

# Notice to Eligible Employees

## INFORMATION CONCERNING YOUR PARTICIPATION IN THE WORKSMART SYSTEMS, INC. 401(K) PROFIT SHARING PLAN AND TRUST

This notice provides important information relating to your participation in Worksmart Systems, Inc. 401(k) Profit Sharing Plan and Trust (“the Plan”) for the plan year that begins January 1, 2024.

The notice covers the following points:

- How your Plan account will be invested;
- How you can manage your Plan account; and
- Who to contact about your Plan account.

**Note:** If you are not currently enrolled, are not eligible to contribute and/or do not have an account balance in your Plan, parts of the information on the following pages may not pertain to you. Also, if you would like more information about your Plan than what is outlined below, review the Summary Plan Description (SPD) that has been provided to you.

### HOW WILL MY PLAN ACCOUNT BE INVESTED?

The Plan lets you invest your account in a number of different investment options. As a Plan participant, you have the right to decide how to invest your account. **If you made an investment election with respect to your Plan account, the following information may not apply to you.**

Unless you choose or have chosen a different investment option, your Plan account may be invested in a default investment. Additionally, all of your future contributions to your account that you have not directed to a specific investment option in the Plan may be invested in this default investment. This default investment is known as the Qualified Default Investment Alternative (QDIA).

The Plan’s QDIA is the John Hancock Multimanager Target Date Lifetime portfolios. Its objective is to see high total return through its target retirement date, with a greater focus on income beyond the target date.

### HOW DOES A TARGET DATE FUND WORK?

Generally, a Target Date Fund\* is an investment option that automatically resets its asset allocations and associated risk levels over time with the objective of becoming more conservative (i.e. decreasing risk of losses) as it approaches the target date. The target date is the year in which investors in the investment option plan to retire and no longer make contributions. The asset mix is comprised of a combination of investment products, like stocks or bonds.

\*A Target Date Portfolio (“Fund”) is a target date “fund of funds” which invests in a number of underlying funds. The Fund’s ability to achieve its investment objective will depend largely on the ability of the sub-adviser to select the appropriate mix of underlying funds and on the underlying funds’ ability to meet their investment objectives.

### WHAT TARGET DATE FUND WAS SELECTED FOR ME?

The name of each Target Date Fund includes the name of the target date, also referred to as retirement date. And your contributions will be invested in the Target Date Fund that corresponds to or is closest to the year in which you attain the age of 67.\*\* **For example**, Joe was born in 1971. Looking at the years available for the suite of Target Date Funds available to him, the Fund with a target date of **2040** is selected. However, if a date of birth is not provided to John Hancock, you will be defaulted into the most conservative investment option in the suite of Target Date Funds. For example, using the same table, the Fund with the year **2010** as its target date would be selected.

BIRTH YEAR	NAME OF FUND BASED ON TARGET DATE
1996 or later	2065 Fund
1991 - 1995	2060 Fund
1986 - 1990	2055 Fund
1981 - 1985	2050 Fund
1976 - 1980	2045 Fund
1971 - 1975	2040 Fund
1966 - 1970	2035 Fund
1961 - 1965	2030 Fund
1956 - 1960	2025 Fund
1951 - 1955	2020 Fund
1946 - 1950	2015 Fund
1945 or earlier	2010 Fund

\*\*The Target Date Fund that corresponds to or is closest to the year in which you attain age 67 is determined based on the Target Date Funds that were available on the date of your first default investment. Your account balance in the Plan and all future contributions will be invested in such Target Date Fund until you provide investment directions for your Plan account, regardless of whether a Target Date Fund later becomes available that is closer to the year in which you attain age 67. Please refer to your quarterly participant statement to confirm the Target Date Fund in which your Plan account is invested.

**Note:** Even if some or all of your account is invested in the QDIA, you have the continuing right to direct the investments of your account in one or more of the investment options available to you under the Plan. If you decide to direct your investments, your transfer from the QDIA is not subject to any restrictions, transfer fees or redemption fees; however, other types of investment related fees (such as the investment option's Total Annual Operating Expenses) may still apply. After such time period, your investment in the QDIA will be subject to the same restrictions, fees and expenses as are applicable to other participants who affirmatively elect to invest in the QDIA. For information about the types of fees associated with the investment option, review the "404a-5 Plan & Investment Notice."

### **WHERE CAN I LEARN MORE ABOUT MY INVESTMENT OPTIONS?**

For more information about the Plan, the default investment option, as well as a listing of all of the investment options available under the Plan, review the enclosed "404a-5 Plan & Investment Notice." It is comprised of two sections. Below is an overview of each:

#### **General Plan Information:**

- General operational and identification information about the Plan, like how to make investment elections;
- Information on the administrative expenses that are deducted from your account to pay for services like record keeping and consulting; and
- Information on the individual fees that may be deducted from your account if a particular service is used.

#### **Investment Comparative Chart:**

- A link to a glossary to help you understand commonly used investment terms;
- Year-to-date and average annual total returns for each Fund, along with appropriate benchmark for comparison purposes;
- The type or category of the investment (e.g., equity, bond, other);
- Total Annual Operating Expenses, also known as expense ratio, expressed as both a percentage of assets and a dollar amount per \$1000 invested;
- Shareholder type fees (e.g., redemption fees); and
- Access to the Fund sheet through a specific URL that is listed under the name of each investment option. (Simply enter the website address into your browser to access the information.)

### **MAKING CHANGES TO YOUR INVESTMENTS**

If you decide that you want to invest your account differently than described above, you may move all or any part of your account balance to other investment options offered under the Plan. To access and update your account information or to make changes to your investments, go to John Hancock's participant website: [www.jhpensions.com](http://www.jhpensions.com). There, you can also access information on all the investment options available under the Plan from the "Investment Options" page, including Fund sheets and an electronic version of the enclosed "404a-5 Plan & Investment Notice." You can also call the John Hancock toll-free line at 1-800-395-1113 (or 1-800-363-0530 for Spanish).

### **IMPORTANT CONSIDERATIONS WHEN MAKING INVESTMENT DECISIONS**

When making investment decisions, it is important to carefully consider your personal circumstances, current savings, monthly earnings and retirement lifestyle goals and risk profile. The principal value of your investment in any investment option, as well as your potential rate of return, is not guaranteed at any time. Also, neither asset allocation nor diversification ensures a profit or protects against a loss. Investment options can suffer losses at any time, and there is no guarantee that any investment option will provide adequate income at and through your retirement. Also, past performance is no guarantee of future results.

### **HOW DO I MANAGE OR MAKE CHANGES TO MY PLAN ACCOUNT AND/OR PLAN PARTICIPATION?**

You have many options at John Hancock to manage your Plan account and make changes to your elective contributions or your Plan investments. For example, you can log onto John Hancock's participant website at [www.jhpensions.com](http://www.jhpensions.com), or call toll-free at 1-800-395-1113 (or 1-800-363-0530 for Spanish).

To register for the website, have on hand the Contract number (noted below) and your SSN. If you are enrolling into the Plan for the first time, have the following information on hand:

- Your Contract Number: 23540
- Your Enrollment Access Number (EAN): 109497

### **WHOM DO I CONTACT IF I HAVE QUESTIONS?**

If you have additional questions about the information in this Notice, how the Plan works, your rights and obligations under the Plan, or if you would like to obtain a copy of the Plan's SPD or other Plan documents, contact your Plan Administrator as noted below. For your reference, this and other notices made available by the Plan may be available to you from the "My Plan Notices" page of John Hancock's participant website.

Darbi Buchanan  
8531 Bash St  
Indianapolis, IN 46250  
317.585.7870

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2010. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	124.64
Prospectus Net Expense Ratio	0.55
% Asset in Top 10 Holdings	75.67
# of Holdings	44

**Manager Biography**

Nathan W. Thooft since 5/15/2013

Mr. Thooft is a managing Director of Asset Allocation, Portfolio Solutions Group (PSG). He joined John Hancock Investment Management a division of Manulife Investment Management (US) LLC in 2013. Previously, he was Vice President and Director of Investments, Investment Management Services, John Hancock Financial (2008-2011). He began business career in 2000.

Robert E. Sykes since 2/20/2018

Providence College, B.S.  
Boston College, M.S.

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Prior to joining John Hancock, Robert spent four years at FactSet Research Systems as a senior consultant and portfolio analytics specialist. These analytical roles included consulting in the areas of portfolio construction, performance attribution, and risk analysis for over 40 institutional investment managers. Previously, he served as a financial analyst at Fidelity Investments. Robert is a CFA charterholder, and he is a member of the Boston Security Analysts Society and the CFA Institute.  
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Joined Company: 2008  
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Geoffrey G. Kelley since 1/1/2023

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Washington State University, B.A., Business/Finance

Geoffrey Kelley, CFA, Managing Director of Asset Allocation Team. He joined Manulife IM (US) in 2018 and began business career in 1995.

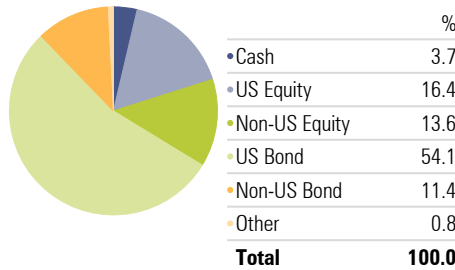
David Kobuszewski since 1/1/2023

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Boston University, B.S., Business Administration  
Boston University, B.A., Economics

Kobuszewski is a principal of SSgA and a portfolio manager in the Interest Rate Strategies group. He is primarily responsible for the management of active government strategies. Kobuszewski began his career as a research assistant at the Board of Governors of the Federal Reserve System. Kobuszewski holds the Chartered Financial Analyst designation. Managing Director, Portfolio Manager and Senior Investment Analyst, Multi-Asset Solutions Team  
Managed each fund since 2023  
Joined Manulife IM (US) in 2018  
Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	High
Morningstar Risk Rating 3 Yr	Average
Morningstar Ret Rating 5 Yr	Above Avg
Morningstar Risk Rating 5 Yr	Above Avg

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2010 TR USD

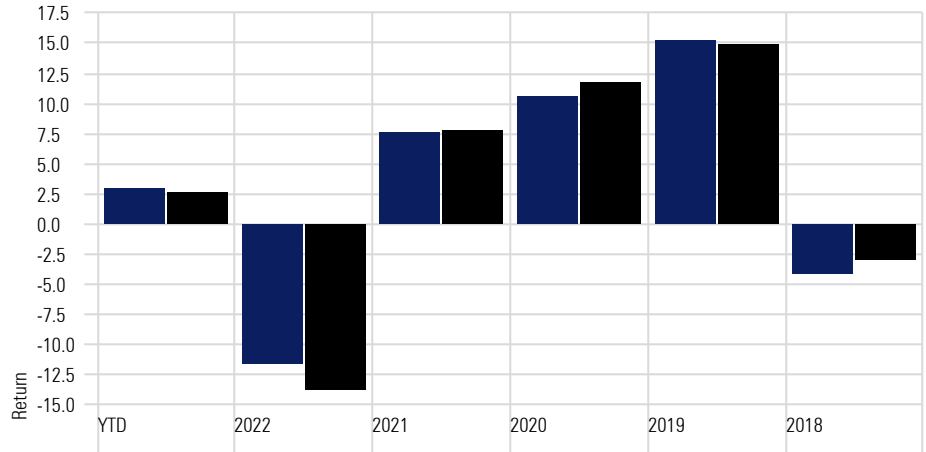
	Inv	Brnk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	5.87	5.86
Worst Month	-8.58	-6.50
Best Quarter	10.82	9.36
Worst Quarter	-10.40	-9.57
Up Capture Ratio	99.81	100.00
Down Capture Ratio	97.20	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	0.99	0.29	0.21
Beta	0.94	1.01	1.03
R2	98.15	97.31	96.65
Excess Return	1.11	0.30	0.27
Standard Deviation	9.03	9.43	7.43
Sharpe Ratio	0.01	0.21	0.45
Sortino Ratio	0.01	0.29	0.64

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2010 Lifetime 1	3.01	-11.75	7.64	10.62	15.32	-4.20
Morningstar Lifetime Mod 2010 TR USD	2.53	-13.83	7.83	11.78	14.93	-2.97

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2010 Lifetime 1	9/30/2023	US Fund Target-Date 2000-2010	8.49	1.74	3.44	4.33
Morningstar Lifetime Mod 2010 TR USD	9/30/2023	Target-Date 2000-2010	8.00	0.62	3.14	4.06

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2015. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	167.96
Prospectus Net Expense Ratio	0.57
% Asset in Top 10 Holdings	72.34
# of Holdings	47

**Manager Biography**

Nathan W. Thooft since 5/15/2013

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Robert E. Sykes since 2/20/2018

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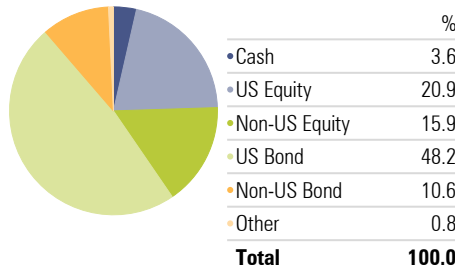
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Managing Director, Portfolio Manager and Senior Investment Analyst, Multi-Asset Solutions Team

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**Asset Allocation**

Portfolio Date: 7/31/2023



**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Above Avg
Morningstar Risk Rating 3 Yr	Above Avg
Morningstar Ret Rating 5 Yr	Above Avg
Morningstar Risk Rating 5 Yr	Above Avg

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2015 TR USD

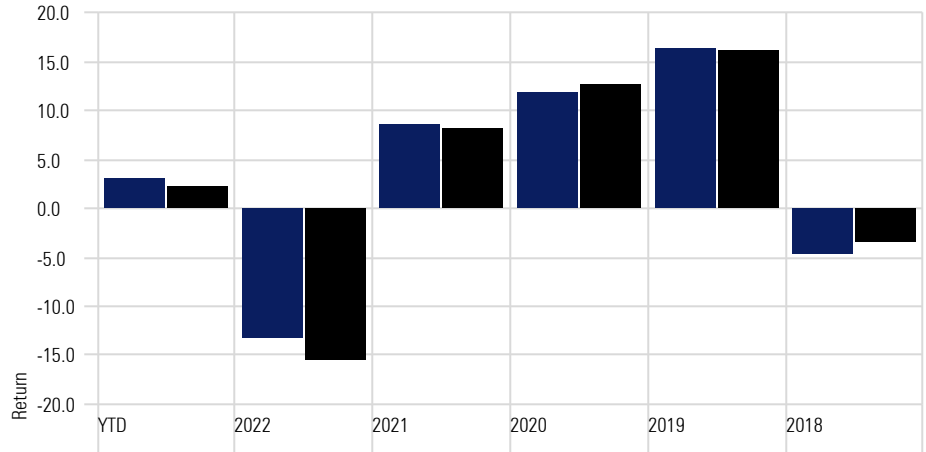
	Inv	Brnk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	6.61	6.48
Worst Month	-9.06	-7.12
Best Quarter	11.90	10.18
Worst Quarter	-11.35	-10.70
Up Capture Ratio	101.30	100.00
Down Capture Ratio	97.83	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	1.42	0.48	0.32
Beta	0.95	1.02	1.04
R2	98.23	97.53	96.75
Excess Return	1.54	0.49	0.42
Standard Deviation	10.09	10.44	8.26
Sharpe Ratio	0.02	0.21	0.45
Sortino Ratio	0.03	0.29	0.65

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2015 Lifetime 1	3.07	-13.24	8.70	11.94	16.38	-4.74
Morningstar Lifetime Mod 2015 TR USD	2.27	-15.52	8.31	12.67	16.29	-3.54

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2015 Lifetime 1	9/30/2023	US Fund Target-Date 2015	9.04	1.78	3.54	4.66
Morningstar Lifetime Mod 2015 TR USD	9/30/2023	Target-Date 2015	8.20	0.23	3.06	4.25

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2020. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	459.10
Prospectus Net Expense Ratio	0.59
% Asset in Top 10 Holdings	68.36
# of Holdings	50

**Manager Biography**

Nathan W. Thooft since 5/15/2013

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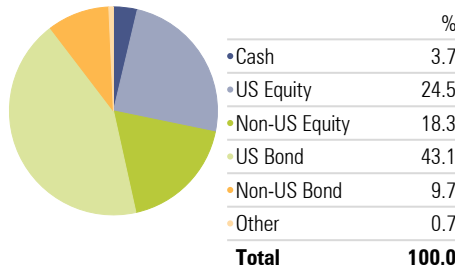
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**Asset Allocation**

Portfolio Date: 7/31/2023



**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Above Avg
Morningstar Risk Rating 3 Yr	Above Avg
Morningstar Ret Rating 5 Yr	Above Avg
Morningstar Risk Rating 5 Yr	Above Avg

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2020 TR USD

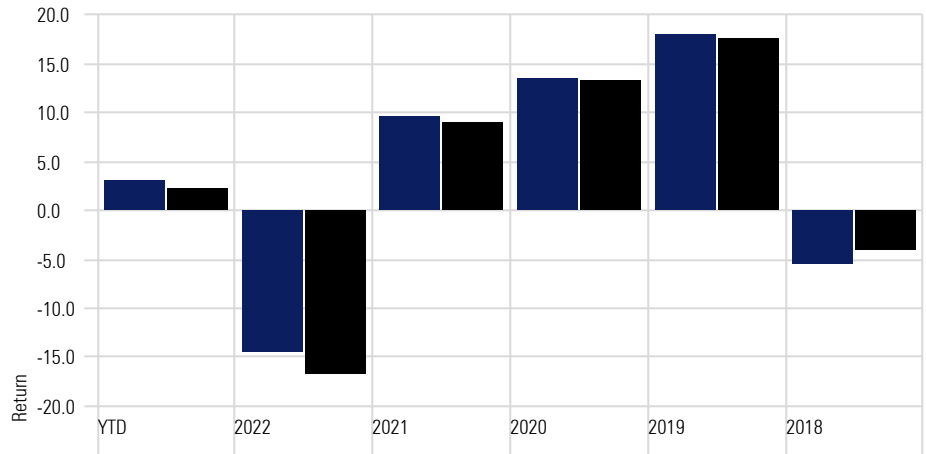
	Inv	Brnk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	7.47	7.22
Worst Month	-9.54	-7.86
Best Quarter	13.31	11.13
Worst Quarter	-12.39	-11.69
Up Capture Ratio	102.74	100.00
Down Capture Ratio	99.14	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	1.53	0.57	0.42
Beta	0.96	1.03	1.05
R2	98.36	97.66	96.82
Excess Return	1.65	0.59	0.57
Standard Deviation	11.07	11.55	9.23
Sharpe Ratio	0.04	0.21	0.46
Sortino Ratio	0.05	0.30	0.67

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2020 Lifetime 1	3.00	-14.58	9.66	13.58	18.04	-5.49
Morningstar Lifetime Mod 2020 TR USD	2.25	-16.77	9.04	13.32	17.73	-4.16

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2020 Lifetime 1	9/30/2023	US Fund Target-Date 2020	9.28	1.86	3.68	5.12
Morningstar Lifetime Mod 2020 TR USD	9/30/2023	Target-Date 2020	8.71	0.22	3.09	4.55

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2025. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	865.55
Prospectus Net Expense Ratio	0.61
% Asset in Top 10 Holdings	63.02
# of Holdings	49

**Manager Biography**

Nathan W. Thooft since 5/15/2013

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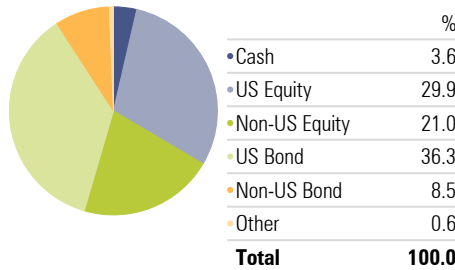
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**Asset Allocation**

Portfolio Date: 7/31/2023



**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Above Avg
Morningstar Risk Rating 3 Yr	High
Morningstar Ret Rating 5 Yr	Above Avg
Morningstar Risk Rating 5 Yr	High

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2025 TR USD

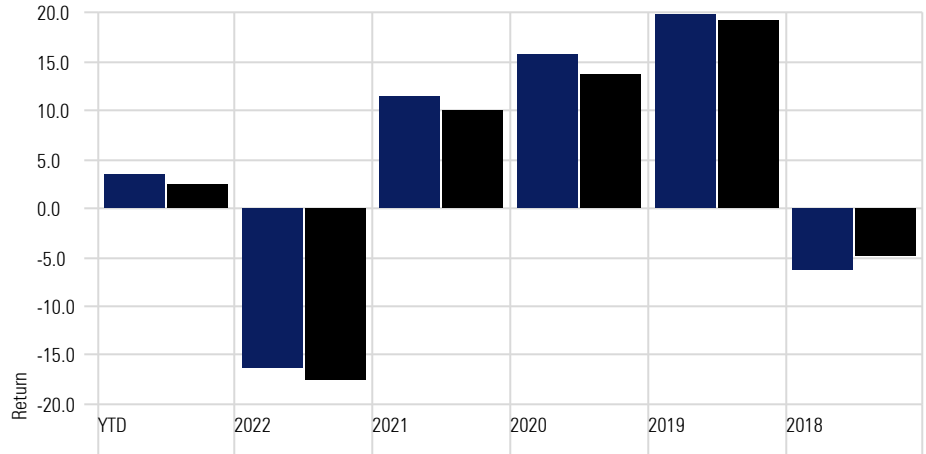
	Inv	Bmk1
Up Period Percent	61.67	61.67
Down Period Percent	38.33	38.33
Best Month	8.76	8.11
Worst Month	-10.55	-8.94
Best Quarter	15.38	12.32
Worst Quarter	-14.44	-12.56
Up Capture Ratio	109.91	100.00
Down Capture Ratio	106.66	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	1.76	0.75	0.45
Beta	1.01	1.07	1.09
R2	98.43	97.95	97.40
Excess Return	1.77	0.80	0.75
Standard Deviation	12.60	13.22	10.58
Sharpe Ratio	0.09	0.23	0.47
Sortino Ratio	0.13	0.32	0.68

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2025 Lifetime 1	3.53	-16.45	11.41	15.80	19.84	-6.39
Morningstar Lifetime Mod 2025 TR USD	2.47	-17.58	10.10	13.67	19.36	-4.90

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2025 Lifetime 1	9/30/2023	US Fund Target-Date 2025	10.42	2.39	4.04	5.73
Morningstar Lifetime Mod 2025 TR USD	9/30/2023	Target-Date 2025	9.56	0.62	3.24	4.99

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2030. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	1,104.15
Prospectus Net Expense Ratio	0.62
% Asset in Top 10 Holdings	55.80
# of Holdings	49

**Manager Biography**

Nathan W. Thooft since 5/15/2013

Mr. Thooft is a managing Director of Asset Allocation, Portfolio Solutions Group (PSG). He joined John Hancock Investment Management a division of Manulife Investment Management (US) LLC in 2013. Previously, he was Vice President and Director of Investments, Investment Management Services, John Hancock Financial (2008-2011). He began business career in 2000.

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Washington State University, B.A., Business/Finance

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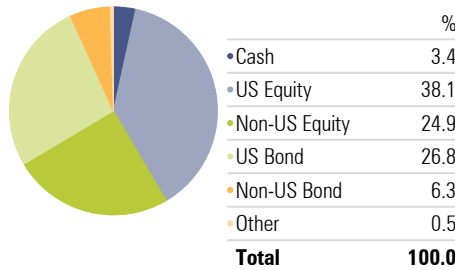
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Joined Manulife IM (US) in 2018  
Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Average
Morningstar Risk Rating 3 Yr	High
Morningstar Ret Rating 5 Yr	Average
Morningstar Risk Rating 5 Yr	High

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2030 TR USD

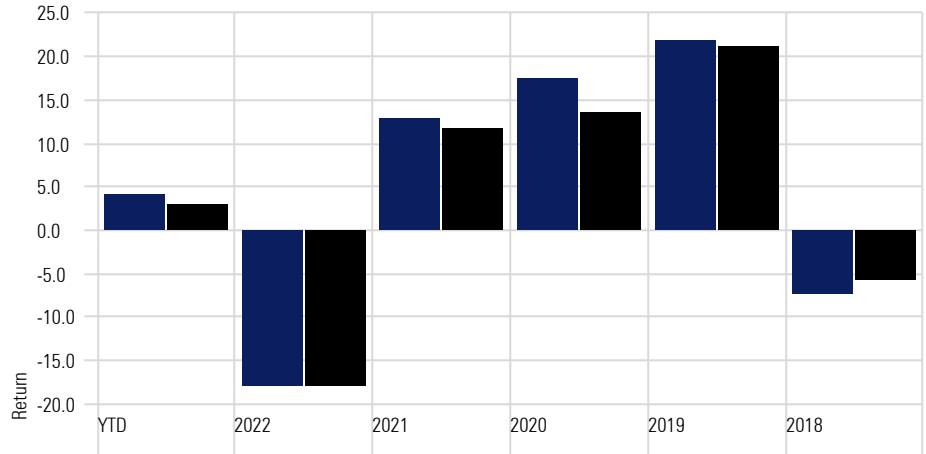
	Inv	Brk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	9.86	9.26
Worst Month	-11.52	-10.42
Best Quarter	17.17	13.84
Worst Quarter	-16.22	-14.58
Up Capture Ratio	111.10	100.00
Down Capture Ratio	108.60	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	1.26	0.71	0.32
Beta	1.04	1.09	1.09
R2	98.83	98.68	98.31
Excess Return	1.23	0.78	0.67
Standard Deviation	14.06	14.85	11.89
Sharpe Ratio	0.12	0.24	0.47
Sortino Ratio	0.18	0.34	0.69

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2030 Lifetime 1	4.15	-17.98	12.85	17.51	21.79	-7.41
Morningstar Lifetime Mod 2030 TR USD	3.02	-17.94	11.69	13.69	21.24	-5.82

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2030 Lifetime 1	9/30/2023	US Fund Target-Date 2030	11.84	2.84	4.35	6.22
Morningstar Lifetime Mod 2030 TR USD	9/30/2023	Target-Date 2030	10.93	1.61	3.57	5.54

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2035. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	997.74
Prospectus Net Expense Ratio	0.64
% Asset in Top 10 Holdings	58.34
# of Holdings	44

**Manager Biography**

Nathan W. Thooft since 5/15/2013

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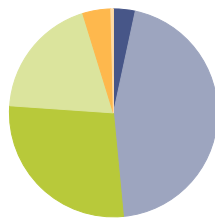
Managed each fund since 2023

Joined Manulife IM (US) in 2018

Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



	%
• Cash	3.4
• US Equity	45.1
• Non-US Equity	27.6
• US Bond	19.1
• Non-US Bond	4.4
• Other	0.4
<b>Total</b>	<b>100.0</b>

**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Below Avg
Morningstar Risk Rating 3 Yr	High
Morningstar Ret Rating 5 Yr	Average
Morningstar Risk Rating 5 Yr	High

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2035 TR USD

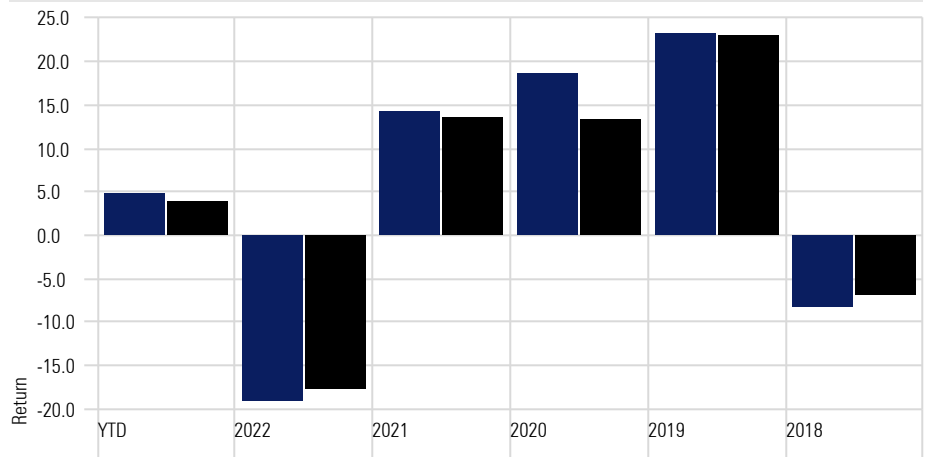
	Inv	Brnk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	10.71	10.54
Worst Month	-12.44	-12.10
Best Quarter	18.86	15.45
Worst Quarter	-17.99	-17.72
Up Capture Ratio	108.11	100.00
Down Capture Ratio	106.46	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	0.38	0.53	0.23
Beta	1.04	1.07	1.07
R2	99.03	99.00	98.82
Excess Return	0.38	0.60	0.52
Standard Deviation	15.22	16.19	12.91
Sharpe Ratio	0.17	0.25	0.47
Sortino Ratio	0.24	0.35	0.69

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2035 Lifetime 1	4.90	-19.02	14.30	18.70	23.26	-8.28
Morningstar Lifetime Mod 2035 TR USD	3.92	-17.75	13.63	13.38	23.04	-6.82

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2035 Lifetime 1	9/30/2023	US Fund Target-Date 2035	13.20	3.48	4.66	6.64
Morningstar Lifetime Mod 2035 TR USD	9/30/2023	Target-Date 2035	12.85	3.10	4.06	6.12



**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2040. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	859.20
Prospectus Net Expense Ratio	0.63
% Asset in Top 10 Holdings	61.68
# of Holdings	44

**Manager Biography**

Nathan W. Thooft since 5/15/2013

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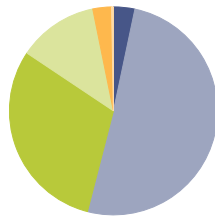
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Managing Director, Portfolio Manager and Senior Investment Analyst, Multi-Asset Solutions Team

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

**Asset Allocation**

Portfolio Date: 7/31/2023



	%
• Cash	3.3
• US Equity	50.7
• Non-US Equity	30.4
• US Bond	12.4
• Non-US Bond	2.9
• Other	0.3
<b>Total</b>	<b>100.0</b>

**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Below Avg
Morningstar Risk Rating 3 Yr	Above Avg
Morningstar Ret Rating 5 Yr	Average
Morningstar Risk Rating 5 Yr	High

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2040 TR USD

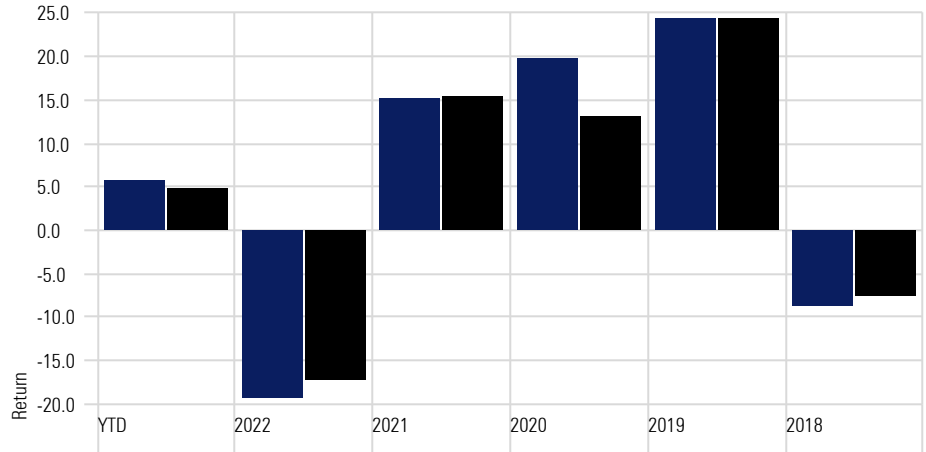
	Inv	Brnk1
Up Period Percent	63.33	60.00
Down Period Percent	36.67	40.00
Best Month	11.44	11.63
Worst Month	-13.26	-13.53
Best Quarter	20.34	16.74
Worst Quarter	-19.52	-20.29
Up Capture Ratio	105.83	100.00
Down Capture Ratio	104.28	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	-0.34	0.49	0.27
Beta	1.02	1.05	1.04
R2	99.04	98.98	98.85
Excess Return	-0.34	0.56	0.47
Standard Deviation	16.07	17.27	13.63
Sharpe Ratio	0.21	0.27	0.48
Sortino Ratio	0.31	0.39	0.71

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2040 Lifetime 1	5.67	-19.38	15.31	19.90	24.52	-8.84
Morningstar Lifetime Mod 2040 TR USD	4.91	-17.37	15.35	13.09	24.35	-7.65

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2040 Lifetime 1	9/30/2023	US Fund Target-Date 2040	14.75	4.25	5.13	7.04
Morningstar Lifetime Mod 2040 TR USD	9/30/2023	Target-Date 2040	14.88	4.59	4.57	6.57

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2045. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	10/30/2006
Fund Size (\$Mil)	808.80
Prospectus Net Expense Ratio	0.63
% Asset in Top 10 Holdings	68.23
# of Holdings	41

**Manager Biography**

Nathan W. Thooft since 5/15/2013

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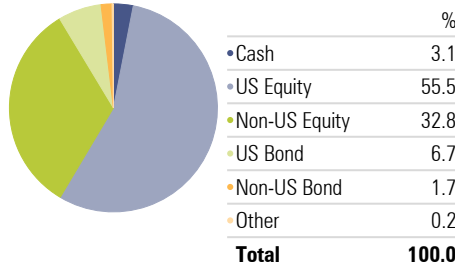
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Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Below Avg
Morningstar Risk Rating 3 Yr	Above Avg
Morningstar Ret Rating 5 Yr	Average
Morningstar Risk Rating 5 Yr	High

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2045 TR USD

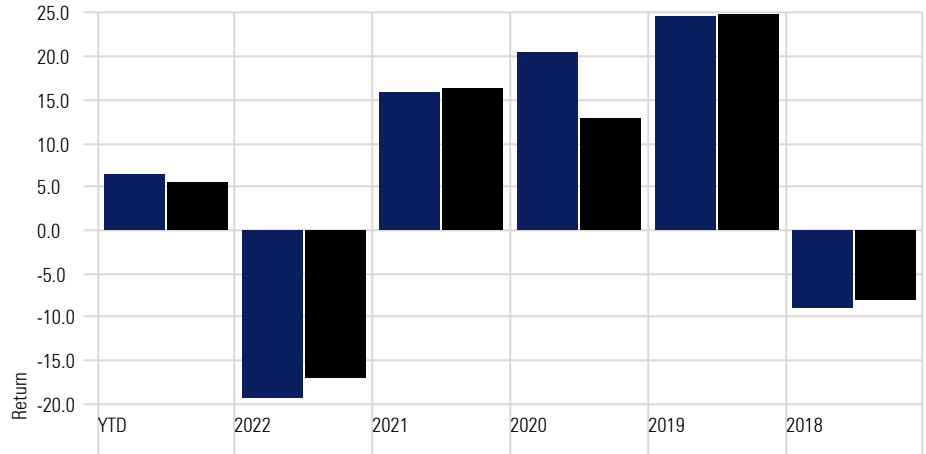
	Inv	Brk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	11.69	12.30
Worst Month	-13.73	-14.38
Best Quarter	21.14	17.46
Worst Quarter	-20.42	-21.76
Up Capture Ratio	104.35	100.00
Down Capture Ratio	102.77	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	-0.69	0.49	0.32
Beta	1.02	1.03	1.02
R2	98.93	98.93	98.82
Excess Return	-0.71	0.54	0.45
Standard Deviation	16.67	17.84	14.01
Sharpe Ratio	0.24	0.28	0.48
Sortino Ratio	0.37	0.41	0.71

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2045 Lifetime 1	6.52	-19.45	15.82	20.39	24.76	-8.91
Morningstar Lifetime Mod 2045 TR USD	5.61	-17.06	16.36	12.95	24.97	-8.17

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2045 Lifetime 1	9/30/2023	US Fund Target-Date 2045	16.16	4.85	5.45	7.23
Morningstar Lifetime Mod 2045 TR USD	9/30/2023	Target-Date 2045	16.35	5.56	4.91	6.78

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2050. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	4/29/2011
Fund Size (\$Mil)	524.17
Prospectus Net Expense Ratio	0.65
% Asset in Top 10 Holdings	71.47
# of Holdings	40

**Manager Biography**

Nathan W. Thooft since 5/15/2013

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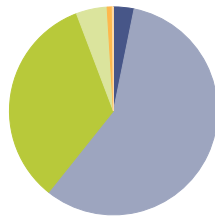
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Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



	%
• Cash	3.2
• US Equity	57.5
• Non-US Equity	33.5
• US Bond	4.8
• Non-US Bond	0.8
• Other	0.2
<b>Total</b>	<b>100.0</b>

**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Below Avg
Morningstar Risk Rating 3 Yr	Above Avg
Morningstar Ret Rating 5 Yr	Average
Morningstar Risk Rating 5 Yr	Above Avg

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2050 TR USD

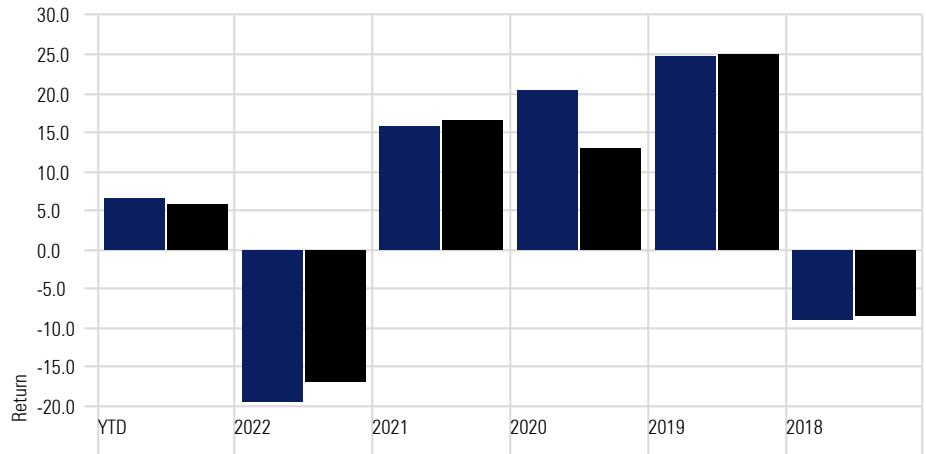
	Inv	Brk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	11.73	12.56
Worst Month	-13.77	-14.71
Best Quarter	21.11	17.69
Worst Quarter	-20.39	-22.30
Up Capture Ratio	103.07	100.00
Down Capture Ratio	101.78	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	-1.01	0.40	0.35
Beta	1.01	1.02	1.01
R2	98.94	98.89	98.77
Excess Return	-1.06	0.43	0.42
Standard Deviation	16.81	17.92	14.06
Sharpe Ratio	0.24	0.28	0.48
Sortino Ratio	0.37	0.41	0.71

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2050 Lifetime 1	6.65	-19.51	15.80	20.38	24.74	-8.99
Morningstar Lifetime Mod 2050 TR USD	5.92	-16.91	16.60	12.91	25.09	-8.41

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2050 Lifetime 1	9/30/2023	US Fund Target-Date 2050	16.57	4.87	5.46	7.23
Morningstar Lifetime Mod 2050 TR USD	9/30/2023	Target-Date 2050	17.03	5.93	5.03	6.81

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. Under normal market conditions, the fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2055. The managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	3/26/2014
Fund Size (\$Mil)	341.34
Prospectus Net Expense Ratio	0.64
% Asset in Top 10 Holdings	71.42
# of Holdings	40

**Manager Biography**

Nathan W. Thooft since 3/26/2014

Mr. Thooft is a managing Director of Asset Allocation, Portfolio Solutions Group (PSG). He joined John Hancock Investment Management a division of Manulife Investment Management (US) LLC in 2013. Previously, he was Vice President and Director of Investments, Investment Management Services, John Hancock Financial (2008-2011). He began business career in 2000.

Robert E. Sykes since 2/20/2018

Providence College, B.S.  
Boston College, M.S.

Robert Sykes, CFA, is a managing director and portfolio manager with the Asset Allocation Team at John Hancock Investment Management. The Asset Allocation Team is responsible for the development and growth of John Hancock's asset allocation solutions for individual and institutional investors in the US, Canada and Asia. Solutions include target risk, target date as well as a wide array of strategic, tactical, absolute return multi-asset class portfolios, and highly customized corporate pension plans. Robert assists in the day-to-day monitoring and portfolio management of John Hancock's Target Risk and Target Date Portfolios and conducts fundamental research across various asset classes and investment strategies. In addition, Robert is active in the portfolio construction process, including asset allocation & manager selection.

Prior to joining John Hancock, Robert spent four years at FactSet Research Systems as a senior consultant and portfolio analytics specialist. These analytical roles included consulting in the areas of portfolio construction, performance attribution, and risk analysis for over 40 institutional investment managers. Previously, he served as a financial analyst at Fidelity Investments. Robert is a CFA charterholder, and he is a member of the Boston Security Analysts Society and the CFA Institute. Education: Providence College, BS in Finance (with Distinction), 2001; Boston College, MS in Finance, 2015  
Joined Company: 2008  
Began Career: 2001

Geoffrey G. Kelley since 1/1/2023

Duke University (Fuqua), M.B.A.  
Washington State University, B.A., Business/Finance

Geoffrey Kelley, CFA, Managing Director of Asset Allocation Team. He joined Manulife IM (US) in 2018 and began business career in 1995.

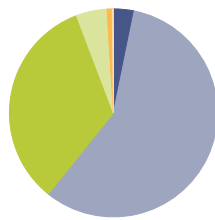
David Kobuszewski since 1/1/2023

Yale University, M.B.A.  
Boston University, B.S., Business Administration  
Boston University, B.A., Economics

Kobuszewski is a principal of SSgA and a portfolio manager in the Interest Rate Strategies group. He is primarily responsible for the management of active government strategies. Kobuszewski began his career as a research assistant at the Board of Governors of the Federal Reserve System. Kobuszewski holds the Chartered Financial Analyst designation. Managing Director, Portfolio Manager and Senior Investment Analyst, Multi-Asset Solutions Team Managed each fund since 2023  
Joined Manulife IM (US) in 2018  
Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



	%
• Cash	3.2
• US Equity	57.6
• Non-US Equity	33.5
• US Bond	4.8
• Non-US Bond	0.8
• Other	0.2
<b>Total</b>	<b>100.0</b>

**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Below Avg
Morningstar Risk Rating 3 Yr	Average
Morningstar Ret Rating 5 Yr	Below Avg
Morningstar Risk Rating 5 Yr	Above Avg

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2055 TR USD

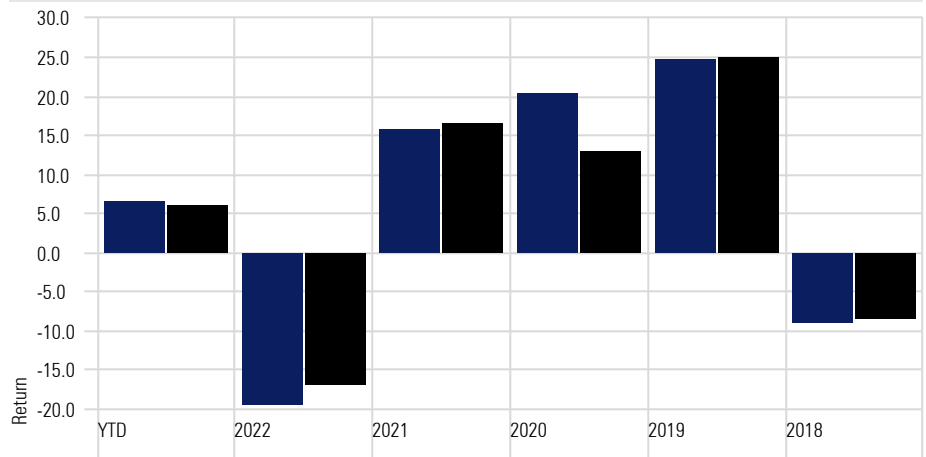
	Inv	Bmk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	11.71	12.63
Worst Month	-13.81	-14.84
Best Quarter	21.17	17.75
Worst Quarter	-20.47	-22.48
Up Capture Ratio	102.77	100.00
Down Capture Ratio	101.26	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	-1.01	0.44	
Beta	1.00	1.01	
R2	98.92	98.86	
Excess Return	-1.08	0.47	
Standard Deviation	16.77	17.92	
Sharpe Ratio	0.24	0.28	
Sortino Ratio	0.37	0.41	

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2055 Lifetime 1	6.65	-19.50	15.82	20.35	24.85	-8.99
Morningstar Lifetime Mod 2055 TR USD	5.94	-16.93	16.50	12.91	25.05	-8.57

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2055 Lifetime 1	9/30/2023	US Fund Target-Date 2055	16.47	4.88	5.47	
Morningstar Lifetime Mod 2055 TR USD	9/30/2023	Target-Date 2055	17.15	5.96	5.00	6.74

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. The fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2060. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time.

**Fund Statistics**

Inception Date	3/30/2016
Fund Size (\$Mil)	230.77
Prospectus Net Expense Ratio	0.63
% Asset in Top 10 Holdings	71.37
# of Holdings	39

**Manager Biography**

Nathan W. Thooft since 3/30/2016

Mr. Thooft is a managing Director of Asset Allocation, Portfolio Solutions Group (PSG). He joined John Hancock Investment Management a division of Manulife Investment Management (US) LLC in 2013. Previously, he was Vice President and Director of Investments, Investment Management Services, John Hancock Financial (2008-2011). He began business career in 2000.

Robert E. Sykes since 2/20/2018

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Prior to joining John Hancock, Robert spent four years at FactSet Research Systems as a senior consultant and portfolio analytics specialist. These analytical roles included consulting in the areas of portfolio construction, performance attribution, and risk analysis for over 40 institutional investment managers. Previously, he served as a financial analyst at Fidelity Investments. Robert is a CFA charterholder, and he is a member of the Boston Security Analysts Society and the CFA Institute. Education: Providence College, BS in Finance (with Distinction), 2001; Boston College, MS in Finance, 2015

Joined Company: 2008  
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David Kobuszewski since 1/1/2023

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Kobuszewski holds the Chartered Financial Analyst designation.

Managing Director, Portfolio Manager and Senior Investment Analyst, Multi-Asset Solutions Team

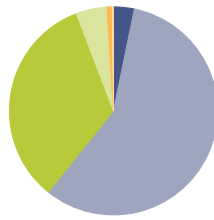
Managed each fund since 2023

Joined Manulife IM (US) in 2018

Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



	%
• Cash	3.2
• US Equity	57.5
• Non-US Equity	33.4
• US Bond	4.8
• Non-US Bond	0.8
• Other	0.2
<b>Total</b>	<b>100.0</b>

**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Below Avg
Morningstar Risk Rating 3 Yr	Average
Morningstar Ret Rating 5 Yr	Average
Morningstar Risk Rating 5 Yr	Average

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2060 TR USD

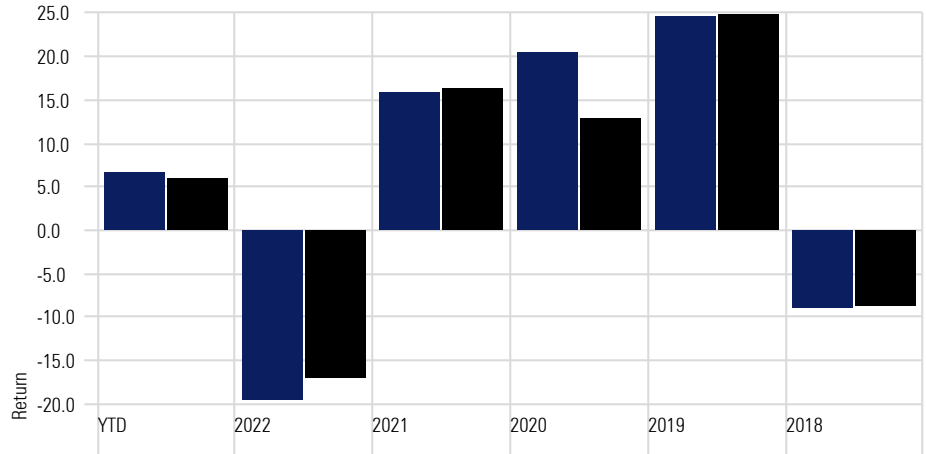
	Inv	Brk1
Up Period Percent	61.67	60.00
Down Period Percent	38.33	40.00
Best Month	11.73	12.67
Worst Month	-13.74	-14.93
Best Quarter	21.04	17.76
Worst Quarter	-20.41	-22.58
Up Capture Ratio	102.84	100.00
Down Capture Ratio	100.94	100.00

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	-0.90	0.54	
Beta	1.00	1.01	
R2	98.89	98.82	
Excess Return	-0.97	0.57	
Standard Deviation	16.76	17.90	
Sharpe Ratio	0.25	0.29	
Sortino Ratio	0.37	0.41	

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2060 Lifetime 1	6.77	-19.46	15.87	20.41	24.74	-8.92
Morningstar Lifetime Mod 2060 TR USD	5.89	-16.98	16.33	12.89	24.96	-8.69

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2060 Lifetime 1	9/30/2023	US Fund Target-Date 2060	16.66	4.94	5.50	
Morningstar Lifetime Mod 2060 TR USD	9/30/2023	Target-Date 2060	17.17	5.91	4.93	6.65

**Investment Strategy**

The investment seeks high total return through the fund's target retirement date, with a greater focus on income beyond the target date. Under normal market conditions, the fund invests substantially all of its assets in underlying funds using an asset allocation strategy designed for investors expected to retire around the year 2065. The portfolio managers of the fund allocate assets among the underlying funds according to an asset allocation strategy that becomes increasingly conservative over time. It has a target asset allocation of 95% of its assets in underlying funds that invest primarily in equity securities.

**Fund Statistics**

Inception Date	9/23/2020
Fund Size (\$Mil)	56.69
Prospectus Net Expense Ratio	0.63
% Asset in Top 10 Holdings	71.30
# of Holdings	38

**Manager Biography**

Nathan W. Thooft since 9/23/2020

Mr. Thooft is a managing Director of Asset Allocation, Portfolio Solutions Group (PSG). He joined John Hancock Investment Management a division of Manulife Investment Management (US) LLC in 2013. Previously, he was Vice President and Director of Investments, Investment Management Services, John Hancock Financial (2008-2011). He began business career in 2000.

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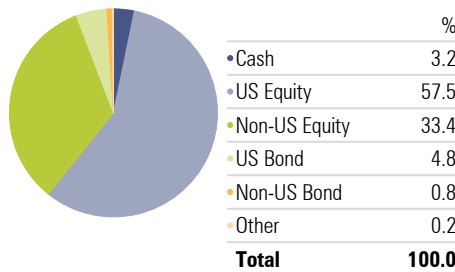
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Joined Manulife IM (US) in 2018  
Began business career in 2000

**Asset Allocation**

Portfolio Date: 7/31/2023



**Morningstar Return and Risk Ratings**

Morningstar Ret Rating 3 Yr	Below Avg
Morningstar Risk Rating 3 Yr	Average
Morningstar Ret Rating 5 Yr	
Morningstar Risk Rating 5 Yr	

**5 Year Market Performance**

Calculation Benchmark: Morningstar Lifetime Mod 2060 TR USD

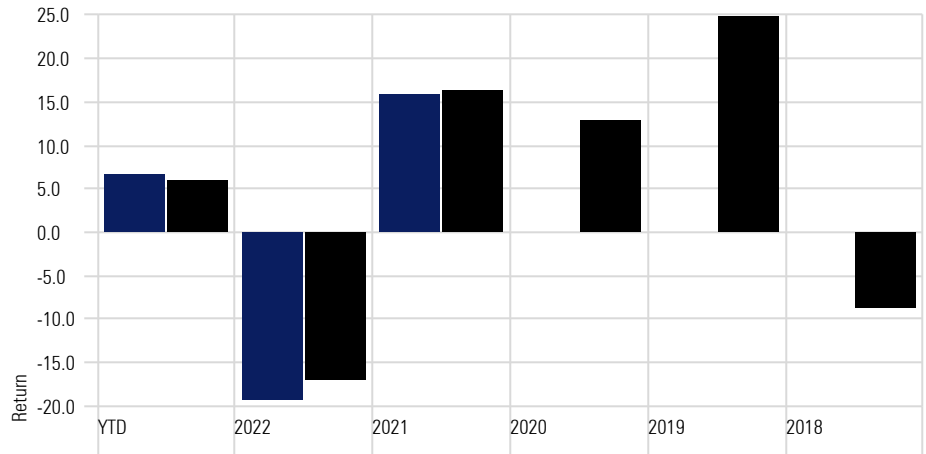
	Inv	Brk1
Up Period Percent	60.00	
Down Period Percent	40.00	
Best Month	12.67	
Worst Month	-14.93	
Best Quarter	17.76	
Worst Quarter	-22.58	
Up Capture Ratio	100.00	
Down Capture Ratio	100.00	

**Risk/Reward vs. Benchmark**

As of Date: 9/30/2023

	3 years	5 years	10 years
Alpha	-0.92		
Beta	1.00		
R2	98.94		
Excess Return	-0.98		
Standard Deviation	16.78		
Sharpe Ratio	0.25		
Sortino Ratio	0.37		

**Performance**



	YTD	2022	2021	2020	2019	2018
JHancock Multimanager 2065 Lifetime 1	6.66	-19.38	15.84			
Morningstar Lifetime Mod 2060 TR USD	5.89	-16.98	16.33	12.89	24.96	-8.69

	Return Date (Qtr-End)	Morningstar Category	Total Ret 1 Yr	Total Ret Annlzd 3 Yr	Total Ret Annlzd 5 Yr	Total Ret Annlzd 10 Yr
JHancock Multimanager 2065 Lifetime 1	9/30/2023	US Fund Target-Date 2065+	16.64	4.92		
Morningstar Lifetime Mod 2060 TR USD	9/30/2023	Target-Date 2060	17.17	5.91	4.93	6.65