

John Hancock Investment Grade Bond Fund

Class R4/JIGMX

ANNUAL SHAREHOLDER REPORT | MAY 31, 2024

This annual shareholder report contains important information about the John Hancock Investment Grade Bond 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](https://www.jhinvestments.com/documents). You can also request this information by contacting us at 800-225-5291.

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
Investment Grade Bond Fund (Class R4/JIGMX)	\$64	0.63%

Management's Discussion of Fund Performance

SUMMARY OF RESULTS

Investment Grade Bond Fund (Class R4/JIGMX) returned 1.78% for the year ended May 31, 2024. The bond market posted a gain in the annual period. Bond prices experienced volatility due to the combination of persistent inflation and uncertainty as to when the U.S. Federal Reserve would begin to cut interest rates, but total returns were positive thanks to a sizable contribution from income. Corporate bonds performed particularly well on the strength of better-than expected economic growth, steady earnings, and robust investor risk appetites.

TOP PERFORMANCE CONTRIBUTORS

Corporate bonds | Corporates were the strongest performing segment of the portfolio in the annual period, with the largest contribution coming from the banking and energy sectors.

Securitized assets | Agency mortgage-backed and asset-backed securities, while delivering smaller gains, also finished firmly in positive territory and aided fund performance.

TOP PERFORMANCE DETRACTORS

Duration (interest rate sensitivity) | Rising bond yields put downward pressure on bond prices, detracting from fund performance.

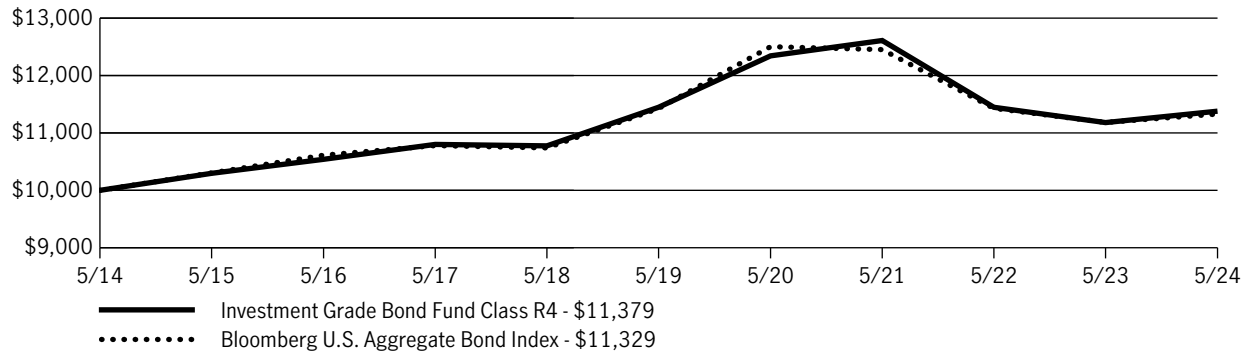
Specific holdings in U.S. Treasuries and corporate bonds | Many of the fund's holdings in U.S. Treasuries lost ground, and certain positions in investment-grade and high-yield corporate bonds finished with negative returns, as well. At the individual security level, Wells Fargo & Co. was a notable detractor.

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
Investment Grade Bond Fund (Class R4/JIGMX)	1.78%	(0.12)%	1.30%
Bloomberg U.S. Aggregate Bond Index	1.31%	(0.17)%	1.26%

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.

Class R4 shares were first offered on 3-27-15. Returns prior to this date are those of Class A shares that have not been adjusted for class-specific expenses; otherwise, returns would vary.

Performance figures assume all distributions have been reinvested and reflect the beneficial effect of any expense reductions. 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	\$3,389,028,057
Total number of portfolio holdings	831
Total advisory fees paid (net)	\$10,191,117
Portfolio turnover rate	177%

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	
U.S. Government Agency	37.6%	U.S. Government	19.2%
Corporate bonds	31.1%	U.S. Government Agency	37.6%
U.S. Government	19.2%	Collateralized mortgage obligations –U.S. Government Agency	0.9%
Asset backed securities	7.0%	AAA	4.3%
Collateralized mortgage obligations – Commercial and residential	3.2%	AA	0.7%
Collateralized mortgage obligations – U.S. Government Agency	0.9%	A	9.2%
Municipal bonds	0.4%	BBB	23.5%
Short-term investments and other	0.6%	BB	2.0%
		Not rated	2.0%
		Short-term investments and other	0.6%

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 prospectus. For more information, please refer to the "Principal risks" section of the prospectus.

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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