

Class R6 Shares QRLGX

Annual Shareholder Report - July 31, 2024

A Portfolio of Federated Hermes MDT Series

This annual shareholder report contains important information about the Federated Hermes MDT Large Cap Growth Fund (the "Fund") for the period of August 1, 2023 to July 31, 2024. You can find additional information at www.FederatedHermes.com/us/FundInformation. You can also request this information by contacting us at 1-800-341-7400, Option 4, or your financial advisor.

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

What were the Fund costs for the last year?

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

Class Name	Cost of a \$10,000 investment	Costs paid as a percentage of a \$10,000 investment
Class R6 Shares	\$12*	0.71%

* Based on operations for the period from May 29, 2024 to July 31, 2024. Expenses for the full year would be higher.

Management's Discussion of Fund Performance

The following discussion compares the performance of the Fund to the Russell 1000 Growth Index to show how the Fund's performance compares to the returns of similar investments for the reporting period. See the Average Annual Total Returns table below for the returns of the Fund and related indexes, including the Russell 3000 Index, which represents approximately 98% of investable U.S. equities by market capitalization. The Fund seeks to provide long-term capital appreciation by investing primarily in common stocks of large-sized U.S. companies.

Top Contributors to Performance

- An underweight position in companies with negative analyst conviction and flat to worsening earnings to price ratio contributed positively to Fund relative performance.
- By sector, stock selection in Consumer Discretionary and Industrials aided performance.
- Top individual Fund holdings that contributed positively to performance included overweight positions in Spotify Technology SA and Vistra Corp. and an underweight position in Tesla, Inc.

Top Detractors from Performance

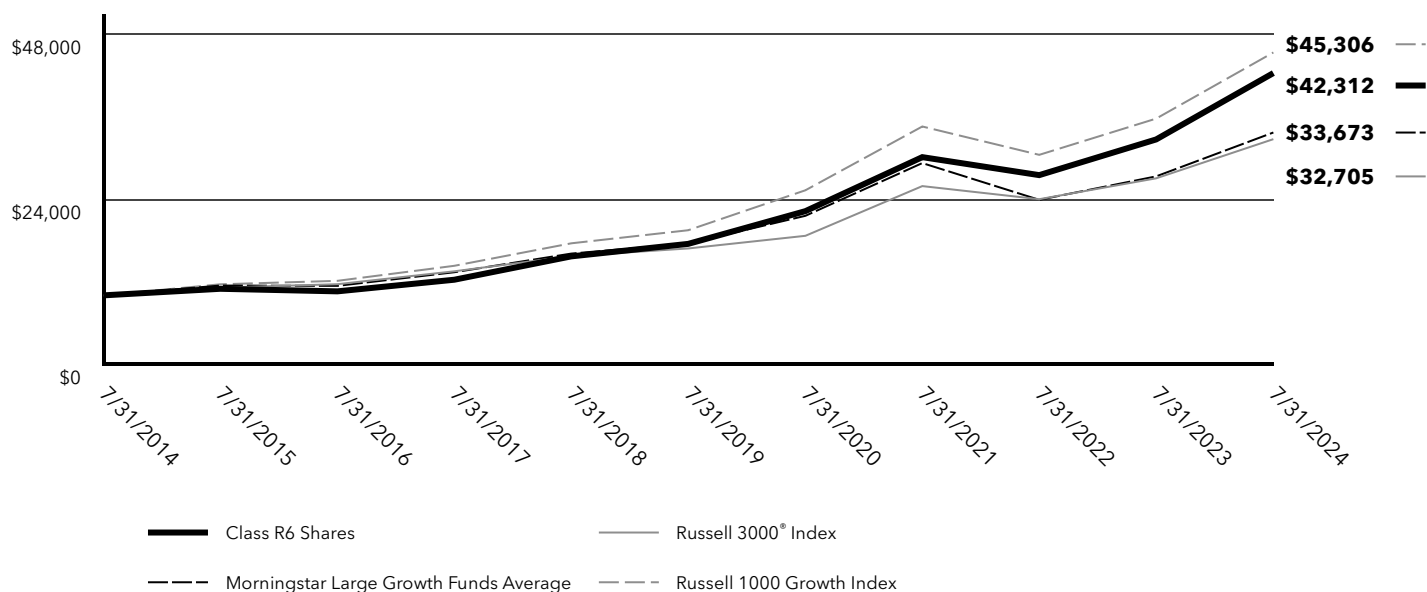
- Poor stock selection among companies with a strong 1-year return, very high analyst conviction, and low structural earnings detracted from Fund relative performance.
- By sector, stock selection in Consumer Staples and Financials detracted from performance.
- Top individual Fund holdings that detracted from performance were an underweight position in NVIDIA Corporation and overweight positions in PepsiCo, Inc. and Zscaler, Inc.

Fund Performance

Keep in mind that the Fund's past performance is not a good predictor of how the Fund will perform in the future. The graph and table do not reflect the deduction of taxes that a shareholder would pay on fund distributions or redemption of fund shares.

Cumulative Performance: 7/31/2014 to 7/31/2024

Total Return Based on \$10,000 Investment



Average Annual Total Returns

Fund/Index	1 Year	5 Years	10 Years
Class R6 Shares^a	29.54%	19.33%	15.52%
Russell 3000® Index*	21.07%	14.22%	12.58%
Morningstar Large Growth Funds Average	23.31%	13.95%	12.92%
Russell 1000 Growth Index	26.94%	18.40%	16.31%

* The Fund has designated the Russell 3000® Index as its new broad-based securities market index in accordance with the SEC's revised definition for such an index.

^a The Fund's Class R6 Shares commenced operations on May 29, 2024. For the periods prior to the commencement of operations of the Fund's Class R6 Shares, the performance information shown is for the Fund's Institutional Shares. The performance of the Institutional Shares has not been adjusted to reflect the expenses of the Class R6 Shares, since the Class R6 Shares have a lower expense ratio than the Institutional Shares.

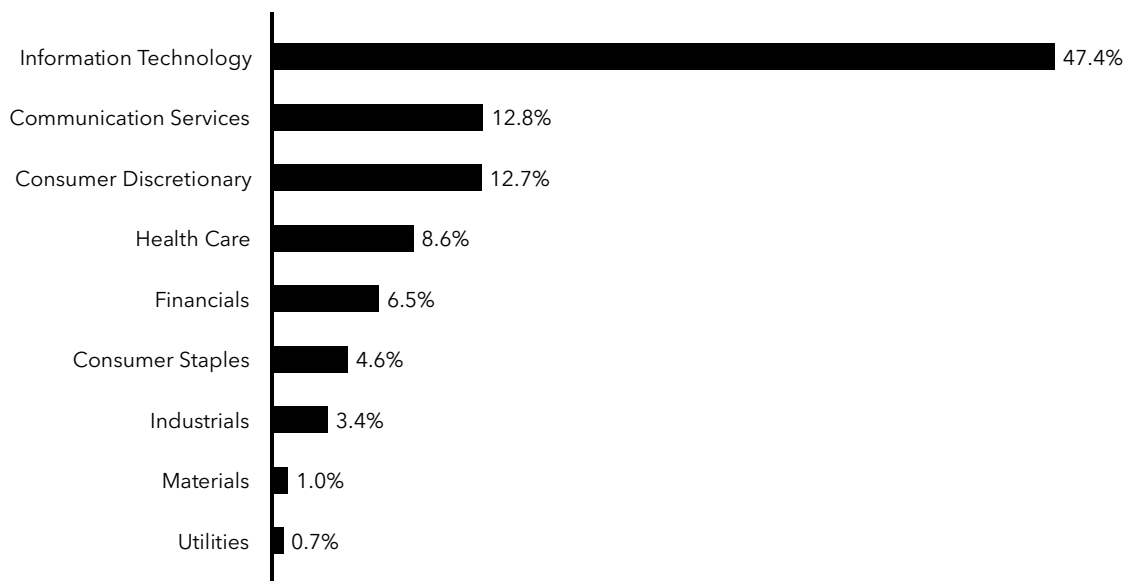
Visit www.FederatedHermes.com/us/FundInformation and click on the link to your fund and share class for more recent performance information.

Key Fund Statistics

Net Assets	\$1,507,393,159
Number of Investments	101
Portfolio Turnover	58%
Total Advisory Fees Paid	\$4,997,886

Fund Holdings

Top Sectors (% of Total Net Assets)



Material Fund Changes

The following is a summary of material changes made to the Fund during the reporting period. For more complete and current information, you may review the Fund's disclosure documents on its webpage at www.FederatedHermes.com/us/FundInformation or upon request at 1-800-341-7400, Option 4, or by contacting your financial advisor.

Effective October 1, 2024, the Fund's annual investment advisory fee payable to its investment adviser is reduced from 0.75% to 0.65% of the Fund's average daily net assets.

Additional Information about the Fund

Additional information is available on the Fund's website at www.FederatedHermes.com/us/FundInformation, including its:

- prospectus
- financial information
- holdings
- proxy voting information