Vanguard S&P Mid-Cap 400 Growth ETF | IVOG

As of September 30, 2022

Investment approach

- Seeks to track the performance of the S&P MidCap 400 Growth Index.
- Mid-cap growth equity.
- Employs a passively managed, full-replication strategy.
- Fund remains fully invested.
- Low expenses minimize net tracking error.

About the benchmark

- The S&P MidCap 400 Growth Index represents the growth companies of the S&P MidCap 400 Index. (The S&P MidCap 400 Index is composed of mid-cap stocks from the broad U.S. equity market.)
- Tracks the growth companies of the S&P MidCap 400 Index as identified by three factors: three-year earnings per share growth rate, three-year sales per share growth rate, and momentum (12-month change in price).

Performance history

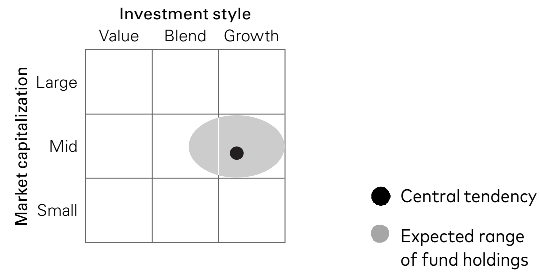
Total returns[2] for period ended September 30, 2022

IVOG (Inception 09/07/2010)	Quarter	Year to date	1 year	3 years	5 years	10 years	Since inception
Net asset value (NAV) return[3]	-0.73%	-25.53%	-19.60%	4.94%	5.53%	9.58%	10.80%
Market price return[4]	-0.71	-25.56	-19.63	4.95	5.53	9.58	10.80
S&P MidCap 400 Growth Index	-0.74	-25.48	-19.52	5.10	5.69	9.76	10.99

The performance data shown represent past performance, which is not a guarantee of future results. Investment returns and principal value will fluctuate, so investors' shares, when sold, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance. The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index.

Investment Products: Not FDIC Insured • No Bank Guarantee • May Lose Value

Investment focus



Quick facts

Benchmark	S&P MidCap 400 Growth Index
Expense ratio[1]	0.15%
Dividend schedule	Annually
ETF total net assets	$665 million
Fund total net assets	$778 million
Inception date	September 7, 2010

Trading information

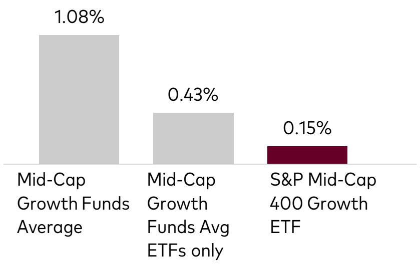
Ticker symbol	IVOG
CUSIP number	921932869
IIV (intra-day ticker)	IVOG.IV
Index ticker (Bloomberg)	SPTRMG
Exchange	NYSE Arca

1. As reported in the most recent prospectus. A fund's current expense ratio may be lower or higher than the figure reported in the prospectus.
2. Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Fund performance figures assume the reinvestment of dividends and capital gains distributions; the figures are pre-tax and net of expenses. The above widely used comparative index represents unmanaged or average returns on various financial assets that can be compared with the fund's total returns for the purpose of measuring relative performance.
3. As of 4 p.m., Eastern time, when the regular trading session of the New York Stock Exchange typically closes.
4. Market price returns are calculated using the midpoint between the bid and offer prices at the time NAV is calculated, typically 4 p.m., Eastern time.

Vanguard S&P Mid-Cap 400 Growth ETF | IVOG

As of September 30, 2022

Expense ratio comparison[1]



Ten largest holdings and % of total net assets[4]

Carlisle Cos. Inc.	1.6%
Targa Resources Corp.	1.5
Steel Dynamics Inc.	1.3
Darling Ingredients Inc.	1.2
Neurocrine Biosciences Inc.	1.1
Shockwave Medical Inc.	1.1
Paylocity Holding Corp.	1.1
Repligen Corp.	1.1
East West Bancorp Inc.	1.0
Life Storage Inc.	1.0
Top ten as % of total net assets	12.0%

ETF attributes

	S&P Mid-Cap 400 Growth ETF	S&P MidCap 400 Growth Index
Number of stocks	235	233
Median market cap	$6.0B	$6.0B
Price/earnings ratio	13.3x	13.3x
Price/book ratio	2.9x	2.9x
Return on equity	12.8%	12.8%
Earnings growth rate	20.6%	20.9%
Foreign holdings	0.0%	0.0%
Turnover rate[2]	40.4%	—
Standard deviation[3]	23.13%	23.13%

Sector Diversification[5]

Industrials	18.8%
Information Technology	16.3
Consumer Discretionary	14.8
Health Care	13.8
Financials	11.8
Materials	6.9
Real Estate	6.8
Energy	5.1
Communication Services	2.1
Consumer Staples	2.1
Utilities	1.5
Other	0.0

1. Represents the expense ratio for the Vanguard ETF as reported in the most recent prospectus. There are material differences between mutual funds and ETFs. Unlike mutual funds, ETFs are priced continuously and bought and sold throughout the day in the secondary market (at a premium or discount to net asset value) with the assistance of a stockbroker, which entails paying commissions. Sources: Lipper, a Thomson Reuters Company, and Vanguard, December 31, 2021.
2. For most recent fiscal year. Turnover rate excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including Vanguard ETF Creation Units.
3. A measure of the volatility of a fund—based on the fund's last three years of monthly returns—used to indicate the dispersion of past returns. A higher standard deviation means a greater potential for volatility. For funds with less than 36 months of performance history, standard deviation is not calculated.
4. The holdings listed exclude any temporary cash investments and equity index products.
5. Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

Vanguard ETF® Shares are not redeemable with the issuing Fund other than in very large aggregations worth millions of dollars. Instead, investors must buy or sell Vanguard ETF Shares in the secondary market and hold those shares in a brokerage account. In doing so, the investor may incur brokerage commissions and may pay more than net asset value when buying and receive less than net asset value when selling.

All ETF products are subject to risk, which may result in the loss of principal. Prices of mid-cap ETF products often fluctuate more than those of large-cap ETF products.

For more information about Vanguard ETF Shares, visit vanguard.com, call 866-499-8473, or contact your broker to obtain a prospectus or, if available, a summary prospectus. Investment objectives, risks, charges, expenses, and other important information are contained in the prospectus; read and consider it carefully before investing.