

John Hancock Managed Account Shares Non-Investment-Grade Municipal Bond Portfolio

Non-Investment-Grade Municipal Bond Portfolio/JHFMX

SEMIANNUAL SHAREHOLDER REPORT | NOVEMBER 30, 2024

This semiannual shareholder report contains important information about the John Hancock Managed Account Shares Non-Investment-Grade Municipal Bond Portfolio (the fund) for the period of June 1, 2024 to November 30, 2024. You can find additional information about the fund at [jhinvestments.com/underlying-funds](https://www.jhinvestments.com/underlying-funds). You can also request this information by contacting us at 800-247-0278.

What were the fund costs during the last six months?

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

| Fund | Costs of a \$10,000 investment | Costs paid as a percentage of a \$10,000 investment |
|---|--------------------------------|---|
| Non-Investment-Grade Municipal Bond Portfolio/JHFMX | \$0 | 0.00% |

Fund Statistics

| | |
|------------------------------------|--------------|
| Fund net assets | \$20,986,134 |
| Total number of portfolio holdings | 102 |
| Portfolio turnover rate | 11% |

Graphical Representation of Holdings

The tables below show the investment makeup of the fund, representing a percentage of the total investments of the fund.

| PORTFOLIO COMPOSITION | |
|---------------------------------|--------------|
| General obligation bonds | 4.6% |
| Revenue bonds | 93.9% |
| Development | 22.2% |
| Health care | 17.8% |
| Education | 17.7% |
| Other revenue | 14.0% |
| Transportation | 4.7% |
| Airport | 4.6% |
| Housing | 4.2% |
| Tobacco | 3.1% |
| Utilities | 3.0% |
| Water and sewer | 2.4% |
| Pollution | 0.2% |
| Short-term investments | 1.5% |

| QUALITY COMPOSITION | |
|------------------------|-------|
| AA | 1.1% |
| A | 6.9% |
| BBB | 26.2% |
| BB | 20.8% |
| B | 1.0% |
| CCC and below | 0.6% |
| Not rated | 41.9% |
| Short-term investments | 1.5% |

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 11-30-24 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/underlying-funds, 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 800-247-0278.

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.

A company of  **Manulife** Investment Management

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

Manulife, Manulife Investment Management, Stylized M Design, and Manulife Investment Management & Stylized M Design are trademarks of The Manufacturers Life Insurance Company and are used by it, and by its affiliates under license.

NOT FDIC INSURED. MAY LOSE VALUE. NO BANK GUARANTEE. NOT INSURED BY ANY GOVERNMENT AGENCY.

MF4089597

319SA 11/24 1/25