

Semiannual report

John Hancock
Lifestyle
Blend Portfolios
(formerly John
Hancock
Multi-Index
Lifestyle
Portfolios)

Asset allocation

February 28, 2023

A message to shareholders



Dear shareholder,

Global equities posted slightly positive returns during the six months ended February 28, 2023. A modest downturn in inflation prompted investors to look ahead to the point at which the U.S. Federal Reserve (Fed) and other central banks could stop raising interest rates, boosting the performance of risk assets. The markets were also cheered by China's decision to move off of its zero-COVID policy. As the period ended, however, investor sentiment deteriorated amid signs of reaccelerating inflation and concerns that the Fed and other central banks would need to continue raising interest rates.

Bond yields generally rose during the period, leading to declining bond prices. Short-term bond yields increased the most, reflecting the central bank rate hikes. From a sector perspective, high-yield corporate bonds largely posted gains for the period, while government securities lagged.

In these uncertain times, your financial professional can assist with positioning your portfolio so that it's sufficiently diversified to help meet your long-term objectives and to withstand the inevitable bouts of market volatility along the way.

On behalf of everyone at John Hancock Investment Management, I'd like to take this opportunity to welcome new shareholders and thank existing shareholders for the continued trust you've placed in us.

Sincerely,



Andrew G. Arnott

Global Head of Retail,
Manulife Investment Management

President and CEO,
John Hancock Investment Management
Head of Wealth and Asset Management,
United States and Europe

This commentary reflects the CEO's views as of this report's period end and are subject to change at any time. Diversification does not guarantee investment returns and does not eliminate risk of loss. All investments entail risks, including the possible loss of principal. For more up-to-date information, you can visit our website at jhinvestments.com.

John Hancock

Lifestyle Blend Portfolios

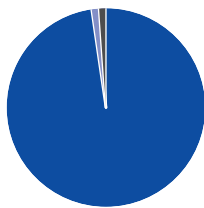
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Lifestyle Blend Portfolios at a glance

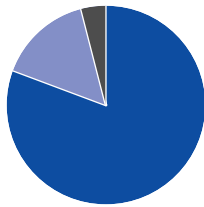
PORTFOLIO ALLOCATION AS OF 2/28/2023 (% of net assets)

HIGHER POTENTIAL
RETURN AND RISK



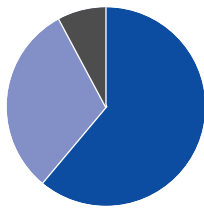
Lifestyle Blend Aggressive Portfolio

Equity	97.7
Fixed income	1.2
U.S. Government	1.1



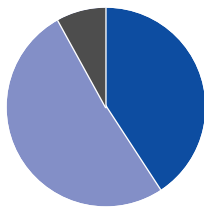
Lifestyle Blend Growth Portfolio

Equity	80.7
Fixed income	15.3
U.S. Government	4.0



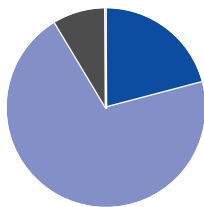
Lifestyle Blend Balanced Portfolio

Equity	61.1
Fixed income	31.1
U.S. Government	7.8



Lifestyle Blend Moderate Portfolio

Equity	40.8
Fixed income	51.2
U.S. Government	8.0



Lifestyle Blend Conservative Portfolio

Equity	20.9
Fixed income	70.5
U.S. Government	8.5
Short-term investments and other	0.1

LOWER POTENTIAL
RETURN AND RISK

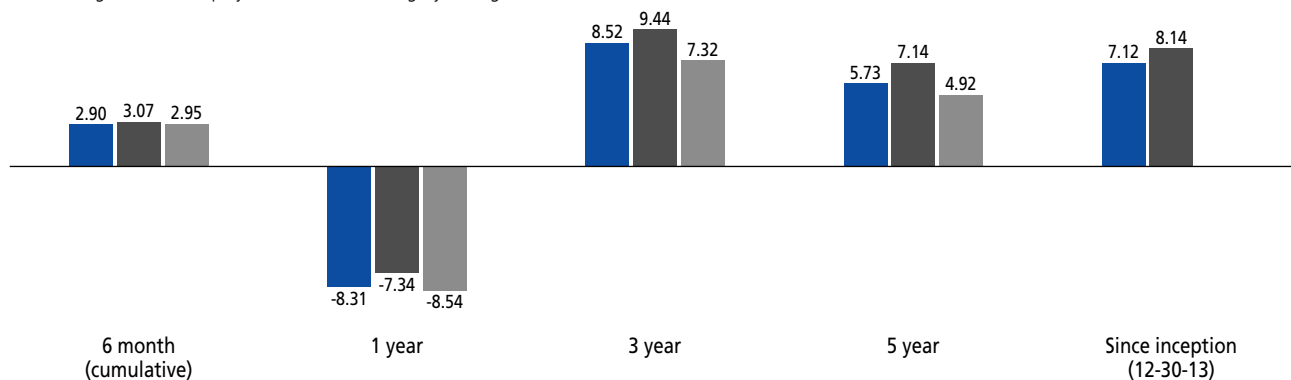
Notes about risk

The portfolios may be subject to various risks as described in the portfolios' prospectus. Political tensions and armed conflicts, including the Russian invasion of Ukraine, and any resulting economic sanctions on entities and/or individuals of a particular country could lead such a country into an economic recession. The COVID-19 disease has resulted in significant disruptions to global business activity. 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 portfolio performance. For more information, please refer to the "Principal risks" section of the prospectus.

AVERAGE ANNUAL TOTAL RETURNS AS OF 2/28/2023 (%)

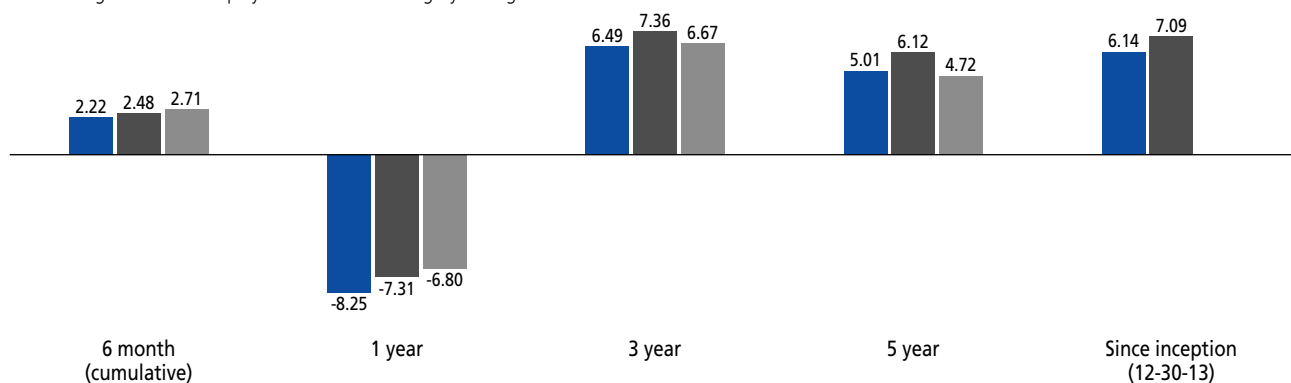
Lifestyle Blend Aggressive Portfolio

- Class A shares (without sales charge)
- Morningstar U.S. Aggressive Target Allocation Index
- Morningstar 85%+ equity allocation fund category average



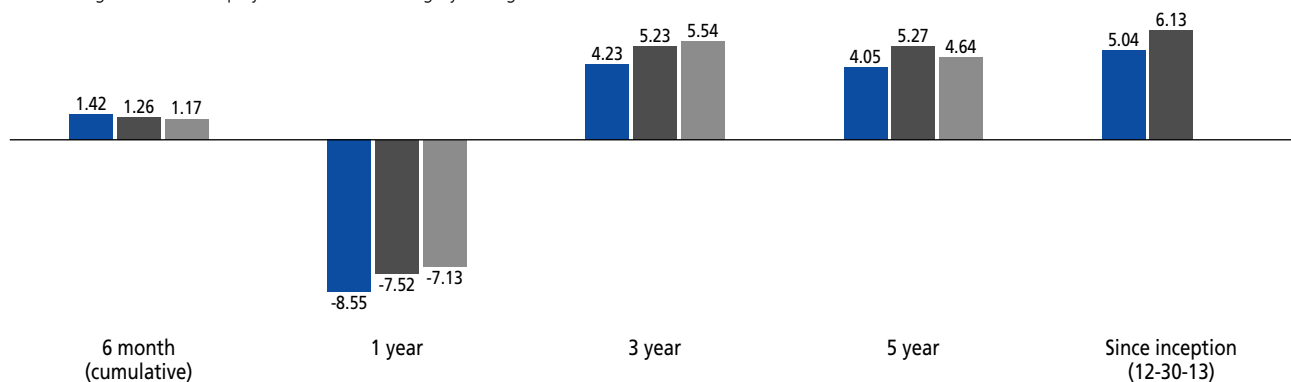
Lifestyle Blend Growth Portfolio

- Class A shares (without sales charge)
- Morningstar U.S. Moderately Aggressive Target Allocation Index
- Morningstar 70-85% equity allocation fund category average



Lifestyle Blend Balanced Portfolio

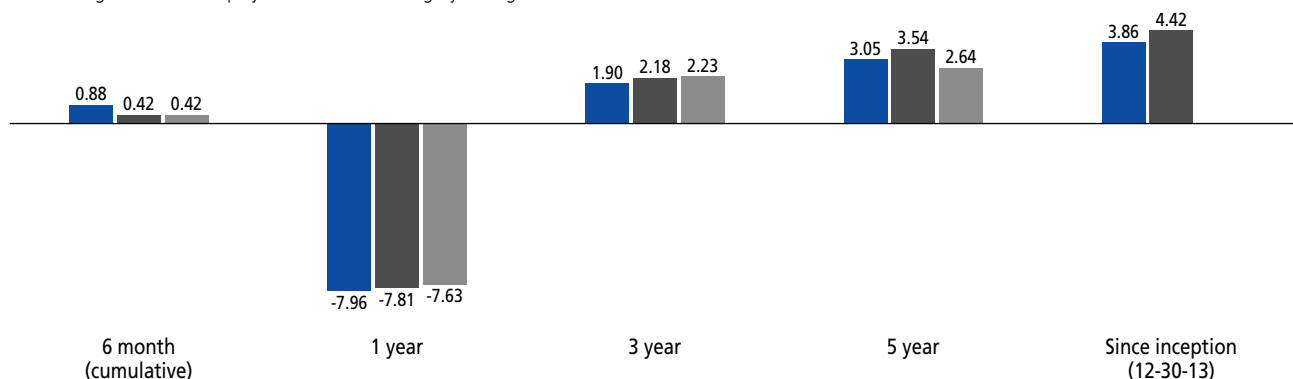
- Class A shares (without sales charge)
- Morningstar U.S. Moderate Target Allocation Index
- Morningstar 50-70% equity allocation fund category average



AVERAGE ANNUAL TOTAL RETURNS AS OF 2/28/2023 (%)

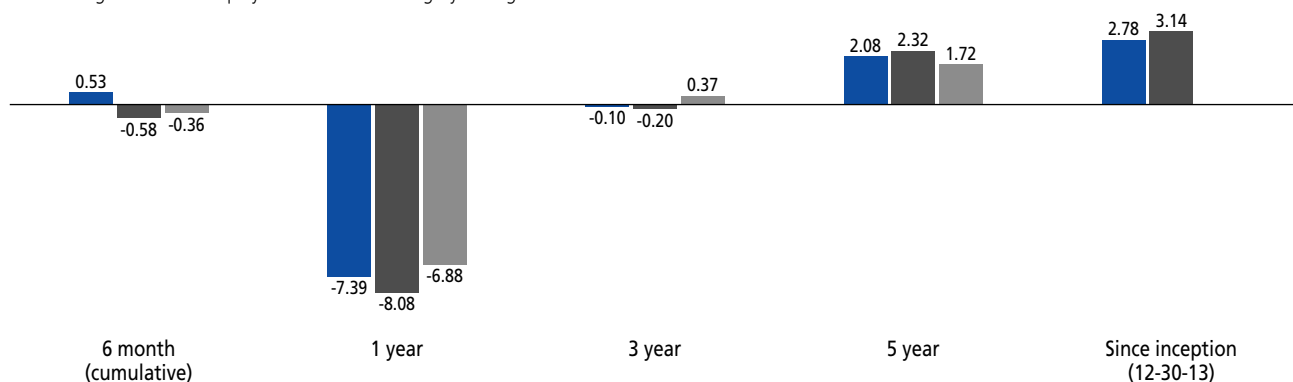
Lifestyle Blend Moderate Portfolio

- Class A shares (without sales charge)
- Morningstar U.S. Moderately Conservative Target Allocation Index
- Morningstar 30-50% equity allocation fund category average



Lifestyle Blend Conservative Portfolio

- Class A shares (without sales charge)
- Morningstar U.S. Conservative Target Allocation Index
- Morningstar 15-30% equity allocation fund category average



Class A shares were first offered on 4-26-21. Returns prior to this date are those of Class 1 shares that have not been adjusted for class-specific expenses; otherwise returns would vary.

The Morningstar Target Allocation Index family consists of indexes that offer a diversified mix of stocks and bonds created for local investors to benchmark their allocation funds. Morningstar's Category classification system defines the level of equity and bond exposure for each index.

The Morningstar U.S. Aggressive Target Allocation Index seeks 92.5% exposure to global equity markets.

The Morningstar U.S. Moderately Aggressive Target Allocation Index seeks 77.5% exposure to global equity markets.

The Morningstar U.S. Moderate Target Allocation Index seeks 60% exposure to global equity markets.

The Morningstar U.S. Moderately Conservative Target Allocation Index seeks 40% exposure to global equity markets.

The Morningstar U.S. Conservative Target Allocation Index seeks 22.5% exposure to global equity markets.

It is not possible to invest directly in an index. Index figures do not reflect expenses or sales charges, which would result in lower returns.

The fund's Morningstar category average is a group of funds with similar investment objectives and strategies and is the equal-weighted return of all funds per category. Morningstar places funds in certain categories based on their historical portfolio holdings. Figures from Morningstar, Inc. include reinvested distributions and do not take into account sales charges. Actual load-adjusted performance is lower. Since-inception returns for the Morningstar fund category average are not available.

The past performance shown here reflects reinvested distributions and the beneficial effect of any expense reductions, and does not guarantee future results. Returns for periods shorter than one year are cumulative, and results for other share classes will vary. Shares will fluctuate in value and, when redeemed, may be worth more or less than their original cost. Current month-end performance may be lower or higher than the performance cited, and can be found at jhinvestments.com or by calling 800-225-5291. For further information on the portfolios' objectives, risks, and strategy, see the portfolios' prospectuses.

Portfolio summary

Lifestyle Blend Aggressive Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	56.4
Equity	56.4
Large blend	30.7
International equity	25.7
Unaffiliated investment companies	42.5
Equity	41.3
Fixed income	1.2
U.S. Government	1.1

Lifestyle Blend Growth Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	44.3
Equity	44.3
Large blend	24.3
International equity	20.0
Unaffiliated investment companies	51.7
Equity	36.4
Fixed income	15.3
U.S. Government	4.0

Lifestyle Blend Balanced Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	32.5
Equity	32.5
Large blend	17.7
International equity	14.8
Unaffiliated investment companies	59.7
Fixed income	31.1
Equity	28.6
U.S. Government	7.8

Lifestyle Blend Moderate Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	20.7
Equity	20.7
Large blend	11.1
International equity	9.6
Unaffiliated investment companies	71.3
Fixed income	51.2
Equity	20.1
U.S. Government	8.0

Lifestyle Blend Conservative Portfolio

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	8.5
Equity	8.5
Large blend	4.4
International equity	4.1
Unaffiliated investment companies	82.9
Fixed income	70.5
Equity	12.4
U.S. Government	8.5
Short-term investments and other	0.1

Your expenses

As a shareholder of a John Hancock Funds II Lifestyle Blend Portfolio, you incur two types of costs: (1) transaction costs, including sales charges (loads) on certain purchases or redemptions, and (2) ongoing costs, including management fees, distribution and service (Rule 12b-1) fees, and other portfolio expenses. In addition to the operating expenses which each portfolio bears directly, each portfolio indirectly bears a pro rata share of the operating expenses of the underlying funds in which each portfolio invests. Because underlying funds have varied operating expenses and transaction costs, and a portfolio may own different proportions of the underlying funds at different times, the amount of expenses incurred indirectly by the portfolio will vary. Had these indirect expenses been reflected in the following analysis, total expenses would have been higher than the amounts shown.

These examples are intended to help you understand your ongoing costs (in dollars) of investing in a portfolio so you can compare these costs with the ongoing costs of investing in other mutual funds. The examples are based on an investment of \$1,000 at the beginning of the period and held for the entire period (September 1, 2022 through February 28, 2023).

Actual expenses:

The first line of each share class in the following table provides information about actual account values and actual expenses. You may use the information in this line, together with the amount you invested, to estimate the expenses that you paid over the period. Simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number in the first line under the heading entitled "Expenses paid during period ended" to estimate the expenses you paid on your account during this period.

Hypothetical example for comparison purposes:

The second line of each share class in the following table provides information about hypothetical account values and hypothetical expenses based on the actual expense ratio for the share class and an assumed annualized rate of return of 5% per year before expenses, which is not the actual return of the share class. The hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period. You may use this information to compare the ongoing costs of investing in a portfolio and other funds. To do so, compare this 5% hypothetical example with the 5% hypothetical examples that appear in the shareholder reports of the other funds. Please remember that these hypothetical account values and expenses may not be used to estimate the actual ending account balance or expenses you paid for the period.

Please note that the expenses shown in the table are meant to highlight your ongoing costs only and do not reflect any transactional costs. Therefore, the second line of each share class in the table is useful in comparing ongoing costs only, and will not help you determine the relative total costs of owning different funds. In addition, if these transactional costs were included, your costs would have been higher. See the portfolios' prospectuses for details regarding transaction costs.

SHAREHOLDER EXPENSE EXAMPLE CHART

		Account value on 9-1-2022	Ending value on 2-28-2023	Expenses paid during period ended 2-28-2023 ¹	Annualized expense ratio ²
Lifestyle Blend Aggressive Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,029.00	\$3.52	0.70%
	Hypothetical example	1,000.00	1,021.30	3.51	0.70%
Class R6	Actual expenses/actual returns	1,000.00	1,031.70	1.46	0.29%
	Hypothetical example	1,000.00	1,023.40	1.45	0.29%
Class 1	Actual expenses/actual returns	1,000.00	1,031.20	1.71	0.34%
	Hypothetical example	1,000.00	1,023.10	1.71	0.34%
Lifestyle Blend Growth Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,022.20	\$3.71	0.74%
	Hypothetical example	1,000.00	1,021.10	3.71	0.74%
Class R6	Actual expenses/actual returns	1,000.00	1,024.80	1.71	0.34%
	Hypothetical example	1,000.00	1,023.10	1.71	0.34%
Class 1	Actual expenses/actual returns	1,000.00	1,024.40	1.91	0.38%
	Hypothetical example	1,000.00	1,022.90	1.91	0.38%
Lifestyle Blend Balanced Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,014.20	\$4.00	0.80%
	Hypothetical example	1,000.00	1,020.80	4.01	0.80%
Class R6	Actual expenses/actual returns	1,000.00	1,016.50	1.95	0.39%
	Hypothetical example	1,000.00	1,022.90	1.96	0.39%
Class 1	Actual expenses/actual returns	1,000.00	1,015.40	2.20	0.44%
	Hypothetical example	1,000.00	1,022.60	2.21	0.44%

SHAREHOLDER EXPENSE EXAMPLE CHART (continued)

		Account value on 9-1-2022	Ending value on 2-28-2023	Expenses paid during period ended 2-28-2023 ¹	Annualized expense ratio ²
Lifestyle Blend Moderate Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,008.80	\$4.28	0.86%
	Hypothetical example	1,000.00	1,020.50	4.31	0.86%
Class R6	Actual expenses/actual returns	1,000.00	1,011.00	2.24	0.45%
	Hypothetical example	1,000.00	1,022.60	2.26	0.45%
Class 1	Actual expenses/actual returns	1,000.00	1,010.80	2.49	0.50%
	Hypothetical example	1,000.00	1,022.30	2.51	0.50%
Lifestyle Blend Conservative Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,005.30	\$4.52	0.91%
	Hypothetical example	1,000.00	1,020.30	4.56	0.91%
Class R6	Actual expenses/actual returns	1,000.00	1,007.40	2.54	0.51%
	Hypothetical example	1,000.00	1,022.30	2.56	0.51%
Class 1	Actual expenses/actual returns	1,000.00	1,007.20	2.74	0.55%
	Hypothetical example	1,000.00	1,022.10	2.76	0.55%

¹ Expenses are equal to the annualized expense ratio, multiplied by the average account value over the period, multiplied by 181/365 (to reflect the one-half year period).

² Ratios do not include expenses indirectly incurred by the underlying funds and can vary based on the mix of underlying funds held by the portfolios.

Portfolios' investments

LIFESTYLE BLEND AGGRESSIVE PORTFOLIO

As of 2-28-23 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 56.4%		
Equity - 56.4%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	13,357,825	\$119,552,537
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	17,051,633	142,892,681
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$294,500,663)		\$262,445,218
UNAFFILIATED INVESTMENT COMPANIES - 42.5%		
Equity - 41.3%		
Fidelity Mid Cap Index Fund	2,354,952	64,502,123
Fidelity Small Cap Index Fund	1,576,859	36,945,819
Financial Select Sector SPDR Fund	197,445	7,052,735
iShares Global Infrastructure ETF	50,211	2,335,816
iShares MSCI Global Min Vol Factor ETF	78,310	7,282,047
Vanguard Dividend Appreciation ETF	36,323	5,520,370
Vanguard Energy ETF (C)	60,643	7,070,974
Vanguard FTSE All World ex-US Small-Cap ETF	42,412	4,593,220
Vanguard FTSE Emerging Markets ETF	437,024	17,227,486
Vanguard Global ex-U.S. Real Estate ETF	56,083	2,340,904
Vanguard Health Care ETF	29,686	6,969,085
Vanguard Information Technology ETF (C)	6,717	2,365,190
Vanguard Materials ETF	26,244	4,760,137
Vanguard Real Estate ETF	81,854	7,016,525
Vanguard S&P 500 ETF	43,451	15,820,944
Fixed income - 1.2%		
Vanguard Emerging Markets Government Bond ETF	40,099	2,463,683
Vanguard Intermediate-Term Corporate Bond ETF	12,570	979,957
Vanguard Total Bond Market ETF	13,624	981,882
Xtrackers USD High Yield Corporate Bond ETF	36,234	1,237,391
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$195,127,786)		\$197,466,288
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	11,471	0
Health care - 0.0%		
NMC Health PLC (E)	360	1
Information technology - 0.0%		
Ya Hsin Industrial Company, Ltd. (D)(E)	736	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	1,529	10,288
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	46,457	1,272
TOTAL COMMON STOCKS (Cost \$11,582)		\$11,561

LIFESTYLE BLEND AGGRESSIVE PORTFOLIO (continued)

	Shares or Principal Amount	Value
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 1.1%		
U.S. Government - 1.1%		
U.S. Treasury STRIPS, PO, 3.679%, 11/15/2052	\$620,000	\$208,628
U.S. Treasury STRIPS, PO, 3.804%, 08/15/2051	4,628,000	1,574,612
U.S. Treasury STRIPS, PO, 3.846%, 05/15/2050	5,978,000	2,109,062
U.S. Treasury STRIPS, PO, 3.917%, 11/15/2048	3,549,000	1,302,596
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$6,676,181)		\$5,194,898
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 11-20-26; Strike Price: THB 14.90) (E)	7,589	58
BTS Group Holdings PCL (Expiration Date: 11-7-24; Strike Price: THB 11.90) (E)	3,795	21
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (E)	4,881	5,700
Magellan Financial Group, Ltd. (Expiration Date: 4-16-27; Strike Price: AUD 35.00) (E)	6	1
Minor International PCL (Expiration Date: 2-15-24; Strike Price: THB 31.00) (E)	378	46
Minor International PCL (Expiration Date: 5-5-23; Strike Price: THB 28.00) (E)	417	63
Minor International PCL (Expiration Date: 7-31-23; Strike Price: THB 21.60) (E)	833	278
Srisawad Corp. PCL (Expiration Date: 8-29-25; Strike Price: THB 100.00) (E)	173	21
TOTAL WARRANTS (Cost \$4,400)		\$6,188
SHORT-TERM INVESTMENTS - 0.4%		
Short-term funds - 0.4%		
John Hancock Collateral Trust, 4.5832% (G)(H)	185,459	1,853,753
TOTAL SHORT-TERM INVESTMENTS (Cost \$1,853,709)		\$1,853,753
Total investments (Cost \$498,174,321) - 100.4%		\$466,977,906
Other assets and liabilities, net - (0.4%)		(1,647,440)
TOTAL NET ASSETS - 100.0%		\$465,330,466

LIFESTYLE BLEND GROWTH PORTFOLIO

As of 2-28-23 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 44.3%		
Equity - 44.3%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	23,048,134	\$206,280,803
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	29,883,525	250,423,943
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$512,270,788)		\$456,704,746
UNAFFILIATED INVESTMENT COMPANIES - 51.7%		
Equity - 36.4%		
Fidelity Mid Cap Index Fund	4,190,988	114,791,175
Fidelity Small Cap Index Fund	2,856,190	66,920,541
Financial Select Sector SPDR Fund	365,309	13,048,837

LIFESTYLE BLEND GROWTH PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
iShares Global Infrastructure ETF	94,016	\$4,373,624
iShares MSCI Global Min Vol Factor ETF	393,013	36,546,279
Vanguard Dividend Appreciation ETF	168,212	25,564,860
Vanguard Energy ETF	113,030	13,179,298
Vanguard FTSE All World ex-US Small-Cap ETF	47,809	5,177,715
Vanguard FTSE Developed Markets ETF (C)	134,886	5,957,915
Vanguard FTSE Emerging Markets ETF	701,252	27,643,354
Vanguard Global ex-U.S. Real Estate ETF	104,709	4,370,554
Vanguard Health Care ETF	54,442	12,780,804
Vanguard Information Technology ETF	14,827	5,220,883
Vanguard Materials ETF	49,218	8,927,161
Vanguard Real Estate ETF	153,438	13,152,705
Vanguard S&P 500 ETF	46,819	17,047,266
Fixed income - 15.3%		
Invesco Senior Loan ETF (C)	741,375	15,531,806
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	193,317	4,722,734
Vanguard Emerging Markets Government Bond ETF	347,311	21,338,788
Vanguard Intermediate-Term Corporate Bond ETF	625,304	48,748,700
Vanguard Short-Term Bond ETF	20,373	1,531,438
Vanguard Short-Term Corporate Bond ETF	87,095	6,556,512
Vanguard Total Bond Market ETF	520,333	37,500,399
Xtrackers USD High Yield Corporate Bond ETF	651,729	22,256,545
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$535,764,762)		\$532,889,893
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	19,400	0
Health care - 0.0%		
NMC Health PLC (E)	609	1
Information technology - 0.0%		
Ya Hsin Industrial Company, Ltd. (D)(E)	1,245	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	2,587	17,400
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	78,570	2,152
TOTAL COMMON STOCKS (Cost \$19,587)		\$19,553
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 4.0%		
U.S. Government - 4.0%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$1,647,619	1,612,221
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	4,609,281	4,427,430
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	4,488,957	4,246,667

LIFESTYLE BLEND GROWTH PORTFOLIO (continued)

	Shares or Principal Amount	Value
U.S. Government - (continued)		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	5,685,430	\$5,313,323
U.S. Treasury STRIPS, PO, 3.679%, 11/15/2052	3,300,000	1,110,437
U.S. Treasury STRIPS, PO, 3.804%, 08/15/2051	22,168,000	7,542,353
U.S. Treasury STRIPS, PO, 3.846%, 05/15/2050	28,624,000	10,098,659
U.S. Treasury STRIPS, PO, 3.917%, 11/15/2048	17,005,000	6,241,378
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$49,393,837)		\$40,592,468
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 11-20-26; Strike Price: THB 14.90) (E)	12,835	98
BTS Group Holdings PCL (Expiration Date: 11-7-24; Strike Price: THB 11.90) (E)	6,418	36
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (E)	8,254	9,640
Magellan Financial Group, Ltd. (Expiration Date: 4-16-27; Strike Price: AUD 35.00) (E)	11	2
Minor International PCL (Expiration Date: 2-15-24; Strike Price: THB 31.00) (E)	640	77
Minor International PCL (Expiration Date: 5-5-23; Strike Price: THB 28.00) (E)	706	107
Minor International PCL (Expiration Date: 7-31-23; Strike Price: THB 21.60) (E)	1,408	470
Srisawad Corp. PCL (Expiration Date: 8-29-25; Strike Price: THB 100.00) (E)	293	35
TOTAL WARRANTS (Cost \$7,440)		\$10,465
SHORT-TERM INVESTMENTS - 2.2%		
Short-term funds - 2.2%		
John Hancock Collateral Trust, 4.5832% (G)(H)	2,296,391	22,953,572
TOTAL SHORT-TERM INVESTMENTS (Cost \$22,949,581)		\$22,953,572
Total investments (Cost \$1,120,405,995) - 102.2%		\$1,053,170,697
Other assets and liabilities, net - (2.2%)		(22,705,757)
TOTAL NET ASSETS - 100.0%		\$1,030,464,940

LIFESTYLE BLEND BALANCED PORTFOLIO
As of 2-28-23 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 32.5%		
Equity - 32.5%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	17,520,814	\$156,811,288
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	22,404,905	187,753,104
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$384,279,291)		\$344,564,392
UNAFFILIATED INVESTMENT COMPANIES - 59.7%		
Equity - 28.6%		
Fidelity Mid Cap Index Fund	3,125,789	85,615,368
Fidelity Small Cap Index Fund	2,191,484	51,346,482

LIFESTYLE BLEND BALANCED PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
Financial Select Sector SPDR Fund	299,397	\$10,694,461
iShares Global Infrastructure ETF	71,645	3,332,925
iShares MSCI Global Min Vol Factor ETF	494,798	46,011,266
Vanguard Dividend Appreciation ETF	212,029	32,224,167
Vanguard Energy ETF	85,197	9,933,970
Vanguard FTSE Developed Markets ETF (C)	134,733	5,951,157
Vanguard FTSE Emerging Markets ETF	438,230	17,275,027
Vanguard Global ex-U.S. Real Estate ETF	79,899	3,334,984
Vanguard Health Care ETF	44,734	10,501,754
Vanguard Information Technology ETF	15,136	5,329,688
Vanguard Materials ETF	37,260	6,758,219
Vanguard Real Estate ETF	115,913	9,936,062
Vanguard S&P 500 ETF	13,090	4,766,200
Fixed income - 31.1%		
Invesco Senior Loan ETF (C)	1,592,259	33,357,826
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	385,089	9,407,724
Vanguard Emerging Markets Government Bond ETF	700,570	43,043,021
Vanguard Intermediate-Term Corporate Bond ETF	1,296,626	101,084,964
Vanguard Short-Term Bond ETF (C)	69,493	5,223,789
Vanguard Short-Term Corporate Bond ETF	236,584	17,810,044
Vanguard Total Bond Market ETF	994,770	71,693,074
Xtrackers USD High Yield Corporate Bond ETF	1,413,737	48,279,119
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$654,757,590)		\$632,911,291
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	14,022	0
Health care - 0.0%		
NMC Health PLC (E)	440	1
Information technology - 0.0%		
Ya Hsin Industrial Company, Ltd. (D)(E)	900	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	1,870	12,576
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	56,786	1,555
TOTAL COMMON STOCKS (Cost \$14,156)		\$14,132
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.8%		
U.S. Government - 7.8%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$3,736,519	3,656,242
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	10,456,207	10,043,677
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	10,187,872	9,637,985

LIFESTYLE BLEND BALANCED PORTFOLIO (continued)

	Shares or Principal Amount	Value
U.S. Government - (continued)		
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	12,900,502	\$12,056,174
U.S. Treasury STRIPS, PO, 3.679%, 11/15/2052	6,520,000	2,193,955
U.S. Treasury STRIPS, PO, 3.804%, 08/15/2051	42,253,000	14,375,993
U.S. Treasury STRIPS, PO, 3.846%, 05/15/2050	54,524,000	19,236,280
U.S. Treasury STRIPS, PO, 3.917%, 11/15/2048	32,397,000	11,890,733
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$101,298,600)		\$83,091,039
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 11-20-26; Strike Price: THB 14.90) (E)	9,277	71
BTS Group Holdings PCL (Expiration Date: 11-7-24; Strike Price: THB 11.90) (E)	4,638	26
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (E)	5,966	6,968
Magellan Financial Group, Ltd. (Expiration Date: 4-16-27; Strike Price: AUD 35.00) (E)	8	1
Minor International PCL (Expiration Date: 2-15-24; Strike Price: THB 31.00) (E)	462	56
Minor International PCL (Expiration Date: 5-5-23; Strike Price: THB 28.00) (E)	510	77
Minor International PCL (Expiration Date: 7-31-23; Strike Price: THB 21.60) (E)	1,018	340
Srisawad Corp. PCL (Expiration Date: 8-29-25; Strike Price: THB 100.00) (E)	212	25
TOTAL WARRANTS (Cost \$5,378)		\$7,564
SHORT-TERM INVESTMENTS - 4.6%		
Short-term funds - 4.6%		
John Hancock Collateral Trust, 4.5832% (G)(H)	4,900,300	48,980,945
TOTAL SHORT-TERM INVESTMENTS (Cost \$48,981,800)		\$48,980,945
Total investments (Cost \$1,189,336,815) - 104.6%		\$1,109,569,363
Other assets and liabilities, net - (4.6%)		(49,176,772)
TOTAL NET ASSETS - 100.0%		\$1,060,392,591

LIFESTYLE BLEND MODERATE PORTFOLIO
As of 2-28-23 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 20.7%		
Equity - 20.7%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	3,514,048	\$31,450,727
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	4,311,860	36,133,384
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$74,758,803)		\$67,584,111
UNAFFILIATED INVESTMENT COMPANIES - 71.3%		
Equity - 20.1%		
Fidelity Mid Cap Index Fund	637,810	17,469,623
Fidelity Small Cap Index Fund	407,452	9,546,600

LIFESTYLE BLEND MODERATE PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
iShares Global Infrastructure ETF	13,996	\$651,094
iShares MSCI Global Min Vol Factor ETF	175,237	16,295,289
Vanguard Dividend Appreciation ETF	74,965	11,393,181
Vanguard Energy ETF (C)	16,713	1,948,736
Vanguard FTSE Developed Markets ETF (C)	43,675	1,929,125
Vanguard FTSE Emerging Markets ETF	36,216	1,427,635
Vanguard Global ex-U.S. Real Estate ETF	15,634	652,563
Vanguard Materials ETF	7,310	1,325,888
Vanguard Real Estate ETF	22,911	1,963,931
Vanguard S&P 500 ETF	3,302	1,202,291
Fixed income - 51.2%		
Invesco Senior Loan ETF (C)	728,380	15,259,561
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	162,099	3,960,079
Vanguard Emerging Markets Government Bond ETF	304,994	18,738,831
Vanguard Intermediate-Term Corporate Bond ETF	715,361	55,769,541
Vanguard Short-Term Bond ETF (C)	30,236	2,272,840
Vanguard Short-Term Corporate Bond ETF	136,693	10,290,249
Vanguard Total Bond Market ETF	555,632	40,044,399
Xtrackers USD High Yield Corporate Bond ETF	628,891	21,476,628
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$247,967,471)		\$233,618,084
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	2,691	0
Health care - 0.0%		
NMC Health PLC (E)	84	0
Information technology - 0.0%		
Ya Hsin Industrial Company, Ltd. (D)(E)	173	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	359	2,413
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	10,897	298
TOTAL COMMON STOCKS (Cost \$2,716)		\$2,711
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 8.0%		
U.S. Government - 8.0%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$1,728,874	1,691,731
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	4,836,814	4,645,987
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	4,710,801	4,456,538
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	5,965,076	5,574,667
U.S. Treasury STRIPS, PO, 3.679%, 11/15/2052	1,338,000	450,232
U.S. Treasury STRIPS, PO, 3.804%, 08/15/2051	8,857,000	3,013,471

LIFESTYLE BLEND MODERATE PORTFOLIO (continued)

	Shares or Principal Amount	Value
U.S. Government - (continued)		
U.S. Treasury STRIPS, PO, 3.846%, 05/15/2050	11,422,000	\$4,029,726
U.S. Treasury STRIPS, PO, 3.917%, 11/15/2048	6,790,000	2,492,147
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$30,769,414)		\$26,354,499
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 11-20-26; Strike Price: THB 14.90) (E)	1,780	14
BTS Group Holdings PCL (Expiration Date: 11-7-24; Strike Price: THB 11.90) (E)	890	5
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (E)	1,145	1,337
Magellan Financial Group, Ltd. (Expiration Date: 4-16-27; Strike Price: AUD 35.00) (E)	2	0
Minor International PCL (Expiration Date: 2-15-24; Strike Price: THB 31.00) (E)	89	11
Minor International PCL (Expiration Date: 5-5-23; Strike Price: THB 28.00) (E)	98	15
Minor International PCL (Expiration Date: 7-31-23; Strike Price: THB 21.60) (E)	195	65
Srisawad Corp. PCL (Expiration Date: 8-29-25; Strike Price: THB 100.00) (E)	41	5
TOTAL WARRANTS (Cost \$1,033)		\$1,452
SHORT-TERM INVESTMENTS - 7.0%		
Short-term funds - 7.0%		
John Hancock Collateral Trust, 4.5832% (G)(H)	2,302,616	23,015,797
TOTAL SHORT-TERM INVESTMENTS (Cost \$23,013,291)		\$23,015,797
Total investments (Cost \$376,512,728) - 107.0%		\$350,576,654
Other assets and liabilities, net - (7.0%)		(23,047,942)
TOTAL NET ASSETS - 100.0%		\$327,528,712

LIFESTYLE BLEND CONSERVATIVE PORTFOLIO
As of 2-28-23 (unaudited)

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 8.5%		
Equity - 8.5%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	1,305,148	\$11,681,077
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	1,476,537	12,373,383
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$25,991,041)		\$24,054,460
UNAFFILIATED INVESTMENT COMPANIES - 82.9%		
Equity - 12.4%		
Fidelity Mid Cap Index Fund	285,115	7,809,310
Fidelity Small Cap Index Fund	217,347	5,092,437
iShares MSCI Global Min Vol Factor ETF	78,341	7,284,930
Vanguard Dividend Appreciation ETF	33,504	5,091,938
Vanguard FTSE Developed Markets ETF (C)	74,500	3,290,665
Vanguard FTSE Emerging Markets ETF	38,376	1,512,782

LIFESTYLE BLEND CONSERVATIVE PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
Vanguard S&P 500 ETF	14,140	\$5,148,515
Fixed income - 70.5%		
Invesco Senior Loan ETF (C)	842,735	17,655,298
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	180,499	4,409,591
Vanguard Emerging Markets Government Bond ETF	347,050	21,322,752
Vanguard Intermediate-Term Corporate Bond ETF	864,237	67,375,916
Vanguard Short-Term Bond ETF (C)	45,341	3,408,283
Vanguard Short-Term Corporate Bond ETF	147,437	11,099,057
Vanguard Total Bond Market ETF	700,867	50,511,484
Xtrackers USD High Yield Corporate Bond ETF	701,282	23,948,780
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$256,241,379)		\$234,961,738
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	955	0
Health care - 0.0%		
NMC Health PLC (E)	30	0
Information technology - 0.0%		
Ya Hsin Industrial Company, Ltd. (D)(E)	61	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	127	856
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	3,867	106
TOTAL COMMON STOCKS (Cost \$965)		\$962
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 8.5%		
U.S. Government - 8.5%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$2,556,434	2,501,511
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	7,155,819	6,873,500
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	6,966,598	6,590,579
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	8,819,356	8,242,136
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$26,196,921)		\$24,207,726
WARRANTS - 0.0%		
BTS Group Holdings PCL (Expiration Date: 11-20-26; Strike Price: THB 14.90) (E)	632	5
BTS Group Holdings PCL (Expiration Date: 11-7-24; Strike Price: THB 11.90) (E)	316	2
Cie Financiere Richemont SA (Expiration Date: 11-22-23; Strike Price: CHF 67.00) (E)	406	475
Minor International PCL (Expiration Date: 2-15-24; Strike Price: THB 31.00) (E)	31	4

LIFESTYLE BLEND CONSERVATIVE PORTFOLIO (continued)

	Shares or Principal Amount	Value
Minor International PCL (Expiration Date: 5-5-23; Strike Price: THB 28.00) (E)	35	\$5
Minor International PCL (Expiration Date: 7-31-23; Strike Price: THB 21.60) (E)	69	23
Srisawad Corp. PCL (Expiration Date: 8-29-25; Strike Price: THB 100.00) (E)	14	2
TOTAL WARRANTS (Cost \$366)		\$516
SHORT-TERM INVESTMENTS - 9.8%		
Short-term funds - 9.8%		
John Hancock Collateral Trust, 4.5832% (G)(H)	2,776,786	27,755,364
TOTAL SHORT-TERM INVESTMENTS (Cost \$27,755,468)		\$27,755,364
Total investments (Cost \$336,186,140) - 109.7%		\$310,980,766
Other assets and liabilities, net - (9.7%)		(27,482,703)
TOTAL NET ASSETS - 100.0%		\$283,498,063

Percentages are based upon net assets.

Currency Abbreviations

AUD Australian Dollar

CHF Swiss Franc

THB Thai Bhat

Security Abbreviations and Legend

JHF II John Hancock Funds II

MIM US Manulife Investment Management (US) LLC

PO Principal-Only Security - (Principal Tranche of Stripped Security). Rate shown is the annualized yield on date of purchase.

STRIPS Separate Trading of Registered Interest and Principal Securities

(A) The underlying funds' subadvisor is shown parenthetically.

(B) The subadvisor is an affiliate of the advisor.

(C) All or a portion of this security is on loan as of 2-28-23.

(D) Security is valued using significant unobservable inputs and is classified as Level 3 in the fair value hierarchy. Refer to Note 2 to the financial statements.

(E) Non-income producing.

(F) These securities are exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold, normally to qualified institutional buyers, in transactions exempt from registration.

(G) The rate shown is the annualized seven-day yield as of 2-28-23.

(H) Investment is an affiliate of the fund, the advisor and/or subadvisor. A portion of this security represents the investment of cash collateral received for securities lending.

Financial statements

STATEMENTS OF ASSETS AND LIABILITIES 2-28-23 (unaudited)

	Lifestyle Blend Aggressive Portfolio	Lifestyle Blend Growth Portfolio	Lifestyle Blend Balanced Portfolio	Lifestyle Blend Moderate Portfolio	Lifestyle Blend Conservative Portfolio
Assets					
Unaffiliated investments, at value (including securities loaned)	\$202,678,935	\$573,512,379	\$716,024,026	\$259,976,746	\$259,170,942
Affiliated investments, at value	264,298,971	479,658,318	393,545,337	90,599,908	51,809,824
Total investments, at value	466,977,906	1,053,170,697	1,109,569,363	350,576,654	310,980,766
Dividends and interest receivable	251,239	431,804	325,430	67,415	33,869
Receivable for fund shares sold	149,758	778,162	581,705	165,464	488,469
Receivable for investments sold	30,306	49,308	1,301,647	135,196	2,801
Receivable for securities lending income	189	10,841	22,060	10,439	11,123
Other assets	34,838	68,465	72,985	30,952	28,302
Total assets	467,444,236	1,054,509,277	1,111,873,190	350,986,120	311,545,330
Liabilities					
Due to custodian	—	—	1,316,950	—	—
Payable for investments purchased	548,893	952,994	8,126	145,460	330,031
Payable for fund shares repurchased	94,638	682,475	868,609	213,683	138,939
Payable upon return of securities loaned	1,383,934	22,262,131	49,132,636	23,024,356	27,509,143
Payable to affiliates					
Investment management fees	1,360	—	—	782	627
Accounting and legal services fees	39,013	86,644	88,768	27,085	23,554
Transfer agent fees	4,475	10,405	15,773	7,029	6,711
Trustees' fees	209	480	505	156	142
Other liabilities and accrued expenses	41,248	49,208	49,232	38,857	38,120
Total liabilities	2,113,770	24,044,337	51,480,599	23,457,408	28,047,267
Net assets	\$465,330,466	\$1,030,464,940	\$1,060,392,591	\$327,528,712	\$283,498,063
Net assets consist of					
Paid-in capital	\$500,014,956	\$1,107,284,513	\$1,154,487,512	\$360,706,678	\$315,178,750
Total distributable earnings (loss)	(34,684,490)	(76,819,573)	(94,094,921)	(33,177,966)	(31,680,687)
Net assets	\$465,330,466	\$1,030,464,940	\$1,060,392,591	\$327,528,712	\$283,498,063
Unaffiliated investments, at cost	\$201,819,949	\$585,185,626	\$756,075,724	\$278,740,634	\$282,439,631
Affiliated investments, at cost	296,354,372	535,220,369	433,261,091	97,772,094	53,746,509
Total investments, at cost	498,174,321	1,120,405,995	1,189,336,815	376,512,728	336,186,140
Securities loaned, at value	\$1,356,728	\$21,804,609	\$48,005,322	\$22,512,627	\$26,838,555
Net asset value per share					
The portfolios have an unlimited number of shares authorized with no par value.					
Net asset value is calculated by dividing the net assets of each class of shares by the number of outstanding shares in the class.					
Class A¹					
Net assets	\$50,475,908	\$118,759,447	\$180,454,170	\$79,985,259	\$78,206,027
Shares outstanding	4,687,411	11,284,514	18,056,734	8,172,668	8,282,164
Net asset value and redemption price per share	\$10.77	\$10.52	\$9.99	\$9.79	\$9.44
Class R6					
Net assets	\$13,536,778	\$23,275,164	\$15,873,380	\$5,409,322	\$3,363,266
Shares outstanding	1,257,410	2,209,337	1,589,083	552,449	355,963
Net asset value, offering price and redemption price per share	\$10.77	\$10.53	\$9.99	\$9.79	\$9.45
Class 1					
Net assets	\$401,317,780	\$888,430,329	\$864,065,041	\$242,134,131	\$201,928,770
Shares outstanding	37,309,372	84,500,279	86,536,434	24,732,209	21,379,541
Net asset value, offering price and redemption price per share	\$10.76	\$10.51	\$9.98	\$9.79	\$9.44
Maximum offering price per share					
Class A (net asset value per share ÷ 95%) ²	\$11.34	\$11.07	\$10.52	\$10.31	\$9.94

¹ Redemption price per share is equal to net asset value less any applicable contingent deferred sales charge.

² On single retail sales of less than \$50,000. On sales of \$50,000 or more and on group sales the offering price is reduced.

STATEMENTS OF OPERATIONS For the six months ended 2-28-23 (unaudited)

	Lifestyle Blend Aggressive Portfolio	Lifestyle Blend Growth Portfolio	Lifestyle Blend Balanced Portfolio	Lifestyle Blend Moderate Portfolio	Lifestyle Blend Conservative Portfolio
Investment income					
Dividends from affiliated investments	\$4,072,048	\$7,036,295	\$5,283,548	\$1,061,261	\$397,198
Dividends from unaffiliated investments	2,703,838	8,407,773	10,931,694	4,153,936	4,354,602
Interest	82,810	442,849	889,004	209,260	78,933
Securities lending	5,425	219,933	486,415	242,929	230,372
Total investment income	6,864,121	16,106,850	17,590,661	5,667,386	5,061,105
Expenses					
Investment management fees	524,861	1,441,460	1,746,799	613,891	608,773
Distribution and service fees	164,057	365,435	436,151	159,096	151,379
Accounting and legal services fees	42,965	95,283	97,476	29,717	25,807
Transfer agent fees	25,547	56,282	84,187	37,434	38,173
Trustees' fees	5,479	12,088	12,352	3,775	3,318
Custodian fees	13,169	13,247	13,247	13,247	13,247
State registration fees	19,858	26,269	26,897	18,739	23,328
Printing and postage	10,287	10,782	10,942	10,232	10,182
Professional fees	25,669	34,404	34,714	23,415	22,781
Other	8,927	13,598	13,615	7,717	7,270
Total expenses	840,819	2,068,848	2,476,380	917,263	904,258
Less expense reductions	(14,772)	(100)	(124)	(29,422)	(38,629)
Net expenses	826,047	2,068,748	2,476,256	887,841	865,629
Net investment income	6,038,074	14,038,102	15,114,405	4,779,545	4,195,476
Realized and unrealized gain (loss)					
Net realized gain (loss) on					
Unaffiliated investments	(1,694,909)	(6,967,871)	(10,057,204)	(4,045,317)	(3,336,351)
Affiliated investments	(1,974,054)	(2,134,629)	(1,860,543)	(804,838)	(645,810)
Capital gain distributions received from affiliated investments	2,446,577	4,232,838	3,201,598	645,670	239,022
	(1,222,386)	(4,869,662)	(8,716,149)	(4,204,485)	(3,743,139)
Change in net unrealized appreciation (depreciation) of					
Unaffiliated investments	4,139,818	7,862,548	4,161,907	988,818	711,813
Affiliated investments	4,496,121	7,091,345	5,936,312	1,564,199	972,088
	8,635,939	14,953,893	10,098,219	2,553,017	1,683,901
Net realized and unrealized gain (loss)	7,413,553	10,084,231	1,382,070	(1,651,468)	(2,059,238)
Increase in net assets from operations	\$13,451,627	\$24,122,333	\$16,496,475	\$3,128,077	\$2,136,238

STATEMENTS OF CHANGES IN NET ASSETS

	Lifestyle Blend Aggressive Portfolio		Lifestyle Blend Growth Portfolio		Lifestyle Blend Balanced Portfolio	
	Six months ended 2-28-23 (unaudited)	Year ended 8-31-22	Six months ended 2-28-23 (unaudited)	Year ended 8-31-22	Six months ended 2-28-23 (unaudited)	Year ended 8-31-22
Increase (decrease) in net assets						
From operations						
Net investment income	\$6,038,074	\$6,170,511	\$14,038,102	\$17,895,024	\$15,114,405	\$21,818,043
Net realized gain (loss)	(1,222,386)	66,001,508	(4,869,662)	122,744,995	(8,716,149)	98,365,012
Change in net unrealized appreciation (depreciation)	8,635,939	(149,570,653)	14,953,893	(300,764,694)	10,098,219	(273,738,361)
Increase (decrease) in net assets resulting from operations	13,451,627	(77,398,634)	24,122,333	(160,124,675)	16,496,475	(153,555,306)
Distributions to shareholders						
From earnings						
Class A	(5,315,969)	(2,003,659)	(11,651,766)	(3,383,549)	(14,023,458)	(4,350,623)
Class R6	(1,633,965)	(935,046)	(2,668,019)	(1,385,322)	(1,478,519)	(1,129,499)
Class 1	(46,896,397)	(35,035,864)	(98,515,443)	(67,301,517)	(77,182,729)	(64,509,406)
Total distributions	(53,846,331)	(37,974,569)	(112,835,228)	(72,070,388)	(92,684,706)	(69,989,528)
Portfolio share transactions						
From portfolio share transactions	55,965,622	55,821,932	126,572,013	87,781,432	130,377,272	109,090,528
Total increase (decrease)	15,570,918	(59,551,271)	37,859,118	(144,413,631)	54,189,041	(114,454,306)
Net assets						
Beginning of period	449,759,548	509,310,819	992,605,822	1,137,019,453	1,006,203,550	1,120,657,856
End of period	\$465,330,466	\$449,759,548	\$1,030,464,940	\$992,605,822	\$1,060,392,591	\$1,006,203,550

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	Lifestyle Blend Moderate Portfolio		Lifestyle Blend Conservative Portfolio	
	Six months ended 2-28-23 (unaudited)	Year ended 8-31-22	Six months ended 2-28-23 (unaudited)	Year ended 8-31-22
Increase (decrease) in net assets				
From operations				
Net investment income	\$4,779,545	\$7,394,751	\$4,195,476	\$7,081,453
Net realized gain (loss)	(4,204,485)	16,651,326	(3,743,139)	4,341,680
Change in net unrealized appreciation (depreciation)	2,553,017	(66,604,589)	1,683,901	(43,285,158)
Increase (decrease) in net assets resulting from operations	3,128,077	(42,558,512)	2,136,238	(31,862,025)
Distributions to shareholders				
From earnings				
Class A	(3,734,741)	(1,670,908)	(2,292,643)	(1,620,993)
Class R6	(292,159)	(255,860)	(113,445)	(152,033)
Class I	(13,175,004)	(14,930,227)	(6,950,403)	(11,844,103)
Total distributions	(17,201,904)	(16,856,995)	(9,356,491)	(13,617,129)
Portfolio share transactions				
From portfolio share transactions	36,109,289	46,516,269	29,379,913	63,271,894
Total increase (decrease)	22,035,462	(12,899,238)	22,159,660	17,792,740
Net assets				
Beginning of period	305,493,250	318,392,488	261,338,403	243,545,663
End of period	\$327,528,712	\$305,493,250	\$283,498,063	\$261,338,403

Financial highlights

Lifestyle Blend Aggressive Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ³	Ratios to average net assets			Net assets, end of period (in millions)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁴	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Lifestyle Blend Aggressive Portfolio															
Class A															
02-28-2023 ⁵	11.86	0.14	0.14	0.28	(0.11)	(1.26)	(1.37)	10.77	2.90 ^{6, 7}	0.70 ⁸	0.70 ⁸	1.49 ⁸	50	7	
08-31-2022	14.98	0.09	(2.16)	(2.07)	(0.14)	(0.91)	(1.05)	11.86	(15.01) ⁷	0.68	0.68	0.69	43	91	
08-31-2021 ⁹	14.31	(0.02)	0.69	0.67	—	—	—	14.98	4.68 ^{6, 7}	0.65 ⁸	0.65 ⁸	(0.30) ⁸	9	17	
Class R6															
02-28-2023 ⁵	11.88	0.16	0.15	0.31	(0.16)	(1.26)	(1.42)	10.77	3.17 ⁶	0.30 ⁸	0.29 ⁸	1.88 ⁸	14	7	
08-31-2022	15.01	0.16	(2.18)	(2.02)	(0.20)	(0.91)	(1.11)	11.88	(14.70)	0.27	0.27	1.19	14	91	
08-31-2021	11.94	0.17	3.34	3.51	(0.17)	(0.27)	(0.44)	15.01	30.02	0.25	0.25	1.22	12	17	
08-31-2020	11.57	0.16	1.32	1.48	(0.23)	(0.88)	(1.11)	11.94	13.00	0.26	0.26	1.48	8	21	
08-31-2019	13.12	0.19	(0.50)	(0.31)	(0.20)	(1.04)	(1.24)	11.57	(0.88)	0.25	0.25	1.62	4	14	
08-31-2018	12.31	0.12	1.42	1.54	(0.21)	(0.52)	(0.73)	13.12	12.73	0.26	0.25	0.93	4	15	
Class 1															
02-28-2023 ⁵	11.87	0.15	0.15	0.30	(0.15)	(1.26)	(1.41)	10.76	3.12 ⁶	0.34 ⁸	0.34 ⁸	1.82 ⁸	401	7	
08-31-2022	15.00	0.18	(2.20)	(2.02)	(0.20)	(0.91)	(1.11)	11.87	(14.74)	0.31	0.31	1.30	392	91	
08-31-2021	11.93	0.16	3.35	3.51	(0.17)	(0.27)	(0.44)	15.00	30.00	0.29	0.29	1.20	489	17	
08-31-2020	11.56	0.21	1.27	1.48	(0.23)	(0.88)	(1.11)	11.93	12.98	0.30	0.29	1.90	379	21	
08-31-2019	13.12	0.19	(0.51)	(0.32)	(0.20)	(1.04)	(1.24)	11.56	(1.01)	0.29	0.29	1.61	336	14	
08-31-2018	12.31	0.19	1.34	1.53	(0.20)	(0.52)	(0.72)	13.12	12.69	0.29	0.29	1.52	324	15	

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 Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-28-23. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 4-26-21.

Lifestyle Blend Growth Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ³	Ratios to average net assets			Net assets, end of period (in millions)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵			
Lifestyle Blend Growth Portfolio															
Class A															
02-28-2023 ⁵	11.57	0.14	0.07	0.21	(0.17)	(1.09)	(1.26)	10.52	2.22 ^{6,7}	0.74 ⁸	0.74 ⁸	1.83 ⁸	119	7	
08-31-2022	14.32	0.14	(2.05)	(1.91)	(0.16)	(0.68)	(0.84)	11.57	(14.26) ⁷	0.73	0.73	1.14	85	74	
08-31-2021 ⁹	13.73	— ¹⁰	0.59	0.59	—	—	—	14.32	4.30 ^{6,7}	0.70 ⁸	0.70 ⁸	0.06 ⁸	20	22	
Class R6															
02-28-2023 ⁵	11.60	0.16	0.08	0.24	(0.22)	(1.09)	(1.31)	10.53	2.48 ⁶	0.34 ⁸	0.34 ⁸	2.21 ⁸	23	7	
08-31-2022	14.37	0.22	(2.09)	(1.87)	(0.22)	(0.68)	(0.90)	11.60	(14.01)	0.32	0.32	1.69	24	74	
08-31-2021	11.97	0.19	2.68	2.87	(0.20)	(0.27)	(0.47)	14.37	24.56	0.30	0.30	1.43	21	22	
08-31-2020	11.56	0.23	1.11	1.34	(0.26)	(0.67)	(0.93)	11.97	11.88	0.31	0.31	2.07	7	32	
08-31-2019	12.56	0.23	(0.21)	0.02	(0.23)	(0.79)	(1.02)	11.56	1.30	0.30	0.30	1.99	6	13	
08-31-2018	12.02	0.17	1.00	1.17	(0.22)	(0.41)	(0.63)	12.56	9.85	0.30	0.30	1.44	5	16	
Class 1															
02-28-2023 ⁵	11.58	0.16	0.07	0.23	(0.21)	(1.09)	(1.30)	10.51	2.44 ⁶	0.38 ⁸	0.38 ⁸	2.14 ⁸	888	7	
08-31-2022	14.34	0.22	(2.08)	(1.86)	(0.22)	(0.68)	(0.90)	11.58	(14.00)	0.36	0.36	1.68	884	74	
08-31-2021	11.95	0.19	2.67	2.86	(0.20)	(0.27)	(0.47)	14.34	24.48	0.34	0.34	1.48	1,096	22	
08-31-2020	11.54	0.24	1.10	1.34	(0.26)	(0.67)	(0.93)	11.95	11.86	0.34	0.34	2.10	887	32	
08-31-2019	12.54	0.22	(0.20)	0.02	(0.23)	(0.79)	(1.02)	11.54	1.27	0.34	0.34	1.96	823	13	
08-31-2018	12.01	0.22	0.93	1.15	(0.21)	(0.41)	(0.62)	12.54	9.75	0.34	0.34	1.83	756	16	

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 Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-28-23. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 4-26-21.

¹⁰ Less than \$0.005 per share.

Financial highlights continued

Lifestyle Blend Balanced Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ³	Ratios to average net assets			Net assets, end of period (in millions)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ⁵			
Lifestyle Blend Balanced Portfolio															
Class A															
02-28-2023 ⁵	10.82	0.14	(0.02) ⁶	0.12	(0.16)	(0.79)	(0.95)	9.99	1.42 ^{7,8}	0.80 ⁹	0.80 ⁹	2.13 ⁹	180	9	
08-31-2022	13.33	0.19	(1.93)	(1.74)	(0.19)	(0.58)	(0.77)	10.82	(13.85) ⁸	0.79	0.79	1.62	126	58	
08-31-2021 ¹⁰	12.84	0.02	0.50	0.52	(0.03)	—	(0.03)	13.33	4.06 ^{7,8}	0.76 ⁹	0.76 ⁹	0.55 ⁹	28	32	
Class R6															
02-28-2023 ⁵	10.82	0.16	(0.02) ⁶	0.14	(0.18)	(0.79)	(0.97)	9.99	1.65 ⁷	0.39 ⁹	0.39 ⁹	2.57 ⁹	16	9	
08-31-2022	13.33	0.25	(1.93)	(1.68)	(0.25)	(0.58)	(0.83)	10.82	(13.48)	0.38	0.38	2.11	16	58	
08-31-2021	11.66	0.21	1.94	2.15	(0.22)	(0.26)	(0.48)	13.33	18.91	0.36	0.36	1.69	19	32	
08-31-2020	11.26	0.25	0.90	1.15	(0.27)	(0.48)	(0.75)	11.66	10.50	0.37	0.37	2.23	7	42	
08-31-2019	11.79	0.26	0.03	0.29	(0.26)	(0.56)	(0.82)	11.26	3.26	0.36	0.36	2.32	6	21	
08-31-2018	11.48	0.21	0.63	0.84	(0.24)	(0.29)	(0.53)	11.79	7.38	0.36	0.36	1.86	5	17	
Class 1															
02-28-2023 ⁵	10.82	0.16	(0.03) ⁶	0.13	(0.18)	(0.79)	(0.97)	9.98	1.54 ⁷	0.44 ⁹	0.44 ⁹	2.51 ⁹	864	9	
08-31-2022	13.32	0.25	(1.93)	(1.68)	(0.24)	(0.58)	(0.82)	10.82	(13.45)	0.42	0.42	2.07	864	58	
08-31-2021	11.65	0.22	1.93	2.15	(0.22)	(0.26)	(0.48)	13.32	18.87	0.40	0.40	1.73	1,074	32	
08-31-2020	11.26	0.25	0.88	1.13	(0.26)	(0.48)	(0.74)	11.65	10.36	0.41	0.41	2.26	931	42	
08-31-2019	11.78	0.25	0.05	0.30	(0.26)	(0.56)	(0.82)	11.26	3.31	0.40	0.40	2.30	891	21	
08-31-2018	11.48	0.24	0.58	0.82	(0.23)	(0.29)	(0.52)	11.78	7.25	0.40	0.40	2.06	865	17	

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 Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-28-23. Unaudited.

⁶ The amount shown for a share outstanding does not correspond with the aggregate net gain (loss) on investments for the period due to the timing of the sales and repurchases of shares in relation to fluctuating market values of the investments of the portfolio.

⁷ Not annualized.

⁸ Does not reflect the effect of sales charges, if any.

⁹ Annualized.

¹⁰ The inception date for Class A shares is 4-26-21.

Lifestyle Blend Moderate Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ³	Ratios to average net assets			Net assets, end of period (in millions)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁴	Expenses including reductions (%) ⁴	Net investment income (loss) (%) ²			
Lifestyle Blend Moderate Portfolio															
Class A															
02-28-2023 ⁵	10.25	0.14	(0.07)	0.07	(0.16)	(0.37)	(0.53)	9.79	0.88 ^{6,7}	0.88 ⁸	0.86 ⁸	2.41 ⁸	80	10	
08-31-2022	12.34	0.22	(1.73)	(1.51)	(0.21)	(0.37)	(0.58)	10.25	(12.77) ⁷	0.87	0.86	2.04	55	45	
08-31-2021 ⁹	11.98	0.04	0.36	0.40	(0.04)	—	(0.04)	12.34	3.33 ^{6,7}	0.85 ⁸	0.84 ⁸	0.97 ⁸	15	34	
Class R6															
02-28-2023 ⁵	10.25	0.16	(0.06)	0.10	(0.19)	(0.37)	(0.56)	9.79	1.10 ⁶	0.47 ⁸	0.45 ⁸	2.88 ⁸	5	10	
08-31-2022	12.35	0.27	(1.74)	(1.47)	(0.26)	(0.37)	(0.63)	10.25	(12.49)	0.46	0.45	2.41	5	45	
08-31-2021	11.40	0.21	1.21	1.42	(0.22)	(0.25)	(0.47)	12.35	12.73	0.45	0.44	1.81	4	34	
08-31-2020	11.08	0.26	0.66	0.92	(0.28)	(0.32)	(0.60)	11.40	8.58	0.46	0.44	2.35	1	48	
08-31-2019	11.15	0.28	0.28	0.56	(0.29)	(0.34)	(0.63)	11.08	5.58	0.44	0.44	2.56	1	21	
08-31-2018	11.08	0.26	0.21	0.47	(0.24)	(0.16)	(0.40)	11.15	4.37	0.45	0.44	2.37	1	20	
Class 1															
02-28-2023 ⁵	10.25	0.16	(0.07)	0.09	(0.18)	(0.37)	(0.55)	9.79	1.08 ⁶	0.52 ⁸	0.50 ⁸	2.83 ⁸	242	10	
08-31-2022	12.35	0.27	(1.75)	(1.48)	(0.25)	(0.37)	(0.62)	10.25	(12.52)	0.50	0.49	2.38	246	45	
08-31-2021	11.40	0.23	1.19	1.42	(0.22)	(0.25)	(0.47)	12.35	12.69	0.49	0.48	1.91	300	34	
08-31-2020	11.08	0.26	0.66	0.92	(0.28)	(0.32)	(0.60)	11.40	8.54	0.49	0.48	2.41	257	48	
08-31-2019	11.14	0.27	0.29	0.56	(0.28)	(0.34)	(0.62)	11.08	5.64	0.48	0.48	2.55	262	21	
08-31-2018	11.07	0.25	0.22	0.47	(0.24)	(0.16)	(0.40)	11.14	4.34	0.49	0.48	2.28	239	20	

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 Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-28-23. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 4-26-21.

Financial highlights continued

Lifestyle Blend Conservative Portfolio

Per share operating performance for a share outstanding throughout each period										Ratios and supplemental data					
Period ended	Net asset value, beginning of period (\$)	Income (loss) from investment operations		Total from investment operations (\$)	Less distributions			Net asset value, end of period (\$)	Total return (%) ³	Ratios to average net assets			Net assets, end of period (in millions)	Portfolio turnover (%)	
		Net investment income (loss) (\$) ^{1, 2}	Net realized and unrealized gain (loss) on investments (\$)		From net investment income (\$)	From net realized gain (\$)	Total distributions (\$)			Expenses before reductions (%) ⁴	Expenses including reductions (%) ⁵	Net investment income (loss) (%) ²			
Lifestyle Blend Conservative Portfolio															
Class A															
02-28-2023 ⁵	9.71	0.13	(0.09)	0.04	(0.18)	(0.13)	(0.31)	9.44	0.53 ^{6,7}	0.94 ⁸	0.91 ⁸	2.68 ⁸	78	10	
08-31-2022	11.59	0.26	(1.58)	(1.32)	(0.24)	(0.32)	(0.56)	9.71	(11.88) ⁷	0.94	0.92	2.54	60	28	
08-31-2021 ⁹	11.36	0.06	0.22	0.28	(0.05)	—	(0.05)	11.59	2.43 ^{6,7}	0.93 ⁸	0.91 ⁸	1.53 ⁸	11	43	
Class R6															
02-28-2023 ⁵	9.72	0.15	(0.09)	0.06	(0.20)	(0.13)	(0.33)	9.45	0.74 ⁶	0.54 ⁸	0.51 ⁸	3.10 ⁸	3	10	
08-31-2022	11.60	0.30	(1.58)	(1.28)	(0.28)	(0.32)	(0.60)	9.72	(11.50)	0.53	0.51	2.84	3	28	
08-31-2021	11.19	0.24	0.55	0.79	(0.23)	(0.15)	(0.38)	11.60	7.20	0.53	0.51	2.09	3	43	
08-31-2020	10.84	0.21	0.56	0.77	(0.27)	(0.15)	(0.42)	11.19	7.37	0.54	0.51	2.02	2	57	
08-31-2019	10.57	0.24	0.47	0.71	(0.28)	(0.16)	(0.44)	10.84	7.09	0.51	0.50	2.35	— ¹⁰	21	
08-31-2018	10.75	0.28	(0.11)	0.17	(0.25)	(0.10)	(0.35)	10.57	1.61	0.53	0.50	2.62	— ¹⁰	24	
Class 1															
02-28-2023 ⁵	9.71	0.15	(0.09)	0.06	(0.20)	(0.13)	(0.33)	9.44	0.72 ⁶	0.58 ⁸	0.55 ⁸	3.07 ⁸	202	10	
08-31-2022	11.60	0.30	(1.59)	(1.29)	(0.28)	(0.32)	(0.60)	9.71	(11.62)	0.58	0.55	2.80	198	28	
08-31-2021	11.18	0.24	0.55	0.79	(0.22)	(0.15)	(0.37)	11.60	7.26	0.57	0.55	2.10	230	43	
08-31-2020	10.83	0.27	0.50	0.77	(0.27)	(0.15)	(0.42)	11.18	7.33	0.57	0.54	2.50	199	57	
08-31-2019	10.56	0.28	0.43	0.71	(0.28)	(0.16)	(0.44)	10.83	7.05	0.55	0.54	2.73	184	21	
08-31-2018	10.74	0.25	(0.09)	0.16	(0.24)	(0.10)	(0.34)	10.56	1.57	0.57	0.54	2.41	156	24	

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 Ratios do not include expenses indirectly incurred from underlying funds and can vary based on the mix of underlying funds held by the portfolio.

⁵ Six months ended 2-28-23. Unaudited.

⁶ Not annualized.

⁷ Does not reflect the effect of sales charges, if any.

⁸ Annualized.

⁹ The inception date for Class A shares is 4-26-21.

¹⁰ Less than \$500,000.

Notes to financial statements (unaudited)

Note 1 — Organization

John Hancock Funds II (the Trust) is an open-end management investment company organized as a Massachusetts business trust. The Trust is registered under the Investment Company Act of 1940, as amended (the 1940 Act). It is a series company with multiple investment series, five of which are presented in this report (collectively, Lifestyle Blend Portfolios, or the portfolios and individually, the portfolio). The portfolios operate as “funds of funds” that may invest in affiliated underlying funds of the Trust, other funds in the John Hancock group of funds complex, non-John Hancock funds and certain other permitted investments.

The portfolios may offer multiple classes of shares. The shares currently offered by the portfolios are detailed in the Statements of assets and liabilities. Class A shares are open to all investors. Class R6 shares are only available to certain retirement plans, institutions and other investors. Class 1 shares are offered only to certain affiliates of Manulife Financial Corporation. Shareholders of each class have exclusive voting rights to matters that affect that class. The distribution and service fees, if any, and transfer agent fees for each class may differ.

The investment objectives of the portfolios are as follows:

Lifestyle Blend Aggressive Portfolio

To seek long-term growth of capital. Current income is not a consideration.

Lifestyle Blend Growth Portfolio

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

Lifestyle Blend 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.

Lifestyle Blend Moderate Portfolio

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

Lifestyle Blend Conservative Portfolio

To seek a high level of current income with some consideration given to growth of capital.

Effective February 1, 2023, the portfolios changed their names as follows:

Current Portfolio Name

Lifestyle Blend Aggressive Portfolio
Lifestyle Blend Growth Portfolio
Lifestyle Blend Balanced Portfolio
Lifestyle Blend Moderate Portfolio
Lifestyle Blend Conservative Portfolio

Former Portfolio Name

Multi-Index Lifestyle Aggressive Portfolio
Multi-Index Lifestyle Growth Portfolio
Multi-Index Lifestyle Balanced Portfolio
Multi-Index Lifestyle Moderate Portfolio
Multi-Index Lifestyle Conservative Portfolio

The accounting policies of the underlying funds in which the portfolios invest are outlined in the underlying funds’ shareholder reports, which include the underlying funds’ financial statements. These are available on the Securities and Exchange Commission (SEC) website at [sec.gov](https://www.sec.gov). John Hancock underlying funds’ shareholder reports are also available without charge by calling 800-225-5291 or visiting [jhinvestments.com](https://www.jhinvestments.com). The underlying funds are not covered by this report.

Note 2 — Significant accounting policies

The financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America (US GAAP), which require management to make certain estimates and assumptions as of the date of the financial statements. Actual results could differ from those estimates and those differences could be significant. The portfolios qualify as investment companies under Topic 946 of Accounting Standards Codification of US GAAP.

Events or transactions occurring after the end of the fiscal period through the date that the financial statements were issued have been evaluated in the preparation of the financial statements. The following summarizes the significant accounting policies of the portfolios:

Security valuation. Investments are stated at value as of the scheduled close of regular trading on the New York Stock Exchange (NYSE), normally at 4:00 P.M., Eastern Time. 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 net asset value (NAV) may be determined as of the regularly scheduled close of the NYSE pursuant to the Advisor’s Valuation Policies and Procedures.

In order to value the securities, the portfolios use the following valuation techniques: Investments by the portfolios in underlying affiliated funds and other open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day. Equity securities, including exchange-traded or closed-end funds, held by the portfolios are typically valued at the last sale price or official closing price on the exchange or principal market where the security trades. In the event there were no sales during the day or closing prices are not available, the securities are valued using the last available bid price. Debt obligations are typically valued based on evaluated prices provided by an independent pricing vendor. Independent pricing vendors utilize matrix pricing, which takes into account factors such as institutional-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, trading characteristics and other market data, as well as broker supplied prices.

In certain instances, the Pricing Committee of the Advisor 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.

Other portfolio securities and assets, for which reliable market quotations are not readily available, are valued at fair value as determined in good faith by the Pricing Committee following procedures established by the Advisor and adopted by the Board of Trustees. The frequency with which these fair valuation procedures are used cannot be predicted and fair value of securities may differ significantly from the value that would have been used had a ready market for such securities existed. Trading in foreign securities may be completed before the scheduled daily close of trading on the NYSE. Significant events at the issuer or market level may affect the values of securities between the time when the valuation of the securities is generally determined and the close of the NYSE. If a significant event occurs, these securities may be fair valued, as determined in good faith by the Pricing Committee, following procedures established by the Advisor and adopted by the Board of Trustees. The Advisor uses fair value adjustment factors provided by an independent pricing vendor to value certain foreign securities in order to adjust for events that may occur between the close of foreign exchanges or markets and the close of the NYSE.

The portfolios use a three tier hierarchy to prioritize the pricing assumptions, referred to as inputs, used in valuation techniques to measure fair value. Level 1 includes securities valued using quoted prices in active markets for identical securities, including registered investment companies. Level 2 includes securities valued using other significant observable inputs. Observable inputs may include quoted prices for similar securities, interest rates, prepayment speeds and credit risk. Prices for securities valued using these inputs are received from independent pricing vendors and brokers and are based on an evaluation of the inputs described. Level 3 includes securities valued using significant unobservable inputs when market prices are not readily available or reliable, including the Advisor's assumptions in determining the fair value of investments. Factors used in determining value may include market or issuer specific events or trends, changes in interest rates and credit quality. The inputs or methodology used for valuing securities are not necessarily an indication of the risks associated with investing in those securities. Changes in valuation techniques and related inputs may result in transfers into or out of an assigned level within the disclosure hierarchy.

The following is a summary of the values by input classification of the portfolios' investments as of February 28, 2023, by major security category or type:

	Total value at 2-28-23	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Lifestyle Blend Aggressive Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$262,445,218	\$262,445,218	—	—
Unaffiliated investment companies	197,466,288	197,466,288	—	—
Common stocks	11,561	—	\$1	\$11,560
U.S. Government and Agency obligations	5,194,898	—	5,194,898	—
Warrants	6,188	6,188	—	—
Short-term investments	1,853,753	1,853,753	—	—
Total investments in securities	\$466,977,906	\$461,771,447	\$5,194,899	\$11,560
Lifestyle Blend Growth Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$456,704,746	\$456,704,746	—	—
Unaffiliated investment companies	532,889,893	532,889,893	—	—
Common stocks	19,553	—	\$1	\$19,552
U.S. Government and Agency obligations	40,592,468	—	40,592,468	—
Warrants	10,465	10,465	—	—
Short-term investments	22,953,572	22,953,572	—	—
Total investments in securities	\$1,053,170,697	\$1,012,558,676	\$40,592,469	\$19,552
Lifestyle Blend Balanced Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$344,564,392	\$344,564,392	—	—
Unaffiliated investment companies	632,911,291	632,911,291	—	—
Common stocks	14,132	—	\$1	\$14,131
U.S. Government and Agency obligations	83,091,039	—	83,091,039	—
Warrants	7,564	7,564	—	—
Short-term investments	48,980,945	48,980,945	—	—
Total investments in securities	\$1,109,569,363	\$1,026,464,192	\$83,091,040	\$14,131

	Total value at 2-28-23	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Lifestyle Blend Moderate Portfolio				
Investments in securities:				
Assets				
Affiliated investment companies	\$67,584,111	\$67,584,111	—	—
Unaffiliated investment companies	233,618,084	233,618,084	—	—
Common stocks	2,711	—	—	\$2,711
U.S. Government and Agency obligations	26,354,499	—	\$26,354,499	—
Warrants	1,452	1,452	—	—
Short-term investments	23,015,797	23,015,797	—	—
Total investments in securities	\$350,576,654	\$324,219,444	\$26,354,499	\$2,711

Lifestyle Blend Conservative Portfolio

Investments in securities:				
Assets				
Affiliated investment companies	\$24,054,460	\$24,054,460	—	—
Unaffiliated investment companies	234,961,738	234,961,738	—	—
Common stocks	962	—	—	\$962
U.S. Government and Agency obligations	24,207,726	—	\$24,207,726	—
Warrants	516	516	—	—
Short-term investments	27,755,364	27,755,364	—	—
Total investments in securities	\$310,980,766	\$286,772,078	\$24,207,726	\$962

Level 3 includes securities valued at \$0. Refer to Portfolios' investments.

Inflation-indexed bonds. Inflation-indexed bonds are securities that generally have a lower coupon interest rate fixed at issuance but whose principal value is periodically adjusted based on a rate of inflation, such as the Consumer Price Index. Over the life of an inflation-indexed bond, interest is paid on the inflation adjusted principal value as described above. Increases in the principal amount of these securities are recorded as interest income. Decreases in the principal amount of these securities may reduce interest income to the extent of income previously recorded. If these decreases are in excess of income previously recorded, an adjustment to the cost of the security is made.

Stripped securities. Stripped securities are financial instruments structured to separate principal and interest cash flows so that one class receives principal payments from the underlying assets (PO or principal only), while the other class receives the interest cash flows (IO or interest only). Both PO and IO investments represent an interest in the cash flows of an underlying stripped security. If the underlying assets experience greater than anticipated prepayments of principal, the portfolios may fail to fully recover its initial investment in an IO security. The market value of these securities can be extremely volatile in response to changes in interest rates or prepayments on the underlying securities. In addition, these securities present additional credit risk such that the portfolios may not receive all or part of its principal or interest payments because the borrower or issuer has defaulted on its obligation.

Security transactions and related investment income. Investment security transactions are accounted for on a trade date plus one basis for daily NAV calculations. However, for financial reporting purposes, investment transactions are reported on trade date. Interest income is accrued as earned. Interest income includes coupon interest and amortization/accretion of premiums/discounts on debt securities. Debt obligations may be placed in a non-accrual status and related interest income may be reduced by stopping current accruals and writing off interest receivable when the collection of all or a portion of interest has become doubtful. Capital gain distributions from underlying funds are recorded on ex-date. Dividend income is recorded on ex-date, except for dividends of certain foreign securities where the dividend may not be known until after the ex-date. In those cases, dividend income, net of withholding taxes, is recorded when the portfolio becomes aware of the dividends. Non-cash dividends, if any, are recorded at the fair market value of the securities received. Gains and losses on securities sold are determined on the basis of identified cost and may include proceeds from litigation. Return of capital distributions from underlying funds, if any, are treated as a reduction of cost.

Securities lending. The portfolios may lend their securities to earn additional income. The portfolios receive collateral from the borrower in an amount not less than the market value of the loaned securities. The portfolios may invest their cash collateral in JHCT, an affiliate of the portfolios, which has a floating NAV and is registered with the SEC as an investment company. JHCT is a prime money market fund and invests in short-term money market investments. Each portfolio will receive the benefit of any gains and bear any losses generated by JHCT with respect to the cash collateral.

The portfolios have the right to recall loaned securities on demand. If a borrower fails to return loaned securities when due, then the lending agent is responsible and indemnifies the portfolios for the lent securities. The lending agent uses the collateral received from the borrower to purchase replacement securities of the same issue, type, class and series of the loaned securities. If the value of the collateral is less than the purchase cost of replacement securities, the lending agent is responsible for satisfying the shortfall but only to the extent that the shortfall is not due to any decrease in the value of JHCT.

Although the risk of loss on securities lent is mitigated by receiving collateral from the borrower and through lending agent indemnification, the portfolios could experience a delay in recovering securities or could experience a lower than expected return if the borrower fails to return the securities on a timely basis. During the

existence of the loan, the portfolios will receive from the borrower amounts equivalent to any dividends, interest or other distributions on the loaned securities, as well as interest on such amounts. The portfolios receive compensation for lending their securities by retaining a portion of the return on the investment of the collateral and compensation from fees earned from borrowers of the securities. Securities lending income received by the portfolios is net of fees retained by the securities lending agent. Net income received from JHCT is a component of securities lending income as recorded on the Statements of operations.

Obligations to repay collateral received by the portfolios are shown on the Statements of assets and liabilities as Payable upon return of securities loaned and are secured by the loaned securities. The following table summarizes the values of securities loaned by the portfolios and the corresponding cash collateral received at February 28, 2023:

Portfolio	Market value of securities on loan	Cash collateral received
Lifestyle Blend Aggressive Portfolio	\$1,356,728	\$1,383,934
Lifestyle Blend Growth Portfolio	21,804,609	22,262,131
Lifestyle Blend Balanced Portfolio	48,005,322	49,132,636
Lifestyle Blend Moderate Portfolio	22,512,627	23,024,356
Lifestyle Blend Conservative Portfolio	26,838,555	27,509,143

Foreign investing. Assets, including investments, and liabilities denominated in foreign currencies are translated into U.S. dollar values each day at the prevailing exchange rate. Purchases and sales of securities, income and expenses are translated into U.S. dollars at the prevailing exchange rate on the date of the transaction. The effect of changes in foreign currency exchange rates on the value of securities is reflected as a component of the realized and unrealized gains (losses) on investments. Foreign investments are subject to a decline in the value of a foreign currency versus the U.S. dollar, which reduces the dollar value of securities denominated in that currency.

Portfolios that invest internationally generally carry more risk than portfolios that invest strictly in U.S. securities. Risks can result from differences in economic and political conditions, regulations, market practices (including higher transaction costs), accounting standards and other factors.

Overdraft. The portfolios may have the ability to borrow from banks for temporary or emergency purposes, including meeting redemption requests that otherwise might require the untimely sale of securities. Pursuant to the portfolios' custodian agreement, the custodian may loan money to the portfolios to make properly authorized payments. The portfolios are obligated to repay the custodian for any overdraft, including any related costs or expenses. The custodian may have a lien, security interest or security entitlement in any portfolio property that is not otherwise segregated or pledged, to the extent of any overdraft, and to the maximum extent permitted by law. Overdrafts at period end, if any, are presented under the caption Due to custodian in the Statements of assets and liabilities.

Line of credit. The portfolios and other affiliated funds have entered into a syndicated line of credit agreement with Citibank, N.A. as the administrative agent that enables them to participate in a \$1 billion unsecured committed line of credit. Excluding commitments designated for a certain fund and subject to the needs of all other affiliated funds, a portfolio can borrow up to an aggregate commitment amount of \$750 million, subject to asset coverage and other limitations as specified in the agreement. A commitment fee payable at the end of each calendar quarter, based on the average daily unused portion of each line of credit, is charged to each participating portfolio based on a combination of fixed and asset-based allocations and is reflected in Other expenses on the Statements of operations. For the six months ended February 28, 2023, the portfolios had no borrowings under the line of credit.

Commitment fees for the six months ended February 28, 2023 were as follows:

Portfolio	Commitment fee
Lifestyle Blend Aggressive Portfolio	\$2,164
Lifestyle Blend Growth Portfolio	2,990
Lifestyle Blend Balanced Portfolio	3,013
Lifestyle Blend Moderate Portfolio	1,948
Lifestyle Blend Conservative Portfolio	1,880

Expenses. Within the John Hancock group of funds complex, expenses that are directly attributable to an individual portfolio are allocated to such portfolio. Expenses that are not readily attributable to a specific portfolio are allocated among all portfolios in an equitable manner, taking into consideration, among other things, the nature and type of expense and the portfolio's relative net assets. Expense estimates are accrued in the period to which they relate and adjustments are made when actual amounts are known.

Class allocations. Income, common expenses and realized and unrealized gains (losses) are determined at the portfolio level and allocated daily to each class of shares based on the net assets of the class. Class-specific expenses, such as distribution and service fees, if any, and transfer agent fees, for all classes, are charged daily at the class level based on the net assets of each class and the specific expense rates applicable to each class.

Federal income taxes. Each portfolio intends to continue to qualify as a regulated investment company by complying with the applicable provisions of the Internal Revenue Code and will not be subject to federal income tax on taxable income that is distributed to shareholders. Therefore, no federal income tax provision is required.

As of August 31, 2022, the portfolios had no uncertain tax positions that would require financial statement recognition, derecognition or disclosure. The portfolios' federal tax returns are subject to examination by the Internal Revenue Service for a period of three years.

For federal income tax purposes, the costs of investments owned on February 28, 2023, including short-term investments, were as follows:

Portfolio	Aggregate cost	Unrealized appreciation	Unrealized (depreciation)	Net unrealized appreciation/ (depreciation)
Lifestyle Blend Aggressive Portfolio	\$500,754,191	\$9,066,683	\$(42,842,968)	\$(33,776,285)
Lifestyle Blend Growth Portfolio	1,125,151,407	27,052,994	(99,033,704)	(71,980,710)
Lifestyle Blend Balanced Portfolio	1,195,621,465	24,582,586	(110,634,688)	(86,052,102)
Lifestyle Blend Moderate Portfolio	379,891,595	4,757,013	(34,071,954)	(29,314,941)
Lifestyle Blend Conservative Portfolio	339,156,649	1,338,397	(29,514,280)	(28,175,883)

Distribution of income and gains. Distributions to shareholders from net investment income and net realized gains, if any, are recorded on the ex-date. Lifestyle Blend Balanced Portfolio, Lifestyle Blend Moderate Portfolio and Lifestyle Blend Conservative Portfolio generally declare and pay dividends from net investment income quarterly. All other funds generally declare and pay dividends from net investment income annually. All funds generally declare and pay capital gain distributions, if any, annually.

Distributions paid by the portfolios with respect to each class of shares are calculated in the same manner, at the same time and in the same amount, except for the effect of class level expenses that may be applied differently to each class.

Such distributions, on a tax basis, are determined in conformity with income tax regulations, which may differ from US GAAP. Distributions in excess of tax basis earnings and profits, if any, are reported in the portfolios' financial statements as a return of capital. The final determination of tax characteristics of the portfolio's distribution will occur at the end of the year and will subsequently be reported to shareholders. Short-term gains from underlying funds are treated as ordinary income for tax purposes.

Capital accounts within the financial statements are adjusted for permanent book-tax differences. These adjustments have no impact on net assets or the results of operations. Temporary book-tax differences, if any, will reverse in a subsequent period. Book-tax differences are primarily attributable to wash sale loss deferrals.

Note 3 — Guarantees and indemnifications

Under the Trust's organizational documents, its Officers and Trustees are indemnified against certain liabilities arising out of the performance of their duties to the Trust, including the portfolios. Additionally, in the normal course of business, the Trust enters into contracts with service providers that contain general indemnification clauses. The Trust's maximum exposure under these arrangements is unknown, as this would involve future claims that may be made against the Trust that have not yet occurred. The risk of material loss from such claims is considered remote.

Note 4 — Fees and transactions with affiliates

John Hancock Investment Management LLC (the Advisor) serves as investment advisor for the portfolios. John Hancock Investment Management Distributors LLC (the Distributor), an affiliate of the Advisor, serves as principal underwriter of the portfolios. The Advisor and the Distributor are indirect, principally owned subsidiaries of John Hancock Life Insurance Company (U.S.A.), which in turn is a subsidiary of Manulife Financial Corporation (MFC).

Management fee. The portfolios have an investment management agreement with the Advisor under which the portfolios pay a daily management fee to the Advisor as detailed below. The Advisor has a subadvisory agreement with Manulife Investment Management (US) LLC, an indirect, wholly owned subsidiary of MFC and an affiliate of the Advisor. The portfolios are not responsible for payment of the subadvisory fees.

The management fee has two components: (1) a fee on assets invested in a fund of the Trust or John Hancock Funds III (JHF III) (Assets in a fund of the Trust or JHF III); and (2) a fee on assets invested in investments other than a fund of the Trust or JHF III (Other assets). Aggregate net assets include the net assets of the portfolios, similar portfolios of John Hancock Variable Insurance Trust (JHVIT), and similar portfolios of the Trust. JHVIT funds are advised by an affiliate of the Advisor, John Hancock Variable Trust Advisers LLC and are distributed by an affiliate of the Advisor, John Hancock Distributors, LLC.

Management fees are determined in accordance with the following schedule:

	First \$7.5 billion of aggregate net assets	Excess over \$7.5 billion of aggregate net assets
Assets in a fund of the Trust or JHF III	0.050%	0.040%
Other assets	0.500%	0.490%

Expense reimbursements. The Advisor has contractually agreed to reduce its management fee and/or make payment to each portfolio in an amount equal to the amount by which "Other expenses" of each portfolio exceeds 0.05% of the average net assets of the portfolio. "Other expenses" means all of the expenses of the portfolio, excluding: management fees, taxes, brokerage commissions, interest expense, litigation and indemnification expenses and other extraordinary expenses not incurred in the ordinary course of the portfolio's business, class specific expenses, underlying fund expenses (acquired fund fees), and short dividend expense. This expense limitation shall continue in effect until December 31, 2023, unless renewed by mutual agreement of the portfolios and the Advisor.

In addition, the Advisor has voluntarily agreed to waive its advisory fee for each portfolio so that the aggregate advisory fee retained by the Advisor with respect to both the portfolio and its underlying investments after payment of subadvisory fees does not exceed 0.50% of the portfolios' first \$7.5 billion of average net assets and 0.49% of the portfolios' average net assets in excess of \$7.5 billion. The Advisor may terminate this voluntary waiver at any time upon notice to the portfolios.

For the six months ended February 28, 2023, the expense reductions under these agreements amounted to the following and are reflected as a reduction of total expenses in the Statements of operations:

Portfolio	Expense reimbursement by class			Total
	Class A	Class R6	Class 1	
Lifestyle Blend Aggressive Portfolio	\$1,499	\$432	\$12,841	\$14,772
Lifestyle Blend Growth Portfolio	2	4	94	100
Lifestyle Blend Balanced Portfolio	4	2	118	124
Lifestyle Blend Moderate Portfolio	6,422	497	22,503	29,422
Lifestyle Blend Conservative Portfolio	9,831	463	28,335	38,629

Expenses waived or reimbursed in the current fiscal period are not subject to recapture in future fiscal periods.

The investment management fees, including the impact of the waivers and reimbursements as described above, incurred for the six months ended February 28, 2023, were equivalent to a net annual effective rate of the portfolios' average daily net assets as follows:

Portfolio	Net Annual Effective Rate	Portfolio	Net Annual Effective Rate
Lifestyle Blend Aggressive Portfolio	0.23%	Lifestyle Blend Moderate Portfolio	0.38%
Lifestyle Blend Growth Portfolio	0.29%	Lifestyle Blend Conservative Portfolio	0.42%
Lifestyle Blend Balanced Portfolio	0.34%		

Accounting and legal services. Pursuant to a service agreement, the portfolios reimburse the Advisor for all expenses associated with providing the administrative, financial, legal, compliance, accounting and recordkeeping services to the portfolios, including the preparation of all tax returns, periodic reports to shareholders and regulatory reports, among other services. These expenses are allocated to each share class based on its relative net assets at the time the expense was incurred. These accounting and legal services fees incurred, for the six months ended February 28, 2023, amounted to an annual rate of 0.02% of the portfolios' average daily net assets.

Distribution and service plans. The portfolios have a distribution agreement with the Distributor. The portfolios have adopted distribution and service plans for certain classes as detailed below pursuant to Rule 12b-1 under the 1940 Act, to pay the Distributor for services provided as the distributor of shares of the portfolios. The portfolios may pay up to the following contractual rates of distribution and service fees under these arrangements, expressed as an annual percentage of average daily net assets for each class of the portfolios' shares:

Class	Rule 12b-1 Fee
Class A	0.30%
Class 1	0.05%

Sales charges. Class A shares are assessed up-front sales charges of up to 5.00% of net asset value for such shares. The following table summarizes the net up-front sales charges received by the Distributor during the six months ended February 28, 2023:

	Lifestyle Blend Aggressive Portfolio	Lifestyle Blend Growth Portfolio	Lifestyle Blend Balanced Portfolio	Lifestyle Blend Moderate Portfolio	Lifestyle Blend Conservative Portfolio
Total sales charges	\$1,903	\$2,078	\$1,753	\$285	\$1,069
Retained for printing prospectus, advertising and sales literature	326	354	297	44	164
Sales commission to unrelated broker-dealers	1,577	1,724	1,456	241	905

Class A shares may be subject to contingent deferred sales charges (CDSCs). Certain Class A shares purchased, including those that are acquired through purchases of \$1 million or more, and redeemed within one year of purchase are subject to a 1.00% sales charge. CDSCs are applied to the lesser of the current market value at the time of redemption or the original purchase cost of the shares being redeemed. Proceeds from CDSCs are used to compensate the Distributor for providing distribution-related services in connection with the sale of these shares. During the six months ended February 28, 2023, there were no CDSCs received by the Distributor for Class A shares.

Transfer agent fees. The John Hancock group of funds has a complex-wide transfer agent agreement with John Hancock Signature Services, Inc. (Signature Services), an affiliate of the Advisor. The transfer agent fees paid to Signature Services are determined based on the cost to Signature Services (Signature Services Cost) of providing recordkeeping services. It also includes out-of-pocket expenses, including payments made to third-parties for recordkeeping services provided to their clients who invest in one or more John Hancock funds. In addition, Signature Services Cost may be reduced by certain fees that Signature Services receives in connection with retirement and small accounts. Signature Services Cost is calculated monthly and allocated, as applicable, to five categories of share classes: Retail Share and Institutional Share Classes of Non-Municipal Bond Funds, Class R6 Shares, Retirement Share Classes and Municipal Bond Share Classes. Within each of these categories, the applicable costs are allocated to the affected John Hancock affiliated funds and/or classes, based on the relative average daily net assets.

Class level expenses. Class level expenses for the six months ended February 28, 2023 were as follows:

Portfolio	Class	Distribution and service fees	Transfer agent fees
Lifestyle Blend Aggressive Portfolio	Class A	\$66,927	\$24,948
	Class R6	—	599
	Class 1	97,130	—
	Total	\$164,057	\$25,547
Lifestyle Blend Growth Portfolio	Class A	\$147,987	\$55,241
	Class R6	—	1,041
	Class 1	217,448	—
	Total	\$365,435	\$56,282
Lifestyle Blend Balanced Portfolio	Class A	\$223,368	\$83,474
	Class R6	—	713
	Class 1	212,783	—
	Total	\$436,151	\$84,187
Lifestyle Blend Moderate Portfolio	Class A	\$99,487	\$37,199
	Class R6	—	235
	Class 1	59,609	—
	Total	\$159,096	\$37,434
Lifestyle Blend Conservative Portfolio	Class A	\$101,752	\$38,027
	Class R6	—	146
	Class 1	49,627	—
	Total	\$151,379	\$38,173

Trustee expenses. The portfolios compensate each Trustee who is not an employee of the Advisor or its affiliates. The costs of paying Trustee compensation and expenses are allocated to each portfolio based on their net assets relative to other funds within the John Hancock group of funds complex.

Note 5 — Portfolio share transactions

Transactions in portfolios' shares for the six months ended February 28, 2023 and for the year ended August 31, 2022 were as follows:

Lifestyle Blend Aggressive Portfolio	Six Months Ended 2-28-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	1,381,030	\$15,643,916	4,125,877	\$56,326,325
Distributions reinvested	516,573	5,315,539	140,010	2,003,541
Repurchased	(868,686)	(9,827,272)	(1,183,748)	(15,564,432)
Net increase	1,028,917	\$11,132,183	3,082,139	\$42,765,434
Class R6 shares				
Sold	80,827	\$910,434	721,627	\$9,635,790
Distributions reinvested	158,946	1,633,965	65,388	935,046
Repurchased	(159,151)	(1,713,792)	(413,498)	(5,325,653)
Net increase	80,622	\$830,607	373,517	\$5,245,183
Class 1 shares				
Sold	1,423,598	\$16,339,792	1,859,001	\$24,774,297
Distributions reinvested	4,566,348	46,896,397	2,451,775	35,035,864
Repurchased	(1,734,476)	(19,233,357)	(3,831,817)	(51,998,846)
Net increase	4,255,470	\$44,002,832	478,959	\$7,811,315
Total net increase	5,365,009	\$55,965,622	3,934,615	\$55,821,932

Lifestyle Blend Growth Portfolio	Six Months Ended 2-28-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	4,038,096	\$45,000,032	8,185,255	\$107,173,336
Distributions reinvested	1,149,935	11,648,838	245,890	3,383,450
Repurchased	(1,236,322)	(13,613,346)	(2,482,465)	(31,348,545)
Net increase	3,951,709	\$43,035,524	5,948,680	\$79,208,241
Class R6 shares				
Sold	72,694	\$804,993	750,550	\$9,379,375
Distributions reinvested	263,378	2,668,019	100,604	1,385,322
Repurchased	(213,561)	(2,286,188)	(221,437)	(2,901,268)
Net increase	122,511	\$1,186,824	629,717	\$7,863,429
Class 1 shares				
Sold	2,733,700	\$30,207,347	3,501,965	\$45,567,881
Distributions reinvested	9,744,356	98,515,443	4,894,656	67,301,517
Repurchased	(4,269,546)	(46,373,125)	(8,540,580)	(112,159,636)
Net increase (decrease)	8,208,510	\$82,349,665	(143,959)	\$709,762
Total net increase	12,282,730	\$126,572,013	6,434,438	\$87,781,432
Lifestyle Blend Balanced Portfolio	Six Months Ended 2-28-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	7,313,736	\$76,207,780	12,452,458	\$150,689,139
Distributions reinvested	1,444,333	14,007,471	346,418	4,343,222
Repurchased	(2,308,900)	(23,872,043)	(3,295,718)	(38,646,063)
Net increase	6,449,169	\$66,343,208	9,503,158	\$116,386,298
Class R6 shares				
Sold	44,437	\$466,025	331,329	\$3,837,817
Distributions reinvested	152,544	1,478,519	89,685	1,129,499
Repurchased	(113,156)	(1,151,187)	(305,821)	(3,678,333)
Net increase	83,825	\$793,357	115,193	\$1,288,983
Class 1 shares				
Sold	3,082,887	\$31,804,756	3,743,294	\$44,052,205
Distributions reinvested	7,970,979	77,182,729	5,121,752	64,509,406
Repurchased	(4,401,553)	(45,746,778)	(9,594,117)	(117,146,364)
Net increase (decrease)	6,652,313	\$63,240,707	(729,071)	\$(8,584,753)
Total net increase	13,185,307	\$130,377,272	8,889,280	\$109,090,528
Lifestyle Blend Moderate Portfolio	Six Months Ended 2-28-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	3,680,527	\$36,696,654	6,079,218	\$68,475,220
Distributions reinvested	389,305	3,720,858	143,574	1,661,090
Repurchased	(1,224,646)	(12,152,174)	(2,075,531)	(22,676,098)
Net increase	2,845,186	\$28,265,338	4,147,261	\$47,460,212
Class R6 shares				
Sold	22,032	\$219,886	186,695	\$2,100,968
Distributions reinvested	30,571	292,159	21,996	255,860
Repurchased	(17,407)	(172,486)	(36,890)	(424,458)
Net increase	35,196	\$339,559	171,801	\$1,932,370

Lifestyle Blend Moderate Portfolio , Cont'd

	Six Months Ended 2-28-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	1,312,782	\$13,197,965	2,268,359	\$25,663,683
Distributions reinvested	1,378,615	13,175,004	1,279,965	14,930,227
Repurchased	(1,919,900)	(18,868,577)	(3,850,681)	(43,470,223)
Net increase (decrease)	771,497	\$7,504,392	(302,357)	\$(2,876,313)
Total net increase	3,651,879	\$36,109,289	4,016,705	\$46,516,269

Lifestyle Blend Conservative Portfolio

	Six Months Ended 2-28-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	3,330,670	\$31,684,722	7,073,008	\$74,855,657
Distributions reinvested	246,773	2,282,527	151,037	1,613,309
Repurchased	(1,471,752)	(13,973,641)	(1,987,969)	(20,542,617)
Net increase	2,105,691	\$19,993,608	5,236,076	\$55,926,349
Class R6 shares				
Sold	17,091	\$162,442	119,508	\$1,219,255
Distributions reinvested	12,272	113,445	14,038	152,033
Repurchased	(7,185)	(68,599)	(59,987)	(654,259)
Net increase	22,178	\$207,288	73,559	\$717,029
Class 1 shares				
Sold	1,598,730	\$15,187,190	2,949,270	\$31,320,497
Distributions reinvested	752,074	6,950,403	1,091,698	11,844,103
Repurchased	(1,369,746)	(12,958,576)	(3,442,853)	(36,536,084)
Net increase	981,058	\$9,179,017	598,115	\$6,628,516
Total net increase	3,108,927	\$29,379,913	5,907,750	\$63,271,894

Affiliates of the Trust owned 100% of shares of Class 1 on February 28, 2023. Such concentration of shareholders' capital could have a material effect on the portfolios if such shareholders redeem from the portfolios.

Note 6 — Purchase and sale of securities

Purchases and sales of securities, other than short-term investments, amounted to the following for the six months ended February 28, 2023:

Portfolio	Purchases		Sales	
	U.S. Government	Other issuers	U.S. Government	Other issuers
Lifestyle Blend Aggressive Portfolio	\$1,731,650	\$40,209,825	\$789,162	\$30,155,323
Lifestyle Blend Growth Portfolio	12,414,574	94,453,366	7,558,278	66,820,853
Lifestyle Blend Balanced Portfolio	24,070,033	120,321,909	14,370,681	73,812,819
Lifestyle Blend Moderate Portfolio	7,948,046	49,152,066	4,661,694	28,100,550
Lifestyle Blend Conservative Portfolio	7,236,849	45,443,210	4,940,439	23,479,208

Note 7 — Investment in affiliated underlying funds

Certain portfolios invest primarily in affiliated underlying funds that are managed by the Advisor and its affiliates. The portfolios do not invest in the affiliated underlying funds for the purpose of exercising management or control; however, the portfolios' investment may represent a significant portion of each affiliated underlying funds' net assets. At February 28, 2023, the following portfolios held 5% or more of the net assets of the affiliated underlying funds shown below:

Portfolio	Affiliated Fund	Percentage of underlying fund net assets
Lifestyle Blend Growth Portfolio	John Hancock Funds II U.S. Sector Rotation Fund	5.8%
Lifestyle Blend Growth Portfolio	John Hancock Funds II International Strategic Equity Allocation Fund	5.0%

Information regarding the portfolios' fiscal year to date purchases and sales of the affiliated underlying funds as well as income and capital gains earned by the portfolios, if any, is as follows:

							Dividends and distributions		
	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Income distributions received	Capital gain distributions received	Ending value
Lifestyle Blend Aggressive Portfolio									
International Strategic Equity Allocation	13,357,825	\$110,269,765	\$11,421,701	\$(7,630,695)	\$(882,032)	\$6,373,798	\$2,664,969	—	\$119,552,537
John Hancock Collateral Trust*	185,459	1,640,245	61,642,581	(61,430,022)	904	45	9,111	—	1,853,753
U.S. Sector Rotation	17,051,633	145,043,629	7,785,845	(6,966,145)	(1,092,926)	(1,877,722)	1,403,393	\$2,446,577	142,892,681
					\$(1,974,054)	\$4,496,121	\$4,077,473	\$2,446,577	\$264,298,971
Lifestyle Blend Growth Portfolio									
International Strategic Equity Allocation	23,048,134	\$191,236,887	\$16,278,630	\$(11,022,560)	\$(1,096,788)	\$10,884,634	\$4,597,537	—	\$206,280,803
John Hancock Collateral Trust*	2,296,391	33,321,704	233,304,872	(243,670,690)	(12,589)	10,275	230,673	—	22,953,572
U.S. Sector Rotation	29,883,525	249,004,767	13,628,423	(7,380,431)	(1,025,252)	(3,803,564)	2,428,018	\$4,232,838	250,423,943
					\$(2,134,629)	\$7,091,345	\$7,256,228	\$4,232,838	\$479,658,318
Lifestyle Blend Balanced Portfolio									
International Strategic Equity Allocation	17,520,814	\$142,932,974	\$15,038,982	\$(8,678,765)	\$(808,917)	\$8,327,014	\$3,432,067	—	\$156,811,288
John Hancock Collateral Trust*	4,900,300	89,371,209	302,324,687	(342,701,044)	(24,516)	10,609	501,412	—	48,980,945
U.S. Sector Rotation	22,404,905	184,727,022	13,763,952	(7,309,449)	(1,027,110)	(2,401,311)	1,836,484	\$3,201,598	187,753,104
					\$(1,860,543)	\$5,936,312	\$5,769,963	\$3,201,598	\$393,545,337
Lifestyle Blend Moderate Portfolio									
International Strategic Equity Allocation	3,514,048	\$28,003,946	\$3,535,648	\$(1,550,762)	\$(238,797)	\$1,700,692	\$681,320	—	\$31,450,727
John Hancock Collateral Trust*	2,302,616	37,572,000	192,682,103	(207,238,084)	(3,607)	3,385	252,505	—	23,015,797
U.S. Sector Rotation	4,311,860	36,300,225	4,120,493	(3,585,022)	(562,434)	(139,878)	370,365	\$645,670	36,133,384
					\$(804,838)	\$1,564,199	\$1,304,190	\$645,670	\$90,599,908
Lifestyle Blend Conservative Portfolio									
International Strategic Equity Allocation	1,305,148	\$10,181,763	\$2,139,056	\$(1,203,918)	\$(187,571)	\$751,747	\$250,145	—	\$11,681,077
John Hancock Collateral Trust*	2,776,786	39,033,032	189,932,453	(201,208,617)	(3,855)	2,351	240,319	—	27,755,364

Affiliate	Ending share amount	Beginning value	Cost of purchases	Proceeds from shares sold	Realized gain (loss)	Change in unrealized appreciation (depreciation)	Dividends and distributions		Ending value
							Income distributions received	Capital gain distributions received	
U.S. Sector Rotation	1,476,537	\$13,247,923	\$2,186,727	\$(2,824,873)	\$(454,384)	\$217,990	\$137,106	\$239,022	\$12,373,383
					\$(645,810)	\$972,088	\$627,570	\$239,022	\$51,809,824

* Refer to the Securities lending note within Note 2 for details regarding this investment.

SPECIAL SHAREHOLDER MEETING

(Unaudited)

The portfolios held a Special Joint Meeting of Shareholders on Friday, September 9, 2022. The following proposals were considered by the shareholders:

Proposal 1: To elect eight Trustees as members of the Board of Trustees of the Trust.

THE PROPOSAL PASSED ON September 9, 2022.

	Total votes for the nominee	Total votes withheld from the nominee
Independent Trustees		
James R. Boyle	4,554,825,588.937	109,369,198.953
Noni L. Ellison	4,545,310,789.674	118,883,998.216
Dean C. Garfield	4,542,518,756.422	121,676,031.468
Patricia Lizarraga	4,547,597,042.403	116,597,745.487
Frances G. Rathke	4,553,474,902.143	110,719,885.747
Non-Independent Trustees		
Andrew G. Arnott	4,548,263,383.010	115,931,404.880
Marianne Harrison	4,552,282,391.834	111,912,396.056
Paul Lorentz	4,546,227,532.263	117,967,255.627

Proposal 2: To approve an amendment to the Declaration of Trust revising merger approval requirements.

THE PROPOSAL PASSED ON September 9, 2022.

	Shares voted	% Of shares voted	% Of outstanding shares
For	4,061,202,897.967	87.072%	64.635%
Against	75,620,339.593	1.622%	1.203%
Abstain/Withheld	92,916,059.460	1.992%	1.478%
Broker Non-Vote	434,455,490.870	9.314%	6.914%

More information

Trustees

Hassell H. McClellan, *Chairperson*
Steven R. Pruchansky, *Vice Chairperson*
Andrew G. Arnott[†]
James R. Boyle
William H. Cunningham^{*}
Grace K. Fey
Noni L. Ellison[^]
Dean C. Garfield[^]
Marianne Harrison[†]
Deborah C. Jackson
Patricia Lizarraga^{*,^}
Paul Lorentz[‡]
Frances G. Rathke^{*}
Gregory A. Russo

Officers

Andrew G. Arnott
President
Charles A. Rizzo
Chief Financial Officer
Salvatore Schiavone
Treasurer
Christopher (Kit) Sechler
Secretary and Chief Legal Officer
Trevor Swanberg
Chief Compliance Officer

[†] Non-Independent Trustee

^{*} Member of the Audit Committee

[^] Elected to serve as Independent Trustee effective as of September 9, 2022.

[‡] Elected to serve as Non-Independent Trustee effective as of September 9, 2022.

¹ Effective January 1, 2023, Geoffrey Kelley and David Kobuszewski were added as portfolio managers of the portfolios.

The portfolios' proxy voting policies and procedures, as well as the fund proxy voting record for the most recent twelve-month period ended June 30, are available free of charge on the Securities and Exchange Commission (SEC) website at sec.gov or on our website.

All of the portfolios' holdings as of the end of the third month of every fiscal quarter are filed with the SEC on Form N-PORT within 60 days of the end of the fiscal quarter. The portfolios' Form N-PORT filings are available on our website and the SEC's website, sec.gov.

We make this information on your portfolio, as well as **monthly portfolio holdings**, and other portfolio details available on our website at jhinvestments.com or by calling 800-225-5291.

Investment advisor

John Hancock Investment Management LLC

Subadvisor

Manulife Investment Management (US) LLC

Portfolio Managers

Geoffrey Kelley, CFA¹
David Kobuszewski, CFA¹
Robert E. Sykes, CFA
Nathan W. Thooft, CFA

Principal distributor

John Hancock Investment Management Distributors LLC

Custodian

State Street Bank and Trust Company

Transfer agent

John Hancock Signature Services, Inc.

Legal counsel

K&L Gates LLP

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John Hancock family of funds

U.S. EQUITY FUNDS

Blue Chip Growth
Classic Value
Disciplined Value
Disciplined Value Mid Cap
Equity Income
Financial Industries
Fundamental All Cap Core
Fundamental Large Cap Core
Mid Cap Growth
New Opportunities
Regional Bank
Small Cap Core
Small Cap Growth
Small Cap Value
U.S. Global Leaders Growth
U.S. Growth

INTERNATIONAL EQUITY FUNDS

Disciplined Value International
Emerging Markets
Emerging Markets Equity
Fundamental Global Franchise
Global Environmental Opportunities
Global Equity
Global Shareholder Yield
Global Thematic Opportunities
International Dynamic Growth
International Growth
International Small Company

FIXED-INCOME FUNDS

Bond
California Municipal Bond
Emerging Markets Debt
Floating Rate Income
Government Income
High Yield
High Yield Municipal Bond
Income
Investment Grade Bond
Money Market
Municipal Opportunities
Opportunistic Fixed Income
Short Duration Bond
Short Duration Municipal Opportunities
Strategic Income Opportunities

ALTERNATIVE FUNDS

Alternative Asset Allocation
Diversified Macro
Infrastructure
Multi-Asset Absolute Return
Real Estate Securities
Seaport Long/Short

A fund's investment objectives, risks, charges, and expenses should be considered carefully before investing. The prospectus contains this and other important information about the fund. To obtain a prospectus, contact your financial professional, call John Hancock Investment Management at 800-225-5291, or visit our website at jhinvestments.com. Please read the prospectus carefully before investing or sending money.

EXCHANGE-TRADED FUNDS

John Hancock Corporate Bond ETF
John Hancock International High Dividend ETF
John Hancock Mortgage-Backed Securities ETF
John Hancock Multifactor Developed International ETF
John Hancock Multifactor Emerging Markets ETF
John Hancock Multifactor Large Cap ETF
John Hancock Multifactor Mid Cap ETF
John Hancock Multifactor Small Cap ETF
John Hancock Preferred Income ETF
John Hancock U.S. High Dividend ETF

ASSET ALLOCATION/TARGET DATE FUNDS

Balanced
Multi-Asset High Income
Lifestyle Blend Portfolios
Lifetime Blend Portfolios
Multimanager Lifestyle Portfolios
Multimanager Lifetime Portfolios
Preservation Blend Portfolios

ENVIRONMENTAL, SOCIAL, AND GOVERNANCE FUNDS

ESG Core Bond
ESG International Equity
ESG Large Cap Core

CLOSED-END FUNDS

Asset-Based Lending
Financial Opportunities
Hedged Equity & Income
Income Securities Trust
Investors Trust
Preferred Income
Preferred Income II
Preferred Income III
Premium Dividend
Tax-Advantaged Dividend Income
Tax-Advantaged Global Shareholder Yield

John Hancock ETF shares are bought and sold at market price (not NAV), and are not individually redeemed from the fund. Brokerage commissions will reduce returns.

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A trusted brand

John Hancock Investment Management is a premier asset manager with a heritage of financial stewardship dating back to 1862. Helping our shareholders pursue their financial goals is at the core of everything we do. It's why we support the role of professional financial advice and operate with the highest standards of conduct and integrity.

A better way to invest

We serve investors globally through a unique multimanager approach: We search the world to find proven portfolio teams with specialized expertise for every strategy we offer, then we apply robust investment oversight to ensure they continue to meet our uncompromising standards and serve the best interests of our shareholders.

Results for investors

Our unique approach to asset management enables us to provide a diverse set of investments backed by some of the world's best managers, along with strong risk-adjusted returns across asset classes.

"A trusted brand" is based on a survey of 6,651 respondents conducted by Medallia between 3/18/20 and 5/13/20.



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