

John Hancock Fundamental Large Cap Core Fund

Class I/JLVIX

ANNUAL SHAREHOLDER REPORT | OCTOBER 31, 2024

This annual shareholder report contains important information about the John Hancock Fundamental Large Cap Core Fund (the fund) for the period of November 1, 2023 to October 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 |
|--|--------------------------------|---|
| Fundamental Large Cap Core Fund (Class I/JLVIX) | \$91 | 0.77% |

Management's Discussion of Fund Performance

SUMMARY OF RESULTS

Fundamental Large Cap Core Fund (Class I/JLVIX) returned 37.46% for the year ended October 31, 2024. A resilient U.S. economy, lower interest rates, strong corporate earnings and investor enthusiasm for artificial intelligence (AI) helped propel U.S. equities sharply higher, with large-cap growth stocks taking the lead.

TOP PERFORMANCE CONTRIBUTORS

Information technology | The fund's holdings in the sector notably boosted its absolute return. Consumer electronics leader Apple, Inc., a top holding, stood out, helped by strong demand for its smartphones and a rally in mega-cap technology stocks.

Financials | The fund's financial holdings produced a steep gain, led by private equity company KKR & Company, Inc., which benefited from strong execution by management, growing interest in alternative investments and lower interest rates.

Consumer discretionary | This sector was another standout, thanks to positions in e-commerce giant Amazon.com, Inc. and home builder Lennar Corp.

TOP PERFORMANCE DETRACTORS

Utilities and materials | The fund's lack of exposure to utilities and small stake in materials did little to aid performance.

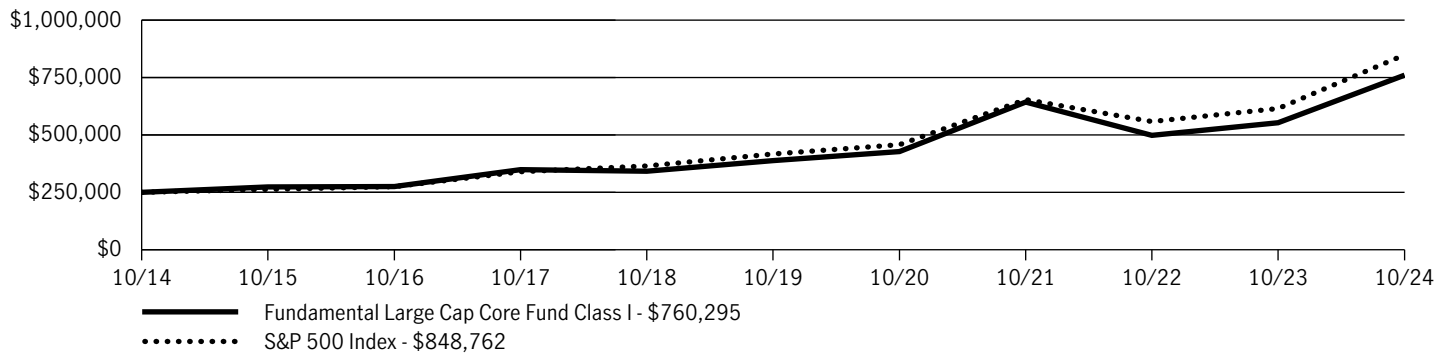
Weakness from specific holdings | Notable individual detractors included a new position this period in Israel-based Mobileye Global, Inc., which makes advanced driver assist systems, as well as investments in biopharmaceuticals stock Moderna, Inc., media conglomerate Warner Brothers Discovery, Inc. and recreational vehicle company Polaris, Inc.

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 \$250,000 initial investment in the fund and in an appropriate, broad-based securities market index for the same period.

GROWTH OF \$250,000



| AVERAGE ANNUAL TOTAL RETURN | 1 Year | 5 Years | 10 Years |
|---|--------|---------|----------|
| Fundamental Large Cap Core Fund (Class I/JLVIX) | 37.46% | 14.39% | 11.76% |
| S&P 500 Index | 38.02% | 15.27% | 13.00% |

The fund has designated S&P 500 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. 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 jihinvestments.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 | \$5,631,957,789 |
| Total number of portfolio holdings | 47 |
| Total advisory fees paid (net) | \$33,000,292 |
| Portfolio turnover rate | 19% |

Graphical Representation of Holdings

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

| TOP TEN HOLDINGS | | SECTOR COMPOSITION | |
|-------------------------|------|----------------------------------|-------|
| Amazon.com, Inc. | 8.8% | Information technology | 27.8% |
| Apple, Inc. | 8.0% | Consumer discretionary | 18.8% |
| Alphabet, Inc., Class A | 5.9% | Financials | 15.0% |
| Cheniere Energy, Inc. | 5.2% | Communication services | 10.4% |
| KKR & Company, Inc. | 4.7% | Health care | 6.8% |
| Morgan Stanley | 4.6% | Consumer staples | 6.2% |
| Lennar Corp., Class A | 4.5% | Energy | 5.2% |
| Microsoft Corp. | 4.0% | Industrials | 4.9% |
| Crown Castle, Inc. | 3.1% | Real estate | 3.5% |
| Texas Instruments, Inc. | 3.1% | Materials | 0.5% |
| | | Short-term investments and other | 0.9% |

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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