

Prospectus Supplement

**John Hancock Funds II
Global Equity Fund (the fund)**

Supplement dated March 27, 2023 to the current Summary Prospectus, as may be supplemented (the Summary Prospectus)

Effective March 31, 2023, Uday Chatterjee will no longer serve as a portfolio manager of the fund. Accordingly, all references to Mr. Chatterjee will be removed from the Summary Prospectus as of March 31, 2023.

As of November 30, 2023 (the Effective Date), Edward Ritchie, ASIP, will be added as a portfolio manager of the fund. As of the Effective Date, Paul Boyne, Stephen Hermsdorf and Felicity Smith will continue as portfolio managers of the fund and, along with Edward Ritchie, ASIP, will be jointly and primarily responsible for the day-to-day management of the fund's portfolio.

As of the Effective Date, the following amends and supplements the fund's portfolio manager information under the heading "Portfolio management":

Edward Ritchie, ASIP
Portfolio Manager and Analyst
Managed fund since 2023

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

4250SPS_3/27/23

Summary prospectus

John Hancock Global Equity Fund

Before you invest, you may want to review the fund's prospectus, which contains more information about the fund and its risks. You can find the fund's prospectus and other information about the fund, including the Statement of Additional Information and most recent reports, online at www.jhinvestments.com/prospectuses. You can also get this information at no cost by calling 800-225-5291 (Class A and Class C) or 888-972-8696 (Class I and Class R Suite) or by sending an email request to info@jhinvestments.com. The fund's prospectus and Statement of Additional Information, both dated 1/1/23, as may be supplemented, and most recent financial highlights information included in the shareholder report, dated 8/31/22, are incorporated by reference into this summary prospectus.

Tickers

A: JHGEX C: JGECX I: JGEFX R2: JGERX R4: JGETX R6: JGEMX

Investment objective

To seek long-term capital appreciation.

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.** You may qualify for sales charge discounts on Class A shares if you and your family invest, or agree to invest in the future, at least \$50,000 in the John Hancock family of funds. Intermediaries may have different policies and procedures regarding the availability of front-end sales charge waivers or contingent deferred sales charge (CDSC) waivers (See Appendix 1 - Intermediary sales charge waivers, which includes information about specific sales charge waivers applicable to the intermediaries identified therein). More information about these and other discounts is available from your financial professional and on pages 21 to 23 of the prospectus under "Sales charge reductions and waivers" or pages 161 to 166 of the fund's Statement of Additional Information under "Sales Charges on Class A and Class C Shares."

Shareholder fees (%) (fees paid directly from your investment)	A	C	I	R2	R4	R6
Maximum front-end sales charge (load) on purchases, as a % of purchase price	5.00	None	None	None	None	None
Maximum deferred sales charge (load) as a % of purchase or sale price, whichever is less	1.00 (on certain purchases, including those of \$1 million or more)	1.00	None	None	None	None
Small account fee (for fund account balances under \$1,000) (\$)	20	20	None	None	None	None
Annual fund operating expenses (%) (expenses that you pay each year as a percentage of the value of your investment)	A	C	I	R2	R4	R6
Management fee	0.80	0.80	0.80	0.80	0.80	0.80
Distribution and service (Rule 12b-1) fees	0.30	1.00	0.00	0.25	0.25	0.00
Other expenses						
Service plan fee	0.00	0.00	0.00	0.25	0.10 ¹	0.00
Additional other expenses	0.19	0.19	0.19	0.08	0.08	0.08
Total other expenses	0.19	0.19	0.19	0.33	0.18	0.08
Total annual fund operating expenses	1.29	1.99	0.99	1.38	1.23	0.88
Contractual expense reimbursement ²	-0.01	-0.01	-0.01	-0.01	-0.11 ³	-0.01
Total annual fund operating expenses after expense reimbursements	1.28	1.98	0.98	1.37	1.12	0.87

¹ "Service plan fee" has been restated to reflect maximum allowable fees.

² The advisor contractually agrees to waive a portion of its management fee and/or reimburse expenses for the fund and certain other John Hancock funds according to an asset level breakpoint schedule that is based on the aggregate net assets of all the funds participating in the waiver or reimbursement. This waiver is allocated proportionally among the participating funds. During its most recent fiscal year, the fund's reimbursement amounted to 0.01% of the fund's average daily net assets. This agreement expires on July 31, 2024, 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.

3 The distributor contractually agrees to limit its Rule 12b-1 fees for Class R4 shares to 0.15%. This agreement expires on December 31, 2023 unless renewed by mutual agreement of the fund and the distributor based upon a determination that this is appropriate under the circumstances at that time.

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, except as shown below, 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:

Expenses (\$)	A	C	I	R2	R4	R6
		Sold	Not Sold			
1 year	624	301	201	100	139	89
3 years	888	623	623	314	436	280
5 years	1,171	1,072	1,072	546	754	487
10 years	1,978	2,135	2,135	1,212	1,657	1,083

Portfolio turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and 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 fund’s performance. During its most recent fiscal year, the fund’s portfolio turnover rate was 65% of the average value of its portfolio.

Principal investment strategies

The fund seeks to generate capital appreciation by investing at least 80% of net assets (plus borrowings for investment purposes) in a diversified portfolio of equity securities. Under normal market conditions, at least 40% of the value of the fund’s net assets will be invested in securities of issuers domiciled outside of the United States (“Foreign Companies”), unless the manager deems market conditions and/or company valuations to be less favorable to Foreign Companies, in which case, the fund will invest at least 30% of the value of its net assets in Foreign Companies. Foreign Companies include issuers domiciled in emerging markets and securities of foreign issuers that trade on U.S. exchanges. Equity securities include common and preferred stocks and their equivalents, including depositary receipts, warrants, rights, and convertible securities. The fund may invest in securities of any market-capitalization.

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.

The manager employs an unconstrained, bottom-up stock selection process based on fundamental research to attempt to identify undervalued companies that exhibit attractive valuations, solid business franchises, sustainable margins/cash flow, disciplined capital allocation, strong management teams, and strong balance sheets. The manager considers diversification benefits and liquidity of the security in making investment decisions.

Principal risks

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.

During periods of heightened market volatility or reduced liquidity, governments, their agencies, or other regulatory bodies, both within the United States and abroad, may take steps to intervene. These actions, which could include legislative, regulatory, or economic initiatives, might have unforeseeable consequences and could adversely affect the fund’s performance or otherwise constrain the fund’s ability to achieve its investment objective.

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 6 of the prospectus.*

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.

Emerging-market risk. The risks of investing in foreign securities are magnified in emerging markets. Emerging-market countries may experience higher inflation, interest rates, and unemployment and greater social, economic, and political uncertainties than more developed countries.

Equity securities risk. The price of equity securities may decline due to changes in a company's financial condition or overall market conditions. 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.

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. If applicable, depositary receipts are subject to most of the risks associated with investing in foreign securities directly because the value of a depositary receipt is dependent upon the market price of the underlying foreign equity security. Depositary receipts are also subject to liquidity risk.

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 without negatively impacting its market value may be impaired by reduced market activity or participation, legal restrictions, or other economic and market impediments.

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.

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.

Warrants risk. The prices of warrants may not precisely reflect the prices of their underlying securities. Warrant holders do not receive dividends or have voting or credit rights. A warrant ceases to have value if not exercised prior to its expiration date.

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. All figures assume dividend reinvestment.

Performance information is updated daily, monthly, and quarterly and may be obtained at our website, jihinvestments.com, or by calling 800-225-5291 (Class A and Class C), Monday to Thursday, 8:00 A.M.—7:00 P.M., and Friday, 8:00 A.M.—6:00 P.M., Eastern time, or 888-972-8696 (Class I, Class R2, Class R4, and Class R6) between 8:30 A.M. and 5:00 P.M., Eastern time, on most business days.

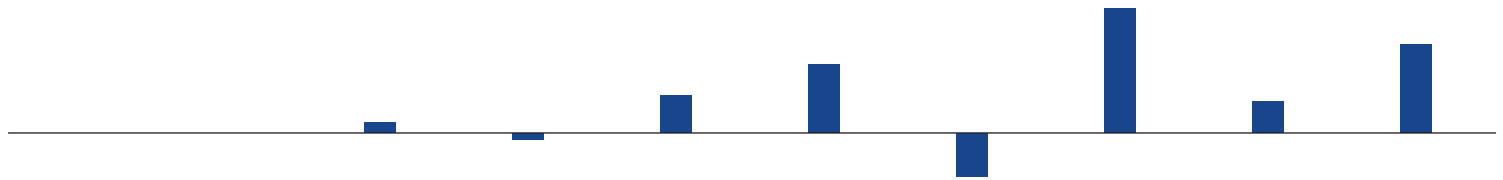
A note on performance

Class A shares commenced operations on May 16, 2013. Class C, Class R2, Class R4, and Class R6 shares commenced operations on March 27, 2015. Returns shown prior to a class's commencement date are those of Class A shares, except that they do not include sales charges and would be lower if they did. Returns for Class C, Class R2, Class R4, and Class R6 shares would have been substantially similar to returns of Class A shares because each share class is invested in the same portfolio of securities and returns would differ only to the extent that expenses of the classes are different. To the extent expenses of a class would have been higher than expenses of Class A shares for the periods shown, performance would have been lower.

Please note that after-tax returns (shown for Class A shares only) 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. After-tax returns for other share classes would vary.

Calendar year total returns (%)—Class A (sales charges are not reflected in the bar chart and returns would have been lower if they were)

	2014	2015	2016	2017	2018	2019	2020	2021
	2.47	-1.65	8.93	16.46	-10.34	29.75	7.63	21.00



Year-to-date total return. The fund's total return for the nine months ended September 30, 2022, was -23.79%.

Best quarter: 2020, Q2, 17.15%

Worst quarter: 2020, Q1, -22.54%

Average annual total returns (%)—as of 12/31/21	1 year	5 year	Since inception (05/16/13)
Class A (before tax)	14.95	10.89	8.73
after tax on distributions	10.00	8.97	7.20
after tax on distributions, with sale	12.08	8.37	6.70
Class C	19.12	11.24	8.78
Class I	21.34	12.36	9.70
Class R2	20.84	11.97	9.37
Class R4	21.21	12.29	9.60
Class R6	21.50	12.48	9.73
MSCI World Index (reflects no deduction for fees, expenses, or taxes, except foreign withholding taxes on dividends)	21.82	15.03	11.22

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.

Paul Boyne

Team Head, Portfolio Manager

Managed fund since 2013

Uday Chatterjee

Portfolio Manager and Analyst

Managed fund since 2022

Stephen Hermsdorf

Managing Director, Portfolio

Manager

Managed fund since 2018

Felicity Smith

Portfolio Manager and Analyst

Managed fund since 2022

Purchase and sale of fund shares

The minimum initial investment requirement for Class A and Class C shares is \$1,000 (\$250 for group investments), except that there is no minimum for certain group retirement plans, certain fee-based or wrap accounts, or certain other eligible investment product platforms. The minimum initial investment requirement for Class I shares is \$250,000, except that the fund may waive the minimum for any category of investors at the fund's sole discretion. There are no minimum initial investment requirements for Class R2 or Class R4 shares. The minimum initial investment requirement for Class R6 shares is \$1 million, except that there is no minimum for: qualified and nonqualified plan investors; certain eligible qualifying investment product platforms; Trustees, employees of the advisor or its affiliates, employees of the subadvisor, members of the fund's portfolio management team and the spouses and children (under age 21) of the aforementioned. There are no subsequent minimum investment requirements.

Class A, Class C, Class I and Class R6 shares may be redeemed on any business day by mail: John Hancock Signature Services, Inc., P.O. Box 219909, Kansas City, MO 64121-9909; or for most account types through our website: jhinvestments.com; or by telephone: 800-225-5291 (Class A and Class C); 888-972-8696 (Class I and Class R6). Class R2 and Class R4 shares may be redeemed on any business day by contacting your retirement plan administrator or recordkeeper.

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

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. These payments are not applicable to Class R6 shares. Ask your salesperson or visit your financial intermediary's website for more information.



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200 Berkeley Street Boston, MA 02116
800-225-5291, jihinvestments.com

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