reductions (%) <sup>5</sup>	Net investment income (loss) (%) <sup>2</sup>	Net assets, end of period (in millions)	Portfolio turnover (%)						
<b>Class 5</b>																				
12-31-2023	10.98	0.38	0.87	1.25	(0.39)	(0.17)	(0.56)	11.67	11.49	0.28	0.18	3.31	55	14						
12-31-2022	13.92	0.37	(2.28)	(1.91)	(0.38)	(0.65)	(1.03)	10.98	(13.68)	0.26	0.16	3.01	55	14						
12-31-2021	14.04	0.34	0.76	1.10	(0.34)	(0.88)	(1.22)	13.92	7.90	0.23	0.15	2.33	70	31						
12-31-2020	13.18	0.26	1.34	1.60	(0.27)	(0.47)	(0.74)	14.04	12.32	0.22	0.14	1.98	65	15						
12-31-2019	12.21	0.33	1.57	1.90	(0.35)	(0.58)	(0.93)	13.18	15.59	0.21	0.14	2.47	60	37						

1. Based on average daily shares outstanding.
2. Net investment income is affected by the timing and frequency of the declaration of dividends by the underlying funds in which the portfolio invests.
3. Total returns would have been lower had certain expenses not been reduced during the applicable periods.
4. Does not reflect the effect of sales charges, if any.
5. Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

## Fund details

### Underlying fund information

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The funds invest primarily in underlying funds. Therefore, each fund's investment performance is directly related to the investment performance of the underlying funds. Information regarding the underlying funds is available in the applicable underlying fund's prospectus and SAI. This prospectus is not an offer for any of the underlying funds. For copies of the prospectuses of the John Hancock underlying funds, which contain this and other information, visit our website at [jhinvestments.com](http://jhinvestments.com).

As of December 31, 2023, the funds allocated assets to the underlying funds stated below.

### Multimanager Lifestyle Growth Portfolio

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#### Underlying fund

Blue Chip Growth Fund  
Bond Fund  
Capital Appreciation Fund  
Capital Appreciation Value Fund  
Disciplined Value Fund  
Disciplined Value International Fund  
Diversified Macro Fund  
Diversified Real Assets Fund  
Emerging Markets Debt Fund  
Emerging Markets Equity Fund  
Equity Income Fund  
Financial Industries Fund  
Floating Rate Income Fund  
Fundamental Global Franchise Fund  
Fundamental Large Cap Core Fund  
Global Equity Fund  
Global Thematic Opportunities Fund  
Health Sciences Fund  
High Yield Fund  
International Dynamic Growth Fund  
International Growth Fund  
International Small Company Fund  
International Strategic Equity Allocation Fund  
Mid Value Fund  
Science & Technology Fund  
Short Duration Bond Fund  
Small Cap Core Fund  
Small Cap Dynamic Growth Fund  
Small Cap Value Fund  
Strategic Income Opportunities Fund  
U.S. Sector Rotation Fund

#### Subadvisor or Provider

T. Rowe Price Associates  
Manulife Investment Management (US) LLC  
Jennison Associates LLC  
T. Rowe Price Associates  
Boston Partners Global Investors, Inc.  
Boston Partners Global Investors, Inc.  
Graham Capital Management, L.P.  
Manulife Investment Management (North America) Limited; Wellington Management Company, LLP  
Manulife Investment Management (US) LLC  
Manulife Investment Management (US) LLC  
T. Rowe Price Associates  
Manulife Investment Management (US) LLC  
Bain Capital Credit, LP  
Manulife Investment Management (US) LLC  
Manulife Investment Management (US) LLC  
Manulife Investment Management (US) LLC  
Pictet Asset Management SA  
T. Rowe Price Associates  
Manulife Investment Management (US) LLC  
Axiom International Investors LLC  
Wellington Management Company, LLP  
Dimensional Fund Advisors LP  
Manulife Investment Management (US) LLC  
T. Rowe Price Associates  
T. Rowe Price Associates  
Manulife Investment Management (US) LLC  
Manulife Investment Management (US) LLC  
Axiom International Investors LLC  
Wellington Management Company, LLP  
Manulife Investment Management (US) LLC  
Manulife Investment Management (US) LLC

#### Underlying ETFs

Multifactor Emerging Markets ETF

#### Provider

Dimensional Fund Advisors LP

## Multimanager Lifestyle Balanced Portfolio

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### Underlying fund

Blue Chip Growth Fund  
 Bond Fund  
 Capital Appreciation Fund  
 Capital Appreciation Value Fund  
 Core Bond Fund  
 Disciplined Value Fund  
 Disciplined Value International Fund  
 Diversified Macro Fund  
 Diversified Real Assets Fund  
 Emerging Markets Debt Fund  
 Emerging Markets Equity Fund  
 Equity Income Fund  
 Financial Industries Fund  
 Floating Rate Income Fund  
 Fundamental Global Franchise Fund  
 Fundamental Large Cap Core Fund  
 Global Equity Fund  
 Global Shareholder Yield Fund  
 Global Thematic Opportunities Fund  
 Health Sciences Fund  
 High Yield Fund  
 International Dynamic Growth Fund  
 International Growth Fund  
 International Small Company Fund  
 International Strategic Equity Allocation Fund  
 Mid Value Fund  
 Multi-Asset High Income Fund  
 Science & Technology Fund  
 Short Duration Bond Fund  
 Small Cap Core Fund  
 Small Cap Dynamic Growth Fund  
 Small Cap Value Fund  
 Strategic Income Opportunities Fund  
 U.S. Sector Rotation Fund

### Subadvisor or Provider

T. Rowe Price Associates  
 Manulife Investment Management (US) LLC  
 Jennison Associates LLC  
 T. Rowe Price Associates  
 Wells Capital Management, Inc.  
 Boston Partners Global Investors, Inc.  
 Boston Partners Global Investors, Inc.  
 Graham Capital Management, L.P.  
 Manulife Investment Management (North America) Limited; Wellington Management Company, LLP  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 T. Rowe Price Associates  
 Manulife Investment Management (US) LLC  
 Bain Capital Credit, LP  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 Epoch Investment Partners, Inc.  
 Pictet Asset Management SA  
 T. Rowe Price Associates  
 Manulife Investment Management (US) LLC  
 Axiom International Investors LLC  
 Wellington Management Company, LLP  
 Dimensional Fund Advisors LP  
 Manulife Investment Management (US) LLC  
 T. Rowe Price Associates  
 Manulife Investment Management (US) LLC  
 T. Rowe Price Associates  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 Axiom International Investors LLC  
 Wellington Management Company, LLP  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC

### Underlying ETFs

Multifactor Emerging Markets ETF

### Provider

Dimensional Fund Advisors LP

## Multimanager Lifestyle Moderate Portfolio

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### Underlying fund

Blue Chip Growth Fund  
 Bond Fund  
 Capital Appreciation Fund  
 Capital Appreciation Value Fund  
 Core Bond Fund  
 Disciplined Value Fund  
 Disciplined Value International Fund  
 Diversified Macro Fund  
 Diversified Real Assets Fund  
 Emerging Markets Debt Fund  
 Emerging Markets Equity Fund  
 Equity Income Fund  
 Floating Rate Income Fund  
 Fundamental Global Franchise Fund  
 Fundamental Large Cap Core Fund  
 Global Equity Fund  
 Global Shareholder Yield Fund  
 High Yield Fund  
 Infrastructure Fund  
 International Growth Fund  
 International Small Company Fund  
 International Strategic Equity Allocation Fund  
 Mid Value Fund  
 Multi-Asset High Income Fund  
 Short Duration Bond Fund  
 Small Cap Core Fund  
 Small Cap Dynamic Growth Fund  
 Small Cap Value Fund  
 Strategic Income Opportunities Fund  
 U.S. Sector Rotation Fund

### Subadvisor or Provider

T. Rowe Price Associates  
 Manulife Investment Management (US) LLC  
 Jennison Associates LLC  
 T. Rowe Price Associates  
 Wells Capital Management, Inc.  
 Boston Partners Global Investors, Inc.  
 Boston Partners Global Investors, Inc.  
 Graham Capital Management, L.P.  
 Manulife Investment Management (North America) Limited; Wellington Management Company, LLP  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 T. Rowe Price Associates  
 Bain Capital Credit, LP  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 Epoch Investment Partners, Inc.  
 Manulife Investment Management (US) LLC  
 Wellington Management Company, LLP  
 Wellington Management Company, LLP  
 Dimensional Fund Advisors LP  
 Manulife Investment Management (US) LLC  
 T. Rowe Price Associates  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC  
 Axiom International Investors LLC  
 Wellington Management Company, LLP  
 Manulife Investment Management (US) LLC  
 Manulife Investment Management (US) LLC

### Underlying ETFs

Multifactor Emerging Markets ETF

### Provider

Dimensional Fund Advisors LP

# Your account

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*Unless otherwise noted, in this section, references to a single fund apply equally to all of the funds.*

## **Who can buy shares**

Class 5 shares are available only to the John Hancock Freedom 529 Plan, a qualified tuition program under Section 529 of the Internal Revenue Code of 1986, as amended (a 529 Plan), distributed by John Hancock Distributors, LLC (the distributor) through other broker-dealers that have a selling agreement with the distributor.

## **Class cost structure**

Class 5 shares are sold without imposition of any initial sales charge, contingent sales charge, service fee or distribution fee.

The performance and expenses information included in this prospectus does not reflect fees and expenses of any plan that may use the fund as its underlying investment option. If such fees and expenses had been reflected, performance would be lower.

*Other share classes of the fund, which have their own expense structure, may be offered in separate prospectuses.*

Certain funds are designed so that they can qualify as qualified default investment alternatives (QDIAs) within the meaning of the regulations promulgated by the U.S. Department of Labor for accounts held by retirement plans subject to ERISA. Your retirement plan fiduciary, and not the funds or their investment advisor, is responsible for determining whether a fund qualifies as a QDIA.

## **Additional payments to financial intermediaries**

These additional payments are sometimes referred to as revenue sharing. These payments assist in the distributor's efforts to promote the sale of the fund's shares. The distributor agrees with the firm on the methods for calculating any additional compensation, which may include the level of sales or assets attributable to the firm. Not all firms receive additional compensation, and the amount of compensation varies. These payments could be significant to a firm. The distributor determines which firms to support and the extent of the payments it is willing to make. The distributor generally chooses to compensate firms that have a strong capability to distribute shares of the fund and that are willing to cooperate with the distributor's promotional efforts.

The distributor hopes to benefit from revenue sharing by increasing the fund's net assets, which, as well as benefiting the fund, would result in additional management and other fees for the advisor and its affiliates. In consideration for revenue sharing, a firm may feature the fund in its sales system or give preferential access to members of its sales force or management. In addition, the firm may agree to participate in the distributor's marketing efforts by allowing the distributor or its affiliates to participate in conferences, seminars, or other programs attended by the intermediary's sales force. Although an intermediary may seek revenue-sharing payments to offset costs incurred by the firm in servicing its clients who have invested in the fund, the intermediary may earn a profit on these payments. Revenue-sharing payments may provide your firm with an incentive to favor the fund.

The SAI discusses the distributor's revenue-sharing arrangements in more detail. Your intermediary may charge you additional fees other than

those disclosed in this prospectus. You can ask your firm about any payments it receives from the distributor or the fund, as well as about fees and/or commissions it charges.

The distributor, advisor, and their affiliates may have other relationships with your firm relating to the provisions of services to the fund, such as providing omnibus account services, transaction-processing services, or effecting portfolio transactions for the fund. If your intermediary provides these services, the advisor or the fund may compensate the intermediary for these services. In addition, your intermediary may have other compensated relationships with the advisor or its affiliates that are not related to the fund.

## **Transaction policies**

### **Valuation of shares**

The net asset value (NAV) for each class of shares of each fund is normally determined once daily as of the close of regular trading on the New York Stock Exchange (NYSE) (typically 4:00 P.M., Eastern time, on each business day that the NYSE is open). In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the NAV may be determined as of the regularly scheduled close of the NYSE pursuant to the advisor's Valuation Policies and Procedures. The time at which shares and transactions are priced and until which orders are accepted may vary to the extent permitted by the Securities and Exchange Commission and applicable regulations. On holidays or other days when the NYSE is closed, the NAV is not calculated and the funds do not transact purchase or redemption requests. Trading of securities that are primarily listed on foreign exchanges may take place on weekends and U.S. business holidays on which each fund's NAV is not calculated. Consequently, each fund's portfolio securities may trade and the NAV of the fund's shares may be significantly affected on days when a shareholder will not be able to purchase or redeem shares of the fund. The NAV for each fund is calculated based upon the NAVs of the underlying funds and other investments in which it invests. The prospectuses for the underlying funds explain the circumstances under which those underlying funds use fair-value pricing and the effects of doing so.

Each class of shares of each fund has its own NAV, which is computed by dividing the total assets, minus liabilities, allocated to each share class by the number of fund shares outstanding for that class. The current NAV of the fund is available on our website at [jhinvestments.com](http://jhinvestments.com).

### **Valuation of securities**

The Board has designated the funds' advisor as the valuation designee to perform fair value functions for each fund in accordance with the advisor's valuation policies and procedures. As valuation designee, the advisor will determine the fair value, in good faith, of securities and other assets held by each fund for which market quotations are not readily available and, among other things, will assess and manage material risks associated with fair value determinations, select, apply and test fair value methodologies, and oversee and evaluate pricing services and other valuation agents used in valuing a fund's investments. The advisor is subject to Board oversight and reports to the Board information regarding the fair valuation process and related material matters. The



## Your account

advisor carries out its responsibilities as valuation designee through its Pricing Committee.

Portfolio securities are valued by various methods that are generally described below. Portfolio securities also may be fair valued by the advisor's Pricing Committee in certain instances pursuant to procedures established by the advisor and adopted by the Board of Trustees. Equity securities are generally valued at the last sale price or, for certain markets, the official closing price as of the close of the relevant exchange. Securities not traded on a particular day are valued using last available bid prices. A security that is listed or traded on more than one exchange is typically valued at the price on the exchange where the security was acquired or most likely will be sold. In certain instances, the Pricing Committee may determine to value equity securities using prices obtained from another exchange or market if trading on the exchange or market on which prices are typically obtained did not open for trading as scheduled, or if trading closed earlier than scheduled, and trading occurred as normal on another exchange or market. Equity securities traded principally in foreign markets are typically valued using the last sale price or official closing price in the relevant exchange or market, as adjusted by an independent pricing vendor to reflect fair value as of the close of the NYSE. On any day a foreign market is closed and the NYSE is open, any foreign securities will typically be valued using the last price or official closing price obtained from the relevant exchange on the prior business day adjusted based on information provided by an independent pricing vendor to reflect fair value as of the close of the NYSE. Debt obligations are typically valued based on evaluated prices provided by an independent pricing vendor. The value of securities denominated in foreign currencies is converted into U.S. dollars at the exchange rate supplied by an independent pricing vendor. Forward foreign currency contracts are valued at the prevailing forward rates which are based on foreign currency exchange spot rates and forward points supplied by an independent pricing vendor. Exchange-traded options are valued at the mid-price of the last quoted bid and ask prices. Futures contracts whose settlement prices are determined as of the close of the NYSE are typically valued based on the settlement price, while other futures contracts are typically valued at the last traded price on the exchange on which they trade as of the close of the NYSE. Foreign equity index futures that trade in the electronic trading market subsequent to the close of regular trading may be valued at the last traded price in the electronic trading market as of the close of the NYSE, or may be fair valued based on fair value adjustment factors provided by an independent pricing vendor in order to adjust for events that may occur between the close of foreign exchanges or markets and the close of the NYSE. Swaps and unlisted options are generally valued using evaluated prices obtained from an independent pricing vendor. Shares of other open-end investment companies that are not exchange-traded funds (underlying funds) are valued based on the NAVs of such underlying funds.

Pricing vendors may use matrix pricing or valuation models that utilize certain inputs and assumptions to derive values, including transaction data, broker-dealer quotations, credit quality information, general market conditions, news, and other factors and assumptions. The fund may receive different prices when it sells odd-lot positions than it would receive for sales of institutional round lot positions. Pricing vendors generally value securities assuming orderly transactions of institutional

round lot sizes, but a fund may hold or transact in such securities in smaller, odd lot sizes.

The Pricing Committee engages in oversight activities with respect to pricing vendors, which includes, among other things, monitoring significant or unusual price fluctuations above predetermined tolerance levels from the prior day, back-testing of pricing vendor prices against actual trades, conducting periodic due diligence meetings and reviews, and periodically reviewing the inputs, assumptions and methodologies used by these vendors. Nevertheless, market quotations, official closing prices, or information furnished by a pricing vendor could be inaccurate, which could lead to a security being valued incorrectly.

If market quotations, official closing prices, or information furnished by a pricing vendor are not readily available or are otherwise deemed unreliable or not representative of the fair value of such security because of market- or issuer-specific events, a security will be valued at its fair value as determined in good faith by the Board's valuation designee, the advisor. In certain instances, therefore, the Pricing Committee may determine that a reported valuation does not reflect fair value, based on additional information available or other factors, and may accordingly determine in good faith the fair value of the assets, which may differ from the reported valuation.

Fair value pricing of securities is intended to help ensure that a fund's NAV reflects the fair market value of the fund's portfolio securities as of the close of regular trading on the NYSE (as opposed to a value that no longer reflects market value as of such close), thus limiting the opportunity for aggressive traders or market timers to purchase shares of the fund at deflated prices reflecting stale security valuations and promptly sell such shares at a gain, thereby diluting the interests of long-term shareholders. However, a security's valuation may differ depending on the method used for determining value, and no assurance can be given that fair value pricing of securities will successfully eliminate all potential opportunities for such trading gains.

The use of fair value pricing has the effect of valuing a security based upon the price the fund might reasonably expect to receive if it sold that security in an orderly transaction between market participants, but does not guarantee that the security can be sold at the fair value price. Further, because of the inherent uncertainty and subjective nature of fair valuation, a fair valuation price may differ significantly from the value that would have been used had a readily available market price for the investment existed and these differences could be material.

Regarding the fund's investment in an underlying fund that is not an ETF, which (as noted above) is valued at such underlying fund's NAV, the prospectus for such underlying fund explains the circumstances and effects of fair value pricing for that underlying fund.

### **Buy and sell prices**

When you buy shares, you pay the NAV. When you sell shares, you receive the NAV.

### **Execution of requests**

The fund is open for business when the NYSE is open, typically 9:30 A.M. to 4:00 P.M. Eastern time, Monday through Friday. A purchase or redemption order received in good order by the fund prior to the close of

## Your account

regular trading on the NYSE, on a day the fund is open for business, will be effected at that day's NAV. An order received in good order after the fund close will generally be effected at the NAV determined on the next business day. In case of emergency or other disruption resulting in the NYSE not opening for trading or the NYSE closing at a time other than the regularly scheduled close, the time until which orders are accepted may vary to the extent permitted by the Securities and Exchange Commission and applicable regulations. This may result in the fund closing for business prior to the time at which the fund's NAV is determined. In this case, orders submitted after the fund closing may receive the NAV determined on the next business day.

At times of peak activity, it may be difficult to place requests by telephone, if available for your share class. During these times, consider using EASI-Line (if available for your share class), accessing [jhinvestments.com](http://jhinvestments.com), or sending your request in writing.

The fund typically expects to mail or wire redemption proceeds between 1 and 3 business days following the receipt of the shareholder's redemption request. Processing time is not dependent on the chosen delivery method. In unusual circumstances, the fund may temporarily suspend the processing of sell requests or may postpone payment of proceeds for up to three business days or longer, as allowed by federal securities laws.

Under normal market conditions, the fund typically expects to meet redemption requests through holdings of cash or cash equivalents or through sales of portfolio securities, and may access other available liquidity facilities. In unusual or stressed market conditions, such as, for example, during a period of time in which a foreign securities exchange is closed, in addition to the methods used in normal market conditions, the fund may meet redemption requests through the use of its line of credit, interfund lending facility, redemptions in kind, or such other liquidity means or facilities as the fund may have in place from time to time.

### **Excessive trading**

The fund is intended for long-term investment purposes only and does not knowingly accept shareholders who engage in market timing or other types of excessive short-term trading. Short-term trading into and out of the fund can disrupt portfolio investment strategies and may increase fund expenses for all shareholders, including long-term shareholders who do not generate these costs.

### **Right to reject or restrict purchase and exchange orders**

Purchases and exchanges should be made primarily for investment purposes. The fund reserves the right to restrict, reject, or cancel (with respect to cancellations within one day of the order), for any reason and without any prior notice, any purchase or exchange order, including transactions representing excessive trading and transactions accepted by any shareholder's financial intermediary. For example, the fund may, in its discretion, restrict, reject, or cancel a purchase or exchange order even if the transaction is not subject to a specific limitation on exchange activity, as described below, if the fund or its agent determines that accepting the order could interfere with the efficient management of the fund's portfolio, or otherwise not be in the fund's best interest in light of unusual trading activity related to your account. In the event that the fund rejects or cancels an exchange request, neither the redemption nor the

purchase side of the exchange will be processed. If you would like the redemption request to be processed even if the purchase order is rejected, you should submit separate redemption and purchase orders rather than placing an exchange order. The fund reserves the right to delay for up to one business day, consistent with applicable law, the processing of exchange requests in the event that, in the fund's judgment, such delay would be in the fund's best interest, in which case both the redemption and purchase side of the exchange will receive the fund's NAV at the conclusion of the delay period. The fund, through its agents in their sole discretion, may impose these remedial actions at the account holder level or the underlying shareholder level.

### **Exchange limitation policies**

The Board of Trustees has adopted the following policies and procedures by which the fund, subject to the limitations described below, takes steps reasonably designed to curtail excessive trading practices.

### **Limitation on exchange activity**

The fund or its agent may reject or cancel a purchase order, suspend or terminate the exchange privilege, or terminate the ability of an investor to invest in John Hancock funds if the fund or its agent determines that a proposed transaction involves market timing or disruptive trading that it believes is likely to be detrimental to the fund. The fund or its agent cannot ensure that it will be able to identify all cases of market timing or disruptive trading, although it attempts to have adequate procedures in place to do so. The fund or its agent may also reject or cancel any purchase order (including an exchange) from an investor or group of investors for any other reason. Decisions to reject or cancel purchase orders (including exchanges) in the fund are inherently subjective and will be made in a manner believed to be in the best interest of the fund's shareholders. The fund does not have any arrangement to permit market timing or disruptive trading.

Exchanges made on the same day in the same account are aggregated for purposes of counting the number and dollar amount of exchanges made by the account holder. The exchange limits referenced above will not be imposed or may be modified under certain circumstances. For example, these exchange limits may be modified for accounts held by certain retirement plans to conform to plan exchange limits, ERISA considerations, or U.S. Department of Labor regulations. Certain automated or preestablished exchange, asset allocation, and dollar-cost-averaging programs are not subject to these exchange limits. These programs are excluded from the exchange limitation since the fund believes that they are advantageous to shareholders and do not offer an effective means for market timing or excessive trading strategies. These investment tools involve regular and predetermined purchase or redemption requests made well in advance of any knowledge of events affecting the market on the date of the purchase or redemption.

These exchange limits are subject to the fund's ability to monitor exchange activity, as discussed under "Limitation on the ability to detect and curtail excessive trading practices" below. Depending upon the composition of the fund's shareholder accounts, and in light of the limitations on the ability of the fund to detect and curtail excessive trading practices, a significant percentage of the fund's shareholders may not be subject to the exchange limitation policy described above. In applying the exchange limitation policy, the fund considers information

## Your account

available to it at the time and reserves the right to consider trading activity in a single account or multiple accounts under common ownership, control, or influence.

### **Limitation on the ability to detect and curtail excessive trading practices**

Shareholders seeking to engage in excessive trading practices sometimes deploy a variety of strategies to avoid detection and, despite the efforts of the fund to prevent excessive trading, there is no guarantee that the fund or its agent will be able to identify such shareholders or curtail their trading practices. The ability of the fund and its agent to detect and curtail excessive trading practices may also be limited by operational systems and technological limitations. Because the fund will not always be able to detect frequent trading activity, investors should not assume that the fund will be able to detect or prevent all frequent trading or other practices that disadvantage the fund. For example, the ability of the fund to monitor trades that are placed by omnibus or other nominee accounts is severely limited in those instances in which the financial intermediary, including a financial advisor, broker, retirement plan administrator, or fee-based program sponsor, maintains the records of the fund's underlying beneficial owners. Omnibus or other nominee account arrangements are common forms of holding shares of the fund, particularly among certain financial intermediaries, such as financial advisors, brokers, retirement plan administrators, or fee-based program sponsors. These arrangements often permit the financial intermediary to aggregate its clients' transactions and ownership positions and do not identify the particular underlying shareholder(s) to the fund. However, the fund will work with financial intermediaries as necessary to discourage shareholders from engaging in abusive trading practices and to impose restrictions on excessive trades. In this regard, the fund has entered into information-sharing agreements with financial intermediaries pursuant to which these intermediaries are required to provide to the fund, at the fund's request, certain information relating to their customers investing in the fund through omnibus or other nominee accounts. The fund will use this information to attempt to identify excessive trading practices. Financial intermediaries are contractually required to follow any instructions from the fund to restrict or prohibit future purchases from shareholders that are found to have engaged in excessive trading in violation of the fund's policies. The fund cannot guarantee the accuracy of the information provided to it from financial intermediaries and so cannot ensure that it will be able to detect abusive trading practices that occur through omnibus or other nominee accounts. As a consequence, the fund's ability to monitor and discourage excessive trading practices in these types of accounts may be limited.

### **Excessive trading risk**

To the extent that the fund or its agent is unable to curtail excessive trading practices in the fund, these practices may interfere with the efficient management of the fund's portfolio and may result in the fund engaging in certain activities to a greater extent than it otherwise would, such as maintaining higher cash balances, using its line of credit, and engaging in increased portfolio transactions. Increased portfolio transactions and use of the line of credit would correspondingly increase the fund's operating costs and decrease the fund's investment performance. Maintenance of higher levels of cash balances would

likewise result in lower fund investment performance during periods of rising markets.

While excessive trading can potentially occur in the fund, certain types of funds are more likely than others to be targets of excessive trading. For example:

- A fund that invests a significant portion of its assets in small- or mid-capitalization stocks or securities in particular industries that may trade infrequently or are fair valued as discussed under "Valuation of securities" entails a greater risk of excessive trading, as investors may seek to trade fund shares in an effort to benefit from their understanding of the value of those types of securities (referred to as price arbitrage).
- A fund that invests a material portion of its assets in securities of foreign issuers may be a potential target for excessive trading if investors seek to engage in price arbitrage based upon general trends in the securities markets that occur subsequent to the close of the primary market for such securities.
- A fund that invests a significant portion of its assets in below-investment-grade (junk) bonds that may trade infrequently or are fair valued as discussed under "Valuation of securities" incurs a greater risk of excessive trading, as investors may seek to trade fund shares in an effort to benefit from their understanding of the value of those types of securities (referred to as price arbitrage).

Any frequent trading strategies may interfere with efficient management of a fund's portfolio and raise costs. A fund that invests in the types of securities discussed above may be exposed to this risk to a greater degree than a fund that invests in highly liquid securities. These risks would be less significant, for example, in a fund that primarily invests in U.S. government securities, money market instruments, investment-grade corporate issuers, or large-capitalization U.S. equity securities. Any successful price arbitrage may cause dilution in the value of the fund shares held by other shareholders.

### **Account information**

The fund is required by law to obtain information for verifying an account holder's identity. For example, an individual will be required to supply his or her name, residential address, date of birth, and Social Security number. If you do not provide the required information, we may not be able to open your account. If verification is unsuccessful, the fund may close your account, redeem your shares at the next NAV, and take any other steps that it deems reasonable.

### **Certificated shares**

The fund does not issue share certificates. Shares are electronically recorded.

### **Sales in advance of purchase payments**

When you place a request to sell shares for which the purchase money has not yet been collected, the request will be executed in a timely fashion, but the fund will not release the proceeds to you until your purchase payment clears. This may take up to 10 business days after the purchase.

## Dividends and account policies

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### Account statements

In general, you will receive account statements from your plan's recordkeeper. Every year you should also receive, if applicable, a Form 1099 tax information statement mailed by February 15 by your plan's recordkeeper.

The fund will provide account statements and other account information to shareholders as provided in participation agreements with the insurance companies and in John Hancock Retirement Select agreements with qualified retirement plans.

### Dividends

Multimanager Lifestyle Balanced Portfolio and Multimanager Lifestyle Moderate Portfolio typically declare and pay income dividends quarterly. Multimanager Lifestyle Growth Portfolio typically declares and pays income dividends at least annually. Capital gains, if any, are typically distributed at least annually, typically at the end of each fund's fiscal year.

### Dividend reinvestments

Dividends from a fund will be automatically reinvested on the dividend record date.

### Taxability of dividends

529 Plans are exempt from federal income taxes, and dividends received by such a Plan from a fund, and gains recognized by such a Plan, are not subject to federal income tax. Portions of distributions from such a 529 Plan, based upon income and gain, may be subject to income tax in the hands of the distributee.

For investors who are not exempt from federal income taxes, dividends you receive from a fund, whether reinvested or taken as cash, are generally considered taxable. Dividends from a fund's short-term capital gains are taxable as ordinary income. Dividends from a fund's long-term capital gains are taxable at a lower rate. Whether gains are short-term or long-term depends on a fund's holding period. Some dividends paid in January may be taxable as if they had been paid the previous December.

The Form 1099 that is mailed to you every February, if applicable, details your dividends and their federal tax category, although you should verify your tax liability with your tax professional.

### Returns of capital

If a fund's distributions exceed its taxable income and capital gains realized during a taxable year, all or a portion of the distributions made in the same taxable year may be recharacterized as a return of capital to shareholders. A return of capital distribution will generally not be taxable, but will reduce each shareholder's cost basis in the fund and result in a higher reported capital gain or lower reported capital loss when those shares on which the distribution was received are sold.

### Taxability of transactions

Any time you sell or exchange shares, it is considered a taxable event for you if you are not exempt from federal income taxes. Depending on the purchase price and the sale price of the shares you sell or exchange, you may have a gain or a loss on the transaction. You are responsible for any tax liabilities generated by your transactions.

## Additional investor services

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### Disclosure of fund holdings

All of the holdings of each fund will be posted to the website no earlier than 15 days after each calendar month end, and will remain posted on the website for six months. All of the funds' holdings as of the end of the third month of every fiscal quarter will be disclosed on Form N-PORT within 60 days of the end of the fiscal quarter. All of the funds' holdings as of the end of the second and fourth fiscal quarters will be disclosed on Form N-CSR within 70 days of the end of such fiscal quarters. A description of each fund's policies and procedures with respect to the disclosure of its portfolio securities is available in the SAI.

# For more information

The following documents are available that offer further information on the fund:

## **Annual/semiannual reports to shareholders**

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

As of January 1, 2021, paper copies of the funds' shareholder reports are no longer sent by mail. Instead, the reports are made available on [jhinvestments.com](http://jhinvestments.com), and you will be notified and provided with a link each time a report is posted to the website. You may request to receive paper reports from a fund or from your financial intermediary, free of charge, at any time. You may also request to receive documents through eDelivery.

## **Statement of Additional Information (SAI)**

The SAI contains more detailed information on all aspects of a fund and includes a summary of a fund's policy regarding disclosure of its portfolio holdings, as well as legal and regulatory matters. A current SAI has been filed with the SEC and is incorporated by reference into (and is legally a part of) this prospectus.

## **To obtain a free copy of these documents or request other information**

There are several ways you can get a current annual/semiannual report, prospectus, or SAI from John Hancock, request other information, or make inquiries:

**Online:** [jhinvestments.com](http://jhinvestments.com)

### **By mail:**

John Hancock Funds  
200 Berkeley Street  
Boston, MA 02116

**By phone:** 800-344-1029

You can also view or obtain copies of these documents through the SEC:

**Online:** [sec.gov](http://sec.gov)

**By email (duplicating fee required):** [publicinfo@sec.gov](mailto:publicinfo@sec.gov)

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 Investment Management

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