

John Hancock USA

All financial obligations under the group annuity contract are the sole obligation of John Hancock Life Insurance Company (U.S.A.).

- ▶ John Hancock is a unit of Manulife Financial Corporation, a leading international financial services provider that helps people make their decisions easier and lives better by providing financial advice, insurance, and wealth and asset management solutions. Manulife Financial Corporation trades as MFC on the TSX, NYSE, and PSE, and under 945 on the SEHK. Manulife can be found at manulife.com.
- ▶ One of the largest life insurers in the United States, John Hancock supports more than ten million Americans with a broad range of financial products, including life insurance and annuities. John Hancock also supports US investors by bringing leading investment capabilities and retirement planning and administration expertise to individuals and institutions. Additional information about John Hancock may be found at johnhancock.com.

iShares Delaware Trust Sponsor LLC

- ▶ iShares is a part of BlackRock, the world's largest asset manager. BlackRock's 120 investment teams in 27 countries serve clients around the globe. iShares is the largest provider of ETFs in the world with over 500 funds. iShares ETFs are diversified funds that seek to provide access to specific parts of the global market, but trade like a stock.

Allocating assets to only one or a small number of the investment options (other than the Target Date 'Lifecycle' or Target Risk 'Lifestyle' options) should not be considered a balanced investment program. In particular, allocating assets to a small number of options concentrated in particular business or market sectors will subject your account to increased risk and volatility. Examples of business or market sectors where this risk may be particularly high include: a) technology-related businesses, including Internet-related businesses, b) small-cap securities and c) foreign securities. John Hancock does not provide advice regarding appropriate investment allocations.

Risks Applicable to All Funds

Merger and Replacement Transition Risk for Sub-Account. It is possible that the Fund will be replaced with or merged into another investment option offered under your plan's group annuity contract. In the case of fund mergers and replacements, the affected funds that are being merged or replaced may implement the redemption of your interest by payment in cash or by distributing assets in kind. In either case, the redemption of your interest by the affected fund, as well as the investment of the redemption proceeds by the "new" fund, may result in transaction costs to the funds because the affected funds may find it necessary to sell securities and the "new" funds will find it necessary to invest the redemption proceeds. Also, the redemption and reinvestment processes, including any transition period that may be involved in completing such mergers and replacements, could be subject to market gains or losses, including those from currency exchange rates. The transaction costs and potential market gains or losses could have an impact on the value of your investment in the affected fund and in the "new" fund, and such market gains or losses could also have an impact on the value of any existing investment that you or other investors may have in the "new" fund. Although there can be no assurances that all risks can be eliminated, the portfolio manager(s) of the affected funds will use their best efforts to manage and minimize such risks and costs.

Risk of Increase in Expenses for Sub-Account. Your actual costs of investing in the fund may be higher than the expenses shown in "Annual fund operating expenses" for a variety of reasons. For example, expense ratios may be higher than those shown if a fee limitation is changed or terminated or if average net assets decrease. Net assets are more likely to decrease and fund expense ratios are more likely to increase when markets are volatile.

Risk Disclosures: Additional Risks

Asset Class Risk for ETF. Securities and other assets in the Underlying Index or in the Fund's portfolio may underperform in comparison to the general financial markets, a particular financial market or other asset classes.

Assets Under Management (AUM) Risk for ETF. From time to time, an Authorized Participant (as defined in the Creations and Redemptions section of this prospectus (the "Prospectus")), a third party investor, the Fund's adviser or an affiliate of the Fund's adviser, or a fund may invest in the Fund and hold its investment for a specific period of time in order to facilitate commencement of the Fund's operations or to allow the Fund to achieve size or scale. There can be no assurance that any such entity would not redeem its investment or that the size of the Fund would be maintained at such levels, which could negatively impact the Fund.

Authorized Participant Concentration Risk for ETF. Only an Authorized Participant may engage in creation or redemption transactions directly with the Fund. The Fund has a limited number of institutions that may act as Authorized Participants on an agency basis (i.e., on behalf of other market participants). To the extent that Authorized Participants exit the business or are unable to proceed with creation and/or redemption orders with respect to

the Fund and no other Authorized Participant is able to step forward to create or redeem Creation Units (as defined in the Purchase and Sale of Fund Shares section of the Prospectus), Fund shares may be more likely to trade at a premium or discount to NAV and possibly face trading halts and/or delisting. Authorized Participant concentration risk may be heightened for exchange-traded funds ("ETFs"), such as the Fund, that invest in non-U.S. securities or other securities or instruments that have lower trading volumes.

Calculation Methodology Risk for ETF. The Underlying Index relies on various sources of information to assess the criteria of issuers included in the Underlying Index (or its Parent Index), including information that may be based on assumptions and estimates. Neither the Fund nor BFA can offer assurances that the Underlying Index's calculation methodology or sources of information will provide an accurate assessment of included issuers.

Concentration Risk for ETF. The Fund may be susceptible to an increased risk of loss, including losses due to adverse events that affect the Fund's investments more than the market as a whole, to the extent that the Fund's investments are concentrated in the securities of a particular issuer or issuers, country, group of countries, region, market, industry, group of industries, sector or asset class.

Consumer Staples Sector Risk for ETF. The consumer staples sector may be affected by, among other things, marketing campaigns, changes in consumer demands, government regulations and changes in commodity prices.

Currency Risk for ETF. Because the Fund's NAV is determined in U.S. dollars, the Fund's NAV could decline if the currency of a non-U.S. market in which the Fund invests depreciates against the U.S. dollar or if there are delays or limits on repatriation of such currency. Currency exchange rates can be very volatile and can change quickly and unpredictably. As a result, the Fund's NAV may change quickly and without warning.

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

Equity Securities Risk for ETF. Equity securities are subject to changes in value, and their values may be more volatile than those of other asset classes. The Underlying Index is comprised of common stocks, which generally subject their holders to more risks than holders of preferred stocks and debt securities because common stockholders' claims are subordinated to those of holders of preferred stock and debt securities upon the bankruptcy of the issuer.

Geographic Risk for ETF. A natural or manmade disaster could occur in a geographic region in which the Fund invests, which could adversely affect the economy or the business operations of companies in the specific geographic region, causing an adverse impact on the Fund's investments in the affected region.

Growth Securities Risk for ETF. The Fund invests in growth securities, which may be more volatile than other types of investments, may perform differently than the market as a whole and may underperform when compared to securities with different investment parameters. Under certain

market conditions, growth securities have performed better during the later stages of economic recovery. Therefore, growth securities may go in and out of favor over time.

Index-Related Risk for ETF. There is no guarantee that the Fund's investment results will have a high degree of correlation to those of the Underlying Index and that the Fund will therefore achieve its investment objective. Market disruptions and regulatory restrictions could have an adverse effect on the Fund's ability to adjust its exposure to the required levels in order to track the Underlying Index. Errors in index data, index computations or the construction of the Underlying Index in accordance with its methodology may occur from time to time and may not be identified and corrected by the Index Provider for a period of time or at all, which may have an adverse impact on the Fund and its shareholders.

Industrials Sector Risk for ETF. Companies in the industrials sector may be adversely affected by changes in the supply of and demand for products and services, product obsolescence, claims for environmental damage or product liability and changes in general economic conditions, among other factors.

Issuer Risk for ETF. The performance of the Fund depends on the performance of individual securities to which the Fund has exposure. Changes in the financial condition or credit rating of an issuer of those securities may cause the value of the securities to decline.

Large-Capitalization Companies Risk for ETF. Large-capitalization companies may be less able than smaller capitalization companies to adapt to changing market conditions. Large-capitalization companies may be more mature and subject to more limited growth potential compared with smaller capitalization companies. During different market cycles, the performance of large-capitalization companies has trailed the overall performance of the broader securities markets.

Management Risk for ETF. As the Fund may not fully replicate the Underlying Index, it is subject to the risk that BFA's investment strategy may not produce the intended results.

Market Trading Risk for ETF. The Fund faces numerous market trading risks, including the potential lack of an active market for Fund shares, losses from trading in secondary markets, periods of high volatility and disruptions in the creation/redemption process. ANY OF THESE FACTORS, AMONG OTHERS, MAY LEAD TO THE FUND'S SHARES TRADING AT A PREMIUM OR DISCOUNT TO NAV.

MarketRisk for ETF. The Fund could lose money over short periods due to shortterm market movements and over longer periods during more prolonged market downturns.

Mid-Capitalization Companies Risk for ETF. Compared to large-capitalization companies, mid-capitalization companies may be less stable and more susceptible to adverse developments, and their securities may be more volatile and less liquid.

National Closed Market Trading Risk for ETF. To the extent that the underlying securities held by the Fund trade on foreign exchanges that may be closed when the securities exchange on which the Fund's shares trade is open, there are likely to be deviations between the current price of such an underlying security and the last quoted price for the underlying security (i.e., the Fund's quote from the closed foreign market). These deviations could result in premiums or discounts to the Fund's NAV that may be greater than those experienced by other ETFs.

Non-U.S. Securities Risk for ETF. Investments in the securities of non-U.S. issuers are subject to the risks associated with investing in those non-U.S. markets, such as heightened risks of inflation or nationalization. The Fund

may lose money due to political, economic and geographic events affecting issuers of non-U.S. securities or non-U.S. markets. In addition, non-U.S. securities markets may trade a small number of securities and may be unable to respond effectively to increases in trading volume, potentially making prompt liquidation of holdings difficult or impossible at times. The Fund is specifically exposed to Asian Economic Risk and European Economic Risk.

Operational Risk for ETF. The Fund is exposed to operational risks 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 systems failures. The Fund and BFA seek to reduce these operational risks through controls and procedures. However, these measures do not address every possible risk and may be inadequate to address these risks.

Passive Investment Risk for ETF. The Fund is not actively managed, and BFA generally does not attempt to take defensive positions under any market conditions, including declining markets.

Reliance on Trading Partners Risk for ETF. The Fund invests in countries or regions whose economies are heavily dependent upon trading with key partners. Any reduction in this trading may have an adverse impact on the Fund's investments. Through its portfolio companies' trading partners, the Fund is specifically exposed to Asian Economic Risk, European Economic Risk and U.S. Economic Risk.

Risk of Investing in Developed Countries for ETF. The Fund's investment in developed country issuers may subject the Fund to regulatory, political, currency, security, economic and other risks associated with developed countries. Developed countries tend to represent a significant portion of the global economy and have generally experienced slower economic growth than some less developed countries. Certain developed countries have experienced security concerns, such as terrorism and strained international relations. Incidents involving a country's or region's security may cause uncertainty in its markets and may adversely affect its economy and the Fund's investments. In addition, developed countries may be adversely impacted by changes to the economic conditions of certain key trading partners, regulatory burdens, debt burdens and the price or availability of certain commodities.

Risk of Investing in Japan for ETF. The Japanese economy may be subject to considerable degrees of economic, political and social instability, which could have a negative impact on Japanese securities. Since the year 2000, Japan's economic growth rate has remained relatively low, and it may remain low in the future. In addition, Japan is subject to the risk of natural disasters, such as earthquakes, volcanic eruptions, typhoons and tsunamis, which could negatively affect the Fund. Japan's relations with its neighbors have at times been strained, and strained relations may cause uncertainty in the Japanese markets and adversely affect the overall Japanese economy.

Securities Lending Risk for ETF. The Fund may engage in securities lending. Securities lending involves the risk that the Fund may lose money because the borrower of the loaned securities fails to return the securities in a timely manner or at all. The Fund could also lose money in the event of a decline in the value of collateral provided for loaned securities or a decline in the value of any investments made with cash collateral. These events could also trigger adverse tax consequences for the Fund.

Structural Risk for ETF. The countries in which the Fund invests may be subject to considerable degrees of economic, political and social instability.

Tracking Error Risk for ETF. Tracking error is the divergence of a fund's performance from that of the applicable underlying index. Tracking error may

occur because of differences between the securities and other instruments held in a fund's portfolio and those included in the applicable underlying index, pricing differences (including, as applicable, differences between a security's price at the local market close and the fund's valuation of a security at the time of calculation of the fund's NAV), differences in transaction costs, the fund's holding of uninvested cash, differences in timing of the accrual of or the valuation of dividends or interest, tax gains or losses, changes to the applicable underlying index or the costs to the fund of complying with various

new or existing regulatory requirements. This risk may be heightened during times of increased market volatility or other unusual market conditions. Tracking error also may result because a fund incurs fees and expenses, while the applicable underlying index does not.

Valuation Risk for ETF. The sale price the Fund could receive for a security or other asset may differ from the Fund's valuation of the security or other asset and from the value used by the Underlying Index, particularly for securities or other assets that trade in low volume or volatile markets or that are valued using a fair value methodology as a result of trade suspensions or for other reasons. In addition, the value of the securities or other assets in the Fund's portfolio may change on days or during time periods when shareholders will not be able to purchase or sell the Fund's shares. Authorized Participants who purchase or redeem Fund shares on days when the Fund is holding fair-valued securities may receive fewer or more shares or lower or higher redemption proceeds than they would have received had the Fund not fair-valued securities or used a different valuation methodology. The Fund's ability to value investments may be impacted by technological issues and/or errors by pricing services or other third-party service providers.

Sub-Account Details

Risk/Return Category^{1A}

Growth

Low  High

Asset Class/Investment Style^{5A}

International/Global Equity



Value Blend **Growth**

Performance^{**}

Returns (as of 3-31-25)

	Fund	Index	Peer Group
1 year	-2.30%	-2.63%	1.27%
3 year	2.64%	2.35%	2.65%
5 year	8.45%	8.54%	9.09%
10 year	5.18%	5.46%	5.53%

Expense Ratio (as of 3-31-25)^{****}

Expense Ratio ^{****}	0.42%
Cost Per \$1,000	\$4.20

Sub-Account Inception Date: November 8, 2013
Underlying fund Inception Date: August 01, 2005

¥See important notes.

****The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the sub-account's underlying portfolio and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or certain participant-level charges, or any redemption fees imposed by an underlying collective trust or other investment vehicle in which the sub-account invests. These charges, if included, would otherwise reduce the total return for a participant's account. Performance information current to the most recent month-end is available on our website myplan.johnhancock.com.**

Performance data for a sub-account for any period prior to the date introduced is shown in bold and is hypothetical based on the performance of the underlying fund.

The performance of the sub-account may differ from the performance of the underlying ETF - refer to footnote 139.

The Index is MSCI EAFE Growth.¹¹¹¹

The peer group is Foreign Large Growth.¹⁶⁶

Principal risks include: market risk; currency; valuation; passive investment; assets under management; management for ETF; structural; mid-capitalization companies; merger and replacement transition; industrials sector; equity securities; asset class; national closed market trading; risk of investing in Japan; non-U.S. securities; reliance on trading partners; securities lending; operational; index-related; tracking error; risk of increase expenses; authorized participant concentration; issuer ETF; growth securities; consumer staples sector; large-capitalization companies; calculation methodology; market trading; geographic; concentration; cybersecurity for ETF and risk of investing in developed countries. For more details, see Risk Disclosures section of this booklet.



Manulife
Retirement



iShares MSCI EAFE Growth ETF ^{76,119,139}

Investing solely in iShares MSCI EAFE Growth ETF

Managed by iShares Delaware Trust Sponsor LLC

Ticker Symbol*: **EFG**

Fund Highlights

Investment Objective and Policies ▶ Seeks to track the investment results of the MSCI EAFE Growth Index composed of developed market equities, excluding the U.S. and Canada, that exhibit growth characteristics.

Why Consider this Fund

▶ You want a simple, low-cost way to invest in foreign growth stocks

Holdings, Weightings and Allocations of the underlying fund

Top Holdings (as of 03-31-25)^α

SAP SE	3.4%
ASML Holding NV	3.2%
AstraZeneca PLC	2.8%
Novo Nordisk AS Class B	2.7%
Lvmh Moet Hennessy Louis Vuitton SE	2.1%
Commonwealth Bank of Australia	1.9%
Sony Group Corp	1.9%
Schneider Electric SE	1.5%
Air Liquide SA	1.3%
Novartis AG Registered Shares	1.3%

Totals 22.1% of assets

Asset Allocation (as of 03-31-25)^α

Non US Stock	97.0%
US Stock	2.9%

Top Country Holdings (as of 03-31-25)^α

Japan	21.3%
United Kingdom	13.5%
France	10.6%
Switzerland	10.2%
Germany	9.3%
Netherlands	7.4%
Australia	7.0%
Denmark	4.3%
Sweden	4.0%
United States	2.9%

Top Sector Weightings (as of 03-31-25)^α

Industrials	23.4%
Technology	17.6%
Healthcare	16.8%
Consumer Cyclical	12.4%
Financial Services	11.0%
Consumer Defensive	7.8%
Basic Materials	4.6%
Communication Services	4.2%
Utilities	0.8%
Real Estate	0.6%
Energy	0.1%

Key Statistics (as of 3-31-25 unless noted)^α

- ▶ **Number of Holdings:** 382
- ▶ **Sharpe Ratio:** 0.01
- ▶ **Beta:** 1.05 (MSCI EAFE Growth NR USD)
- ▶ **R²:** 97.78 (MSCI EAFE Growth NR USD)
- ▶ **Turnover (annualized)^β:** 22.00
- ▶ **Net Assets:** \$12.4 billion
- ▶ **Underlying fund expense ratios:**
 - Gross* 0.36%
 - Net* 0.36%
- ▶ **Market Cap (millions):** 62316.16

Morningstar Information^{***} (as of 3-31-25)^α

- ▶ **Overall Morningstar RatingTM:** ★★
- ▶ **Overall # of Funds in Category:** 369
- ▶ **Morningstar Category^{6A}:** Foreign Large Growth
- ▶ **No. of funds:** 3yr 369; 5yr 335; 10yr 213

The Overall Morningstar RatingTM for the underlying fund is derived from a weighted average of the performance figures associated with its three-, five- and 10-year (if applicable) Morningstar RatingTM metrics. The rating formula most heavily weights the three year rating, using the following calculation: 100% three-year rating for 36-59 months of total returns, 60% five-year rating/40% three-year rating for 60-119 months of total returns, and 50% 10-year rating/30% five-year rating/20% three-year rating for 120 or more months of total returns. Rating does not include the effects of sales charges, loads, and redemption fees. Past performance does not guarantee future results. Ratings are as follows: 3yr=3; 5yr=3; 10yr=3. See Important Notes for the rating criteria.

* The Net expense ratio shown is for the underlying fund and reflects any fee waivers or expense reimbursements and is subject to change. Please refer to the underlying prospectus or offering documents for additional information.^A

¥ Important notes

Please call 800-395-1113 to obtain the Fund Sheet for the group annuity investment option sub-accounts and/or to obtain a prospectus (or Offering Memorandum/Trust Document) for the sub-accounts' underlying fund, that are available on request. The prospectuses (or Offering Memorandum/Trust Documents) for the sub-accounts' underlying funds contain complete details on investment objectives, risks, fees, charges and expenses as well as other information about the underlying funds which should be carefully considered before investing.

John Hancock conducts business in English.

Fees and expenses are only one of several factors that you should consider when making investment decisions. The cumulative effect of fees and expenses can substantially reduce the growth of your retirement account. You can visit the Employee Benefit Security Administration's Web site for an example demonstrating the long-term effect of fees and expenses.

Contributions under a group annuity contract issued by John Hancock Life Insurance Company (U.S.A.) (John Hancock USA) are allocated to investment options which: (a) invest solely in shares of an underlying mutual fund, collective trust, ETF, or other investment vehicle in which the sub-account invests; (b) invest in a combination of these; or (c) are Guaranteed Interest Accounts and which will be held in the John Hancock USA general account. For more information on a particular investment option, please refer to John Hancock USA's fund sheets, available through our web site myplan.johnhancock.com or your John Hancock USA representative.

Allocating assets to only one or a small number of the investment options (other than an asset allocation investment option such as a target date or target risk option) should not be considered a balanced investment program. In particular, allocating assets to a small number of investment options concentrated in particular business or market sectors could subject an account to increased risk and volatility.

* When contributions are allocated to funds under your employer's group annuity contract with John Hancock, they will be held in a sub-account (also referred to as "Fund"), which invests in shares of the specified underlying mutual fund, collective trust, ETF, or other investment vehicle in which the sub-account invests. The ticker symbols shown are for the underlying mutual fund, collective trusts, ETFs, or other investment vehicle in which the sub-account is invested. The ticker symbols do not directly apply to the John Hancock sub-account and therefore any public information accessed using these symbols will not reflect the unit value of the subaccount, nor will such information reflect sub-account, contract-level or participant-level charges under your plan's group annuity contract.

Information Concerning John Hancock's Short-Term Trading Policy

The group annuity contract is not designed for short-term trading. The effect of short-term trading may disrupt or be potentially disruptive to the management of the fund underlying an investment option and may thereby adversely impact the underlying fund's performance, either by impacting fund management practices or by increasing fund transaction costs. These impacts are absorbed by other fund investors, including retirement plan participants. For the protection of the participants, account changes are subject to the following short-term trading guidelines when exchanging investment options under your company's qualified retirement plan account with John Hancock. Requests may be cancelled if not within our guidelines.

Participants are allowed a **maximum of two exchanges per calendar month**. An **exchange** is defined as the full rebalance of a participant's account, or single or multiple fund-to-fund transfers that involve multiple investment options (also referred to as "inter-account transfers") on one day, and may be made online or with a client account representative.

Recognizing that there may be extreme market or other circumstances requiring a participant to make a further change, John Hancock will allow a participant to move **100% of their assets to a Money Market or Stable Value Fund (as available under the contract) after the exchange limit has been reached;**

no subsequent exchanges may be made for 30 days. Once the 30-day hold has expired, participants can trade again in accordance with the above guidelines.

The guidelines **do not** apply to regular allocations, loans, or withdrawals.

In addition, on an ongoing basis, participant account activity is reviewed for trading activity that, though within the monthly exchange limit, could be detrimental to an underlying fund and/or contrary to its exchange policies, as described in the fund's prospectus. As a result of this review, or if requested by a fund company, additional restrictions may be imposed on a participant's retirement account, including but not limited to:

- Applying redemption fees and/or trade restrictions as requested by the underlying fund manager. Such trade restrictions may be more restrictive than the above guidelines
- Restricting the number of exchanges made during a defined period
- Restricting the dollar amount of exchange
- Restricting the method used to submit exchanges (e.g., requiring exchange requests to be submitted in writing via U.S. mail)
- Restricting exchanges into and out of certain investment options

Participants can read about the short-term trading policy at myplan.johnhancock.com under the "modify your account - change account" feature. Redemption fees or market value adjustments associated with exchanges from particular investment options are described on applicable fund sheets, which are available online. For more information or to order prospectuses for the underlying investments, call 800-395-1113 and speak to a client account representative.

±Weightings - Applicable to only the Target Date (Lifecycle Portfolio) and Target Risk (Lifestyle Portfolios)

Each Target Risk/Target Date Portfolio has a target percentage allocation designed to meet the investment objectives of a corresponding investment orientation. Allocation percentages may vary or be adjusted due to market or economic conditions or other reasons as set out in the prospectus. Due to abnormal market conditions or redemption activity the fund may temporarily invest in cash and cash equivalents.

The underlying mutual fund, collective trust, ETF, or other investment vehicle in which the sub-account invests has the right to restrict trade activity without prior notice if a participant's trading is determined to be in excess of their exchange policy, as stated in an underlying fund's offering document.

⊠The information shown is based on the most recent available information for the underlying mutual fund, collective trust, ETF, or other investment vehicle in which the sub-account invests (collectively referred to as underlying fund) as of the date of printing and is subject to change. Listed holdings do not represent all of the holdings in the underlying fund.

⊠Average Credit Quality is from a Nationally Recognized Statistical Rating Organization (NRSRO).

1A. Your company's qualified retirement plan offers participants the opportunity to contribute to investment options available under a group annuity contract with John Hancock Life Insurance Company (U.S.A.) (John Hancock USA). These investment options may be sub-accounts (pooled funds) investing directly in underlying mutual fund, collective trusts, ETFs, or other investment vehicles, or they may be Guaranteed Interest Accounts.

The funds offered on the JH Signature platform are classified into five risk categories. The risk category in which a fund is placed is determined based on where the 10 year Standard Deviation (defined below) of the underlying fund's Morningstar Category falls on the following scale: if the 10 year Standard

¥ Important notes CONTINUED

Deviation of the underlying fund's Morningstar Category is 17.00 or higher, the Fund is classified as "Aggressive;" between 11.50 and 16.99 as "Growth;" between 7.00 and 11.49 as "Growth & Income;" between 2.50 and 6.99 as "Income;" and 2.49 and below as "Conservative." If a 10 year Standard Deviation is not available for a Morningstar Category, then the 5 year Standard Deviation of the underlying fund's Morningstar Category is used to determine the Fund's risk category. If a 5 year Standard Deviation is not available for a Morningstar Category, then the 3 year Standard Deviation of the underlying fund's Morningstar Category Index is used to determine the Fund's risk category. Standard Deviation is defined by Morningstar as a statistical measurement of dispersion about an average, which, for an underlying fund, depicts how widely the returns varied over a certain period of time.

The placement of each investment option's risk/return category is subject to change. This information is not intended as investment advice and there can be no assurance that any investment option will achieve its objectives or experience less volatility than another.

2A. Manager or Sub-Adviser refers to the manager of the underlying fund, or to the sub-adviser of the underlying John Hancock Trust, John Hancock Funds II, or John Hancock Funds III fund in which the sub-account invests. "Underlying fund" includes the underlying mutual fund, collective trust, ETF, or other investment vehicle in which a sub-account invests.

3A. Date sub-account or Guaranteed Interest Account first available under group annuity contract. The Signature Menu was introduced December 8, 2014. If the sub-account inception date is after December 8, 2014, then the Signature Menu introduction date is the same as the sub-account inception date.

4A. The performance data for a sub-account for any period prior to the sub-account Inception Date is hypothetical based on the performance of the underlying investment since inception of the underlying investment. All other performance data is actual (except as otherwise indicated). Returns for any period greater than one year are annualized. Performance data reflects changes in the prices of a sub-account's investments (including the shares of an underlying mutual fund, collective trust, or ETF), reinvestment of dividends and capital gains and deductions for the sub-account charges.

The performance data presented represents past performance. Past performance is no guarantee of future results and current performance may be lower or higher than the performance quoted. An investment in a sub-account will fluctuate in value to reflect the value of the sub-account's underlying fund and, when redeemed, may be worth more or less than original cost. Performance does not reflect any applicable contract-level or participant-level charges, fees for guaranteed benefits if elected by participant, or any redemption fees imposed by an underlying mutual fund, collective trust or ETF. These charges, if included, would otherwise reduce the total return for a participant's account. Performance current to the most recent month-end is available at myplan.johnhancock.com.

5A. Asset class/Investment style : Asset class refers to the broad category of investments the portfolio, or underlying fund, currently holds. Fixed income, or bond funds are often categorized by the duration and credit quality of the bonds held in the underlying fund. Equity, or stock underlying funds may be categorized by the size of the securities in which the fund invests (market capitalization). Investment style tells you whether the underlying fund invests in securities of companies that exhibit growth-style characteristics, such as above-average revenue and earnings growth, or in securities that exhibit value-style characteristics, such as shares considered to be underpriced in relation to fundamental measures such as revenues, earnings and assets.

****Expense Ratio (ER)

This material shows expenses for a specific unit class for investment options available under a John Hancock group annuity contract. The Expense Ratio ("ER") shown represents the total annual operating expenses for the investment options made available by John Hancock. It is made up of John Hancock's (i) "Revenue from Sub-account", and (ii) the expenses of the underlying fund (based on expense ratios reported in the most recent prospectuses available as of the date of

printing; "FER"). In the case where an underlying fund has either waived a portion of, or capped, its fees, the FER used to determine the ER of the sub-account that invests in the underlying fund is the net expense ratio of the underlying fund. "Underlying fund" or "fund" refers to the underlying mutual fund, collective trust, or exchanged traded fund ("ETF") in which the investment option invests. The FER is determined by the underlying fund and may be subject to fluctuation. Any change in the FER of an underlying fund will affect the Expense Ratio of the investment option which invests in the underlying fund. The ER applies daily at a rate equivalent to the annual rate shown, and may vary to reflect changes in the expenses of an underlying fund and other factors. For Expense Ratio information current as of the most recent quarter end, please refer to the monthly "Return and Fees" listing available from John Hancock upon request. For more information, please contact your financial representative.

** Performance of the Sub-account

The performance data for a sub-account for any period prior to the sub-account Inception Date is hypothetical based on the performance of the underlying portfolio.* The Signature Menu was introduced December 8, 2014. If the sub-account inception date is after December 8, 2014, then the Signature Menu introduction date is the same as the sub-account inception date. Returns for any period greater than one year are annualized. Performance data reflects changes in the prices of a sub-account's investments (including the shares of an underlying fund), reinvestment of dividends and capital gains and deductions for the Expense Ratio (ER). Performance does not reflect any applicable contract-level or certain participant-level charges, fees for guaranteed benefits if elected by participant under the group annuity contract or redemption fees imposed by the underlying portfolio. These charges, if included, would otherwise reduce the total return for a participant's account. All performance calculations shown have been prepared solely by John Hancock USA. The underlying fund company has not reviewed the sub-account's performance.

6A. Morningstar Category:

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Morningstar assigns categories by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor Morningstar uses as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

***Morningstar Portfolio Ratings

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quarter-end. Although gathered from reliable sources, the information is not represented or warranted by Morningstar to be accurate, correct, complete or timely.

^AThe amounts displayed represent the gross and net expense ratios of the underlying fund in which the sub-account invests. Where the figures are different, the underlying fund has either waived a portion of, or capped its fees, and the result of such fee waiver or cap is reflected in the net expense ratio. The waiver or cap is subject to expiration, in which case the Expense Ratio and performance of the sub account may be impacted. Refer to the prospectus of the underlying fund for details.

When calculating the Expense Ratio of the sub-account, the net expense ratio of the underlying fund is used. Returns shown reflect the Expense Ratio of the sub-account.

76. Indexes are unmanaged and the performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index. Like all mutual funds, index funds are subject to market risks and will fluctuate in value. Index funds are designed to track the performance of its target index but may underperform due to fees, expenses or tracking errors. These investments are not actively managed and do not necessarily attempt to manage volatility or protect against losses in declining markets. None of the index funds are sponsored, endorsed, managed, advised, sold or promoted by any of the respective companies that sponsor the broad-based securities market index, and none of these companies make any representation regarding the advisability of investing in any index mutual fund.

119. The underlying fund expense ratio shown includes an annualized charge of 0.06% accrued daily, and deducted monthly out of the unitized version of the underlying fund provided by and traded through the trading platform of an unaffiliated third party.

139. The returns of the sub-account may differ from the returns of the ETF in which the sub-account invests (referred to as 'tracking error'). Tracking error results from certain fees and transaction expenses incurred by the sub-account, from differences between the timing of purchases and redemptions of sub-account shares and corresponding transactions in the shares of the underlying ETF, and from the fact that the sub-account holds a small amount of cash (less than 1% of the value of the sub-account) in addition to shares of the ETF.

Index Performance:

With respect to the Funds that display an index performance. Index performance shown is for a broad-based securities market index. Indexes are unmanaged and cannot be invested in directly. Index returns were prepared using Morningstar Direct. The performance of an Index does not include any portfolio or insurance-related charges. If these charges were reflected, performance would be lower. Past performance is not a guarantee of future results.

i111. MSCI EAFE Growth Index: The MSCI EAFE Growth Index captures large and mid cap securities exhibiting overall growth style characteristics across Developed Markets countries around the world, excluding the US and Canada. The growth investment style characteristics for index construction are defined using five variables: long-term forward EPS growth rate, short-term forward EPS growth rate, current internal growth rate and long-term historical EPS growth trend and long-term historical sales per share growth trend.

Peer Group Performance:

With respect to the Funds that display a Peer Group Performance. Source: Morningstar Direct for Mutual Funds, as of the most recent month end. Morningstar data is ©2025 by Morningstar, Inc. All rights reserved. Although gathered from reliable sources, the information is not represented or warranted by Morningstar to be accurate, correct, complete or timely. Peer groups are unmanaged and cannot be invested in directly.

p6. Foreign Large Growth: Foreign large-growth portfolios focus on high-priced growth stocks, mainly outside of the United States. Most of these portfolios divide their assets among a dozen or more developed markets, including Japan, Britain, France, and Germany. These portfolios primarily invest in stocks that have market

caps in the top 70% of each economically integrated market (such as Europe or Asia ex-Japan). Growth is defined based on fast growth (high growth rates for earnings, sales, book value, and cash flow) and high valuations (high price ratios and low dividend yields). These portfolios typically will have less than 20% of assets invested in U.S. stocks.

Key Statistics

⁵The Turnover Ratio shown is based on the most recent available financial statements for the underlying mutual fund, collective trust, ETF, or other investment vehicle in which the sub-account invests, as of the date of printing and is subject to change.

¹Wrap Provider Exposure

S&P

Credit ratings of AA- or better are considered to be high credit quality; credit ratings of BBB- are good credit quality and the lowest category of investment grade; credit ratings BB+ and below are lower-rated securities ("junk bonds"); and credit ratings of CCC+ or below have high default risk. The credit quality breakdown does not give effect to the impact of any credit derivative investments made by the fund.

Moody's

The rating scale, running from a high of Aaa to a low of C, comprises 21 notches. It is divided into two sections, investment grade and speculative grade. The lowest investment-grade rating is Baa3. The highest speculative-grade rating is Ba1. Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa.

Financial Strength Rating⁺

A.M. Best Rating

AM Best's methodologies for rating is a comprehensive overview of the credit rating process, which consists of quantitative and qualitative evaluations of balance sheet strength, operating performance, business profile, and enterprise risk management.

Fitch Ratings

The terms "investment grade" and "speculative grade" have established themselves over time as shorthand to describe the categories 'AAA' to 'BBB' (investment grade) and 'BB' to 'D' (speculative grade). The terms investment grade and speculative grade are market conventions and do not imply any recommendation or endorsement of a specific security for investment purposes. Investment grade categories indicate relatively low to moderate credit risk, while ratings in the speculative categories either signal a higher level of credit risk or that a default has already occurred.

S&P

Credit ratings of AA- or better are considered to be high credit quality; credit ratings of BBB- are good credit quality and the lowest category of investment grade; credit ratings BB+ and below are lower-rated securities ("junk bonds"); and credit ratings of CCC+ or below have high default risk. The credit quality breakdown does not give effect to the impact of any credit derivative investments made by the fund.

Moody's

The rating scale, running from a high of Aaa to a low of C, comprises 21 notches. It is divided into two sections, investment grade and speculative grade. The lowest investment-grade rating is Baa3. The highest speculative-grade rating is Ba1. Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa.

Fund availability subject to regulatory approval and may vary from state to state. The availability of products, funds and contract features may be subject to broker-dealer firm approval, state approval, broker licensing requirements, tax law requirements, or other contract-related requirements. From time to time, changes are made to funds, and the

¥ Important notes CONTINUED

availability of these changes may be subject to state approvals or other compliance requirements. Please confirm with your local John Hancock Representative if you have any questions about product, fund or contract feature availability.

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