

John Hancock High Yield Fund

Class A/JHHBX

ANNUAL SHAREHOLDER REPORT | MAY 31, 2024

This annual shareholder report contains important information about the John Hancock High Yield Fund (the fund) for the period of June 1, 2023 to May 31, 2024. You can find additional information about the fund at jhinvestments.com/documents. You can also request this information by contacting us at 800-225-5291.

This report describes changes to the fund that occurred during the reporting period.

What were the fund costs during the last year?

(Based on a hypothetical \$10,000 investment)

Fund (Class)	Costs of a \$10,000 investment	Costs paid as a percentage of a \$10,000 investment
High Yield Fund (Class A/JHHBX)	\$96	0.92%

Management's Discussion of Fund Performance

SUMMARY OF RESULTS

High Yield Fund (Class A/JHHBX) returned 9.12% (excluding sales charges) for the year ended May 31, 2024. High-yield bonds produced a positive return in the annual period. The category was helped by the combination of steady economic growth, supportive credit conditions, and healthy investor risk appetites. These factors led to a compression of yield spreads, augmenting the contribution from income.

TOP PERFORMANCE CONTRIBUTORS

All segments of the fund registered gains | At a time of positive market performance, all sectors and ratings categories posted positive returns.

High yield corporate bonds | Some of the fund's most significant contributors were high yield corporate bonds in the wireless, retail, banking and energy industries.

TOP PERFORMANCE DETRACTORS

The majority of the fund's holdings registered positive absolute returns | A narrow group of individual securities finished with losses. Among these were securities issued by certain companies in the wireless industry, including Sprint and Altice France SA.

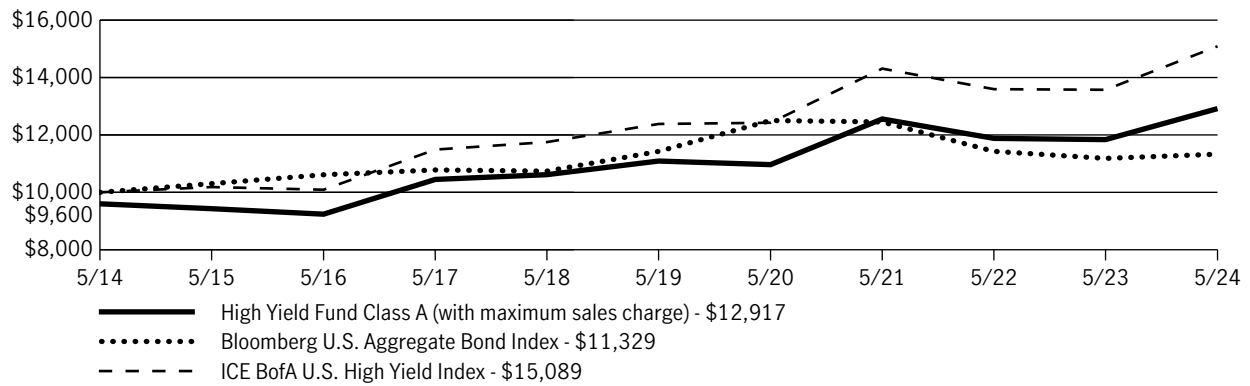
Bonds issued by iHeartCommunications, Inc. | This position also lost ground in the period, as did the bonds of Ardagh Packaging Finance PLC.

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.

Fund Performance

The following graph compares the initial and subsequent account values at the end of each of the most recently completed 10 fiscal years of the fund (or for the life of the fund, if shorter). It assumes a \$10,000 initial investment in the fund and in an appropriate, broad-based securities market index for the same period.

GROWTH OF \$10,000



AVERAGE ANNUAL TOTAL RETURN	1 Year	5 Years	10 Years
High Yield Fund (Class A/JHHBX)	4.82%	2.26%	2.60%
High Yield Fund (Class A/JHHBX)—excluding sales charge	9.12%	3.10%	3.01%
Bloomberg U.S. Aggregate Bond Index	1.31%	(0.17)%	1.26%
ICE BofA U.S. High Yield Index	11.17%	4.03%	4.20%

The Fund has designated Bloomberg U.S. Aggregate Bond Index as its broad-based securities market index in accordance with the revised definition for such an index.

Performance figures assume all distributions have been reinvested and reflect the beneficial effect of any expense reductions. Figures reflect maximum sales charge on Class A shares of 4.00%. Past performance does not guarantee future results. 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 fund's current performance may be higher or lower than the performance shown and can be found at jhinvestments.com/investments or by calling 800-225-5291. The graph and table do not reflect the deduction of taxes that a shareholder would pay on fund distributions or redemption of fund shares. It is not possible to invest directly in an index.

Fund Statistics

Fund net assets	\$1,203,031,141
Total number of portfolio holdings	351
Total advisory fees paid (net)	\$5,575,161
Portfolio turnover rate	47%

Graphical Representation of Holdings

The tables below show the investment makeup of the fund, representing percentage of the total net assets of the fund.

PORTFOLIO COMPOSITION		QUALITY COMPOSITION	
Corporate bonds	86.3%	U.S. Government Agency	2.0%
Term loans	5.4%	AAA	0.1%
Asset backed securities	2.5%	A	0.9%
U.S. Government Agency	2.0%	BBB	11.0%
Preferred securities	0.5%	BB	43.7%
Collateralized mortgage obligations – Commercial and residential	0.1%	B	32.3%
Short-term investments and other	3.2%	CCC and below	5.5%
		Not rated	1.3%
		Short-term investments and other	3.2%

Ratings are from Moody's Investors Service, Inc. If not available, we have used S&P Global Ratings. In the absence of ratings from these agencies, we have used Fitch Ratings, Inc. "Not rated" securities are those with no ratings available from these agencies. All ratings are as of 5-31-24 and do not reflect subsequent downgrades or upgrades, if any.

Holdings may not have been held by the fund for the entire period and are subject to change without notice. Portfolio composition is subject to review in accordance with the fund's investment strategy and may vary in the future. Current and future portfolio holdings are subject to risk and may change at any time.

The fund is subject to various risks as described in the fund's prospectuses. For more information, please refer to the "Principal risks" section of the prospectuses.

Material Fund Changes

At a meeting held on December 12–14, 2023, the fund's Board of Trustees approved a sales charge reduction and change to the contingent deferred sales charge (CDSC) for Class A shares. As a result, effective March 1, 2024, the maximum CDSC as a percentage of purchase or sale price, whichever is less, was reduced from 1.00% on certain purchases of \$1 million or more, to 0.75% on certain purchases of \$500,000 or more.

For more complete information, please refer to the fund's prospectus. The currently effective prospectus is available at jhinvestments.com/documents or by calling 800-225-5291.

Availability of Additional Information



At jhinvestments.com/documents, you can find additional information about the fund, including the fund's:

- Prospectus
- Financial information
- Fund holdings
- Proxy voting information

You can also request this information by contacting us at 800-225-5291.

This report is for the information of the shareholders in this fund. It is not authorized for distribution to prospective investors unless preceded or accompanied by the fund's prospectus.

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