

Annual report

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

Asset allocation

August 31, 2023

A message to shareholders



Dear shareholder,

Global equities shook off a number of concerns to register gains during the 12 months ended August 31, 2023. Although central banks continued to raise interest rates, falling inflation gave investors confidence that the tightening cycle would likely recede at some point within the next year. In addition, continued global growth fueled optimism that the world economy would experience a soft landing rather than a recession. Corporate earnings also came in much better than the markets had been anticipating in late 2022. A large portion of the gain for the major world indexes came from a narrow group of U.S. mega-cap, technology-related companies. European equities also performed very well, reflecting better-than-expected economic conditions. Value stocks, defensive sectors, smaller companies, and the emerging markets posted gains but underperformed the broad-based indexes.

The global bond markets struggled in the rising-rate environment. While credit-sensitive market segments such as high-yield bonds and emerging-market debt held up well, the benefit was outweighed by pronounced weakness in longer-term government issues in the developed markets.

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,

A handwritten signature in black ink, appearing to read 'Kristie M. Feinberg'.

Kristie M. Feinberg

Head of Wealth and Asset Management,
United States and Europe
Manulife Investment Management

President and CEO,
John Hancock Investment Management

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

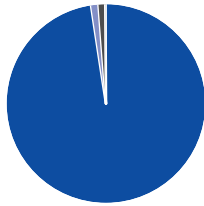
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Lifestyle Blend Portfolios at a glance

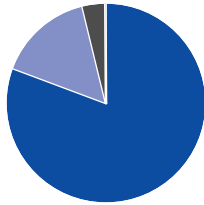
PORTFOLIO ALLOCATION AS OF 8/31/2023 (% of net assets)

HIGHER POTENTIAL
RETURN AND RISK



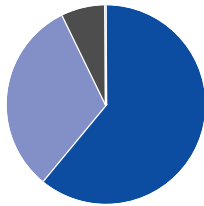
Lifestyle Blend Aggressive Portfolio

Equity	97.6
Fixed income	1.2
U.S. Government	1.1
Short-term investments and other	0.1



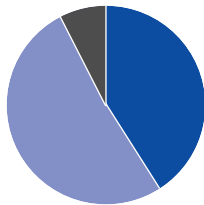
Lifestyle Blend Growth Portfolio

Equity	80.7
Fixed income	15.5
U.S. Government	3.7
Short-term investments and other	0.1



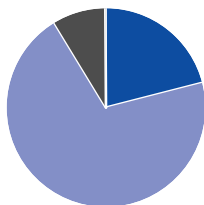
Lifestyle Blend Balanced Portfolio

Equity	61.0
Fixed income	31.8
U.S. Government	7.1
Short-term investments and other	0.1



Lifestyle Blend Moderate Portfolio

Equity	41.0
Fixed income	51.5
U.S. Government	7.5



Lifestyle Blend Conservative Portfolio

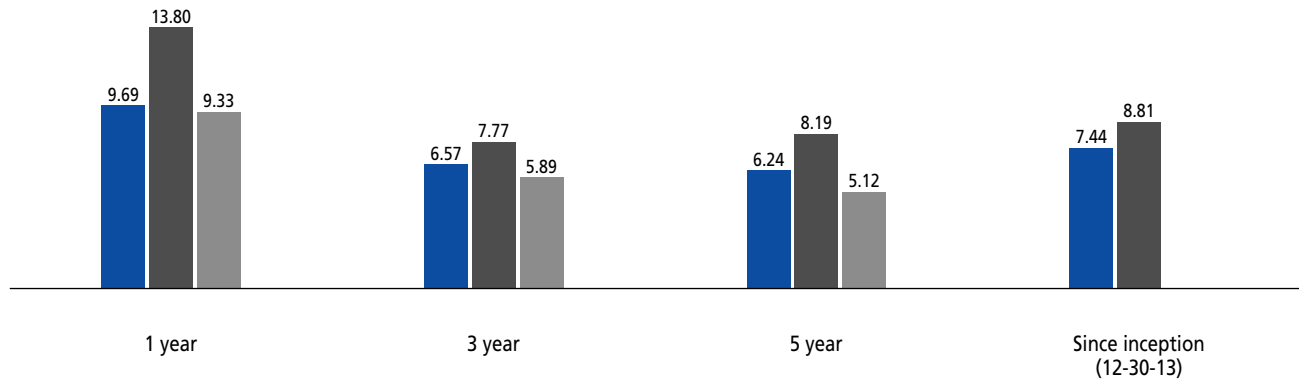
Equity	21.0
Fixed income	70.3
U.S. Government	8.6
Short-term investments and other	0.1

LOWER POTENTIAL
RETURN AND RISK

AVERAGE ANNUAL TOTAL RETURNS AS OF 8/31/2023 (%)

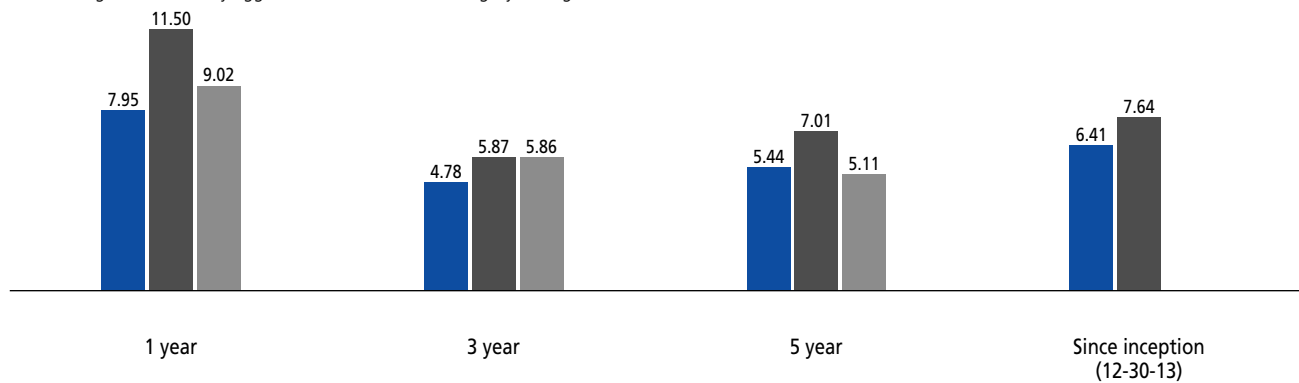
Lifestyle Blend Aggressive Portfolio

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



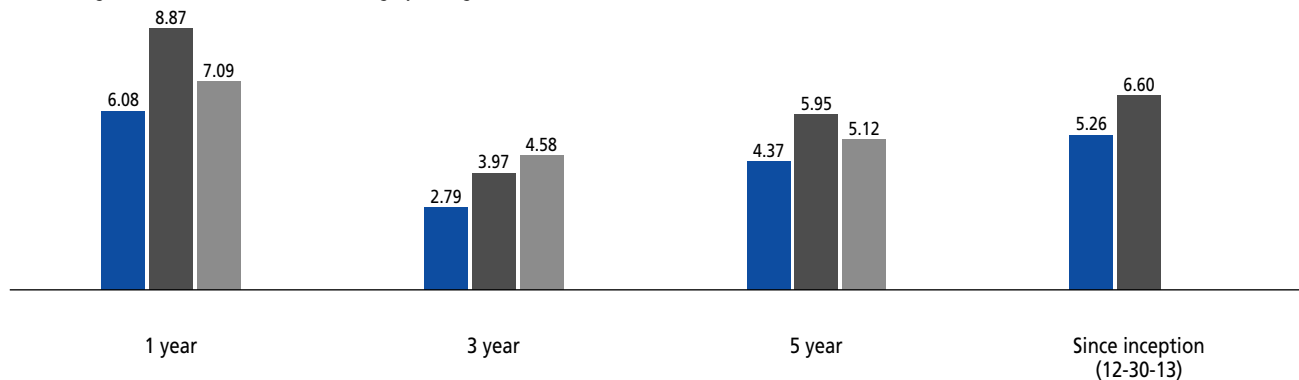
Lifestyle Blend Growth Portfolio

- Class A shares (without sales charge)
- Morningstar U.S. Moderately Aggressive Target Allocation Index
- Morningstar moderately aggressive allocation fund category average



Lifestyle Blend Balanced Portfolio

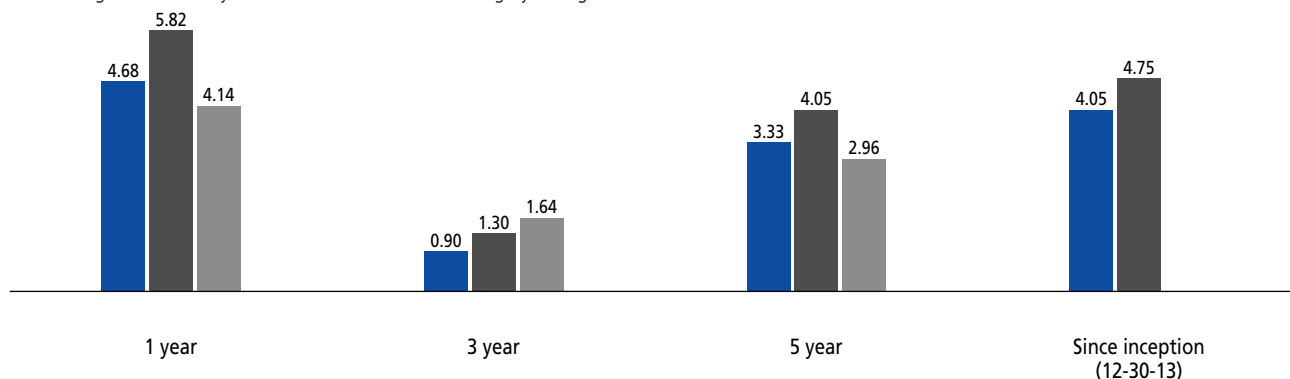
- Class A shares (without sales charge)
- Morningstar U.S. Moderate Target Allocation Index
- Morningstar moderate allocation fund category average



AVERAGE ANNUAL TOTAL RETURNS AS OF 8/31/2023 (%)

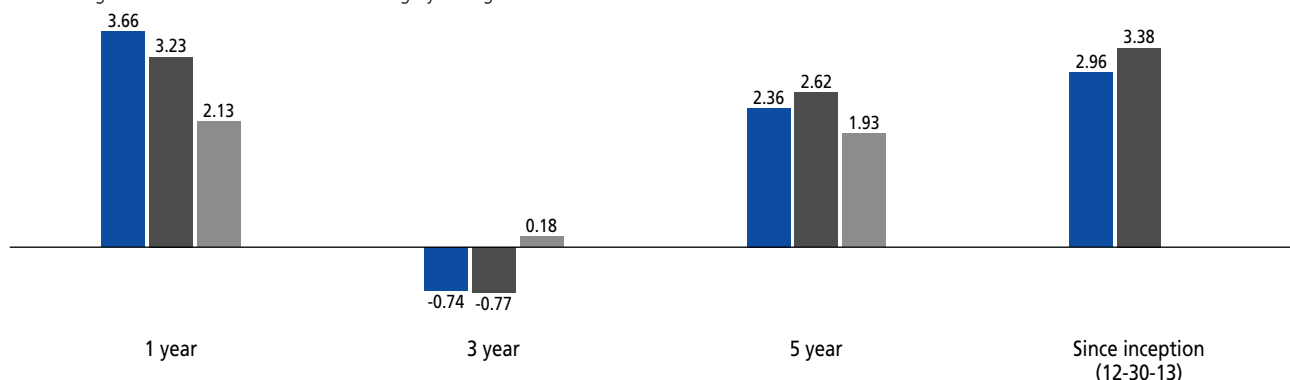
Lifestyle Blend Moderate Portfolio

- Class A shares (without sales charge)
- Morningstar U.S. Moderately Conservative Target Allocation Index
- Morningstar moderately conservative allocation fund category average



Lifestyle Blend Conservative Portfolio

- Class A shares (without sales charge)
- Morningstar U.S. Conservative Target Allocation Index
- Morningstar conservative 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.

Management's discussion of portfolio performance

Can you describe investment conditions during the 12 months ended August 31, 2023?

Financial assets produced mixed results during the period. On the positive side, global equities shook off a number of concerns to register a robust gain. Although central banks continued to raise interest rates, falling inflation gave investors confidence that the tightening cycle would likely recede at some point within the next year. In addition, continued global growth fueled optimism that the world economy would experience a soft landing rather than a recession. Corporate earnings also came in much better than the markets had been anticipating in late 2022. Together, these factors helped stocks overcome potential headwinds such as the ongoing armed conflict in Ukraine, short-lived turmoil in the U.S. and European banking sectors in March, and growing competition from rising yields on lower-risk investments.

A large portion of the gain for the major world indexes came from a narrow group of U.S. mega-cap, technology-related companies. European equities also performed very well, reflecting better-than-expected economic conditions in the region. On the other hand, value stocks, defensive sectors, smaller companies, and the emerging markets posted gains but underperformed the broad-based indexes. The relative weakness in emerging-market stocks reflected China's unexpectedly soft reopening from its stringent COVID-19 lockdown policies, as well as concerns about ongoing instability in the nation's real estate sector.

The global bond markets struggled in the rising-rate environment. While credit-sensitive categories such as high-yield bonds and emerging-market debt held up well, the benefit was outweighed by pronounced weakness in longer-term government issues in the developed markets.

What elements of the portfolios' positioning helped and hurt results?

All of the John Hancock Lifestyle Blend Portfolios delivered positive relative returns in the annual period; however, with the exception of John Hancock Lifestyle Blend Conservative Portfolio, all portfolios underperformed their respective benchmarks. Diversified indexes, including the portfolios' benchmarks, gained a substantial boost from the handful of strong-performing U.S. technology giants, while the portfolios faced a headwind to relative performance by being broadly diversified away from this area. However, it is important to keep in mind that our primary goal is to build a broad-based portfolio intended to outperform over full market cycles and not any specific 12-month period. We therefore maintained a steady approach designed to maximize diversification and augment long-term results.

With this as background, asset allocation was the largest detractor from performance across all portfolios, except John Hancock Lifestyle Conservative Portfolio. Most notably, the portfolios were hurt by an underweight in U.S. large-cap stocks and corresponding overweights in domestic small caps, domestic mid caps, and defensive equities. Although defensive stocks registered gains, they did not keep pace with the broader market given investors' robust appetite for risk. On the positive side, an underweight in emerging-market equities contributed to performance.

An allocation to real assets—which consists of real estate investment trusts (REITs), natural resource equities, and infrastructure stocks—detracted in all funds except John Hancock Lifestyle Blend Conservative Portfolio. While the resources sectors performed well, both REITs and infrastructure stocks were pressured by the rising-rate environment.

Asset allocation had a mixed effect on results in fixed income. Overweights in high yield bonds, senior loans, and emerging markets debt, together with an underweight in the rate-sensitive core bond category, contributed positively. However, an allocation to U.S. Treasury STRIPS was a meaningful detractor in all funds, except John Hancock Lifestyle Blend Conservative Portfolio, due to the category's above-average interest-rate sensitivity.

The majority of the individual investment products in the portfolios are passively implemented strategies. However, a limited number have the ability to make active allocations decisions regarding sectors, countries, and regions. This element of our strategy detracted from results across all portfolios.

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.

The views expressed in this report are exclusively those of the portfolio management team at Manulife Investment Management (US) LLC, and are subject to change. They are not meant as investment advice. Please note that the holdings discussed in this report may not have been held by the portfolio for the entire period. Portfolio composition is subject to review in accordance with the portfolio's investment strategy and may vary in the future. Current and future portfolio holdings are subject to risk.

MANAGED BY

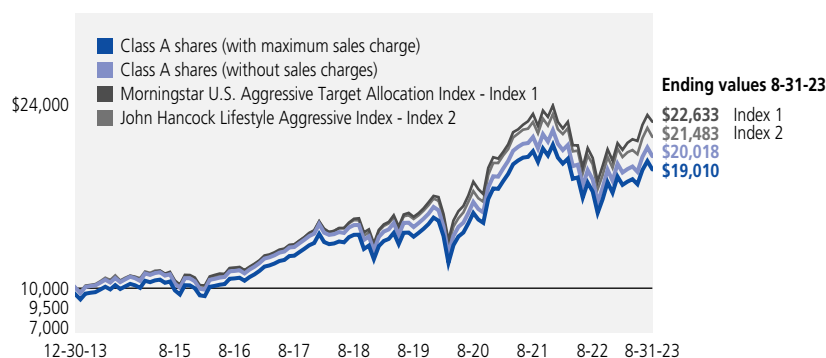
Nathan W. Thooft, CFA
Robert E. Sykes, CFA
Geoffrey Kelley, CFA
David Kobuszewski, CFA

Manulife Investment Management

Lifestyle Blend Aggressive Portfolio

GROWTH OF \$10,000

This chart shows what happened to a hypothetical \$10,000 investment in John Hancock Lifestyle Blend Aggressive Portfolio for the periods indicated, assuming all distributions were reinvested. For comparison, we've shown the same investment in a blended index and a separate index.



Index 1 is the Morningstar U.S. Aggressive Target Allocation Index which seeks 92.5% exposure to global equity markets from a diversified mix of stocks and bonds.

Index 2 is the John Hancock Lifestyle Aggressive Index which comprises 44.1% of the S&P 500 Index, 16.2% of the MSCI World ex-USA Index, 18.9% of the Russell 2500 Index, 10.8% of the MSCI Emerging Markets Index, 5.0% of the John Hancock Real Asset Blended Index, 0.5% of the ICE BofA U.S. High Yield Index, 0.5% of the JP Morgan EMBI Global Index, and 4.0% of the ICE BofA Long U.S. STRIPS Index.

PERFORMANCE CHART

Total returns with maximum sales charge for the period ended 8-31-23 (%)

	Class A ¹ 12-30-13	Class R6 ² 12-30-13	Class 1 ² 12-30-13	Index 1 12-30-13	Index 2 12-30-13
Inception					
Average annual total returns					
1 year	4.24	10.16	10.02	13.80	10.75
5 year	5.16	6.48	6.40	8.19	7.21
Since inception	6.87	7.57	7.52	8.81	8.23
Cumulative returns					
5 year	28.59	36.85	36.37	48.25	41.64
Since inception	90.10	102.50	101.68	126.33	114.83

Performance figures assume all distributions have been reinvested. Returns with maximum sales charge reflect a sales charge on Class A shares of 5%. Sales charges are not applicable to Class R6 and Class 1 shares.

The expense ratios of the portfolio, both net (including any fee waivers and/or expense limitations) and gross (excluding any fee waivers and/or expense limitations), are set forth according to the most recent publicly available prospectuses for the portfolio and may differ from those disclosed in the Financial highlights tables in this report. Net expenses reflect contractual expense limitations in effect until December 31, 2023 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expenses would apply. The following expense ratios include expenses of the underlying funds in which the portfolio invests. The expense ratios are as follows:

	Class A	Class R6	Class 1
Gross (%)	1.03	0.62	0.66
Net (%)	1.03	0.62	0.66

Please refer to the most recent prospectus and annual or semiannual report for more information on expenses and any expense limitation arrangements for each class.

The returns reflect past results and should not be considered indicative of future performance. The return and principal value of an investment will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Due to market volatility and other factors, the portfolio's current performance may be higher or lower than the performance shown. For current to the most recent month-end performance data, please call 800-225-5291 or visit the portfolio's website at jhinvestments.com.

The performance information does not reflect the deduction of taxes that a shareholder would pay on portfolio distributions or the redemption of portfolio shares. The portfolio's performance results reflect any applicable fee waivers or expense reductions, without which the expenses would increase and results would have been less favorable.

¹ 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.

² For certain types of investors, as described in the portfolio's prospectuses.

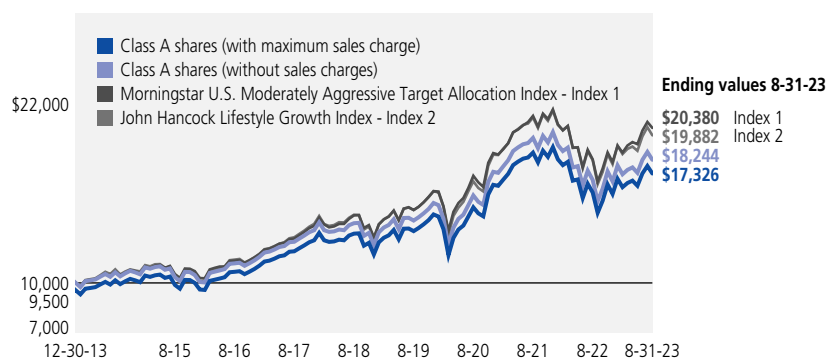
ASSET ALLOCATION (% of net assets)

Affiliated investment companies	57.2
Equity	57.2
Large blend	31.1
International equity	26.1
Unaffiliated investment companies	41.6
Equity	40.4
Fixed income	1.2
U.S. Government	1.1
Short-term investments and other	0.1

Lifestyle Blend Growth Portfolio

GROWTH OF \$10,000

This chart shows what happened to a hypothetical \$10,000 investment in John Hancock Lifestyle Blend Growth Portfolio for the periods indicated, assuming all distributions were reinvested. For comparison, we've shown the same investment in a blended index and a separate index.



Index 1 is the Morningstar U.S. Moderately Aggressive Target Allocation Index which seeks 77.5% exposure to global equity markets from a diversified mix of stocks and bonds.

Index 2 is the John Hancock Lifestyle Growth Index which comprises 37.2% of the S&P 500 Index, 13.7% of the MSCI World ex-USA Index, 16.0% of the Russell 2500 Index, 9.1% of the MSCI Emerging Markets Index, 4.0% of the John Hancock Real Asset Blended Index, 1.5% of the ICE BofA U.S. High Yield Index, 1.5% of the JP Morgan EMBI Global Index, 1.5% of the S&P/LSTA Leveraged Loan Index, 9.5% of the Bloomberg U.S. Aggregate Bond Index, 4.0% of the ICE BofA Long U.S. STRIPS Index, and 2.0% of the Bloomberg 1-5 Year TIPS Index.

PERFORMANCE CHART

Total returns with maximum sales charge for the period ended 8-31-23 (%)

	Class A ¹ 12-30-13	Class R6 ² 12-30-13	Class 1 ² 12-30-13	Index 1 12-30-13	Index 2 12-30-13
Inception					
Average annual total returns					
1 year	2.54	8.51	8.39	11.50	9.14
5 year	4.36	5.67	5.62	7.01	6.42
Since inception	5.85	6.55	6.51	7.64	7.36
Cumulative returns					
5 year	23.81	31.72	31.44	40.34	36.49
Since inception	73.26	84.70	84.00	103.80	98.82

Performance figures assume all distributions have been reinvested. Returns with maximum sales charge reflect a sales charge on Class A shares of 5%. Sales charges are not applicable to Class R6 and Class 1 shares.

The expense ratios of the portfolio, both net (including any fee waivers and/or expense limitations) and gross (excluding any fee waivers and/or expense limitations), are set forth according to the most recent publicly available prospectuses for the portfolio and may differ from those disclosed in the Financial highlights tables in this report. Net expenses reflect contractual expense limitations in effect until December 31, 2023 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expenses would apply. The following expense ratios include expenses of the underlying funds in which the portfolio invests. The expense ratios are as follows:

	Class A	Class R6	Class 1
Gross (%)	1.04	0.63	0.67
Net (%)	1.04	0.63	0.67

Please refer to the most recent prospectus and annual or semiannual report for more information on expenses and any expense limitation arrangements for each class.

The returns reflect past results and should not be considered indicative of future performance. The return and principal value of an investment will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Due to market volatility and other factors, the portfolio's current performance may be higher or lower than the performance shown. For current to the most recent month-end performance data, please call 800-225-5291 or visit the portfolio's website at jhinvestments.com.

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² For certain types of investors, as described in the portfolio's prospectuses.

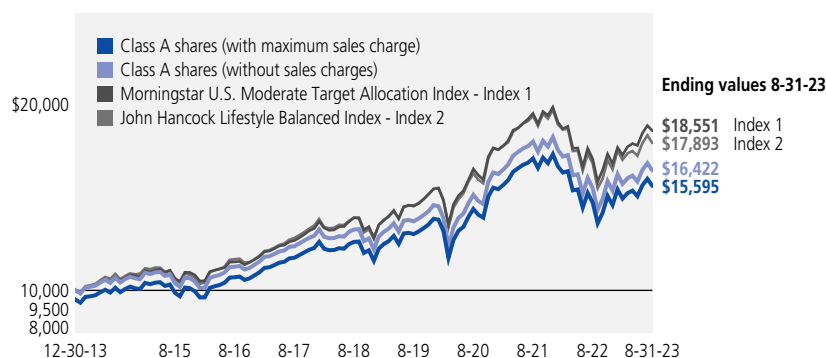
ASSET ALLOCATION (% of net assets)

Affiliated investment companies	45.1
Equity	45.1
Large blend	24.6
International equity	20.5
Unaffiliated investment companies	51.1
Equity	35.6
Fixed income	15.5
U.S. Government	3.7
Short-term investments and other	0.1

Lifestyle Blend Balanced Portfolio

GROWTH OF \$10,000

This chart shows what happened to a hypothetical \$10,000 investment in John Hancock Lifestyle Blend Balanced Portfolio for the periods indicated, assuming all distributions were reinvested. For comparison, we've shown the same investment in a blended index and a separate index.



Index 1 is the Morningstar U.S. Moderate Target Allocation Index which seeks 60% exposure to global equity markets from a diversified mix of stocks and bonds.

Index 2 is the John Hancock Lifestyle Balanced Index which comprises 27.9% of the S&P 500 Index, 10.3% of the MSCI World ex-USA Index, 12.0% of the Russell 2500 Index, 6.8% of the MSCI Emerging Markets Index, 3.0% of the John Hancock Real Asset Blended Index, 3.0% of the ICE BofA U.S. High Yield Index, 3.0% of the JP Morgan EMBI Global Index, 3.0% of the S&P/LSTA Leveraged Loan Index, 21.0% of the Bloomberg U.S. Aggregate Bond Index, 6.0% of the ICE BofA Long U.S. STRIPS Index, and 4.0% of the Bloomberg 1-5 Year TIPS Index.

PERFORMANCE CHART

Total returns with maximum sales charge for the period ended 8-31-23 (%)

	Class A ¹ 12-30-13	Class R6 ² 12-30-13	Class 1 ² 12-30-13	Index 1 12-30-13	Index 2 12-30-13
Inception					
Average annual total returns					
1 year	0.77	6.53	6.40	8.87	6.51
5 year	3.30	4.57	4.53	5.95	5.19
Since inception	4.70	5.39	5.35	6.60	6.20
Cumulative returns					
5 year	17.65	25.05	24.81	33.49	28.80
Since inception	55.95	66.10	65.50	85.51	78.93

Performance figures assume all distributions have been reinvested. Returns with maximum sales charge reflect a sales charge on Class A shares of 5%. Sales charges are not applicable to Class R6 and Class 1 shares.

The expense ratios of the portfolio, both net (including any fee waivers and/or expense limitations) and gross (excluding any fee waivers and/or expense limitations), are set forth according to the most recent publicly available prospectuses for the portfolio and may differ from those disclosed in the Financial highlights tables in this report. Net expenses reflect contractual expense limitations in effect until December 31, 2023 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expenses would apply. The following expense ratios include expenses of the underlying funds in which the portfolio invests. The expense ratios are as follows:

	Class A	Class R6	Class 1
Gross (%)	1.06	0.65	0.69
Net (%)	1.06	0.65	0.69

Please refer to the most recent prospectus and annual or semiannual report for more information on expenses and any expense limitation arrangements for each class.

The returns reflect past results and should not be considered indicative of future performance. The return and principal value of an investment will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Due to market volatility and other factors, the portfolio's current performance may be higher or lower than the performance shown. For current to the most recent month-end performance data, please call 800-225-5291 or visit the portfolio's website at jhinvestments.com.

The performance information does not reflect the deduction of taxes that a shareholder would pay on portfolio distributions or the redemption of portfolio shares. The portfolio's performance results reflect any applicable fee waivers or expense reductions, without which the expenses would increase and results would have been less favorable.

¹ 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.

² For certain types of investors, as described in the portfolio's prospectuses.

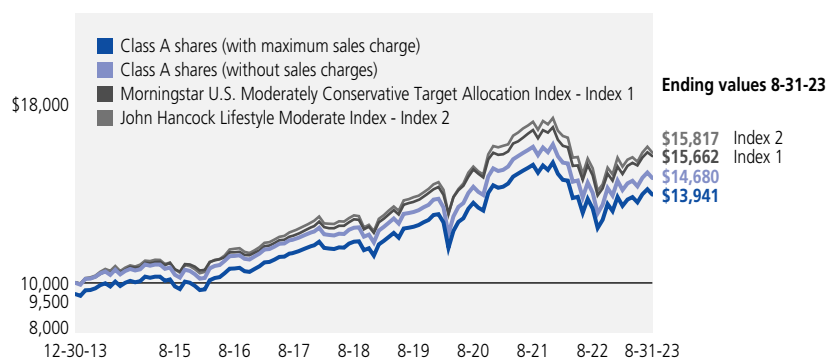
ASSET ALLOCATION (% of net assets)

Affiliated investment companies	33.5
Equity	33.5
Large blend	18.5
International equity	15.0
Unaffiliated investment companies	59.3
Fixed income	31.8
Equity	27.5
U.S. Government	7.1
Short-term investments and other	0.1

Lifestyle Blend Moderate Portfolio

GROWTH OF \$10,000

This chart shows what happened to a hypothetical \$10,000 investment in John Hancock Lifestyle Blend Moderate Portfolio for the periods indicated, assuming all distributions were reinvested. For comparison, we've shown the same investment in a blended index and a separate index.



Index 1 is the Morningstar U.S. Moderately Conservative Target Allocation Index which seeks 40% exposure to global equity markets from a diversified mix of stocks and bonds.

Index 2 is the John Hancock Lifestyle Moderate Index which comprises 18.6% of the S&P 500 Index, 6.8% of the MSCI World ex-USA Index, 8.0% of the Russell 2500 Index, 4.6% of the MSCI Emerging Markets Index, 2.0% of the John Hancock Real Asset Blended Index, 4.5% of the ICE BofA U.S. High Yield Index, 4.5% of the JP Morgan EMBI Global Index, 4.5% of the S&P/LSTA Leveraged Loan Index, 36.5% of the Bloomberg U.S. Aggregate Bond Index, 4.0% of the ICE BofA Long U.S. STRIPS Index, and 6.0% of the Bloomberg 1-5 Year TIPS Index.

PERFORMANCE CHART

Total returns with maximum sales charge for the period ended 8-31-23 (%)

	Class A ¹ 12-30-13	Class R6 ² 12-30-13	Class 1 ² 12-30-13	Index 1 12-30-13	Index 2 12-30-13
Inception					
Average annual total returns					
1 year	-0.56	5.12	5.07	5.82	4.63
5 year	2.27	3.52	3.50	4.05	3.98
Since inception	3.50	4.17	4.14	4.75	4.86
Cumulative returns					
5 year	11.86	18.89	18.78	21.98	21.52
Since inception	39.41	48.42	48.04	56.62	58.17

Performance figures assume all distributions have been reinvested. Returns with maximum sales charge reflect a sales charge on Class A shares of 5%. Sales charges are not applicable to Class R6 and Class 1 shares.

The expense ratios of the portfolio, both net (including any fee waivers and/or expense limitations) and gross (excluding any fee waivers and/or expense limitations), are set forth according to the most recent publicly available prospectuses for the portfolio and may differ from those disclosed in the Financial highlights tables in this report. Net expenses reflect contractual expense limitations in effect until December 31, 2023 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expenses would apply. The following expense ratios include expenses of the underlying funds in which the portfolio invests. The expense ratios are as follows:

	Class A	Class R6	Class 1
Gross (%)	1.10	0.69	0.73
Net (%)	1.09	0.68	0.72

Please refer to the most recent prospectus and annual or semiannual report for more information on expenses and any expense limitation arrangements for each class.

The returns reflect past results and should not be considered indicative of future performance. The return and principal value of an investment will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Due to market volatility and other factors, the portfolio's current performance may be higher or lower than the performance shown. For current to the most recent month-end performance data, please call 800-225-5291 or visit the portfolio's website at jhinvestments.com.

The performance information does not reflect the deduction of taxes that a shareholder would pay on portfolio distributions or the redemption of portfolio shares. The portfolio's performance results reflect any applicable fee waivers or expense reductions, without which the expenses would increase and results would have been less favorable.

¹ 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.

² For certain types of investors, as described in the portfolio's prospectuses.

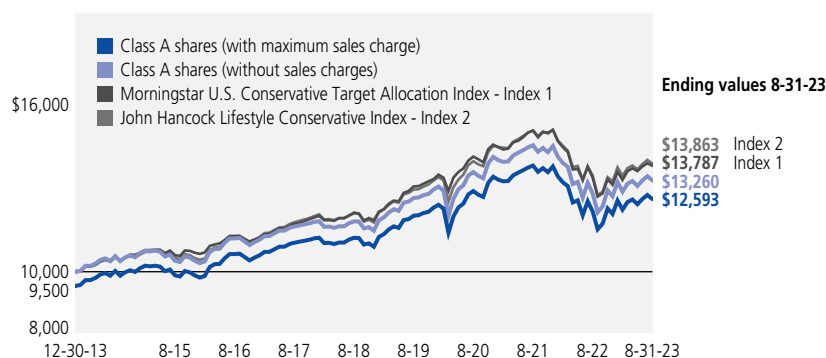
ASSET ALLOCATION (% of net assets)

Affiliated investment companies	21.6
Equity	21.6
Large blend	11.8
International equity	9.8
Unaffiliated investment companies	70.9
Fixed income	51.5
Equity	19.4
U.S. Government	7.5

Lifestyle Blend Conservative Portfolio

GROWTH OF \$10,000

This chart shows what happened to a hypothetical \$10,000 investment in John Hancock Lifestyle Blend Conservative Portfolio for the periods indicated, assuming all distributions were reinvested. For comparison, we've shown the same investment in a blended index and a separate index.



Index 1 is the Morningstar U.S. Conservative Target Allocation Index which seeks 22.5% exposure to global equity markets from a diversified mix of stocks and bonds.

Index 2 is the John Hancock Lifestyle Conservative Index which comprises 9.8% of the S&P 500 Index, 3.6% of the MSCI World ex-USA Index, 4.2% of the Russell 2500 Index, 2.4% of the MSCI Emerging Markets Index, 6.0% of the ICE BofA U.S. High Yield Index, 6.0% of the JP Morgan EMBI Global Index, 6.0% of the S&P/LSTA Leveraged Loan Index, 52.0% of the Bloomberg U.S. Aggregate Bond Index, and 10.0% of the Bloomberg 1-5 Year TIPS Index.

PERFORMANCE CHART

Total returns with maximum sales charge for the period ended 8-31-23 (%)

	Class A ¹ 12-30-13	Class R6 ² 12-30-13	Class 1 ² 12-30-13	Index 1 12-30-13	Index 2 12-30-13
Inception					
Average annual total returns					
1 year	-1.52	4.09	4.04	3.23	3.15
5 year	1.31	2.57	2.53	2.62	2.78
Since inception	2.41	3.09	3.05	3.38	3.43
Cumulative returns					
5 year	6.71	13.54	13.33	13.82	14.71
Since inception	25.93	34.20	33.73	37.87	38.63

Performance figures assume all distributions have been reinvested. Returns with maximum sales charge reflect a sales charge on Class A shares of 5%. Sales charges are not applicable to Class R6 and Class 1 shares.

The expense ratios of the portfolio, both net (including any fee waivers and/or expense limitations) and gross (excluding any fee waivers and/or expense limitations), are set forth according to the most recent publicly available prospectuses for the portfolio and may differ from those disclosed in the Financial highlights tables in this report. Net expenses reflect contractual expense limitations in effect until December 31, 2023 and are subject to change. Had the contractual fee waivers and expense limitations not been in place, gross expenses would apply. The following expense ratios include expenses of the underlying funds in which the portfolio invests. The expense ratios are as follows:

	Class A	Class R6	Class 1
Gross (%)	1.11	0.70	0.75
Net (%)	1.09	0.68	0.72

Please refer to the most recent prospectus and annual or semiannual report for more information on expenses and any expense limitation arrangements for each class.

The returns reflect past results and should not be considered indicative of future performance. The return and principal value of an investment will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Due to market volatility and other factors, the portfolio's current performance may be higher or lower than the performance shown. For current to the most recent month-end performance data, please call 800-225-5291 or visit the portfolio's website at jhinvestments.com.

The performance information does not reflect the deduction of taxes that a shareholder would pay on portfolio distributions or the redemption of portfolio shares. The portfolio's performance results reflect any applicable fee waivers or expense reductions, without which the expenses would increase and results would have been less favorable.

¹ 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.

² For certain types of investors, as described in the portfolio's prospectuses.

ASSET ALLOCATION (% of net assets)

Affiliated investment companies	9.1
Equity	9.1
Large blend	4.9
International equity	4.2
Unaffiliated investment companies	82.2
Fixed income	70.3
Equity	11.9
U.S. Government	8.6
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 (March 1, 2023 through August 31, 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 3-1-2023	Ending value on 8-31-2023	Expenses paid during period ended 8-31-2023 ¹	Annualized expense ratio ²
Lifestyle Blend Aggressive Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,065.90	\$3.70	0.71%
	Hypothetical example	1,000.00	1,021.60	3.62	0.71%
Class R6	Actual expenses/actual returns	1,000.00	1,067.80	1.56	0.30%
	Hypothetical example	1,000.00	1,023.70	1.53	0.30%
Class 1	Actual expenses/actual returns	1,000.00	1,066.90	1.77	0.34%
	Hypothetical example	1,000.00	1,023.50	1.73	0.34%
Lifestyle Blend Growth Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,056.10	\$3.94	0.76%
	Hypothetical example	1,000.00	1,021.40	3.87	0.76%
Class R6	Actual expenses/actual returns	1,000.00	1,058.90	1.82	0.35%
	Hypothetical example	1,000.00	1,023.40	1.79	0.35%
Class 1	Actual expenses/actual returns	1,000.00	1,058.00	2.02	0.39%
	Hypothetical example	1,000.00	1,023.20	1.99	0.39%
Lifestyle Blend Balanced Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,045.90	\$4.18	0.81%
	Hypothetical example	1,000.00	1,021.10	4.13	0.81%
Class R6	Actual expenses/actual returns	1,000.00	1,048.00	2.06	0.40%
	Hypothetical example	1,000.00	1,023.20	2.04	0.40%
Class 1	Actual expenses/actual returns	1,000.00	1,047.80	2.27	0.44%
	Hypothetical example	1,000.00	1,023.00	2.24	0.44%

SHAREHOLDER EXPENSE EXAMPLE CHART (continued)

		Account value on 3-1-2023	Ending value on 8-31-2023	Expenses paid during period ended 8-31-2023 ¹	Annualized expense ratio ²
Lifestyle Blend Moderate Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,037.70	\$4.47	0.87%
	Hypothetical example	1,000.00	1,020.80	4.43	0.87%
Class R6	Actual expenses/actual returns	1,000.00	1,039.80	2.37	0.46%
	Hypothetical example	1,000.00	1,022.90	2.35	0.46%
Class 1	Actual expenses/actual returns	1,000.00	1,039.60	2.57	0.50%
	Hypothetical example	1,000.00	1,022.70	2.55	0.50%
Lifestyle Blend Conservative Portfolio					
Class A	Actual expenses/actual returns	\$1,000.00	\$1,031.10	\$4.76	0.93%
	Hypothetical example	1,000.00	1,020.50	4.74	0.93%
Class R6	Actual expenses/actual returns	1,000.00	1,033.20	2.66	0.52%
	Hypothetical example	1,000.00	1,022.60	2.65	0.52%
Class 1	Actual expenses/actual returns	1,000.00	1,033.00	2.87	0.56%
	Hypothetical example	1,000.00	1,022.40	2.85	0.56%

¹ Expenses are equal to the annualized expense ratio, multiplied by the average account value over the period, multiplied by 184/365 (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 8-31-23

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 57.2%		
Equity - 57.2%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	13,884,613	\$128,710,365
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	15,921,640	152,847,748
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$287,990,148)		\$281,558,113
UNAFFILIATED INVESTMENT COMPANIES - 41.6%		
Equity - 40.4%		
Fidelity Mid Cap Index Fund	2,404,613	67,978,417
Fidelity Small Cap Index Fund	1,629,143	38,431,491
Financial Select Sector SPDR Fund	127,833	4,394,899
iShares Global Infrastructure ETF	53,579	2,434,630
iShares MSCI Global Min Vol Factor ETF	78,148	7,621,774
Vanguard Dividend Appreciation ETF	35,679	5,819,245
Vanguard Energy ETF (C)	59,557	7,422,589
Vanguard FTSE All World ex-US Small-Cap ETF	43,121	4,807,560
Vanguard FTSE Developed Markets ETF	114,829	5,253,427
Vanguard FTSE Emerging Markets ETF	313,832	12,719,611
Vanguard Global ex-U.S. Real Estate ETF	60,605	2,462,987
Vanguard Health Care ETF	24,037	5,875,604
Vanguard Information Technology ETF	10,122	4,503,075
Vanguard Materials ETF	27,046	4,935,354
Vanguard Real Estate ETF	89,337	7,359,582
Vanguard S&P 500 ETF	40,503	16,761,356
Fixed income - 1.2%		
Vanguard Emerging Markets Government Bond ETF	40,791	2,510,278
Vanguard Intermediate-Term Corporate Bond ETF	13,032	1,020,275
Vanguard Total Bond Market ETF	14,224	1,020,572
Xtrackers USD High Yield Corporate Bond ETF	39,355	1,361,683
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$193,604,627)		\$204,694,409
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	11,471	0
ICA Gruppen AB (D)(E)	493	0
Health care - 0.0%		
NMC Health PLC (E)	360	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	1,529	4,608
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	46,457	1,274
TOTAL COMMON STOCKS (Cost \$11,582)		\$5,882

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, 4.012%, 11/15/2052	2,881,200	\$898,033
U.S. Treasury STRIPS, PO, 4.145%, 08/15/2051	5,541,200	1,751,110
U.S. Treasury STRIPS, PO, 4.195%, 05/15/2050	5,207,900	1,710,450
U.S. Treasury STRIPS, PO, 4.294%, 11/15/2048	2,846,300	971,154
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$6,844,816)		\$5,330,747
SHORT-TERM INVESTMENTS - 0.6%		
Short-term funds - 0.6%		
John Hancock Collateral Trust, 5.4789% (G)(H)	278,787	2,786,926
TOTAL SHORT-TERM INVESTMENTS (Cost \$2,785,996)		\$2,786,926
Total investments (Cost \$491,237,169) - 100.5%		\$494,376,077
Other assets and liabilities, net - (0.5%)		(2,450,938)
TOTAL NET ASSETS - 100.0%		\$491,925,139

LIFESTYLE BLEND GROWTH PORTFOLIO

As of 8-31-23

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 45.1%		
Equity - 45.1%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	24,010,111	\$222,573,729
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	27,856,988	267,427,081
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$501,052,719)		\$490,000,810
UNAFFILIATED INVESTMENT COMPANIES - 51.1%		
Equity - 35.6%		
Fidelity Mid Cap Index Fund	4,237,635	119,797,929
Fidelity Small Cap Index Fund	2,961,603	69,864,206
Financial Select Sector SPDR Fund	247,570	8,511,457
iShares Global Infrastructure ETF	94,211	4,280,948
iShares MSCI Global Min Vol Factor ETF	395,142	38,538,199
Vanguard Dividend Appreciation ETF	165,505	26,993,866
Vanguard Energy ETF	104,626	13,039,538
Vanguard FTSE All World ex-US Small-Cap ETF	48,496	5,406,819
Vanguard FTSE Developed Markets ETF	221,299	10,124,429
Vanguard FTSE Emerging Markets ETF	614,636	24,911,197
Vanguard Global ex-U.S. Real Estate ETF	106,551	4,330,233
Vanguard Health Care ETF	47,580	11,630,455
Vanguard Information Technology ETF (C)	20,226	8,998,143
Vanguard Materials ETF	47,526	8,672,544
Vanguard Real Estate ETF	156,913	12,926,493
Vanguard S&P 500 ETF	43,712	18,089,337
Fixed income - 15.5%		
Invesco Senior Loan ETF (C)	623,538	13,150,416
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	198,152	4,979,560

LIFESTYLE BLEND GROWTH PORTFOLIO (continued)

	Shares or Principal Amount	Value
Fixed income - (continued)		
Vanguard Emerging Markets Government Bond ETF	365,733	\$22,507,209
Vanguard Intermediate-Term Corporate Bond ETF	666,233	52,159,382
Vanguard Short-Term Bond ETF	21,303	1,611,998
Vanguard Short-Term Corporate Bond ETF	131,137	9,940,185
Vanguard Total Bond Market ETF	586,579	42,087,043
Xtrackers USD High Yield Corporate Bond ETF	641,949	22,211,435
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$539,464,969)		\$554,763,021
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	19,400	0
ICA Gruppen AB (D)(E)	833	0
Health care - 0.0%		
NMC Health PLC (E)	609	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	2,587	7,793
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	78,570	2,154
TOTAL COMMON STOCKS (Cost \$19,587)		\$9,947
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 3.7%		
U.S. Government - 3.7%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$934,714	909,642
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	4,380,072	4,177,451
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	3,008,087	2,821,198
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	6,081,434	5,623,545
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	2,857,848	2,751,013
U.S. Treasury STRIPS, PO, 4.012%, 11/15/2052	13,084,900	4,078,395
U.S. Treasury STRIPS, PO, 4.145%, 08/15/2051	25,167,300	7,953,281
U.S. Treasury STRIPS, PO, 4.195%, 05/15/2050	23,656,900	7,769,722
U.S. Treasury STRIPS, PO, 4.294%, 11/15/2048	12,934,600	4,413,270
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$48,888,759)		\$40,497,517
SHORT-TERM INVESTMENTS - 0.5%		
Short-term funds - 0.5%		
John Hancock Collateral Trust, 5.4789% (G)(H)	506,463	5,062,904
TOTAL SHORT-TERM INVESTMENTS (Cost \$5,059,968)		\$5,062,904
Total investments (Cost \$1,094,486,002) - 100.4%		\$1,090,334,199
Other assets and liabilities, net - (0.4%)		(4,345,966)
TOTAL NET ASSETS - 100.0%		\$1,085,988,233

LIFESTYLE BLEND BALANCED PORTFOLIO

As of 8-31-23

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 33.5%		
Equity - 33.5%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	18,395,230	\$170,523,786
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	21,797,420	209,255,236
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$386,167,809)		\$379,779,022
UNAFFILIATED INVESTMENT COMPANIES - 59.3%		
Equity - 27.5%		
Fidelity Mid Cap Index Fund	3,219,881	91,026,036
Fidelity Small Cap Index Fund	2,308,494	54,457,385
Financial Select Sector SPDR Fund	227,981	7,837,987
iShares Global Infrastructure ETF	73,453	3,337,704
iShares MSCI Global Min Vol Factor ETF	466,270	45,475,313
Vanguard Dividend Appreciation ETF	196,181	31,997,121
Vanguard Energy ETF (C)	82,440	10,274,497
Vanguard FTSE Developed Markets ETF	150,662	6,892,787
Vanguard FTSE Emerging Markets ETF	441,458	17,892,293
Vanguard Global ex-U.S. Real Estate ETF	83,774	3,404,575
Vanguard Health Care ETF (C)	39,223	9,587,670
Vanguard Information Technology ETF (C)	18,102	8,053,218
Vanguard Materials ETF	37,227	6,793,183
Vanguard Real Estate ETF	122,572	10,097,481
Vanguard S&P 500 ETF	12,409	5,135,216
Fixed income - 31.8%		
Invesco Senior Loan ETF (C)	1,332,927	28,111,430
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	398,930	10,025,111
Vanguard Emerging Markets Government Bond ETF	745,454	45,875,239
Vanguard Intermediate-Term Corporate Bond ETF	1,413,082	110,630,190
Vanguard Short-Term Bond ETF	73,763	5,581,646
Vanguard Short-Term Corporate Bond ETF	349,337	26,479,745
Vanguard Total Bond Market ETF	1,178,244	84,539,007
Xtrackers USD High Yield Corporate Bond ETF (C)	1,410,966	48,819,424
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$678,109,751)		\$672,324,258
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	14,022	0
ICA Gruppen AB (D)(E)	602	0
Health care - 0.0%		
NMC Health PLC (E)	440	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	1,870	5,632
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	56,786	1,557

LIFESTYLE BLEND BALANCED PORTFOLIO (continued)

	Shares or Principal Amount	Value
TOTAL COMMON STOCKS (Cost \$14,156)		\$7,189
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.1%		
U.S. Government - 7.1%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$2,140,013	\$2,082,611
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	10,030,053	9,566,065
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	6,915,413	6,485,766
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	13,976,289	12,923,973
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	6,541,174	6,296,646
U.S. Treasury STRIPS, PO, 4.012%, 11/15/2052	23,099,700	7,199,879
U.S. Treasury STRIPS, PO, 4.145%, 08/15/2051	44,432,700	14,041,465
U.S. Treasury STRIPS, PO, 4.195%, 05/15/2050	41,766,000	13,717,360
U.S. Treasury STRIPS, PO, 4.294%, 11/15/2048	22,831,300	7,790,012
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$97,408,203)		\$80,103,777
SHORT-TERM INVESTMENTS - 4.3%		
Short-term funds - 4.3%		
John Hancock Collateral Trust, 5.4789% (G)(H)	4,845,620	48,439,726
TOTAL SHORT-TERM INVESTMENTS (Cost \$48,431,395)		\$48,439,726
Total investments (Cost \$1,210,131,314) - 104.2%		\$1,180,653,972
Other assets and liabilities, net - (4.2%)		(47,475,630)
TOTAL NET ASSETS - 100.0%		\$1,133,178,342

LIFESTYLE BLEND MODERATE PORTFOLIO

As of 8-31-23

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 21.6%		
Equity - 21.6%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	3,686,984	\$34,178,342
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	4,275,268	41,042,574
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$75,422,242)		\$75,220,916
UNAFFILIATED INVESTMENT COMPANIES - 70.9%		
Equity - 19.4%		
Fidelity Mid Cap Index Fund	655,102	18,519,739
Fidelity Small Cap Index Fund	428,050	10,097,703
iShares Global Infrastructure ETF	15,191	690,279
iShares MSCI Global Min Vol Factor ETF	161,447	15,745,926
Vanguard Dividend Appreciation ETF	68,009	11,092,268
Vanguard Energy ETF	16,823	2,096,650
Vanguard FTSE Developed Markets ETF	45,128	2,064,606
Vanguard FTSE Emerging Markets ETF	37,240	1,509,337
Vanguard Global ex-U.S. Real Estate ETF	17,167	697,667

LIFESTYLE BLEND MODERATE PORTFOLIO (continued)

	Shares or Principal Amount	Value
Equity - (continued)		
Vanguard Materials ETF	7,655	\$1,396,884
Vanguard Real Estate ETF	25,263	2,081,166
Vanguard S&P 500 ETF	3,105	1,284,942
Fixed income - 51.5%		
Invesco Senior Loan ETF (C)	599,946	12,652,861
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	164,866	4,143,083
Vanguard Emerging Markets Government Bond ETF	320,716	19,736,863
Vanguard Intermediate-Term Corporate Bond ETF	759,583	59,467,753
Vanguard Short-Term Bond ETF	31,612	2,392,080
Vanguard Short-Term Corporate Bond ETF	187,556	14,216,745
Vanguard Total Bond Market ETF	628,132	45,068,470
Xtrackers USD High Yield Corporate Bond ETF (C)	616,268	21,322,873
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$255,194,183)		\$246,277,895
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	2,691	0
ICA Gruppen AB (D)(E)	116	0
Health care - 0.0%		
NMC Health PLC (E)	84	0
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	359	1,081
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	10,897	299
TOTAL COMMON STOCKS (Cost \$2,716)		\$1,380
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 7.5%		
U.S. Government - 7.5%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$983,409	957,031
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	4,604,716	4,391,703
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	3,218,995	3,019,002
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	6,507,155	6,017,212
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	3,001,666	2,889,455
U.S. Treasury STRIPS, PO, 4.012%, 11/15/2052	4,774,900	1,488,275
U.S. Treasury STRIPS, PO, 4.145%, 08/15/2051	9,185,500	2,902,769
U.S. Treasury STRIPS, PO, 4.195%, 05/15/2050	8,634,200	2,835,762
U.S. Treasury STRIPS, PO, 4.294%, 11/15/2048	4,721,400	1,610,936
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$30,254,363)		\$26,112,145

LIFESTYLE BLEND MODERATE PORTFOLIO (continued)

	Shares or Principal Amount	Value
SHORT-TERM INVESTMENTS - 7.3%		
Short-term funds - 7.3%		
John Hancock Collateral Trust, 5.4789% (G)(H)	2,531,278	\$25,304,179
TOTAL SHORT-TERM INVESTMENTS (Cost \$25,297,869)		\$25,304,179
Total investments (Cost \$386,171,373) - 107.3%		\$372,916,515
Other assets and liabilities, net - (7.3%)		(25,455,814)
TOTAL NET ASSETS - 100.0%		\$347,460,701

LIFESTYLE BLEND CONSERVATIVE PORTFOLIO

As of 8-31-23

	Shares or Principal Amount	Value
AFFILIATED INVESTMENT COMPANIES (A) - 9.1%		
Equity - 9.1%		
International Strategic Equity Allocation, Class NAV, JHF II (MIM US) (B)	1,297,686	\$12,029,551
U.S. Sector Rotation, Class NAV, JHF II (MIM US) (B)	1,451,388	13,933,322
TOTAL AFFILIATED INVESTMENT COMPANIES (Cost \$25,281,313)		\$25,962,873
UNAFFILIATED INVESTMENT COMPANIES - 82.2%		
Equity - 11.9%		
Fidelity Mid Cap Index Fund	279,657	7,905,901
Fidelity Small Cap Index Fund	218,404	5,152,158
iShares MSCI Global Min Vol Factor ETF	66,074	6,444,197
Vanguard Dividend Appreciation ETF (C)	27,805	4,534,996
Vanguard FTSE Developed Markets ETF	72,606	3,321,725
Vanguard FTSE Emerging Markets ETF	37,401	1,515,863
Vanguard S&P 500 ETF	12,661	5,239,502
Fixed income - 70.3%		
Invesco Senior Loan ETF (C)	646,179	13,627,915
VanEck Vectors J.P. Morgan EM Local Currency Bond ETF (C)	176,219	4,428,383
Vanguard Emerging Markets Government Bond ETF	347,712	21,398,196
Vanguard Intermediate-Term Corporate Bond ETF (C)	870,576	68,157,394
Vanguard Short-Term Bond ETF	44,933	3,400,080
Vanguard Short-Term Corporate Bond ETF	197,122	14,941,848
Vanguard Total Bond Market ETF	729,683	52,354,756
Xtrackers USD High Yield Corporate Bond ETF (C)	658,029	22,767,804
TOTAL UNAFFILIATED INVESTMENT COMPANIES (Cost \$249,230,674)		\$235,190,718
COMMON STOCKS - 0.0%		
Consumer staples - 0.0%		
China Huishan Dairy Holdings Company, Ltd. (D)(E)	955	0
ICA Gruppen AB (D)(E)	41	0
Health care - 0.0%		
NMC Health PLC (E)	30	0

LIFESTYLE BLEND CONSERVATIVE PORTFOLIO (continued)

	Shares or Principal Amount	Value
Real estate - 0.0%		
Dalian Wanda Commercial Properties Company, Ltd., H Shares (D)(E)(F)	127	\$384
Utilities - 0.0%		
China Common Rich Renewable Energy Investments, Ltd. (D)(E)	3,867	106
TOTAL COMMON STOCKS (Cost \$965)		\$490
U.S. GOVERNMENT AND AGENCY OBLIGATIONS - 8.6%		
U.S. Government - 8.6%		
U.S. Treasury Inflation Protected Security, 0.125%, 07/15/2024	\$1,398,537	1,361,025
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2025	6,544,774	6,242,014
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2026	4,611,943	4,325,408
U.S. Treasury Inflation Protected Security, 0.125%, 04/15/2027	9,321,344	8,619,512
U.S. Treasury Inflation Protected Security, 1.250%, 04/15/2028	4,264,497	4,105,078
TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$26,431,238)		\$24,653,037
SHORT-TERM INVESTMENTS - 7.0%		
Short-term funds - 7.0%		
John Hancock Collateral Trust, 5.4789% (G)(H)	1,998,558	19,978,782
TOTAL SHORT-TERM INVESTMENTS (Cost \$19,975,970)		\$19,978,782
Total investments (Cost \$320,920,160) - 106.9%		\$305,785,900
Other assets and liabilities, net - (6.9%)		(19,704,111)
TOTAL NET ASSETS - 100.0%		\$286,081,789

Percentages are based upon net assets.

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 8-31-23.
(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 8-31-23.
(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 8-31-23

	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)	\$210,031,038	\$595,270,485	\$752,435,224	\$272,391,420	\$259,844,245
Affiliated investments, at value	284,345,039	495,063,714	428,218,748	100,525,095	45,941,655
Total investments, at value	494,376,077	1,090,334,199	1,180,653,972	372,916,515	305,785,900
Dividends and interest receivable	112,899	211,522	185,683	48,414	40,184
Receivable for fund shares sold	677,270	1,629,144	1,105,021	3,727	371,520
Receivable for investments sold	181,824	55,678	1,965,733	234,565	105,195
Receivable for securities lending income	1,047	6,149	12,125	5,955	5,331
Receivable from affiliates	486	—	—	550	561
Other assets	39,244	67,699	69,084	34,430	28,913
Total assets	495,388,847	1,092,304,391	1,183,991,618	373,244,156	306,337,604
Liabilities					
Due to custodian	173,138	9,318	1,756,884	—	87,759
Payable for investments purchased	399,192	808,712	239,638	215,955	40,497
Payable for fund shares repurchased	46,878	270,566	114,869	354,231	64,906
Payable upon return of securities loaned	2,793,340	5,128,817	48,592,829	25,167,700	20,022,132
Payable to affiliates					
Accounting and legal services fees	25,187	55,173	57,498	17,724	14,646
Transfer agent fees	6,261	15,268	22,935	10,160	9,020
Trustees' fees	34	76	78	24	20
Other liabilities and accrued expenses	19,678	28,228	28,545	17,661	16,835
Total liabilities	3,463,708	6,316,158	50,813,276	25,783,455	20,255,815
Net assets	\$491,925,139	\$1,085,988,233	\$1,133,178,342	\$347,460,701	\$286,081,789
Net assets consist of					
Paid-in capital	\$494,949,567	\$1,103,150,922	\$1,183,428,480	\$370,631,890	\$312,003,763
Total distributable earnings (loss)	(3,024,428)	(17,162,689)	(50,250,138)	(23,171,189)	(25,921,974)
Net assets	\$491,925,139	\$1,085,988,233	\$1,133,178,342	\$347,460,701	\$286,081,789
Unaffiliated investments, at cost	\$200,461,025	\$588,373,315	\$775,532,110	\$285,451,262	\$275,662,877
Affiliated investments, at cost	290,776,144	506,112,687	434,599,204	100,720,111	45,257,283
Total investments, at cost	491,237,169	1,094,486,002	1,210,131,314	386,171,373	320,920,160
Securities loaned, at value	\$2,738,560	\$5,027,526	\$47,616,080	\$24,618,284	\$19,607,297
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	\$62,427,156	\$154,382,981	\$231,836,126	\$102,043,824	\$90,396,732
Shares outstanding	5,440,082	13,891,822	22,292,127	10,127,455	9,385,981
Net asset value and redemption price per share	\$11.48	\$11.11	\$10.40	\$10.08	\$9.63
Class R6					
Net assets	\$17,026,033	\$28,436,225	\$20,589,686	\$7,074,011	\$6,511,191
Shares outstanding	1,480,960	2,551,033	1,980,622	701,686	675,598
Net asset value, offering price and redemption price per share	\$11.50	\$11.15	\$10.40	\$10.08	\$9.64
Class 1					
Net assets	\$412,471,950	\$903,169,027	\$880,752,530	\$238,342,866	\$189,173,866
Shares outstanding	35,915,526	81,199,614	84,761,133	23,644,919	19,636,652
Net asset value, offering price and redemption price per share	\$11.48	\$11.12	\$10.39	\$10.08	\$9.63
Maximum offering price per share					
Class A (net asset value per share ÷ 95%) ²	\$12.08	\$11.69	\$10.95	\$10.61	\$10.14

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 year ended 8-31-23

	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	\$4,073,006	\$7,040,564	\$5,299,239	\$1,068,205	\$406,270
Dividends from unaffiliated investments	3,999,947	14,447,442	20,707,372	8,473,928	8,999,011
Interest	185,191	1,421,794	2,914,784	934,736	873,950
Securities lending	11,714	382,079	787,547	383,930	402,332
Total investment income	8,269,858	23,291,879	29,708,942	10,860,799	10,681,563
Expenses					
Investment management fees	1,095,394	2,986,694	3,650,205	1,297,856	1,262,989
Distribution and service fees	352,733	796,219	971,215	361,660	332,256
Accounting and legal services fees	96,240	212,436	219,426	67,602	57,626
Transfer agent fees	59,849	138,067	208,902	93,479	90,378
Trustees' fees	11,217	24,782	25,428	7,826	6,799
Custodian fees	26,752	28,877	28,877	28,877	28,877
State registration fees	36,274	48,143	53,207	36,741	42,212
Printing and postage	20,325	22,579	23,673	20,308	20,285
Professional fees	57,760	79,842	81,029	52,156	50,262
Other	28,915	51,054	45,216	25,187	26,092
Total expenses	1,785,459	4,388,693	5,307,178	1,991,692	1,917,776
Less expense reductions	(35,531)	(123)	(252)	(68,197)	(83,987)
Net expenses	1,749,928	4,388,570	5,306,926	1,923,495	1,833,789
Net investment income	6,519,930	18,903,309	24,402,016	8,937,304	8,847,774
Realized and unrealized gain (loss)					
Net realized gain (loss) on					
Unaffiliated investments	(3,696,631)	(13,272,014)	(18,179,281)	(7,283,615)	(8,472,182)
Affiliated investments	(3,129,448)	(4,122,302)	(2,658,414)	(1,244,798)	(1,028,939)
Capital gain distributions received from affiliated investments	2,446,577	4,232,838	3,201,598	645,670	239,022
	(4,379,502)	(13,161,478)	(17,636,097)	(7,882,743)	(9,262,099)
Change in net unrealized appreciation (depreciation) of					
Unaffiliated investments	12,850,845	26,432,965	21,116,719	6,692,864	8,161,870
Affiliated investments	30,120,417	51,604,423	39,271,610	8,541,369	3,593,145
	42,971,262	78,037,388	60,388,329	15,234,233	11,755,015
Net realized and unrealized gain	38,591,760	64,875,910	42,752,232	7,351,490	2,492,916
Increase in net assets from operations	\$45,111,690	\$83,779,219	\$67,154,248	\$16,288,794	\$11,340,690

STATEMENTS OF CHANGES IN NET ASSETS

	Lifestyle Blend Aggressive Portfolio		Lifestyle Blend Growth Portfolio		Lifestyle Blend Balanced Portfolio	
	Year ended 8-31-23	Year ended 8-31-22	Year ended 8-31-23	Year ended 8-31-22	Year ended 8-31-23	Year ended 8-31-22
Increase (decrease) in net assets						
From operations						
Net investment income	\$6,519,930	\$6,170,511	\$18,903,309	\$17,895,024	\$24,402,016	\$21,818,043
Net realized gain (loss)	(4,379,502)	66,001,508	(13,161,478)	122,744,995	(17,636,097)	98,365,012
Change in net unrealized appreciation (depreciation)	42,971,262	(149,570,653)	78,037,388	(300,764,694)	60,388,329	(273,738,361)
Increase (decrease) in net assets resulting from operations	45,111,690	(77,398,634)	83,779,219	(160,124,675)	67,154,248	(153,555,306)
Distributions to shareholders						
From earnings						
Class A	(5,315,969)	(2,003,659)	(11,651,766)	(3,383,549)	(15,005,145)	(4,350,623)
Class R6	(1,633,965)	(935,046)	(2,668,019)	(1,385,322)	(1,610,666)	(1,129,499)
Class 1	(46,896,397)	(35,035,864)	(98,515,443)	(67,301,517)	(82,881,884)	(64,509,406)
Total distributions	(53,846,331)	(37,974,569)	(112,835,228)	(72,070,388)	(99,497,695)	(69,989,528)
Portfolio share transactions						
From portfolio share transactions	50,900,232	55,821,932	122,438,420	87,781,432	159,318,239	109,090,528
Total increase (decrease)	42,165,591	(59,551,271)	93,382,411	(144,413,631)	126,974,792	(114,454,306)
Net assets						
Beginning of year	449,759,548	509,310,819	992,605,822	1,137,019,453	1,006,203,550	1,120,657,856
End of year	\$491,925,139	\$449,759,548	\$1,085,988,233	\$992,605,822	\$1,133,178,342	\$1,006,203,550

STATEMENTS OF CHANGES IN NET ASSETS

Continued

	Lifestyle Blend Moderate Portfolio		Lifestyle Blend Conservative Portfolio	
	Year ended 8-31-23	Year ended 8-31-22	Year ended 8-31-23	Year ended 8-31-22
Increase (decrease) in net assets				
From operations				
Net investment income	\$8,937,304	\$7,394,751	\$8,847,774	\$7,081,453
Net realized gain (loss)	(7,882,743)	16,651,326	(9,262,099)	4,341,680
Change in net unrealized appreciation (depreciation)	15,234,233	(66,604,589)	11,755,015	(43,285,158)
Increase (decrease) in net assets resulting from operations	16,288,794	(42,558,512)	11,340,690	(31,862,025)
Distributions to shareholders				
From earnings				
Class A	(4,471,638)	(1,670,908)	(3,234,319)	(1,620,993)
Class R6	(357,524)	(255,860)	(184,977)	(152,033)
Class 1	(15,526,684)	(14,930,227)	(9,382,936)	(11,844,103)
Total distributions	(20,355,846)	(16,856,995)	(12,802,232)	(13,617,129)
Portfolio share transactions				
From portfolio share transactions	46,034,503	46,516,269	26,204,928	63,271,894
Total increase (decrease)	41,967,451	(12,899,238)	24,743,386	17,792,740
Net assets				
Beginning of year	305,493,250	318,392,488	261,338,403	243,545,663
End of year	\$347,460,701	\$305,493,250	\$286,081,789	\$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 (%) ⁴	Net investment income (loss) (%) ²		
Lifestyle Blend Aggressive Portfolio														
Class A														
08-31-2023	11.86	0.11	0.88	0.99	(0.11)	(1.26)	(1.37)	11.48	9.69 ⁵	0.71	0.70	0.98	62	16
08-31-2022	14.98	0.09	(2.16)	(2.07)	(0.14)	(0.91)	(1.05)	11.86	(15.01) ⁵	0.68	0.68	0.69	43	91
08-31-2021 ⁶	14.31	(0.02)	0.69	0.67	—	—	—	14.98	4.68 ^{5, 7}	0.65 ⁸	0.65 ⁸	(0.30) ⁸	9	17
Class R6														
08-31-2023	11.88	0.16	0.88	1.04	(0.16)	(1.26)	(1.42)	11.50	10.16	0.30	0.29	1.42	17	16
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
Class 1														
08-31-2023	11.87	0.16	0.86	1.02	(0.15)	(1.26)	(1.41)	11.48	10.02	0.34	0.34	1.45	412	16
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

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

⁶ The inception date for Class A shares is 4-26-21.

⁷ Not annualized.

⁸ Annualized.

Financial highlights continued

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) (%) ²		
Lifestyle Blend Growth Portfolio														
Class A														
08-31-2023	11.57	0.15	0.65	0.80	(0.17)	(1.09)	(1.26)	11.11	7.95 ⁵	0.75	0.75	1.41	154	15
08-31-2022	14.32	0.14	(2.05)	(1.91)	(0.16)	(0.68)	(0.84)	11.57	(14.26) ⁵	0.73	0.73	1.14	85	74
08-31-2021 ⁶	13.73	— ⁷	0.59	0.59	—	—	—	14.32	4.30 ^{5, 8}	0.70 ⁹	0.70 ⁹	0.06 ⁹	20	22
Class R6														
08-31-2023	11.60	0.21	0.65	0.86	(0.22)	(1.09)	(1.31)	11.15	8.51	0.34	0.34	1.88	28	15
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
Class 1														
08-31-2023	11.58	0.21	0.63	0.84	(0.21)	(1.09)	(1.30)	11.12	8.39	0.39	0.39	1.89	903	15
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

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

⁶ The inception date for Class A shares is 4-26-21.

⁷ Less than \$0.005 per share.

⁸ Not annualized.

⁹ Annualized.

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) (%) ²			
Lifestyle Blend Balanced Portfolio															
Class A															
08-31-2023	10.82	0.19	0.39	0.58	(0.21)	(0.79)	(1.00)	10.40	6.08 ⁵	0.80	0.80	1.90	232	15	
08-31-2022	13.33	0.19	(1.93)	(1.74)	(0.19)	(0.58)	(0.77)	10.82	(13.85) ⁵	0.79	0.79	1.62	126	58	
08-31-2021 ⁶	12.84	0.02	0.50	0.52	(0.03)	—	(0.03)	13.33	4.06 ^{5,7}	0.76 ⁸	0.76 ⁸	0.55 ⁸	28	32	
Class R6															
08-31-2023	10.82	0.24	0.38	0.62	(0.25)	(0.79)	(1.04)	10.40	6.53	0.40	0.40	2.35	21	15	
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	
Class 1															
08-31-2023	10.82	0.25	0.36	0.61	(0.25)	(0.79)	(1.04)	10.39	6.40	0.44	0.44	2.38	881	15	
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	

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

⁶ The inception date for Class A shares is 4-26-21.

⁷ Not annualized.

⁸ Annualized.

Financial highlights continued

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															
08-31-2023	10.25	0.24	0.20	0.44	(0.24)	(0.37)	(0.61)	10.08	4.68 ⁵	0.88	0.86	2.38	102	20	
08-31-2022	12.34	0.22	(1.73)	(1.51)	(0.21)	(0.37)	(0.58)	10.25	(12.77) ⁵	0.87	0.86	2.04	55	45	
08-31-2021 ⁶	11.98	0.04	0.36	0.40	(0.04)	—	(0.04)	12.34	3.33 ^{5, 7}	0.85 ⁸	0.84 ⁸	0.97 ⁸	15	34	
Class R6															
08-31-2023	10.25	0.28	0.20	0.48	(0.28)	(0.37)	(0.65)	10.08	5.12	0.48	0.46	2.81	7	20	
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	
Class 1															
08-31-2023	10.25	0.28	0.20	0.48	(0.28)	(0.37)	(0.65)	10.08	5.07	0.52	0.50	2.84	238	20	
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	

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

⁶ The inception date for Class A shares is 4-26-21.

⁷ Not annualized.

⁸ Annualized.

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 (%) ⁴	Net investment income (loss) (%) ²			
Lifestyle Blend Conservative Portfolio															
Class A															
08-31-2023	9.71	0.28	0.06	0.34	(0.29)	(0.13)	(0.42)	9.63	3.66 ⁵	0.95	0.92	2.89	90	26	
08-31-2022	11.59	0.26	(1.58)	(1.32)	(0.24)	(0.32)	(0.56)	9.71	(11.88) ⁵	0.94	0.92	2.54	60	28	
08-31-2021 ⁶	11.36	0.06	0.22	0.28	(0.05)	—	(0.05)	11.59	2.43 ^{5,7}	0.93 ⁸	0.91 ⁸	1.53 ⁸	11	43	
Class R6															
08-31-2023	9.72	0.31	0.07	0.38	(0.33)	(0.13)	(0.46)	9.64	4.09	0.54	0.51	3.24	7	26	
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	— ⁹	21	
Class 1															
08-31-2023	9.71	0.31	0.06	0.37	(0.32)	(0.13)	(0.45)	9.63	4.04	0.59	0.56	3.28	189	26	
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	

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

⁶ The inception date for Class A shares is 4-26-21.

⁷ Not annualized.

⁸ Annualized.

⁹ Less than \$500,000.

Notes to financial statements

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 funds 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. Investments by the portfolios in open-end mutual funds, including John Hancock Collateral Trust (JHCT), are valued at their respective NAVs each business day. Foreign securities and currencies are valued in U.S. dollars based on foreign currency exchange rates supplied by an independent pricing vendor.

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 August 31, 2023, by major security category or type:

	Total value at 8-31-23	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	\$281,558,113	\$281,558,113	—	—
Unaffiliated investment companies	204,694,409	204,694,409	—	—
Common stocks	5,882	—	—	\$5,882
U.S. Government and Agency obligations	5,330,747	—	\$5,330,747	—
Short-term investments	2,786,926	2,786,926	—	—
Total investments in securities	\$494,376,077	\$489,039,448	\$5,330,747	\$5,882

Lifestyle Blend Growth Portfolio

Investments in securities:				
Assets				
Affiliated investment companies	\$490,000,810	\$490,000,810	—	—
Unaffiliated investment companies	554,763,021	554,763,021	—	—
Common stocks	9,947	—	—	\$9,947
U.S. Government and Agency obligations	40,497,517	—	\$40,497,517	—
Short-term investments	5,062,904	5,062,904	—	—
Total investments in securities	\$1,090,334,199	\$1,049,826,735	\$40,497,517	\$9,947

Lifestyle Blend Balanced Portfolio

Investments in securities:				
Assets				
Affiliated investment companies	\$379,779,022	\$379,779,022	—	—
Unaffiliated investment companies	672,324,258	672,324,258	—	—
Common stocks	7,189	—	—	\$7,189
U.S. Government and Agency obligations	80,103,777	—	\$80,103,777	—
Short-term investments	48,439,726	48,439,726	—	—
Total investments in securities	\$1,180,653,972	\$1,100,543,006	\$80,103,777	\$7,189

Lifestyle Blend Moderate Portfolio

Investments in securities:				
Assets				

	Total value at 8-31-23	Level 1 quoted price	Level 2 significant observable inputs	Level 3 significant unobservable inputs
Lifestyle Blend Moderate Portfolio (continued)				
Affiliated investment companies	\$75,220,916	\$75,220,916	—	—
Unaffiliated investment companies	246,277,895	246,277,895	—	—
Common stocks	1,380	—	—	\$1,380
U.S. Government and Agency obligations	26,112,145	—	\$26,112,145	—
Short-term investments	25,304,179	25,304,179	—	—
Total investments in securities	\$372,916,515	\$346,802,990	\$26,112,145	\$1,380

Lifestyle Blend Conservative Portfolio

Investments in securities:

Assets

Affiliated investment companies	\$25,962,873	\$25,962,873	—	—
Unaffiliated investment companies	235,190,718	235,190,718	—	—
Common stocks	490	—	—	\$490
U.S. Government and Agency obligations	24,653,037	—	\$24,653,037	—
Short-term investments	19,978,782	19,978,782	—	—
Total investments in securities	\$305,785,900	\$281,132,373	\$24,653,037	\$490

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 August 31, 2023. In addition, non-cash collateral in the form of U.S. Treasuries was pledged, as indicated below. This non-cash collateral cannot be sold or repledged by the portfolios, and accordingly, is not reflected in the portfolios' net assets.

Portfolio	Market value of securities on loan	Cash collateral received	Non-cash collateral
Lifestyle Blend Aggressive Portfolio	\$2,738,560	\$2,793,340	—
Lifestyle Blend Growth Portfolio	5,027,526	5,128,817	—
Lifestyle Blend Balanced Portfolio	47,616,080	48,592,829	\$3,655
Lifestyle Blend Moderate Portfolio	24,618,284	25,167,700	—
Lifestyle Blend Conservative Portfolio	19,607,297	20,022,132	—

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 year ended August 31, 2023, the portfolios had no borrowings under the line of credit.

Commitment fees for the year ended August 31, 2023 were as follows:

Portfolio	Commitment fee
Lifestyle Blend Aggressive Portfolio	\$4,562
Lifestyle Blend Growth Portfolio	6,374
Lifestyle Blend Balanced Portfolio	6,496
Lifestyle Blend Moderate Portfolio	4,125
Lifestyle Blend Conservative Portfolio	3,963

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 each 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.

For federal income tax purposes, as of August 31, 2023, certain portfolios have capital loss carryforwards available to offset future net realized capital gains. The following table details the capital loss carryforwards available as of August 31, 2023:

Portfolio	No Expiration Date	
	Short Term	Long Term
Lifestyle Blend Aggressive Portfolio	\$ 936,235	—
Lifestyle Blend Growth Portfolio	2,354,990	\$4,387,755
Lifestyle Blend Balanced Portfolio	1,518,077	9,228,658
Lifestyle Blend Moderate Portfolio	125,610	2,869,501

Portfolio	No Expiration Date	
	Short Term	Long Term
Lifestyle Blend Conservative Portfolio	\$330,530	\$2,394,356

As of August 31, 2023, 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 August 31, 2023, including short-term investments, were as follows:

Portfolio	Aggregate cost	Unrealized appreciation	Unrealized (depreciation)	Net unrealized appreciation/ (depreciation)
Lifestyle Blend Aggressive Portfolio	\$497,290,140	\$7,458,713	\$(10,372,776)	\$(2,914,063)
Lifestyle Blend Growth Portfolio	1,105,680,186	34,842,554	(50,188,541)	(15,345,987)
Lifestyle Blend Balanced Portfolio	1,223,349,542	31,105,503	(73,801,073)	(42,695,570)
Lifestyle Blend Moderate Portfolio	394,472,788	7,819,005	(29,375,278)	(21,556,273)
Lifestyle Blend Conservative Portfolio	330,458,711	3,916,774	(28,589,585)	(24,672,811)

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 portfolios generally declare and pay dividends from net investment income annually. All portfolios generally declare and pay capital gain distributions, if any, annually.

The tax character of distributions for the year ended August 31, 2023 was as follows:

Portfolio	Ordinary Income	Long Term Capital Gains	Total
Lifestyle Blend Aggressive Portfolio	\$5,764,078	\$48,082,253	\$53,846,331
Lifestyle Blend Growth Portfolio	17,792,036	95,043,192	112,835,228
Lifestyle Blend Balanced Portfolio	23,719,019	75,778,676	99,497,695
Lifestyle Blend Moderate Portfolio	8,755,989	11,599,857	20,355,846
Lifestyle Blend Conservative Portfolio	8,915,172	3,887,060	12,802,232

The tax character of distributions for the year ended August 31, 2022 was as follows:

Portfolio	Ordinary Income	Long Term Capital Gains	Total
Lifestyle Blend Aggressive Portfolio	\$12,801,500	\$25,173,069	\$37,974,569
Lifestyle Blend Growth Portfolio	27,444,093	44,626,295	72,070,388
Lifestyle Blend Balanced Portfolio	29,831,222	40,158,306	69,989,528
Lifestyle Blend Moderate Portfolio	8,756,124	8,100,871	16,856,995
Lifestyle Blend Conservative Portfolio	7,674,012	5,943,117	13,617,129

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. As of August 31, 2023, the components of distributable earnings on a tax basis were as follows:

Portfolio	Undistributed Ordinary Income
Lifestyle Blend Aggressive Portfolio	\$825,870
Lifestyle Blend Growth Portfolio	4,926,043
Lifestyle Blend Balanced Portfolio	3,192,167
Lifestyle Blend Moderate Portfolio	1,380,195
Lifestyle Blend Conservative Portfolio	1,475,723

Such distributions and distributable earnings, 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. 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 year ended August 31, 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			
	Class A	Class R6	Class 1	Total
Lifestyle Blend Aggressive Portfolio	\$4,038	\$1,137	\$30,356	\$35,531
Lifestyle Blend Growth Portfolio	3	5	115	123
Lifestyle Blend Balanced Portfolio	26	4	222	252
Lifestyle Blend Moderate Portfolio	17,269	1,276	49,652	68,197
Lifestyle Blend Conservative Portfolio	23,755	1,378	58,854	83,987

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 year ended August 31, 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 year ended August 31, 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 year ended August 31, 2023:

	Lifestyle Blend Aggressive Portfolio	Lifestyle Blend Growth Portfolio	Lifestyle Blend Balanced Portfolio	Lifestyle Blend Moderate Portfolio	Lifestyle Blend Conservative Portfolio
Total sales charges	\$3,307	\$4,029	\$5,772	\$921	\$10,080
Retained for printing prospectus, advertising and sales literature	561	692	935	142	2,044
Sales commission to unrelated broker-dealers	2,746	3,337	4,837	779	8,036

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 year ended August 31, 2023, CDSCs received by the Distributor for Class A shares were as follows:

Portfolio	Class A
Lifestyle Blend Growth Portfolio	\$9

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 year ended August 31, 2023 were as follows:

Portfolio	Class	Distribution and service fees	Transfer agent fees
Lifestyle Blend Aggressive Portfolio	Class A	\$152,712	\$58,762
	Class R6	—	1,087
	Class 1	200,021	—
	Total	\$352,733	\$59,849
Lifestyle Blend Growth Portfolio	Class A	\$353,407	\$136,185
	Class R6	—	1,882
	Class 1	442,812	—
	Total	\$796,219	\$138,067
Lifestyle Blend Balanced Portfolio	Class A	\$538,315	\$207,584
	Class R6	—	1,318
	Class 1	432,900	—
	Total	\$971,215	\$208,902
Lifestyle Blend Moderate Portfolio	Class A	\$241,145	\$93,037
	Class R6	—	442
	Class 1	120,515	—
	Total	\$361,660	\$93,479
Lifestyle Blend Conservative Portfolio	Class A	\$233,715	\$90,074
	Class R6	—	304
	Class 1	98,541	—
	Total	\$332,256	\$90,378

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 years ended August 31, 2023 and 2022 were as follows:

Lifestyle Blend Aggressive Portfolio	Year Ended 8-31-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	3,058,325	\$34,267,280	4,125,877	\$56,326,325
Distributions reinvested	516,573	5,315,539	140,010	2,003,541
Repurchased	(1,793,310)	(20,121,992)	(1,183,748)	(15,564,432)
Net increase	1,781,588	\$19,460,827	3,082,139	\$42,765,434
Class R6 shares				
Sold	408,252	\$4,506,483	721,627	\$9,635,790
Distributions reinvested	158,946	1,633,965	65,388	935,046
Repurchased	(263,026)	(2,867,870)	(413,498)	(5,325,653)
Net increase	304,172	\$3,272,578	373,517	\$5,245,183
Class 1 shares				
Sold	2,854,812	\$32,067,123	1,859,001	\$24,774,297
Distributions reinvested	4,566,348	46,896,397	2,451,775	35,035,864
Repurchased	(4,559,536)	(50,796,693)	(3,831,817)	(51,998,846)
Net increase	2,861,624	\$28,166,827	478,959	\$7,811,315
Total net increase	4,947,384	\$50,900,232	3,934,615	\$55,821,932
Lifestyle Blend Growth Portfolio				
	Year Ended 8-31-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	8,797,792	\$96,550,300	8,185,255	\$107,173,336
Distributions reinvested	1,149,935	11,648,838	245,890	3,383,450
Repurchased	(3,388,710)	(36,881,303)	(2,482,465)	(31,348,545)
Net increase	6,559,017	\$71,317,835	5,948,680	\$79,208,241
Class R6 shares				
Sold	514,163	\$5,531,542	750,550	\$9,379,375
Distributions reinvested	263,378	2,668,019	100,604	1,385,322
Repurchased	(313,334)	(3,377,318)	(221,437)	(2,901,268)
Net increase	464,207	\$4,822,243	629,717	\$7,863,429
Class 1 shares				
Sold	4,374,960	\$47,922,509	3,501,965	\$45,567,881
Distributions reinvested	9,744,356	98,515,443	4,894,656	67,301,517
Repurchased	(9,211,471)	(100,139,610)	(8,540,580)	(112,159,636)
Net increase (decrease)	4,907,845	\$46,298,342	(143,959)	\$709,762
Total net increase	11,931,069	\$122,438,420	6,434,438	\$87,781,432
Lifestyle Blend Balanced Portfolio				
	Year Ended 8-31-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	14,862,363	\$153,383,150	12,452,458	\$150,689,139
Distributions reinvested	1,539,079	14,987,629	346,418	4,343,222
Repurchased	(5,716,880)	(58,816,397)	(3,295,718)	(38,646,063)
Net increase	10,684,562	\$109,554,382	9,503,158	\$116,386,298
Class R6 shares				
Sold	543,367	\$5,518,878	331,329	\$3,837,817
Distributions reinvested	165,346	1,610,666	89,685	1,129,499
Repurchased	(233,349)	(2,386,174)	(305,821)	(3,678,333)
Net increase	475,364	\$4,743,370	115,193	\$1,288,983

Lifestyle Blend Balanced Portfolio , Cont'd	Year Ended 8-31-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class 1 shares				
Sold	5,664,840	\$58,310,318	3,743,294	\$44,052,205
Distributions reinvested	8,523,999	82,881,884	5,121,752	64,509,406
Repurchased	(9,311,827)	(96,171,715)	(9,594,117)	(117,146,364)
Net increase (decrease)	4,877,012	\$45,020,487	(729,071)	\$(8,584,753)
Total net increase	16,036,938	\$159,318,239	8,889,280	\$109,090,528
Lifestyle Blend Moderate Portfolio	Year Ended 8-31-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	7,019,249	\$69,961,193	6,079,218	\$68,475,220
Distributions reinvested	462,386	4,455,606	143,574	1,661,090
Repurchased	(2,681,662)	(26,721,917)	(2,075,531)	(22,676,098)
Net increase	4,799,973	\$47,694,882	4,147,261	\$47,460,212
Class R6 shares				
Sold	200,496	\$1,994,749	186,695	\$2,100,968
Distributions reinvested	37,075	357,524	21,996	255,860
Repurchased	(53,138)	(528,081)	(36,890)	(424,458)
Net increase	184,433	\$1,824,192	171,801	\$1,932,370
Class 1 shares				
Sold	2,437,966	\$24,418,099	2,268,359	\$25,663,683
Distributions reinvested	1,612,704	15,526,684	1,279,965	14,930,227
Repurchased	(4,366,463)	(43,429,354)	(3,850,681)	(43,470,223)
Net decrease	(315,793)	\$(3,484,571)	(302,357)	\$(2,876,313)
Total net increase	4,668,613	\$46,034,503	4,016,705	\$46,516,269
Lifestyle Blend Conservative Portfolio	Year Ended 8-31-23		Year Ended 8-31-22	
	Shares	Amount	Shares	Amount
Class A shares				
Sold	6,225,239	\$59,447,725	7,073,008	\$74,855,657
Distributions reinvested	344,324	3,221,677	151,037	1,613,309
Repurchased	(3,360,055)	(32,107,093)	(1,987,969)	(20,542,617)
Net increase	3,209,508	\$30,562,309	5,236,076	\$55,926,349
Class R6 shares				
Sold	367,049	\$3,509,314	119,508	\$1,219,255
Distributions reinvested	19,702	184,977	14,038	152,033
Repurchased	(44,938)	(432,774)	(59,987)	(654,259)
Net increase	341,813	\$3,261,517	73,559	\$717,029
Class 1 shares				
Sold	2,714,081	\$25,891,175	2,949,270	\$31,320,497
Distributions reinvested	1,004,760	9,382,936	1,091,698	11,844,103
Repurchased	(4,480,672)	(42,893,009)	(3,442,853)	(36,536,084)
Net increase (decrease)	(761,831)	\$(7,618,898)	598,115	\$6,628,516
Total net increase	2,789,490	\$26,204,928	5,907,750	\$63,271,894

Affiliates of the Trust owned 100% of shares of Class 1 on August 31, 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 year ended August 31, 2023:

Portfolio	Purchases		Sales	
	U.S. Government	Other issuers	U.S. Government	Other issuers
Lifestyle Blend Aggressive Portfolio	\$3,243,839	\$76,407,299	\$1,777,831	\$71,556,002
Lifestyle Blend Growth Portfolio	21,813,444	162,194,004	15,589,635	136,374,441
Lifestyle Blend Balanced Portfolio	39,157,765	209,071,162	29,997,817	133,570,764
Lifestyle Blend Moderate Portfolio	12,913,357	88,219,155	9,510,887	56,903,587
Lifestyle Blend Conservative Portfolio	11,684,127	82,296,467	9,354,841	63,090,901

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 August 31, 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	8.4%
Lifestyle Blend Growth Portfolio	John Hancock Funds II International Strategic Equity Allocation Fund	6.5%
Lifestyle Blend Balanced Portfolio	John Hancock Funds II U.S. Sector Rotation Fund	6.6%
Lifestyle Blend Balanced 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:

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	
Lifestyle Blend Aggressive Portfolio									
International Strategic Equity Allocation	13,884,613	\$110,269,765	\$19,128,458	\$(10,487,360)	\$(1,035,299)	\$10,834,801	\$2,664,969	—	\$128,710,365
John Hancock Collateral Trust*	278,787	1,640,245	154,509,763	(153,360,569)	(3,444)	931	16,358	—	2,786,926
U.S. Sector Rotation	15,921,640	145,043,629	9,236,739	(18,626,600)	(2,090,705)	19,284,685	1,403,393	\$2,446,577	152,847,748
					\$(3,129,448)	\$30,120,417	\$4,084,720	\$2,446,577	\$284,345,039
Lifestyle Blend Growth Portfolio									
International Strategic Equity Allocation	24,010,111	\$191,236,887	\$28,191,448	\$(14,108,628)	\$(1,300,253)	\$18,554,275	\$4,597,537	—	\$222,573,729
John Hancock Collateral Trust*	506,463	33,321,704	629,911,522	(658,171,677)	(7,865)	9,220	397,088	—	5,062,904
U.S. Sector Rotation	27,856,988	249,004,767	14,123,584	(25,928,014)	(2,814,184)	33,040,928	2,428,018	\$4,232,838	267,427,081
					\$(4,122,302)	\$51,604,423	\$7,422,643	\$4,232,838	\$495,063,714
Lifestyle Blend Balanced Portfolio									
International Strategic Equity Allocation	18,395,230	\$142,932,974	\$24,939,509	\$(10,610,023)	\$(848,583)	\$14,109,909	\$3,432,067	—	\$170,523,786
John Hancock Collateral Trust*	4,845,620	89,371,209	701,435,264	(742,350,343)	(36,199)	19,795	818,235	—	48,439,726
U.S. Sector Rotation	21,797,420	184,727,022	15,876,970	(14,717,030)	(1,773,632)	25,141,906	1,836,484	\$3,201,598	209,255,236
					\$(2,658,414)	\$39,271,610	\$6,086,786	\$3,201,598	\$428,218,748

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	
Lifestyle Blend Moderate Portfolio									
International Strategic Equity Allocation	3,686,984	\$28,003,946	\$7,907,600	\$(4,434,831)	\$(381,923)	\$3,083,550	\$681,320	—	\$34,178,342
John Hancock Collateral Trust*	2,531,278	37,572,000	443,129,841	(455,399,300)	(5,551)	7,189	400,450	—	25,304,179
U.S. Sector Rotation	4,275,268	36,300,225	7,727,098	(7,578,055)	(857,324)	5,450,630	370,365	\$645,670	41,042,574
					\$(1,244,798)	\$8,541,369	\$1,452,135	\$645,670	\$100,525,095
Lifestyle Blend Conservative Portfolio									
International Strategic Equity Allocation	1,297,686	\$10,181,763	\$4,207,080	\$(3,393,152)	\$(310,386)	\$1,344,246	\$250,145	—	\$12,029,551
John Hancock Collateral Trust*	1,998,558	39,033,032	440,768,839	(459,826,733)	(1,623)	5,267	421,350	—	19,978,782
U.S. Sector Rotation	1,451,388	13,247,923	4,942,601	(5,783,904)	(716,930)	2,243,632	137,107	\$239,022	13,933,322
					\$(1,028,939)	\$3,593,145	\$808,602	\$239,022	\$45,941,655

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

Report of Independent Registered Public Accounting Firm

To the Board of Trustees of John Hancock Funds II and Shareholders of Lifestyle Blend Aggressive Portfolio, Lifestyle Blend Growth Portfolio, Lifestyle Blend Balanced Portfolio, Lifestyle Blend Moderate Portfolio and Lifestyle Blend Conservative Portfolio

Opinions on the Financial Statements

We have audited the accompanying statements of assets and liabilities, including the portfolios' investments, of Lifestyle Blend Aggressive Portfolio, Lifestyle Blend Growth Portfolio, Lifestyle Blend Balanced Portfolio, Lifestyle Blend Moderate Portfolio and Lifestyle Blend Conservative Portfolio (five of the funds constituting John Hancock Funds II, hereafter collectively referred to as the "Portfolios") as of August 31, 2023, the related statements of operations for the year ended August 31, 2023, the statements of changes in net assets for each of the two years in the period ended August 31, 2023, including the related notes, and the financial highlights for each of the periods indicated therein (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of each of the Portfolios as of August 31, 2023, the results of each of their operations for the year then ended, the changes in each of their net assets for each of the two years in the period ended August 31, 2023 and each of the financial highlights for each of the periods indicated therein in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinions

These financial statements are the responsibility of the Portfolios' management. Our responsibility is to express an opinion on the Portfolios' financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Portfolios in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of August 31, 2023 by correspondence with the custodian, transfer agent and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinions.

/s/ PricewaterhouseCoopers LLP

Boston, Massachusetts

October 4, 2023

We have served as the auditor of one or more investment companies in the John Hancock group of funds since 1988.

Tax information

(Unaudited)

For federal income tax purposes, the following information is furnished with respect to the distributions of the portfolios, if any, paid during its taxable year ended August 31, 2023.

Dividend Received Deduction Each portfolio reports the maximum amount allowable of its net taxable income as eligible for the corporate dividends-received deduction.

Qualified Dividend Income Each portfolio reports the maximum amount allowable of its net taxable income as qualified dividend income as provided in the Jobs and Growth Tax Relief Reconciliation Act of 2003.

Each portfolio reports the maximum amount allowable as Section 163(j) Interest Dividends

Each portfolio reports the maximum amount allowable of its Section 199A dividends as defined in Proposed Treasury Regulation §1.199A-3(d).

The portfolios below have the following amounts as foreign tax credits, which represent taxes paid on the income derived from foreign sources:

Portfolio	Foreign sourced income	Foreign tax credit
Lifestyle Blend Aggressive Portfolio	\$3,801,044	\$507,330
Lifestyle Blend Growth Portfolio	6,654,866	873,757
Lifestyle Blend Balanced Portfolio	4,881,976	632,216
Lifestyle Blend Moderate Portfolio	966,085	121,402

Long Term Capital Gains The portfolios below paid the following amounts in capital gain dividends:

Portfolio	Long term capital gains
Lifestyle Blend Aggressive Portfolio	\$48,082,253
Lifestyle Blend Growth Portfolio	95,043,192
Lifestyle Blend Balanced Portfolio	75,778,676
Lifestyle Blend Moderate Portfolio	11,599,857
Lifestyle Blend Conservative Portfolio	3,887,060

Eligible shareholders will be mailed a 2023 Form 1099-DIV in early 2024. This will reflect the tax character of all distributions paid in calendar year 2023.

Please consult a tax advisor regarding the tax consequences of your investment in a portfolio.

EVALUATION OF ADVISORY AND SUBADVISORY AGREEMENTS BY THE BOARD OF TRUSTEES

This section describes the evaluation by the Board of Trustees (the Board) of John Hancock Funds II (the Trust) of the Advisory Agreement (the Advisory Agreement) and the Subadvisory Agreement (the Subadvisory Agreement) with respect to each of the portfolios of the Trust included in this report (the Funds). The Advisory Agreement and Subadvisory Agreement are collectively referred to as the Agreements. Prior to the June 26-29, 2023 meeting at which the Agreements were approved, the Board also discussed and considered information regarding the proposed continuation of the Agreements at a meeting held on May 30-June 1, 2023. The Trustees who are not "interested persons" of the Trust as defined by the Investment Company Act of 1940, as amended (the 1940 Act) (the Independent Trustees) also met separately to evaluate and discuss the information presented, including with counsel to the Independent Trustees and a third-party consulting firm.

Approval of Advisory and Subadvisory Agreements

At meetings held on June 26-29, 2023, the Board, including the Trustees who are not parties to any Agreement or considered to be interested persons of the Trust under the 1940 Act, reapproved for an annual period, the continuation of the Advisory Agreement between the Trust and John Hancock Investment Management, LLC (the Advisor) and the Subadvisory Agreement between the Advisor and Manulife Investment Management (US) (the Subadvisor) with respect to each of the Funds identified in Appendix A.

In considering the Advisory Agreement and the Subadvisory Agreement with respect to each Fund, the Board received in advance of the meetings a variety of materials relating to each Fund, the Advisor and the Subadvisor, including comparative performance, fee and expense information for peer groups of similar funds prepared by an independent third-party provider of fund data; performance information for the Funds' benchmark indices; and, with respect to the Subadvisor, comparative performance information for comparably managed accounts, as applicable; and other information provided by the Advisor and the Subadvisor regarding the nature, extent and quality of services provided by the Advisor and the Subadvisor under their respective Agreements, as well as information regarding the Advisor's revenues and costs of providing services to the Funds and any compensation paid to affiliates of the Advisor. At the meetings at which the renewal of the Advisory Agreement and Subadvisory Agreement are considered, particular focus is given to information concerning Fund performance, comparability of fees and total expenses, and profitability. However, the Board noted that the evaluation process with respect to the Advisor and the Subadvisor is an ongoing one. In this regard, the Board also took into account discussions with management and information provided to the Board (including its various committees) at prior meetings with respect to the services provided by the Advisor and the Subadvisor to the Funds, including quarterly performance reports prepared by management containing reviews of investment results, and prior presentations from the Subadvisor with respect to the Funds. The information received and considered by the Board in connection with the May and June meetings and throughout the year was both written and oral. The Board noted the affiliation of the Subadvisor with the Advisor, noting any potential conflicts of interest. The Board also considered the nature, quality, and extent of the services to be provided to the Funds by the Advisor's affiliates, including distribution services. The Board considered the Advisory Agreement and the Subadvisory Agreement separately in the course of its review. In doing so, the Board noted the respective roles of the Advisor and Subadvisor in providing services to the Funds. In addition, although the Board approved the renewal of the Agreements for all of the Funds at the June meeting, the Board considered each Fund separately.

Throughout the process, the Board asked questions of and requested additional information from management. The Board is assisted by counsel for the Trust and the Independent Trustees are also separately assisted by independent legal counsel throughout the process. The Independent Trustees also received a memorandum from their independent legal counsel discussing the legal standards for their consideration of the proposed continuation of the Agreements and discussed the proposed continuation of the Agreements in private sessions with their independent legal counsel at which no representatives of management were present.

Approval of Advisory Agreement

In approving the Advisory Agreement with respect to each Fund, the Board, including the Independent Trustees, considered a variety of factors, including those discussed below. The Board also considered other factors (including conditions and trends prevailing generally in the economy, the securities markets and the industry) and did not treat any single factor as determinative, and each Trustee may have attributed different weights to different factors. The Board's conclusions may be based in part on its consideration of the advisory and subadvisory arrangements in prior years and on the Board's ongoing regular review of Fund performance and operations throughout the year.

Nature, extent, and quality of services. Among the information received by the Board from the Advisor relating to the nature, extent and quality of services provided to the Funds, the Board reviewed information provided by the Advisor relating to its operations and personnel, descriptions of its organizational and management structure, and information regarding the Advisor's compliance and regulatory history, including its Form ADV. The Board also noted that on a regular basis it receives and reviews information from the Trust's Chief Compliance Officer (CCO) regarding the Funds' compliance policies and procedures established pursuant to Rule 38a-1 under the 1940 Act. The Board observed that the scope of services provided by the Advisor, and of the undertakings required of the Advisor in connection with those services, including maintaining and monitoring its own and the fund's compliance programs, risk management programs, liquidity management programs, derivatives risk management programs, and cybersecurity programs, had expanded over time as a result of regulatory, market and other developments. The Board considered that the Advisor is responsible for the management of the day-to-day operations of the Funds, including but not limited to, general supervision of and coordination of the services provided by the Subadvisor, and is also responsible for monitoring and reviewing the activities of the Subadvisor and third-party service providers. The Board also considered the significant risks assumed by the Advisor in connection with the services provided to the Funds including entrepreneurial risk in sponsoring new Funds and ongoing risks including investment, operational, enterprise, litigation, regulatory and compliance risks with respect to all Funds.

In considering the nature, extent and quality of the services provided by the Advisor, the Trustees also took into account their knowledge of the Advisor's management and the quality of the performance of the Advisor's duties, through Board meetings, discussions and reports during the preceding year and through each Trustee's experience as a Trustee of the Trust and of the other trusts in the complex.

In the course of their deliberations regarding the Advisory Agreement, the Board considered, among other things:

- (a) the skills and competency with which the Advisor has in the past managed the Trust's affairs and its subadvisory relationships, the Advisor's oversight and monitoring of the Subadvisor's investment performance and compliance programs, such as the Subadvisor's compliance with fund policies and objectives, review of brokerage matters, including with respect to trade allocation and best execution and the Advisor's timeliness in responding to performance issues;
- (b) the background, qualifications and skills of the Advisor's personnel;
- (c) the Advisor's compliance policies and procedures and its responsiveness to regulatory changes and fund industry developments;
- (d) the Advisor's administrative capabilities, including its ability to supervise the other service providers for the Funds, as well as the Advisor's oversight of any securities lending activity, its monitoring of class action litigation and collection of class action settlements on behalf of the Funds, and bringing loss recovery actions on behalf of the Funds;
- (e) the financial condition of the Advisor and whether it has the financial wherewithal to provide a high level and quality of services to the Funds;
- (f) the Advisor's initiatives intended to improve various aspects of the Trust's operations and investor experience with the Funds; and
- (g) the Advisor's reputation and experience in serving as an investment advisor to the Trust and the benefit to shareholders of investing in funds that are part of a family of funds offering a variety of investments.

The Board concluded that the Advisor may reasonably be expected to continue to provide a high quality of services under the Advisory Agreement with respect to the Funds.

Investment performance. In considering each Fund's performance, the Board noted that it reviews at its regularly scheduled meetings information about the Funds' performance results. In connection with the consideration of the Advisory Agreement, the Board:

- (a) reviewed information prepared by management regarding the Funds' performance;
- (b) considered the comparative performance of each Fund's respective benchmark index;
- (c) considered the performance of comparable funds, if any, as included in the report prepared by an independent third-party provider of fund data; and
- (d) took into account the Advisor's analysis of each Fund's performance and its plans and recommendations regarding the Trust's subadvisory arrangement generally and with respect to particular Funds.

The Board noted that while it found the data provided by the independent third-party generally useful it recognized its limitations, including in particular that the data may vary depending on the end date selected and that the results of the performance comparisons may vary depending on the selection of the peer group. The Board reviewed Fund performance against each Fund's respective peer group median and benchmark index and concluded that the performance of certain Funds has generally been in line with or generally outperformed the historical performance of comparable funds based on the median percentile with certain exceptions noted in Appendix A. In such cases, the Board concluded that the Fund's performance is being monitored and reasonably addressed, where appropriate.

Fees and expenses. The Board reviewed comparative information prepared by an independent third-party provider of fund data including, among other data, each Fund's contractual and net management fees (and subadvisory fees, to the extent available) and total expenses as compared to similarly situated investment companies deemed to be comparable to the Fund in light of the nature, extent and quality of the management and advisory and subadvisory services provided by the Advisor and the Subadvisor. The Board considered each Fund's ranking within a smaller group of peer funds chosen by the independent third-party provider, as well as the Fund's ranking within broader groups of funds. In comparing each Fund's contractual and net management fees to that of comparable funds, the Board noted that such fees include both advisory and administrative costs.

The Board took into account management's discussion of the Funds' expenses. The Board also took into account management's discussion with respect to the overall management fee and the fees of the Subadvisor, including the amount of the advisory fee retained by the Advisor after payment of the subadvisory fee, in each case in light of the services rendered for those amounts and the risks undertaken by the Advisor. The Board also noted that the Advisor pays the subadvisory fees of the Funds. In addition, the Board took into account that management had agreed to implement an overall fee waiver across the complex, which is discussed further below. The Board also noted actions taken over the past several years to reduce the Funds' operating expenses. The Board also noted that, in addition, the Advisor is currently waiving fees and/or reimbursing expenses with respect to each Fund and that each Fund has breakpoints in its contractual management fee schedule that reduces management fees as assets increase. The Board reviewed information provided by the Advisor concerning investment advisory fees charged by the Advisor or one of its advisory affiliates to other clients (including other funds in the complex) having similar investment mandates, if any. The Board considered any differences between the Advisor's and a Subadvisor's services to a Fund and the services they provide to other comparable clients or funds. The Board concluded that the advisory fee paid with respect to each of the Funds is reasonable in light of the nature, extent and quality of the services provided to the Funds under the Advisory Agreement.

In addition, the Trustees reviewed the advisory fee to be paid to the Advisor for each Fund and noted that the Advisor has evaluated the complexity of the structure and fees and expenses associated with each Fund's investments in the underlying portfolios and the Advisor made a finding that each Fund's expenses do not duplicate the fees and expenses of the underlying portfolios.

Profitability/indirect benefits. In considering the costs of the services to be provided and the profits to be realized by the Advisor and its affiliates (including the Subadvisor) from the Advisor's relationship with the Trust, the Board:

- (a) reviewed financial information of the Advisor;

- (b) reviewed and considered information presented by the Advisor regarding the net profitability to the Advisor and its affiliates, of each Fund;
- (c) received and reviewed profitability information with respect to the John Hancock Fund Complex as a whole and with respect to each Fund;
- (d) received information with respect to the Advisor's allocation methodologies used in preparing the profitability data and considered that the Advisor hired an independent third-party consultant to provide an analysis of the Advisor's allocation methodologies;
- (e) considered that the John Hancock insurance companies that are affiliates of the Advisor, as shareholders of the Trust directly or through their separate accounts, receive certain tax credits or deductions relating to foreign taxes paid and dividends received by certain Funds of the Trust and noted that these tax benefits, which are not available to participants in qualified retirement plans under applicable income tax law, are reflected in the profitability analysis reviewed by the Board;
- (f) considered that the Advisor also provides administrative services to the Funds on a cost basis pursuant to an administrative services agreement;
- (g) noted that affiliates of the Advisor provide transfer agency services and distribution services to the funds, and that the Trust's distributor also receives Rule 12b-1 payments to support distribution of the products;
- (h) noted that the Funds' Subadvisor is an affiliate of the Advisor;
- (i) noted that the Advisor also derives reputational and other indirect benefits from providing advisory services to the Funds;
- (j) noted that the subadvisory fees for the Funds are paid by the Advisor;
- (k) with respect to each Fund, the Board noted that the advisory fee is in addition to the fees received by the Advisor and its affiliates with regard to the underlying funds in which the Funds may invest;
- (l) considered the Advisor's ongoing costs and expenditures necessary to improve services, meet new regulatory and compliance requirements, and adapt to other challenges impacting the fund industry; and
- (m) considered that the Advisor should be entitled to earn a reasonable level of profits in exchange for the level of services it provides to each Fund and the risks that it assumes as Advisor, including entrepreneurial, operational, reputational, litigation and regulatory risk.

Based upon its review, the Board concluded that the level of profitability, if any, of the Advisor and its affiliate (the Subadvisor), from their relationship with each Fund was reasonable and not excessive.

Economies of scale. In considering the extent to which a Fund may realize any economies of scale and whether fee levels reflect these economies of scale for the benefit of Fund shareholders, the Board:

- (a) considered that with respect to the John Hancock underlying funds in which the Funds invest, the Advisor has agreed to waive a portion of its management fee for such funds and for each of the other John Hancock funds in the complex (except as discussed below) (the Participating Portfolios) or otherwise reimburse the expenses of the Participating Portfolios (the Reimbursement). This waiver is based upon the aggregate net assets of all the Participating Portfolios. (The funds that are not Participating Portfolios as of the date of this annual report are each of the funds of funds of the Trust and John Hancock Variable Insurance Trust and John Hancock Collateral Trust. The Funds also benefit from such overall management fee waiver through their investment in underlying funds that include certain of the Participating Portfolios, which are subject to the Reimbursement);
- (b) reviewed the Trust's advisory fee structure and concluded that (i) the Funds' fee structures contain breakpoints at the advisory fee level and (ii) although economies of scale cannot be measured with precision, these arrangements permit shareholders of the Funds to benefit from economies of scale if those Funds grow. The Board also took into account management's discussion of the Funds' advisory fee structure; and
- (c) considered the effect of the Funds' growth in size on their performance and fees. The Board also noted that if the Funds' assets increase over time, the Funds may realize other economies of scale.

Approval of Subadvisory Agreement

In making its determination with respect to approval of the Subadvisory Agreement, the Board reviewed:

- (1) information relating to each Subadvisor's business, including current subadvisory services to the Trust (and other funds in the John Hancock Fund Complex);
- (2) the historical and current performance of each Fund and comparative performance information relating to an applicable benchmark index and comparable funds; and
- (3) the subadvisory fee for each Fund, and to the extent available, and comparative fee information, where available, prepared by an independent third party provider of fund data.

Nature, extent, and quality of services. With respect to the services provided by the Subadvisor with respect to each Fund, the Board received information provided to the Board by the Subadvisor, including the Subadvisor's Form ADV, as well as took into account information presented throughout the past year. The Board considered the Subadvisor's current level of staffing and its overall resources, as well as received information relating to the Subadvisor's compensation program. The Board reviewed the Subadvisor's history and investment experience, as well as information regarding the qualifications, background, and responsibilities of the Subadvisor's investment and compliance personnel who provide services to the Funds. The Board also considered, among other things, the Subadvisor's compliance program and any disciplinary history. The Board also considered the Subadvisor's risk assessment and monitoring process. The Board reviewed the Subadvisor's regulatory history, including whether it was involved in any regulatory actions or investigations as well as material litigation, and any settlements and amelioratory actions undertaken, as

appropriate. The Board noted that the Advisor conducts regular, periodic reviews of the Subadvisor and its operations, including regarding investment processes and organizational and staffing matters. The Board also noted that the CCO and his staff conduct regular, periodic compliance reviews with the Subadvisor and present reports to the Independent Trustees regarding the same, which includes evaluating the regulatory compliance systems of the Subadvisor and procedures reasonably designed to assure compliance with the federal securities laws. The Board also took into account the financial condition of the Subadvisor.

The Board considered the Subadvisor's investment process and philosophy. The Board took into account that the Subadvisor's responsibilities include the development and maintenance of an investment program for the applicable Fund that is consistent with the Fund's investment objective, the selection of investment securities and the placement of orders for the purchase and sale of such securities, as well as the implementation of compliance controls related to performance of these services. The Board also received information with respect to the Subadvisor's brokerage policies and practices, including with respect to best execution and soft dollars.

Subadvisor compensation. In considering the cost of services to be provided by the Subadvisor and the profitability to that Subadvisor of its relationship with the Funds, the Board noted that the fees under the Subadvisory Agreement are paid by the Advisor and not the Funds. The Board also received information and took into account any other potential conflicts of interest the Advisor might have in connection with the Subadvisory Agreement.

In addition, the Board considered other potential indirect benefits that the Subadvisor and its affiliates may receive from the Subadvisor's relationship with the Funds, such as the opportunity to provide advisory services to additional funds in the John Hancock fund complex and reputational benefits.

Subadvisory fees. The Board considered that each Fund pays an advisory fee to the Advisor and that, in turn, the Advisor pays a subadvisory fee to the Subadvisor. As noted above, the Board also considered, if available, each Fund's subadvisory fees as compared to similarly situated investment companies deemed to be comparable to the Fund as included in the report prepared by the independent third party provider of fund data, to the extent applicable. The Board noted that the limited size of the Lipper peer group was not sufficient for comparative purposes. The Board also took into account the subadvisory fees paid by the Advisor to the Subadvisor with respect to the Funds and compared them to fees charged by each Fund's Subadvisor to manage other subadvised portfolios and portfolios not subject to regulation under the 1940 Act, as applicable.

Subadvisor performance. As noted above, the Board considered each Fund's performance as compared to the Fund's peer group median and the benchmark index and noted that the Board reviews information about the Fund's performance results at its regularly scheduled meetings. The Board noted the Advisor's expertise and resources in monitoring the performance, investment style, and risk-adjusted performance of the Subadvisor. The Board was mindful of the Advisor's focus on the Subadvisor's performance. The Board also noted the Subadvisor's long-term performance record for similar accounts, as applicable.

The Board's decision to approve the Subadvisory Agreement with respect to each Fund was based on a number of determinations, including the following:

- (1) the Subadvisor has extensive experience and demonstrated skills as a manager;
- (2) the performance of certain Funds has generally been in line with or generally outperformed the historical performance of comparable funds based on the median percentile, with certain exceptions noted in Appendix A (with respect to such exceptions, the Board concluded that the Fund's performance is being monitored and reasonably addressed, where appropriate);
- (3) the subadvisory fees are reasonable in relation to the level and quality of services being provided under the Subadvisory Agreement; and
- (4) the subadvisory fees are paid by the Advisor and not the Funds.

In addition, the Trustees reviewed the subadvisory fee to be paid to the Subadvisor for each Fund and noted that the Advisor has evaluated the complexity of the structure and fees and expenses associated with each Fund's investments in the underlying portfolios and that the Advisor made a finding that each Fund's expenses do not duplicate the fees and expenses of the underlying portfolios.

Additional information relating to each Fund's fees and expenses and performance that the Board considered in approving the Advisory Agreement and Subadvisory Agreement for a particular Fund is set forth in Appendix A.

Based on the Board's evaluation of all factors that the Board deemed to be material, including those factors described above, the Board, including the Independent Trustees, concluded that renewal of the Advisory Agreement and the Subadvisory Agreement with respect to each Fund would be in the best interest of each of the respective Funds and its shareholders. Accordingly, the Board, and the Independent Trustees voting separately, approved the Advisory Agreement and Subadvisory Agreement with respect to each Fund for an additional one-year period.

APPENDIX A

Portfolio (subadvisor)	Performance of fund, as of 12.31.2022	Fees and expenses	Comments
<p>Lifestyle Blend Aggressive Portfolio (formerly, Multi-Index Lifestyle Aggressive Portfolio)</p> <p>(Manulife Investment Management (US))</p>	<p>Benchmark Index – The fund outperformed for the one-year period and underperformed for the three- and five-year periods.</p> <p>Lipper Category – The fund outperformed the median for the one-, three- and five-year periods.</p>	<p>Subadvisor fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median.</p>	<p>The Board took into account management's discussion of the factors that contributed to the fund's performance relative to the benchmark index for the three- and five-year periods.</p> <p>The Board also noted the fund's favorable performance relative to the benchmark index for the one-year period and to the peer group median for the one-, three- and five-year periods.</p> <p>The Board took into account management's discussion of the fund's expenses.</p>
<p>Lifestyle Blend Growth Portfolio (formerly, Multi-Index Lifestyle Growth Portfolio)</p> <p>(Manulife Investment Management (US))</p>	<p>Benchmark Index – The fund outperformed for the one-year period and underperformed for the three- and five-year periods.</p> <p>Lipper Category – The fund outperformed the median for the five-year period, underperformed for the three-year period and performed in-line with the peer group median for the one-year period.</p>	<p>Subadvisor fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median.</p>	<p>The Board took into account management's discussion of the factors that contributed to the fund's performance relative to the benchmark index for the three- and five-year periods and relative to the peer group median for the three-year period.</p> <p>The Board also noted the fund's favorable performance relative to the benchmark index for the one-year period and relative to the peer group median for the one- and five-year periods.</p> <p>The Board took into account management's discussion of the fund's expenses.</p>
<p>Lifestyle Blend Balanced Portfolio (formerly, Multi-Index Lifestyle Balanced Portfolio)</p> <p>(Manulife Investment Management (US))</p>	<p>Benchmark Index – The fund underperformed for the one-, three- and five-year periods.</p> <p>Lipper Category – The fund underperformed the median for the one-, three- and five-year periods.</p>	<p>Subadvisor fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median.</p>	<p>The Board took into account management's discussion of the factors that contributed to the fund's performance relative to the benchmark index and the peer group median for the one-, three-, and five-year periods including the impact of past and current market conditions on the fund's strategy and management's outlook for the fund.</p> <p>The Board concluded that the fund's performance is being monitored and reasonably addressed, where appropriate.</p> <p>The Board took into account management's discussion of the fund's expenses.</p>

Portfolio (subadvisor)	Performance of fund, as of 12.31.2022	Fees and expenses	Comments
<p>Lifestyle Blend Moderate Portfolio (formerly, Multi-Index Lifestyle Moderate Portfolio)</p> <p>(Manulife Investment Management (US))</p>	<p>Benchmark Index – The fund outperformed for the one-year period and underperformed for the three- and five-year periods.</p> <p>Lipper Category – The fund outperformed the median for the five-year period and underperformed for the one- and three-year periods.</p>	<p>Subadvisor fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median</p>	<p>The Board took into account management's discussion of the factors that contributed to the fund's performance relative to the benchmark index for the three- and five-year periods and relative to the peer group median for the one- and three-year periods.</p> <p>The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the benchmark index for the one-year period and relative to the peer group median for the five-year period.</p>
<p>Lifestyle Blend Conservative Portfolio (formerly, Multi-Index Lifestyle Conservative Portfolio)</p> <p>(Manulife Investment Management (US))</p>	<p>Benchmark Index – The fund outperformed for the one- and three-year periods and underperformed for the five-year period.</p> <p>Lipper Category – The fund outperformed the median for the one- and five-year periods and performed in-line with the peer group median for the three-year period.</p>	<p>Subadvisor fee comparative data not provided due to limited size of Lipper peer group for this purpose.</p> <p>Net management fees for this fund are higher than the peer group median.</p> <p>Total expenses for this fund are lower than the peer group median.</p>	<p>The Board took into account management's discussion of the factors that contributed to the fund's performance relative to the benchmark index for the five-year period.</p> <p>The Board took into account management's discussion of the fund's performance, including the favorable performance relative to the benchmark for the one- and three-year periods and relative to the peer group median for the one-, three- and five-year periods.</p>

STATEMENT REGARDING LIQUIDITY RISK MANAGEMENT

Operation of the Liquidity Risk Management Program

This section describes the operation and effectiveness of the Liquidity Risk Management Program (LRMP) established in accordance with Rule 22e-4 under the Investment Company Act of 1940, as amended (the Liquidity Rule). The Board of Trustees (the Board) of each Fund in the John Hancock Group of Funds (each a Fund and collectively, the Funds) that is subject to the requirements of the Liquidity Rule has appointed John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (together, the Advisor) to serve as Administrator of the LRMP with respect to each of the Funds, including John Hancock Lifestyle Blend Aggressive Portfolio, John Hancock Lifestyle Blend Growth Portfolio, John Hancock Lifestyle Blend Balanced Portfolio, John Hancock Lifestyle Blend Moderate Portfolio, John Hancock Lifestyle Blend Conservative Portfolio, subject to the oversight of the Board. In order to provide a mechanism and process to perform the functions necessary to administer the LRMP, the Advisor established the Liquidity Risk Management Committee (the Committee). The Portfolios' subadvisor(s), Manulife Investment Management (US) LLC (the Subadvisor) executes the day-to-day investment management and security-level activities of the Fund in accordance with the requirements of the LRMP, subject to the supervision of the Advisor and the Board.

The Committee receives monthly reports and holds quarterly in person meetings to: (1) review the day-to-day operations of the LRMP; (2) monitor current market and liquidity conditions and assess liquidity risks; (3) review and approve month-end liquidity classifications; (4) monitor illiquid investment levels against the 15% limit on illiquid investments and established Highly Liquid Investment Minimums (HLIMs), if any; (5) review quarterly testing and determinations, as applicable; (6) review redemption-in-kind activities; and (7) review other LRMP related material. The Advisor also conducts daily, monthly, quarterly, and annual quantitative and qualitative assessments of each subadvisor to a Fund that is subject to the requirements of the Liquidity Rule and is a part of the LRMP to monitor investment performance issues, risks and trends. In addition, the Advisor may conduct ad-hoc reviews and meetings with subadvisors as issues and trends are identified, including potential liquidity issues. The Committee also monitors global events, such as the ongoing Russian invasion of Ukraine and related U.S. imposed sanctions on the Russian government, companies and oligarchs, and other amendments to the Office of Foreign Assets Control sanctioned company lists, that could impact the markets and liquidity of portfolio investments and their classifications. In addition, the Committee monitors macro events and assesses their potential impact on liquidity brought on by fear of contagion (e.g. regional banking crisis).

The Committee provided the Board at a meeting held on March 28-30, 2023 with a written report which addressed the Committee's assessment of the adequacy and effectiveness of the implementation and operation of the LRMP and any material changes to the LRMP. The report, which covered the period January 1, 2022 through December 31, 2022, included an assessment of important aspects of the LRMP including, but not limited to: (1) Security-level liquidity classifications; (2) Fund-level liquidity risk assessment; (3) Reasonably Anticipated Trade Size (RATS) determination; (4) HLIM determination and daily monitoring; (5) Daily compliance with the 15% limit on illiquid investments; (6) Operation of the Fund's Redemption-In-Kind Procedures; and (7) Review of liquidity management facilities.

The report provided an update on Committee activities over the previous year. Additionally, the report included a discussion of notable changes and enhancements to the LRMP implemented during 2022 and key initiatives for 2023.

The report also covered material liquidity matters which occurred or were reported during this period applicable to the Fund, if any, and the Committee's actions to address such matters.

The report stated, in relevant part, that during the period covered by the report:

- The Fund's investment strategy remained appropriate for an open-end fund structure;
- The Fund was able to meet requests for redemption without significant dilution of remaining shareholders' interests in the Fund;
- The Fund did not experience any breaches of the 15% limit on illiquid investments, or any applicable HLIM, that would require reporting to the Securities and Exchange Commission;
- The Fund continued to qualify as a Primarily Highly Liquid Fund under the Liquidity Rule and therefore is not required to establish a HLIM; and
- The Chief Compliance Officer's office, as a part of their annual Rule 38a-1 assessment of the Fund's policies and procedures, reviewed the LRMP's control environment and deemed it to be operating effectively and in compliance with the Board approved procedures.

Adequacy and Effectiveness

Based on the annual review and assessment conducted by the Committee, the Committee has determined that the LRMP and its controls have been implemented and are operating in a manner that is adequately and effectively managing the liquidity risk of the Fund.

Trustees and Officers

This chart provides information about the Trustees and Officers who oversee your John Hancock fund. Officers elected by the Trustees manage the day-to-day operations of the fund and execute policies formulated by the Trustees.

Independent Trustees

Name, year of birth Position(s) held with Trust Principal occupation(s) and other directorships during past 5 years	Trustee of the Trust since ¹	Number of John Hancock funds overseen by Trustee
Hassell H. McClellan,² Born: 1945 <i>Trustee and Chairperson of the Board</i> Director/Trustee, Virtus Funds (2008-2020); Director, The Barnes Group (2010-2021); Associate Professor, The Wallace E. Carroll School of Management, Boston College (retired 2013). Trustee (since 2005) and Chairperson of the Board (since 2017) of various trusts within the John Hancock Fund Complex.	2005	186
James R. Boyle, Born: 1959 <i>Trustee</i> Board Member, United of Omaha Life Insurance Company (since 2022). Board Member, Mutual of Omaha Investor Services, Inc. (since 2022). Foresters Financial, Chief Executive Officer (2018–2022) and board member (2017–2022). Manulife Financial and John Hancock, more than 20 years, retiring in 2012 as Chief Executive Officer, John Hancock and Senior Executive Vice President, Manulife Financial. Trustee of various trusts within the John Hancock Fund Complex (2005–2014 and since 2015).	2015	183
William H. Cunningham,³ Born: 1944 <i>Trustee</i> Professor, University of Texas, Austin, Texas (since 1971); former Chancellor, University of Texas System and former President of the University of Texas, Austin, Texas; Director (since 2006), Lincoln National Corporation (insurance); Director, Southwest Airlines (since 2000). Trustee of various trusts within the John Hancock Fund Complex (since 1986).	2012	184
Noni L. Ellison,[*] Born: 1971 <i>Trustee</i> Senior Vice President, General Counsel & Corporate Secretary, Tractor Supply Company (rural lifestyle retailer) (since 2021); General Counsel, Chief Compliance Officer & Corporate Secretary, Carestream Dental, L.L.C. (2017–2021); Associate General Counsel & Assistant Corporate Secretary, W.W. Grainger, Inc. (global industrial supplier) (2015–2017); Board Member, Goodwill of North Georgia, 2018 (FY2019)–2020 (FY2021); Board Member, Howard University School of Law Board of Visitors (since 2021); Board Member, University of Chicago Law School Board of Visitors (since 2016); Board member, Children's Healthcare of Atlanta Foundation Board (2021–present). Trustee of various trusts within the John Hancock Fund Complex (since 2022).	2022	183
Grace K. Fey, Born: 1946 <i>Trustee</i> Chief Executive Officer, Grace Fey Advisors (since 2007); Director and Executive Vice President, Frontier Capital Management Company (1988–2007); Director, Fiduciary Trust (since 2009). Trustee of various trusts within the John Hancock Fund Complex (since 2008).	2008	186
Dean C. Garfield,[*] Born: 1968 <i>Trustee</i> Vice President, Netflix, Inc. (since 2019); President & Chief Executive Officer, Information Technology Industry Council (2009–2019); NYU School of Law Board of Trustees (since 2021); Member, U.S. Department of Transportation, Advisory Committee on Automation (since 2021); President of the United States Trade Advisory Council (2010–2018); Board Member, College for Every Student (2017–2021); Board Member, The Seed School of Washington, D.C. (2012–2017). Trustee of various trusts within the John Hancock Fund Complex (since 2022).	2022	183
Deborah C. Jackson, Born: 1952 <i>Trustee</i> President, Cambridge College, Cambridge, Massachusetts (since 2011); Board of Directors, Amwell Corporation (since 2020); Board of Directors, Massachusetts Women's Forum (2018-2020); Board of Directors, National Association of Corporate Directors/New England (2015-2020); Chief Executive Officer, American Red Cross of Massachusetts Bay (2002–2011); Board of Directors of Eastern Bank Corporation (since 2001); Board of Directors of Eastern Bank Charitable Foundation (since 2001); Board of Directors of Boston Stock Exchange (2002–2008); Board of Directors of Harvard Pilgrim Healthcare (health benefits company) (2007–2011). Trustee of various trusts within the John Hancock Fund Complex (since 2008).	2012	185
Steven R. Pruchansky, Born: 1944 <i>Trustee and Vice Chairperson of the Board</i> Managing Director, Pru Realty (since 2017); Chairman and Chief Executive Officer, Greenscapes of Southwest Florida, Inc. (2014-2020); Director and President, Greenscapes of Southwest Florida, Inc. (until 2010); Managing Director, Jon James, LLC (real estate) (since 2000); Partner, Right Funding, LLC (2014-2017); Director, First Signature Bank & Trust Company (until 1991); Director, Mast Realty Trust (until 1994); President, Maxwell Building Corp. (until 1991). Trustee (since 1992), Chairperson of the Board (2011–2012), and Vice Chairperson of the Board (since 2012) of various trusts within the John Hancock Fund Complex.	2012	183

Independent Trustees (continued)

Name, year of birth Position(s) held with Trust Principal occupation(s) and other directorships during past 5 years	Trustee of the Trust since ¹	Number of John Hancock funds overseen by Trustee
Frances G. Rathke, ³ Born: 1960	2020	183

Trustee

Director, Audit Committee Chair, Oatly Group AB (plant-based drink company) (since 2021); Director, Audit Committee Chair and Compensation Committee Member, Green Mountain Power Corporation (since 2016); Director, Treasurer and Finance & Audit Committee Chair, Flynn Center for Performing Arts (since 2016); Director and Audit Committee Chair, Planet Fitness (since 2016); Chief Financial Officer and Treasurer, Keurig Green Mountain, Inc. (2003-retired 2015). Trustee of various trusts within the John Hancock Fund Complex (since 2020).

Gregory A. Russo, Born: 1949	2012	183
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Trustee

Director and Audit Committee Chairman (2012-2020), and Member, Audit Committee and Finance Committee (2011-2020), NCH Healthcare System, Inc. (holding company for multi-entity healthcare system); Director and Member (2012-2018), and Finance Committee Chairman (2014-2018), The Moorings, Inc. (nonprofit continuing care community); Global Vice Chairman, Risk & Regulatory Matters, KPMG LLP (KPMG) (2002-2006); Vice Chairman, Industrial Markets, KPMG (1998-2002). Trustee of various trusts within the John Hancock Fund Complex (since 2008).

Non-Independent Trustees⁴

Name, year of birth Position(s) held with Trust Principal occupation(s) and other directorships during past 5 years	Trustee of the Trust since ¹	Number of John Hancock funds overseen by Trustee
Andrew G. Arnott, Born: 1971	2017	184

Non-Independent Trustee

Global Head of Retail for Manulife (since 2022); Head of Wealth and Asset Management, United States and Europe, for John Hancock and Manulife (2018-2023); Director and Chairman, John Hancock Investment Management LLC (since 2005, including prior positions); Director and Chairman, John Hancock Variable Trust Advisers LLC (since 2006, including prior positions); Director and Chairman, John Hancock Investment Management Distributors LLC (since 2004, including prior positions); President of various trusts within the John Hancock Fund Complex (2007-2023, including prior positions). Trustee of various trusts within the John Hancock Fund Complex (since 2017).

Paul Lorentz, [†] Born: 1968	2022	183
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Non-Independent Trustee

Global Head, Manulife Wealth and Asset Management (since 2017); General Manager, Manulife, Individual Wealth Management and Insurance (2013-2017); President, Manulife Investments (2010-2016). Trustee of various trusts within the John Hancock Fund Complex (since 2022).

Principal officers who are not Trustees

Name, year of birth Position(s) held with Trust Principal occupation(s) during past 5 years	Current Position(s) with the Trust since
Kristie M. Feinberg, Born: 1975	2023

President

Head of Wealth and Asset Management, United States and Europe, for John Hancock and Manulife (since 2023); CFO and Global Head of Strategy, Manulife Investment Management (2021-2023, including prior positions); CFO Americas & Global Head of Treasury, Invesco, Ltd., Invesco US (2019-2020, including prior positions); Senior Vice President, Corporate Treasurer and Business Controller, Oppenheimer Funds (2001-2019, including prior positions); President of various trusts within the John Hancock Fund Complex (since 2023).

Charles A. Rizzo, Born: 1957	2007
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Chief Financial Officer

Vice President, John Hancock Financial Services (since 2008); Senior Vice President, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (since 2008); Chief Financial Officer of various trusts within the John Hancock Fund Complex (since 2007).

Salvatore Schiavone, Born: 1965	2009
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Treasurer

Assistant Vice President, John Hancock Financial Services (since 2007); Vice President, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (since 2007); Treasurer of various trusts within the John Hancock Fund Complex (since 2007, including prior positions).

Principal officers who are not Trustees (continued)

Name, year of birth Position(s) held with Trust Principal occupation(s) during past 5 years	Current Position(s) with the Trust since
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Christopher (Kit) Sechler, Born: 1973 <i>Secretary and Chief Legal Officer</i> Vice President and Deputy Chief Counsel, John Hancock Investment Management (since 2015); Assistant Vice President and Senior Counsel (2009–2015), John Hancock Investment Management; Assistant Secretary of John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (since 2009); Chief Legal Officer and Secretary of various trusts within the John Hancock Fund Complex (since 2009, including prior positions).	2018
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Trevor Swanberg, Born: 1979 Chief Compliance Officer Chief Compliance Officer, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (since 2020); Deputy Chief Compliance Officer, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (2019–2020); Assistant Chief Compliance Officer, John Hancock Investment Management LLC and John Hancock Variable Trust Advisers LLC (2016–2019); Vice President, State Street Global Advisors (2015–2016); Chief Compliance Officer of various trusts within the John Hancock Fund Complex (since 2016, including prior positions).	2020
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The business address for all Trustees and Officers is 200 Berkeley Street, Boston, Massachusetts 02116-5023.

The Statement of Additional Information of the fund includes additional information about members of the Board of Trustees of the Trust and is available without charge, upon request, by calling 800-225-5291.

¹ Each Trustee holds office until his or her successor is duly elected and qualified, or until the Trustee's death, retirement, resignation, or removal. Mr. Boyle has served as Trustee at various times prior to the date listed in the table.

² Member of the Audit Committee as of September 26, 2023.

³ Member of the Audit Committee.

⁴ The Trustee is a Non-Independent Trustee due to current or former positions with the Advisor and certain affiliates.

* 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.

More information

Trustees

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

Officers

Kristie M. Feinberg[#]
President
Charles A. Rizzo
Chief Financial Officer
Salvatore Schiavone
Treasurer
Christopher (Kit) Sechler
Secretary and Chief Legal Officer
Trevor Swanberg
Chief Compliance Officer

^π Member of the Audit Committee as of September 26, 2023.

[†] Non-Independent Trustee

^{*} Member of the Audit Committee

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

[§] Effective September 21, 2023, Ms. Lizarraga is no longer a Trustee.

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

[#] Effective June 29, 2023.

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

Independent registered public accounting firm

PricewaterhouseCoopers LLP

You can also contact us:

800-225-5291

jhinvestments.com

Regular mail:

John Hancock Signature Services, Inc.
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Kansas City, MO 64121-9909

Express mail:

John Hancock Signature Services, Inc.
430 W 7th Street
Suite 219909
Kansas City, MO 64105-1407

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.

John Hancock ETFs are distributed by Foreside Fund Services, LLC, and are subadvised by Manulife Investment Management (US) LLC or Dimensional Fund Advisors LP. Foreside is not affiliated with John Hancock Investment Management Distributors LLC, Manulife Investment Management (US) LLC or Dimensional Fund Advisors LP.

Dimensional Fund Advisors LP receives compensation from John Hancock in connection with licensing rights to the John Hancock Dimensional indexes. Dimensional Fund Advisors LP does not sponsor, endorse, or sell, and makes no representation as to the advisability of investing in, John Hancock Multifactor ETFs.

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.



Investment Management

John Hancock Investment Management Distributors LLC, Member FINRA, SIPC
200 Berkeley Street, Boston, MA 02116-5010, 800-225-5291, jhinvestments.com

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This report is for the information of the shareholders of John Hancock Lifestyle Blend Portfolios. It is not authorized for distribution to prospective investors unless preceded or accompanied by a prospectus.

A company of  **Manulife** Investment Management

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