

BNY Mellon Stock Index Fund, Inc.

ANNUAL
SHAREHOLDER
REPORT
DECEMBER 31, 2024

Initial Shares

This annual shareholder report contains important information about BNY Mellon Stock Index Fund, Inc. (the “Fund”) for the period of January 1, 2024 to December 31, 2024. You can find additional information about the Fund at www.bny.com/investments/us/en/intermediary/products/variable-products.html#funds-table-tabs1. You can also request this information by calling 1-800-373-9387 (inside the U.S. only) or by sending an e-mail request to info@bny.com.

What were the Fund’s costs for the last year?

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

Share Class	Costs of a \$10,000 investment	Costs paid as a percentage of a \$10,000 investment
Initial Shares	\$30	0.27%

How did the Fund perform last year?

- For the 12-month period ended December 31, 2024, the Fund’s Initial Shares returned 24.67%.
- In comparison, the S&P 500® Index (the “Index”) returned 25.02% for the same period.

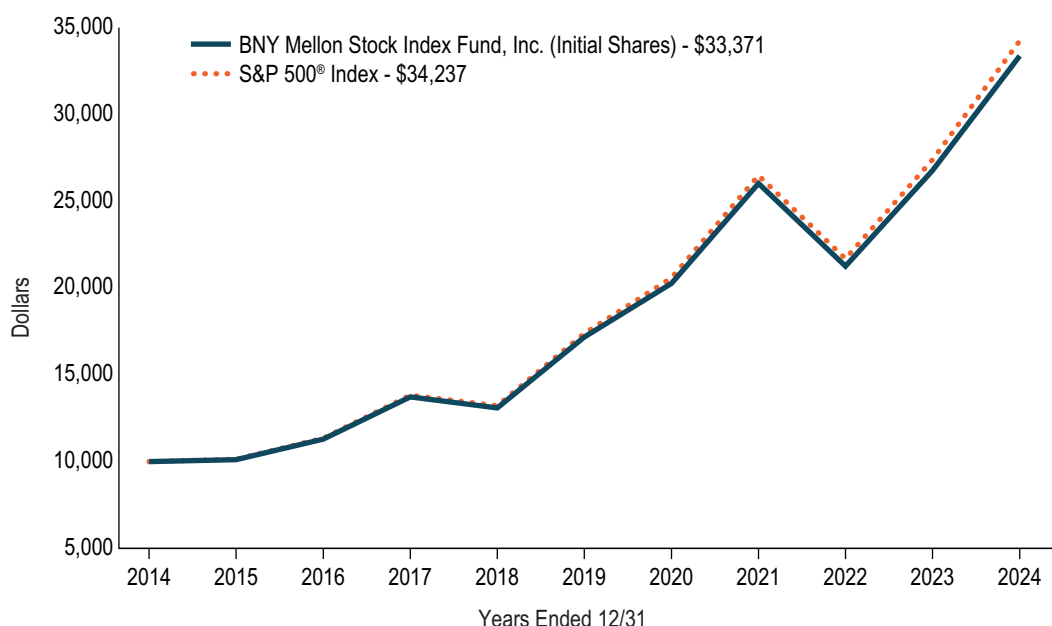
What affected the Fund’s performance?

- The U.S. equity markets posted healthy double-digit gains due to resilient economic growth, moderating inflation and rising corporate profits. Large-cap stocks outperformed mid- and small-cap shares by a considerable margin.
- Growth-oriented stocks outperformed value-oriented shares due to the improving economic outlook, rising corporate profits, and the prospect of lower interest rates.
- The best-performing sectors included communication services and information technology, driven by investor enthusiasm for artificial intelligence-related companies. Financials also outperformed due to prospects for reduced regulatory oversight.
- Materials was the only sector to post negative performance during the period.
- The difference in returns between the Fund and the Index resulted primarily from transaction costs and operating expenses that are not reflected in index results.

How did the Fund perform over the past 10 years?

The Fund's past performance is not a good predictor of the Fund's future performance. 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 from January 1, 2014 through December 31, 2024 Initial Investment of \$10,000



The above graph compares a hypothetical \$10,000 investment in the Fund's Initial Shares to a hypothetical investment of \$10,000 made in the S&P 500® Index on 12/31/2014. The performance shown takes into account applicable fees and expenses of the Fund, including management fees and other expenses. The Fund's performance also assumes the reinvestment of dividends and capital gains. Unlike the Fund, the Index is not subject to charges, fees and other expenses. Investors cannot invest directly in any index.

AVERAGE ANNUAL TOTAL RETURNS (AS OF 12/31/24)

Share Class	1YR	5YR	10YR
Initial Shares	24.67%	14.21%	12.81%
S&P 500® Index	25.02%	14.52%	13.10%

The performance data quoted represent past performance, which is no guarantee of future results. For more current information visit www.bny.com/investments/us/en/intermediary/products/variable-products.html#funds-table-tabs1.

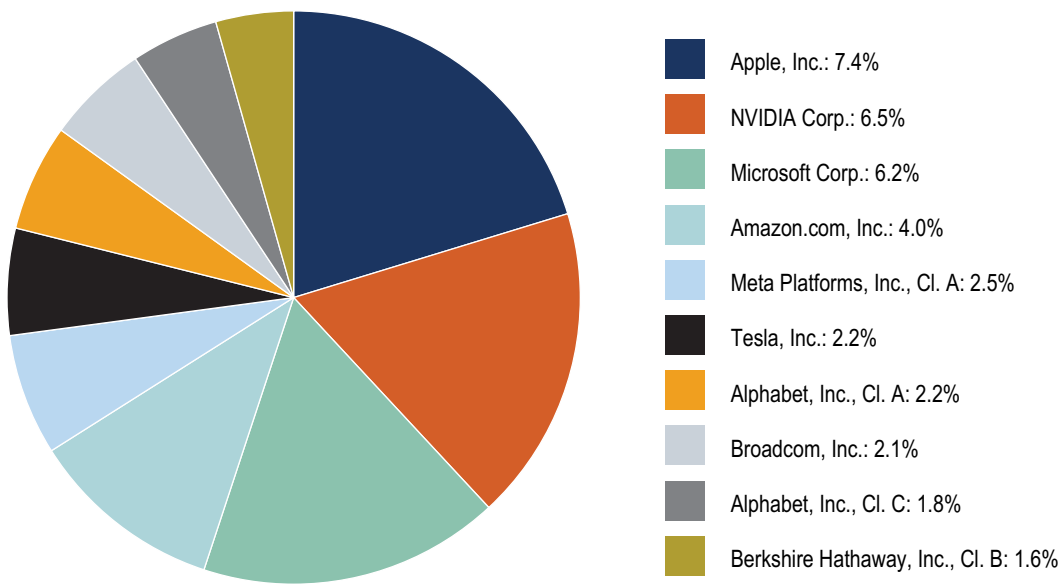
KEY FUND STATISTICS (AS OF 12/31/24)

Fund Size (Millions)	Number of Holdings	Total Advisory Fee Paid During Period	Annual Portfolio Turnover
\$3,443	506	\$7,909,942	2.65%

Not FDIC Insured. Not Bank-Guaranteed. May Lose Value

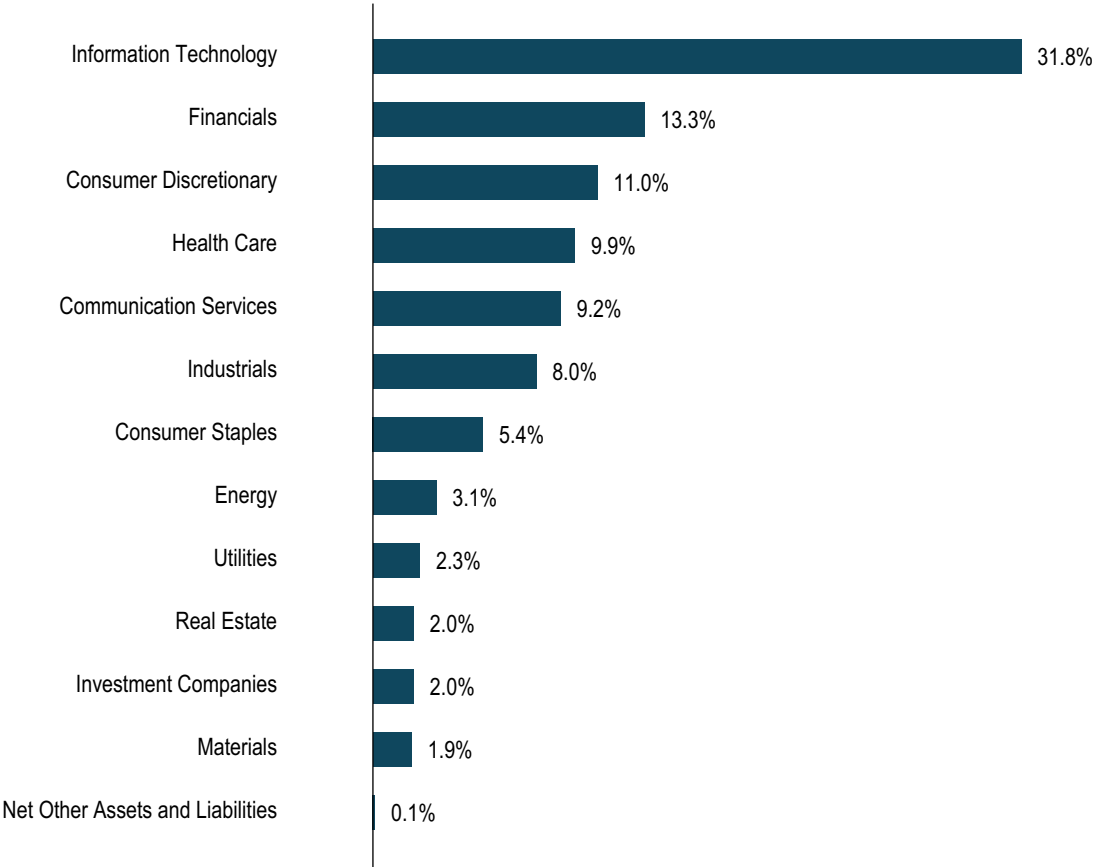
PORTFOLIO HOLDINGS (AS OF 12/31/24)

Top Ten Holdings (Based on Net Assets)*



* Excludes money market funds or other short-term securities held for the investment of cash and cash collateral for securities loaned, if any.

Sector Allocation (Based on Net Assets)



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For additional information about the Fund, including its prospectus, financial information, portfolio holdings and proxy voting information, please visit www.bny.com/investments/us/en/intermediary/products/variable-products.html#funds-table-tabs1.