

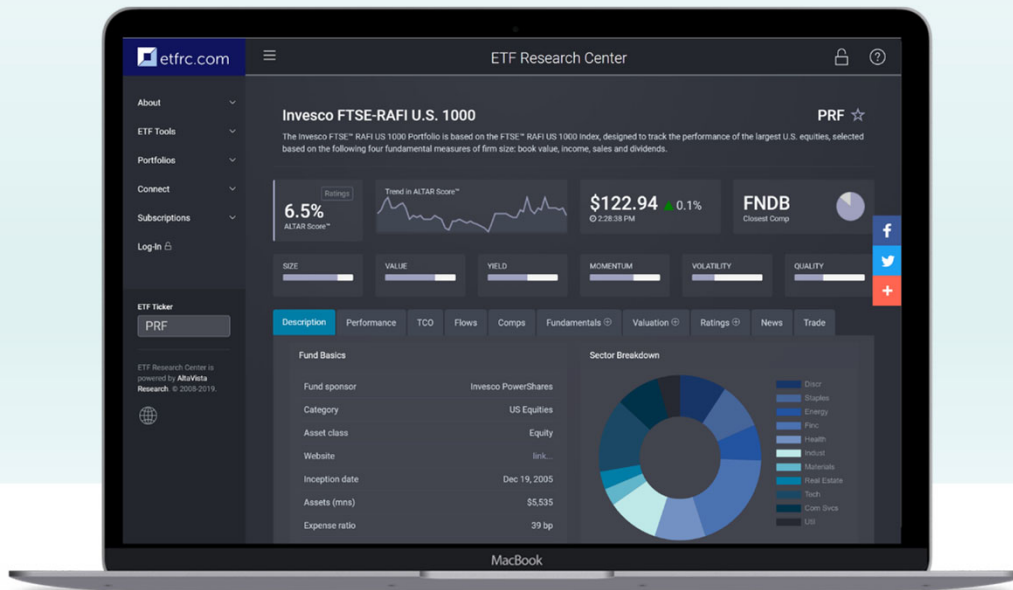
ETF Analyzer

October 2024

Select Sector SPDR Edition

- ▶ Evaluate Sector SPDRs based on investment merit using fundamental data and analysis
- ▶ Compare Sector SPDRs with ease on a variety of forward-looking valuation metrics
- ▶ Succinct reports in three easy-to-read sections: Investment Summary, Fundamentals, and Composition

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How to use this guide

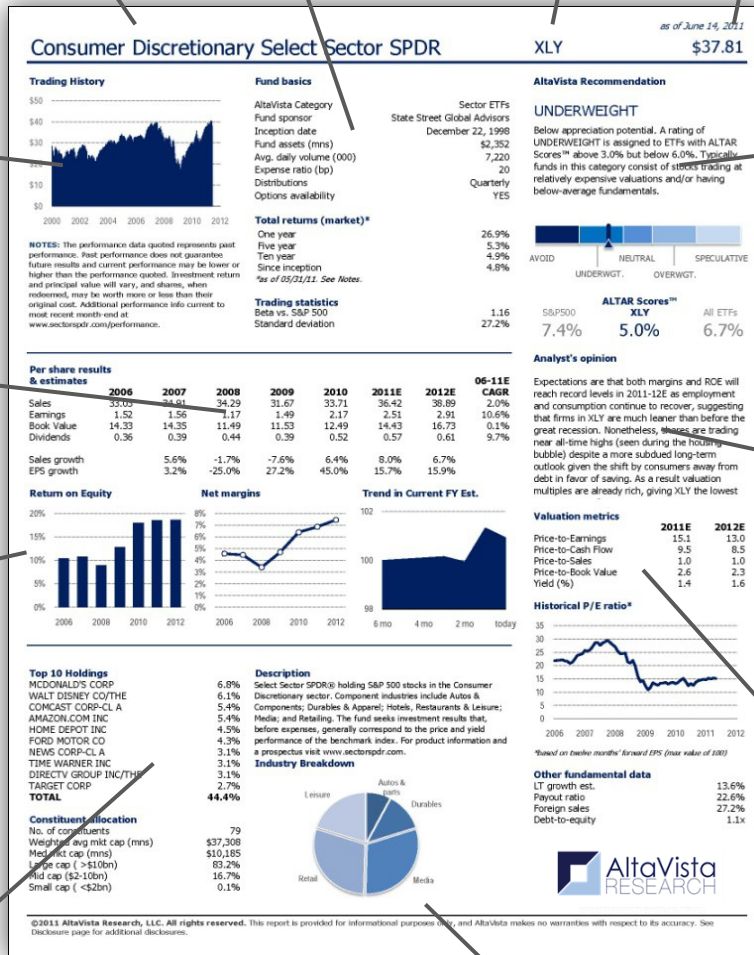
A fundamentally different approach

This guide presents fundamental data and analysis on each of the nine Select Sector SPDR funds so you can view and value them the way you would a single stock. It consists of an "Analyzer" page (shown below) covering each fund, along with a Valuation Guide to facilitate easy comparisons between funds as well as with the S&P500 index. For more on our approach to ETF analysis visit ETF Research Center at www.etfrc.com.

Fund name
Fund basics
 Expenses, returns, volume & more
Ticker symbol
Price

Trading history

See how this fund has performed in the past



ALTAR Score™ & Recommendation

Our proprietary measure of an ETF's overall investment merit. See *How we rate ETFs* on the following page for an explanation.

Results & estimates

Financial results & expectations for the fund's constituents—essential for making an informed investment

Analyst's view

Our take on the real drivers behind a fund's investment merit

Profitability measures

Graphs show trends in return on equity, profit margins and estimate revisions

Valuation metrics

Even funds full of good companies can be bad investments if valued too richly. See how the stocks in this fund add up.

Composition data

Information on top holdings, concentration and market cap segmentation

Industry breakdown

Shows how important each industry segment is within the sector

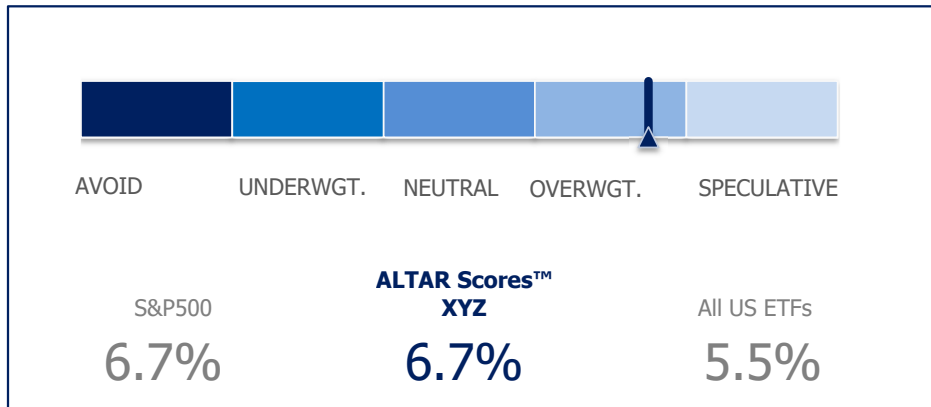
Keeping up-to-date

Market conditions and expectations change all the time. Go to the ETF Research Center for daily valuation updates on the Sector SPDRs or any of the other thousands of ETFs we cover. This report is updated monthly and is available for download free of charge at www.etfrc.com.

How we rate ETFs

AltaVista Recommendation

For every ETF under coverage, we calculate an AltaVista Long Term Annual Return forecast, or ALTAR Score™, explained in more detail in the sidebar. Then, we separate the funds into five tiers (quintiles) based on where their individual scores ranks versus other funds in the category, under a normal distribution probability curve. The five recommendation tiers, defined in detail below, are: SPECULATIVE, OVERWEIGHT, NEUTRAL, UNDERWEIGHT and AVOID.



What they mean...

SPECULATIVE

Deeply undervalued but risky. A rating of SPECULATIVE is assigned to ETFs with ALTAR Scores in the top quintile (the top 20%) of their category, indicating exceptional appreciation potential. However, often these are narrowly-focused funds or in industries with structural issues, which may also make them very risky. Nonetheless they may still be useful as part of a well-diversified portfolio.

OVERWEIGHT

Above average appreciation potential. A rating of OVERWEIGHT is assigned to ETFs with ALTAR Scores in the 4th quintile (ranking higher than 60%-80%) of their category. Typically, funds in this category consist of stocks trading at attractive valuations and/or having above-average fundamentals.

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds. The majority of funds we cover fall into this category.

UNDERWEIGHT

Below appreciation potential. A rating of UNDERWEIGHT is assigned to ETFs with ALTAR Scores in the 2nd quintile (ranking higher than only 20%-40%) of their category. Typically, funds in this category consist of stocks trading at relatively expensive valuations and/or having below-average fundamentals.

AVOID

Not worthwhile for most investors. A rating of AVOID is assigned to ETFs with ALTAR Scores in the lowest quintile (the bottom 20%) of their category. Often, funds in this category consist of stocks with little if any history or expectation of profitability, and as a result our fundamentally-driven analysis may not be as relevant.

ALTAR Score™

The ALTAR Score™, short for AltaVista Long Term Annual Return forecast, is our measure of an ETF's overall investment merit. For equity funds the formula is:

$$ROE_{avg} \div \frac{P}{BV} - fees$$

where ROE_{avg} is the average Return on Equity over the course of the business cycle, and P/BV is the price-to-book value multiple for the current forecast year ("FY1"). Finally, we subtract fund fees which diminish investor returns. Results are expressed as a percentage, with higher values better, all else being equal.

Origins

The ALTAR Score relates overall profitability of stocks in a fund to their valuations, using the well-established relationship between Return on Equity and Price-to-Book Value multiples, itself a derivation of the Dividend Discount Model, one of the earliest and most basic approaches to equity valuation.

What it means

The ALTAR Score provides an estimate of a kind of "internal rate of return" from the owner's perspective. The primary benefit of this approach is that it is forward looking--based on current fundamentals and valuation metrics--in contrast to most fund rating methodologies which focus on past share price returns.

What it does not mean

It is not a price target or prediction about how the market will value the fund in the future. There is no time or momentum component to the ALTAR Score, and it is not meant as any sort of short-term indicator.

Bottom line

The ALTAR Score can be used to compare funds based on investment merit, but it is not intended as a prediction of future performance. Investors should also consider the many other data points in each report to assess each fund's suitability. For more information visit www.etfrc.com.



For more information visit
www.etfrc.com

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Section II: Fund Detail Pages

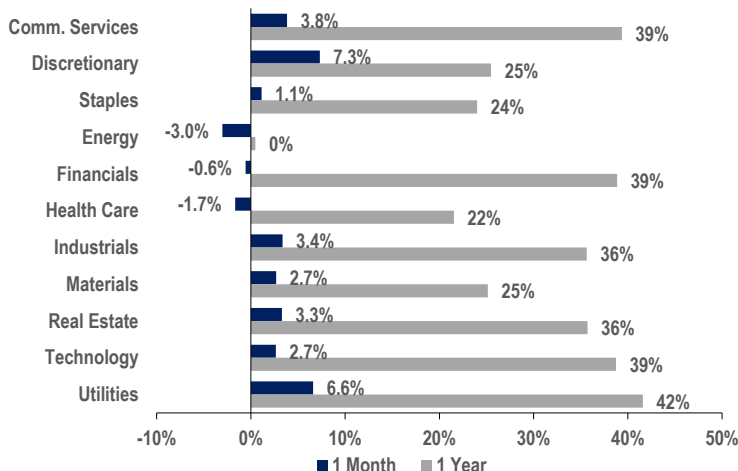
Communication Services Sector SPDR (XLC)	12
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Section I

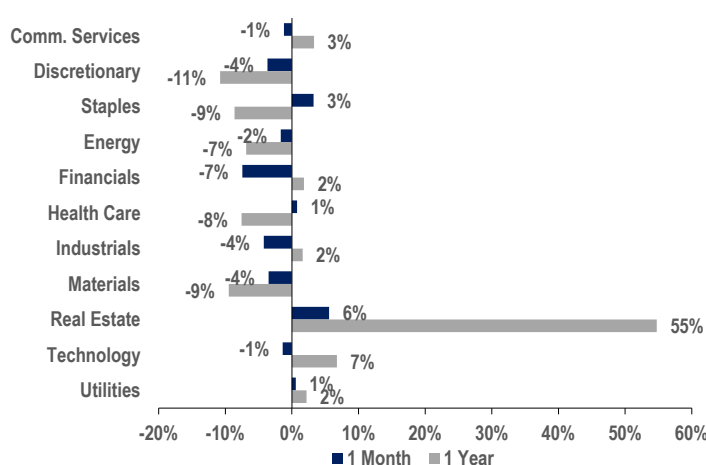
Side-by-Side Sector SPDR Charts

Market Activity & Breakdown

Total Returns* (Price)

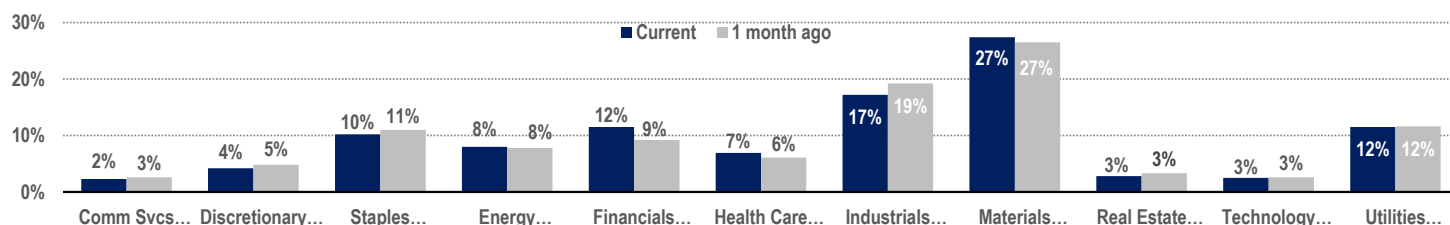


Changes in Shares Outstanding

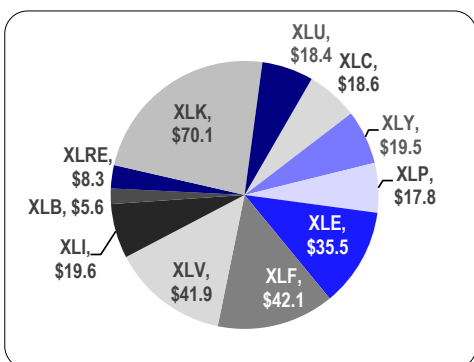


***NOTE:** The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

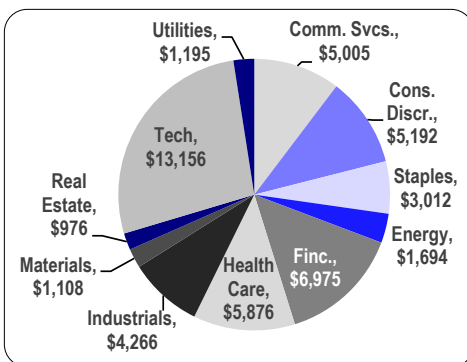
Short Interest (as a percentage of total shares outstanding)



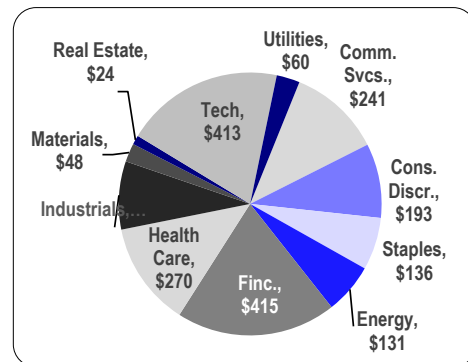
Assets Under Management (\$bns)



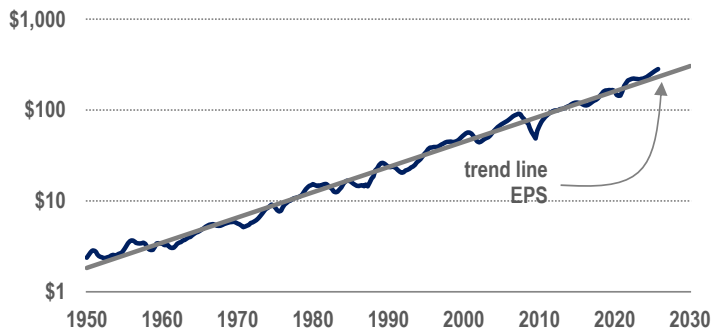
S&P 500 Market Cap by Sector (\$bns)



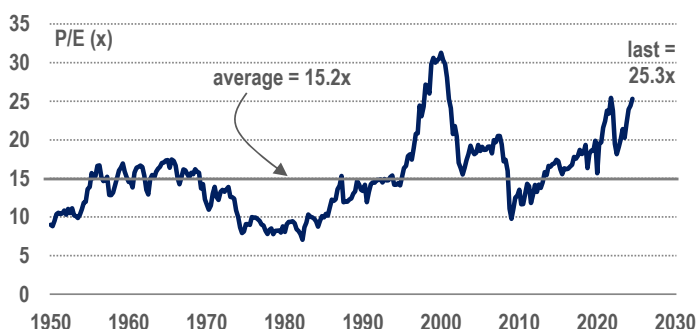
S&P 500 2024E Profits by Sector (\$bns)



S&P 500 Operating Earnings (4 qtrs. rolling, 1950-present)



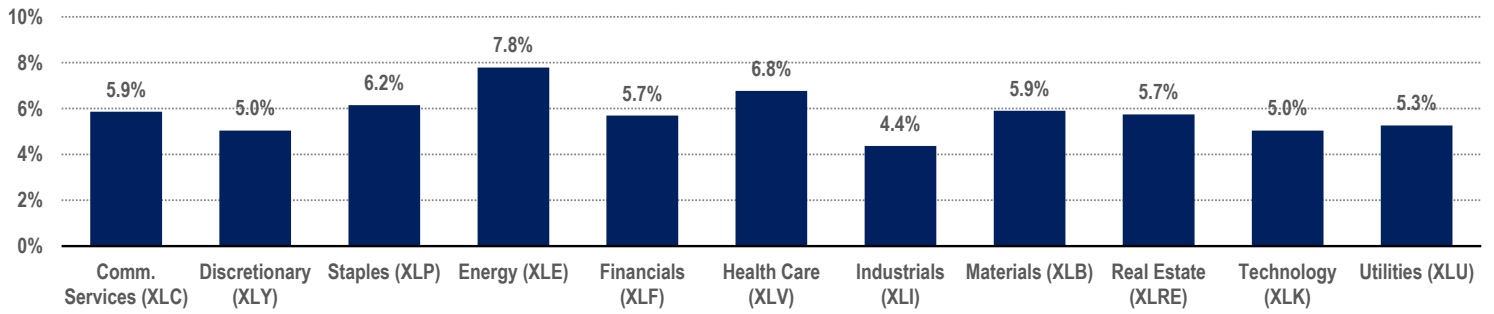
S&P500 Forward P/E multiple on Trend-line EPS



Select Sector SPDRs

This page provides a summary of valuation metrics for the Select Sector SPDRs and S&P 500 which may be considered when buying or selling these funds.

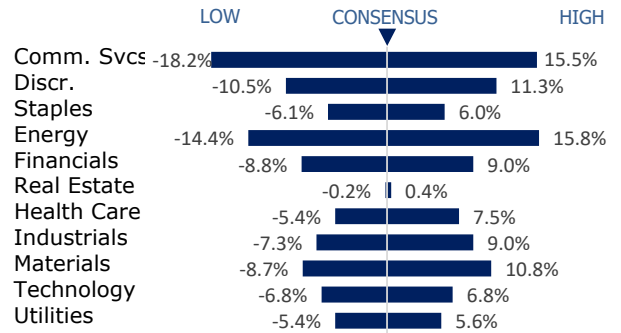
ALTAR Score™



Calculation of ALTAR Score™

	Avg. ROE (20-24E)	Div. by Fwd PBV	Less Exp.	equals ALTAR™
Comm. Services (XLC)	13.9%	2.3x	0.09%	5.9%
Discretionary (XLY)	29.7%	5.8x	0.09%	5.0%
Staples (XLP)	25.1%	4.0x	0.09%	6.2%
Energy (XLE)	14.5%	1.8x	0.09%	7.8%
Financials (XLF)	11.7%	2.0x	0.09%	5.7%
Health Care (XLV)	25.8%	3.8x	0.09%	6.8%
Industrials (XLI)	20.4%	4.6x	0.09%	4.4%
Materials (XLB)	16.1%	2.7x	0.09%	5.9%
Real Estate (XLRE)	15.7%	2.7x	0.09%	5.7%
Technology (XLK)	31.6%	6.1x	0.09%	5.0%
Utilities (XLU)	11.3%	2.1x	0.09%	5.3%

Range of Earnings Estimates (2024E)



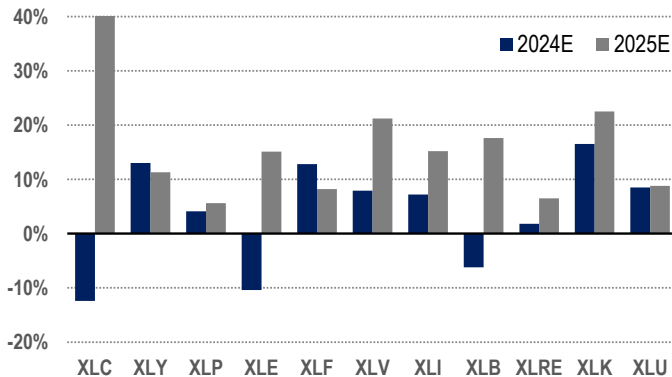
NOTE: The ALTAR Score™ is AltaVista's proprietary measure of an ETF's overall investment merit, based on academic work relating price-to-book value multiples to return on equity (Wilcox, Financial Analysts Journal, Jan-Feb 1984). In general, higher scores suggest better long term investment potential in AltaVista's opinion, but they are not forecasts of future returns. For more information go to www.etfrc.com.

Valuation multiples (based on 2024 estimates)

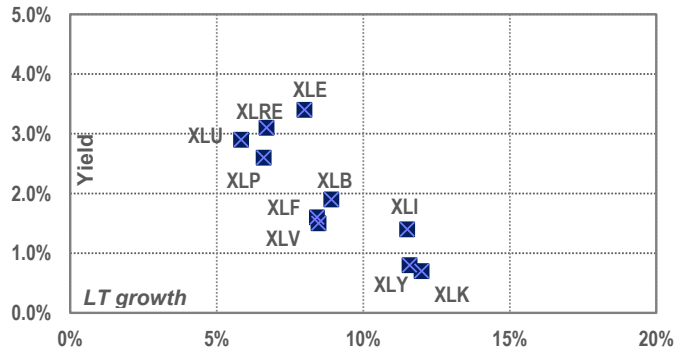
	Price	P/E	PEG	P/CF	P/Sales	P/BV	Yield*
Comm. Services (XLC)	\$90.40	27.3	1.0	10.9	2.1	2.6	1.0
Discretionary (XLY)	\$200.37	24.4	2.1	18.4	2.4	6.8	0.8
Staples (XLP)	\$83.00	20.2	3.1	16.9	1.4	4.3	2.6
Energy (XLE)	\$87.80	13.0	1.6	7.0	1.3	2.0	3.4
Financials (XLF)	\$45.32	16.8	2.0	23.4	3.5	2.2	1.6
Health Care (XLV)	\$154.02	21.9	2.6	19.3	1.9	4.2	1.5
Industrials (XLI)	\$135.44	23.8	2.1	18.9	2.6	5.1	1.4
Materials (XLB)	\$96.38	22.5	2.5	14.4	2.4	2.9	1.9
Real Estate (XLRE)	\$44.67	20.4	3.1	26.1	6.5	2.8	3.1
Technology (XLK)	\$225.76	32.1	2.7	23.1	5.4	7.1	0.7
Utilities (XLU)	\$80.78	19.9	3.4	10.4	2.6	2.2	2.9
S&P500	5,762.48	23.5	2.3	18.2	3.0	4.3	1.3

*Based on consensus dividend forecasts for underlying stocks. May differ from the distribution yield on

Earnings per share growth



Yield* vs. long-term EPS growth of fund constituents



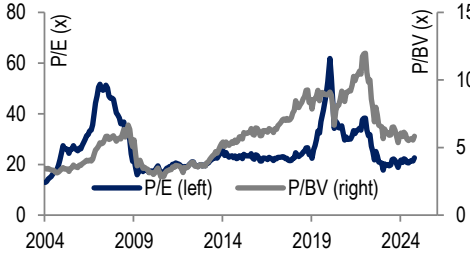
Note: All valuation metrics on this page calculated based on consensus estimates of current fund constituents, as collected by FactSet. Definitions of technical terms can be found on page 23 of this document.

Select Sector SPDRs

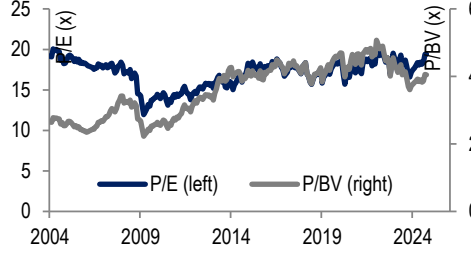
Trends in P/E and P/BV multiples

This page contains monthly observations of historical price-to-earnings (P/E) and price-to-book value (P/BV) multiples based on rolling twelve-months' earnings and book value per share figures, respectively, for each Sector SPDR (maximum value of 100). It illustrates how these funds have traded in the past in relation to these two valuation metrics.

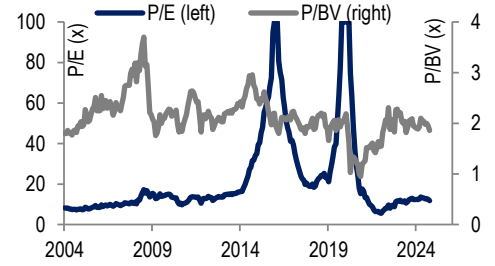
Consumer Discretionary (XLY)



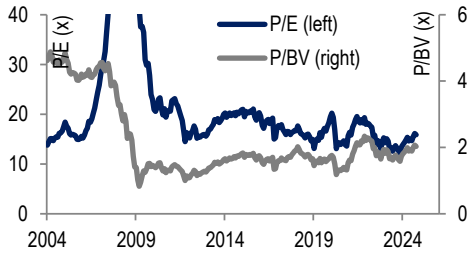
Consumer Staples (XLP)



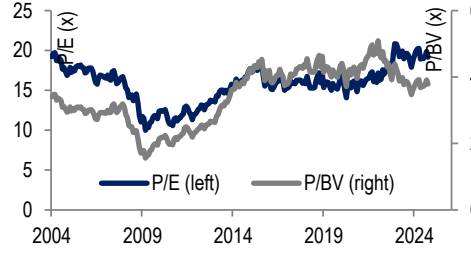
Energy (XLE)



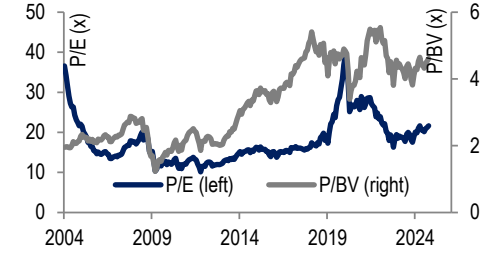
Financials (XLF)



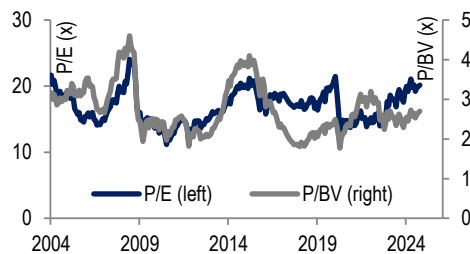
Health Care (XLV)



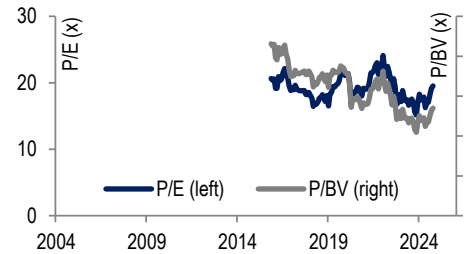
Industrials (XLI)



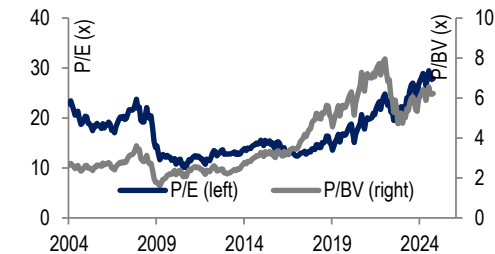
Materials (XLB)



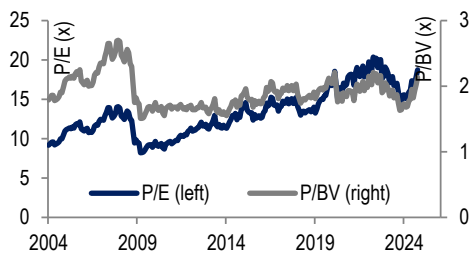
Real Estate (XLRE)



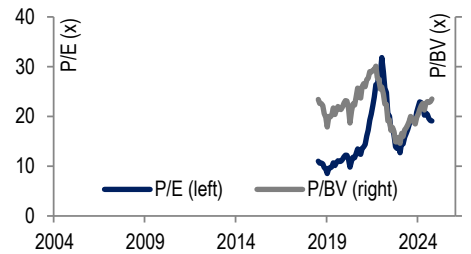
Technology (XLK)



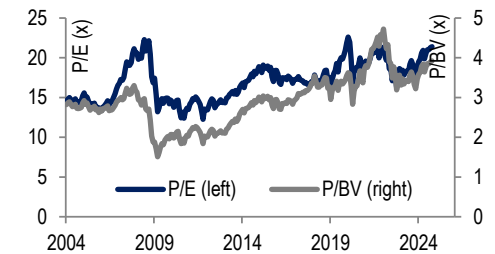
Utilities (XLU)



Communication Services (XLC)



S&P 500 (SPY, IVV & VOO)



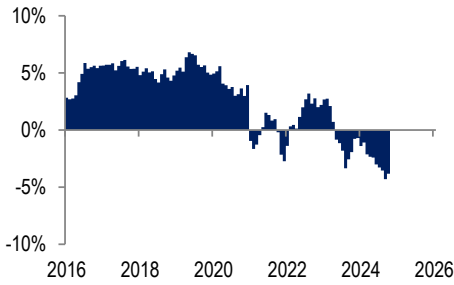
Select Sector SPDRs

Trends in Analysts Consensus Ratings

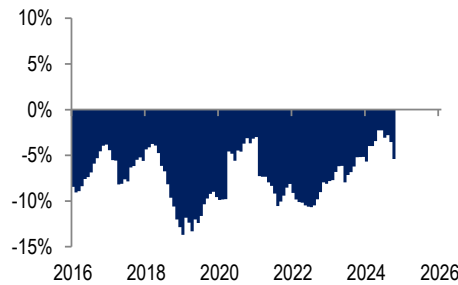
This page contains historical analysts' consensus ratings on each index's underlying constituents, relative to their ratings for the constituents of the S&P 500 overall. A reading of 5% means analysts are five percent more bullish on stocks in the sector than the market overall; a reading of negative 5% means they are five percent more bearish.

Given the prevalence of Buy ratings among analysts for all stocks, the trend and relative ratings may be more important than the rating *level* in gauging analysts' true sentiment regarding the stocks in each index. Investors may consider this along with other data and information when buying or selling any security tracking these indices.

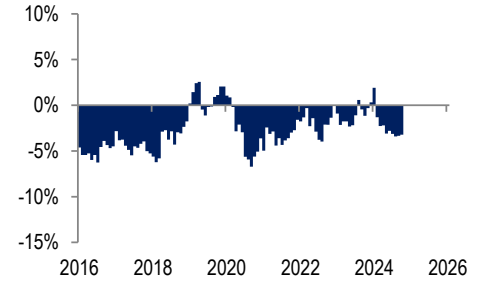
Consumer Discretionary (XLY)



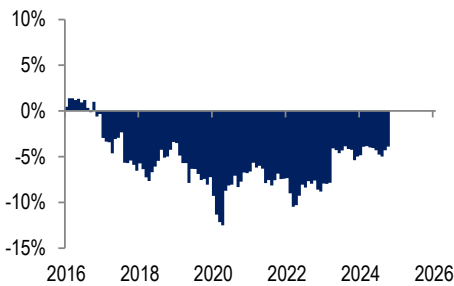
Consumer Staples (XLP)



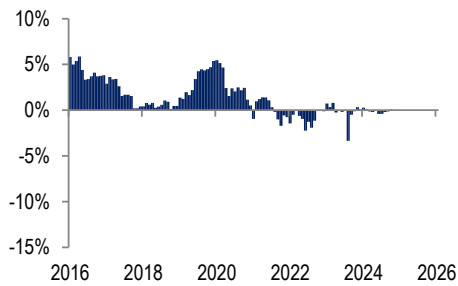
Energy (XLE)



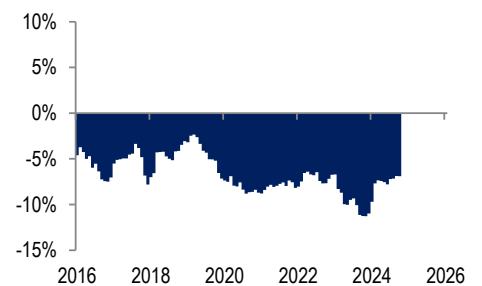
Financials (XLF)



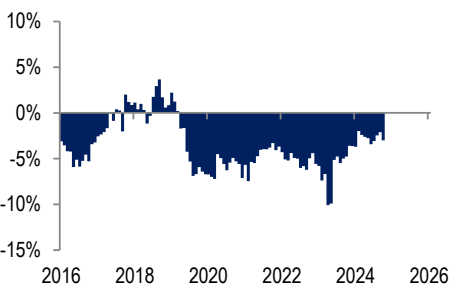
Health Care (XLV)



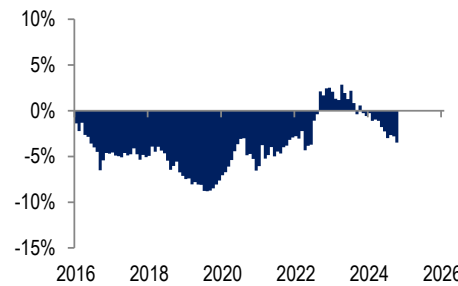
Industrials (XLI)



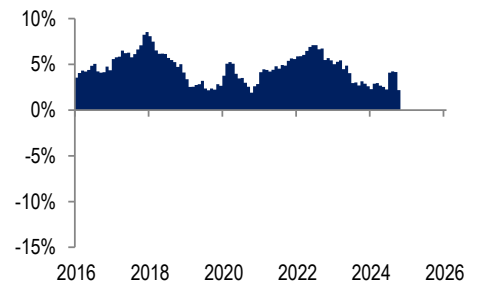
Materials (XLB)



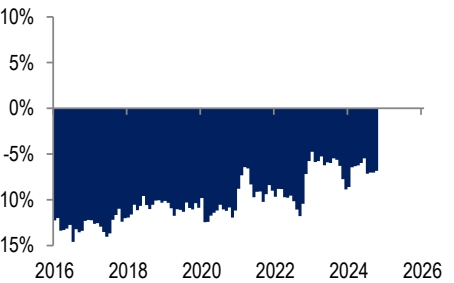
Real Estate (XLRE)



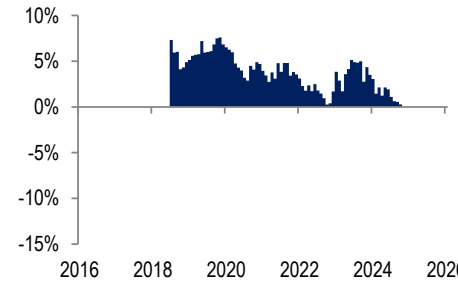
Technology (XLK)



Utilities (XLU)



Comm. Services (XLC)



Section II

Fund Detail Pages

Communication Services Select Sector SPDR Fund

XLC

\$90.40

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category US
 Fund sponsor SSGA
 Inception date June 18, 2018
 Fund assets (mns) \$18,645
 Avg. daily volume (000) 3,859
 Expense ratio (bp) 9
 Distributions Quarterly
 Options availability YES

Total returns (price)*

One year 39.4%
 Five year 13.8%
 Ten year n/a
 Since inception n/a
**as of 09/30/24. See Notes.*

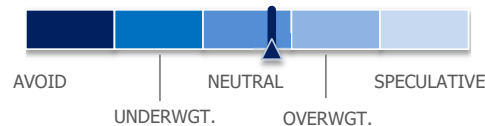
Trading statistics

Beta vs. S&P 500 1.00
 Standard deviation 21.2%

AltaVista Recommendation

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds.



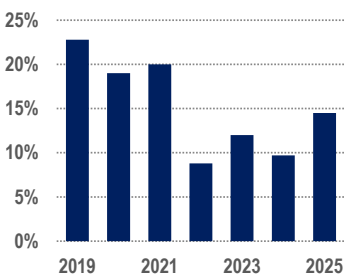
ALTAR Scores™

S&P 500 5.0%
XLC 5.9%
 Cat. Avg. 5.5%

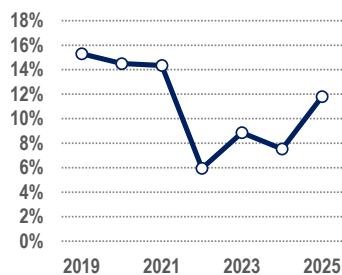
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	31.59	30.23	33.85	41.08	42.65	43.97	46.17	6.8%
Earnings	4.83	4.38	4.85	2.44	3.78	3.31	5.45	n/m
Book Value	23.01	23.12	25.34	29.99	32.95	35.39	39.92	9.0%
Dividends	1.01	1.00	0.90	0.88	0.81	0.87	0.91	n/m
Sales growth		-4.3%	12.0%	21.4%	3.8%	3.1%	5.0%	
EPS growth		-9.4%	10.8%	-49.7%	54.7%	-12.4%	64.7%	

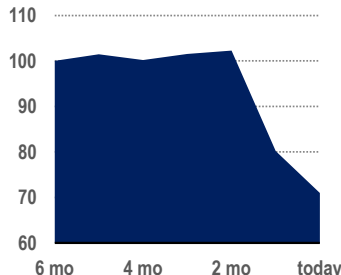
Return on Equity



Net margins



Trend in Current FY Est.



Analyst's opinion

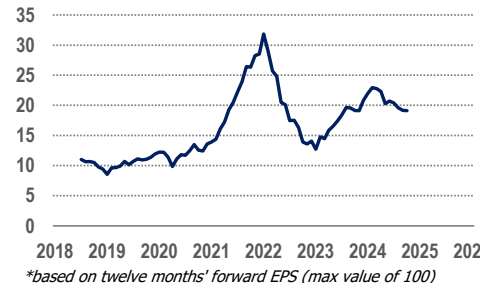
Large write-offs at WBD and other firms are behind the major cuts in estimates recently (see Trend graph), but profits should bounce back next year. If investors are willing to look past that, the sector trades a discount P/E of 16.6x 2025E EPS compared with 20.4x for the S&P 500, which seems attractive to us in light of its above-average long-term growth prospects. However sell-side enthusiasm has waned in recent months to market-neutral.

Valuation metrics

	2024E	2025E
Price-to-Earnings	27.3	16.6
Price-to-Cash Flow	10.9	9.9
Price-to-Sales	2.1	2.0
Price-to-Book Value	2.6	2.3
Yield* (%)	1.0	1.0

**Based on consensus dividend forecasts for underlying stocks. May differ significantly from distribution yield on the ETF.*

Historical P/E ratio*



Other fundamental data

LT growth est. 28.1%
 Payout ratio 26.3%
 Debt-to-equity 1.2x

Top 10 Holdings

META PLATFORMS INC	20.3%
ALPHABET INC. CLASS A	10.7%
ALPHABET INC. CLASS C	8.9%
NETFLIX INC	6.0%
WALT DISNEY CO/THE	4.6%
COMCAST CORP-CL A	4.6%
T-MOBILE US, INC.	4.4%
AT&T INC	4.4%
VERIZON COMMUNICATIONS INC	4.4%
TAKE-TWO INTERACTIVE SOFTWARE	4.3%
TOTAL	72.5%

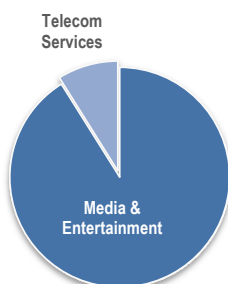
Description

The Communication Services Select Sector SPDR Fund tracks a market-cap-weighted index of US telecommunication and media & entertainment components of the S&P 500 index.

Industry Breakdown

Constituent allocation

No. of constituents	22
Weighted avg mkt cap (mns)	\$817,255
Large cap (>\$10bn)	98.9%
Mid cap (\$2-10bn)	1.1%
Small cap (<\$2bn)	0.0%



For more information visit www.etfrc.com

Consumer Discretionary Select Sector SPDR Fund

XLY

\$200.37

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category	US
Fund sponsor	State Street Global Advisors
Inception date	December 16, 1998
Fund assets (mns)	\$19,477
Avg. daily volume (000)	2,864
Expense ratio	0.09%
Distributions	Quarterly
Options availability	YES

Total returns (price)*

One year	25.5%
Five year	11.7%
Ten year	12.9%
Since inception	9.9%

*as of 09/30/24. See Notes.

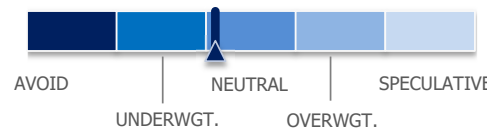
Trading statistics

Beta vs. S&P 500	1.24
Standard deviation	25.7%

AltaVista Recommendation

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds.



ALTAR Scores™

S&P 500	XLY	Cat. Avg.
5.0%	5.0%	5.5%

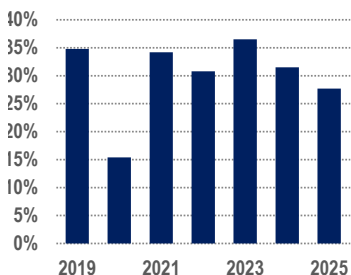
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	56.98	54.33	63.01	73.37	79.61	83.60	88.04	8.0%
Earnings	4.42	2.03	5.38	5.34	7.28	8.23	9.15	13.2%
Book Value	12.62	13.78	17.64	17.06	22.81	29.40	36.80	18.4%
Dividends	1.43	1.01	1.07	1.36	1.53	1.65	1.76	2.8%
Sales growth		-4.7%	16.0%	16.4%	8.5%	5.0%	5.3%	
EPS growth		-54.1%	165.0%	-0.7%	36.3%	13.0%	11.3%	

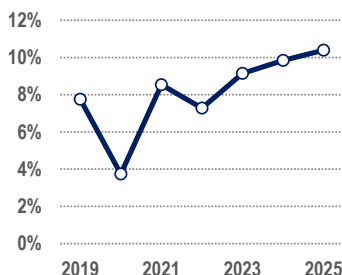
Analyst's opinion

Sell-side sentiment has been deteriorating and recently touched its lowest level in at least 8 years (see Sentiment page) amid a slowing job market, even as estimate revisions stay positive. Though ranked on par with the S&P 500, the Discretionary sector's multiples remain rich in the absolute sense, and we wonder if the increasing margin assumptions baked into earnings forecasts through 2025 are setting investors up for disappointment.

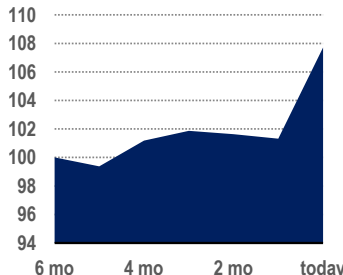
Return on Equity



Net margins



Trend in Current FY Est.



Valuation metrics

	2024E	2025E
Price-to-Earnings	24.4	21.9
Price-to-Cash Flow	18.4	16.5
Price-to-Sales	2.4	2.3
Price-to-Book Value	6.8	5.5
Yield* (%)	0.8	0.9

*Based on consensus dividend forecasts for underlying stocks. May differ significantly from distribution yield on the ETF.

Historical P/E ratio*



Other fundamental data

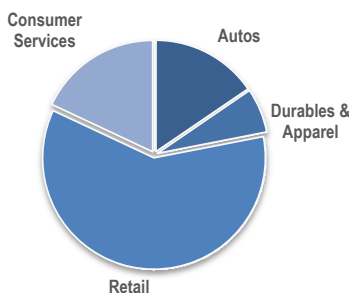
LT EPS growth est.	11.6%
Payout ratio	20.0%
Debt-to-equity	2.4x

Top 10 Holdings

AMAZON.COM INC	22.0%
TESLA MOTORS INC	14.7%
HOME DEPOT INC	8.1%
MCDONALD'S CORP	4.4%
LOWE'S COS INC	4.3%
BOOKING HOLDINGS INC.	3.9%
TJX COMPANIES INC	3.7%
NIKE INC -CL B	2.9%
CHIPOTLE MEXICAN GRILL-CL A	2.2%
TOTAL	69.2%

Description

Select Sector SPDR® holding S&P 500 stocks in the Consumer Discretionary sector. Component industries include Autos & Components; Durables & Apparel; Consumer Services and Retailing. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.



Constituent allocation

No. of constituents	51
Weighted avg mkt cap (mns)	\$642,384
Large cap (>\$10bn)	98.4%
Mid cap (\$2-10bn)	1.6%
Small cap (<\$2bn)	0.0%



For more information visit www.etfrc.com

Consumer Staples Select Sector SPDR Fund

XLP

\$83.00

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category	US
Fund sponsor	State Street Global Advisors
Inception date	December 16, 1998
Fund assets (mns)	\$17,801
Avg. daily volume (000)	10,834
Expense ratio (bp)	9
Distributions	Quarterly
Options availability	YES

Total returns (price)*

One year	24.0%
Five year	9.1%
Ten year	9.2%
Since inception	7.2%

*as of 09/30/24. See Notes.

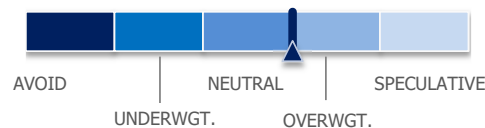
Trading statistics

Beta vs. S&P 500	0.53
Standard deviation	14.0%

AltaVista Recommendation

OVERWEIGHT

Above average appreciation potential. A rating of OVERWEIGHT is assigned to ETFs with ALTAR Scores in the 4th quintile (ranking higher than 60%-80%) of their category. Typically, funds in this category consist of stocks trading at attractive valuations and/or having above-average fundamentals.



ALTAR Scores™

S&P 500	XLP	Cat. Avg.
5.0%	6.2%	5.5%

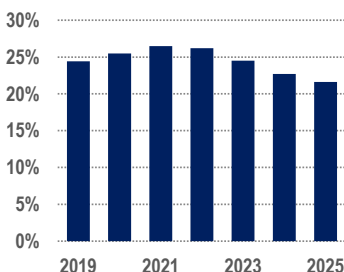
Analyst's opinion

Recent rebalancing had a larger impact on Staples' fundamentals than any other sector--even though changes in the weights of individual holdings weren't as significant--because those getting trimmed were mostly high-P/E names while lower P/E stocks generally grew. (This is also behind the spike in forecasts last month). As a result the sector as a whole is now more attractively valued, earning our Overweight recommendation. Sell-side analysts however have a dimmer view.

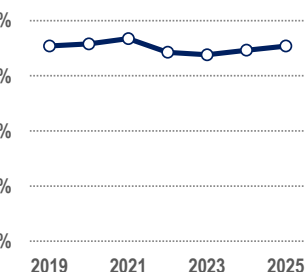
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	45.23	47.41	50.15	56.57	58.46	59.42	61.40	5.6%
Earnings	3.20	3.39	3.69	3.88	3.96	4.12	4.35	5.1%
Book Value	13.22	13.40	14.44	15.21	17.14	19.11	21.21	7.6%
Dividends	1.64	1.68	1.76	1.96	2.03	2.15	2.25	5.6%
Sales growth		4.8%	5.8%	12.8%	3.3%	1.6%	3.3%	
EPS growth		5.9%	8.6%	5.2%	2.0%	4.1%	5.6%	

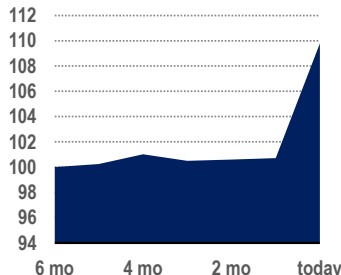
Return on Equity



Net margins



Trend in Current FY Est.



Valuation metrics

	2024E	2025E
Price-to-Earnings	20.2	19.1
Price-to-Cash Flow	16.9	15.5
Price-to-Sales	1.4	1.4
Price-to-Book Value	4.3	3.9
Yield* (%)	2.6	2.7

*Based on consensus dividend forecasts for underlying stocks. May differ significantly from distribution yield on the ETF.

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

Top 10 Holdings

PROCTER & GAMBLE CO/THE	9.8%
COSTCO WHOLESALE CORP	9.4%
WAL-MART STORES INC	8.4%
COCA-COLA CO/THE	6.7%
PEPSICO INC	5.6%
PHILIP MORRIS INTERNATIONAL	4.5%
COLGATE-PALMOLIVE CO	4.4%
MONDELEZ INTERNATIONAL INC-A	4.4%
ALTRIA GROUP INC	4.4%
TARGET CORP	4.1%
TOTAL	61.7%

Constituent allocation

No. of constituents	38
Weighted avg mkt cap (mns)	\$208,061
Large cap (>\$10bn)	99.1%
Mid cap (\$2-10bn)	0.9%
Small cap (<\$2bn)	0.0%

Description

Select Sector SPDR® holding S&P 500 stocks in the Consumer Staples sector. Component industries include Food & Staples Retailing, Food, Beverage & Tobacco producers, and Household and Personal Products companies. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



Other fundamental data

LT growth est.	6.6%
Payout ratio	52.2%
Debt-to-equity	1.1x



For more information visit www.etfrc.com

Energy Select Sector SPDR Fund

XLE

\$87.80

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category US
 Fund sponsor State Street Global Advisors
 Inception date December 16, 1998
 Fund assets (mns) \$35,465
 Avg. daily volume (000) 16,192
 Expense ratio (bp) 9
 Distributions Quarterly
 Options availability YES

Total returns (price)*

One year 0.5%
 Five year 13.6%
 Ten year 3.7%
 Since inception 8.2%

*as of 09/30/24. See Notes.

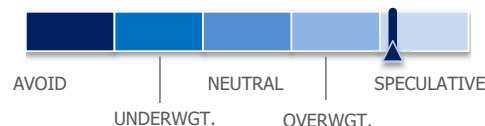
Trading statistics

Beta vs. S&P 500 0.69
 Standard deviation 28.3%

AltaVista Recommendation

SPECULATIVE

Deeply undervalued but risky. A rating of SPECULATIVE is assigned to ETFs with ALTAR Scores in the top quintile (the top 20%) of their category, indicating exceptional appreciation potential. However, often these are narrowly-focused funds or in industries with structural issues, which may also make them very risky.



ALTAR Scores™

S&P 500 5.0%
 XLE 7.8%
 Cat. Avg. 5.5%

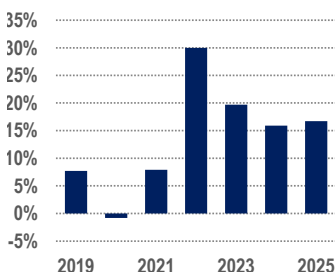
Analyst's opinion

Estimate revisions turned negative over the past few months as oil prices recently touched a 3-year low. Nonetheless years of underinvestment and reasonable valuation metrics--including the cheapest P/E and P/CF multiples of any sector--drive our Overweight recommendation longer-term, though a more favorable regulatory environment come January could change that by driving capex higher and prices lower. Sell-side analysts rate Energy below the broader market.

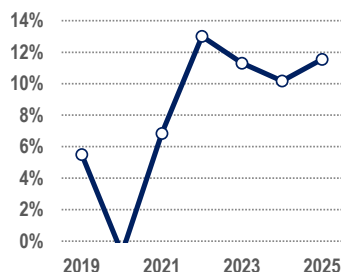
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	49.25	32.72	33.54	76.99	66.52	66.20	67.11	6.1%
Earnings	2.71	-0.25	2.29	10.01	7.52	6.73	7.75	20.0%
Book Value	34.48	27.38	30.91	35.81	40.42	44.20	48.80	5.1%
Dividends	2.33	2.21	1.22	2.89	2.90	2.96	3.14	4.9%
Sales growth		-33.6%	2.5%	129.6%	-13.6%	-0.5%	1.4%	
EPS growth		-109.2%	-1018.1%	336.7%	-24.9%	-10.4%	15.1%	

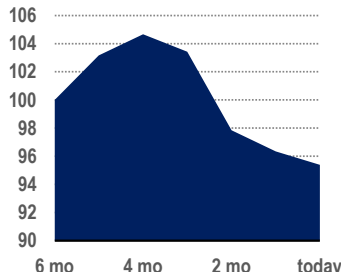
Return on Equity



Net margins



Trend in Current FY Est.

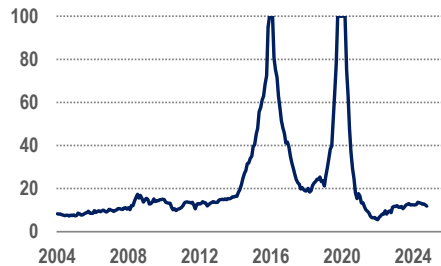


Valuation metrics

	2024E	2025E
Price-to-Earnings	13.0	11.3
Price-to-Cash Flow	7.0	6.6
Price-to-Sales	1.3	1.3
Price-to-Book Value	2.0	1.8
Yield* (%)	3.4	3.6

*Based on consensus dividend forecasts for underlying stocks. May differ significantly from distribution yield on the ETF.

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

Top 10 Holdings

EXXON MOBIL CORP	23.3%
CHEVRON CORP	15.5%
CONOCOPHILLIPS	7.6%
SCHLUMBERGER LTD	4.5%
EOG RESOURCES, INC.	4.5%
WILLIAMS COS INC	4.2%
PHILLIPS 66	4.1%
MARATHON PETROLEUM	4.1%
ONEOK INC	4.0%
VALERO ENERGY CORP	3.3%
TOTAL	75.0%

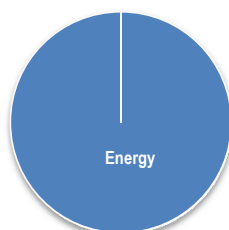
Constituent allocation

No. of constituents	22
Weighted avg mkt cap (mns)	\$195,939
Large cap (>\$10bn)	99.3%
Mid cap (\$2-10bn)	0.7%
Small cap (<\$2bn)	0.0%

Description

Select Sector SPDR® holding S&P 500 stocks in the Energy sector. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



Other fundamental data

LT growth est.	8.0%
Payout ratio	44.0%
Debt-to-equity	0.5x



For more information visit www.etfrc.com

Financial Select Sector SPDR Fund

XLF

\$45.32

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category US
 Fund sponsor State Street Global Advisors
 Inception date December 16, 1998
 Fund assets (mns) \$42,125
 Avg. daily volume (000) 38,239
 Expense ratio (bp) 9
 Distributions Quarterly
 Options availability YES

Total returns (price)*

One year 38.9%
 Five year 12.3%
 Ten year 13.8%
 Since inception 6.9%

*as of 09/30/24. See Notes.

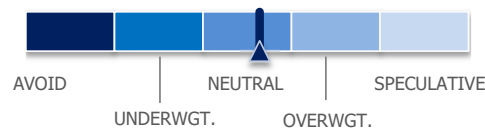
Trading statistics

Beta vs. S&P 500 0.93
 Standard deviation 20.3%

AltaVista Recommendation

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds.

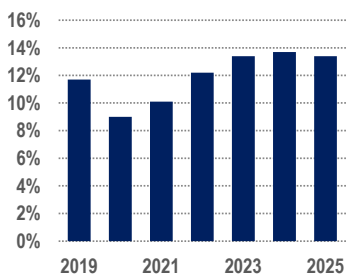


ALTAR Scores™
 S&P 500 5.0%
 XLF 5.7%
 Cat. Avg. 5.5%

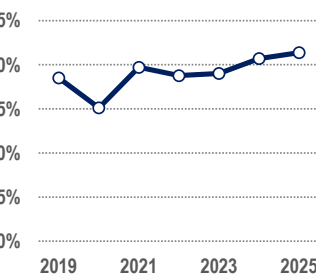
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	9.82	10.08	9.15	11.40	12.61	13.06	13.69	5.9%
Earnings	1.82	1.52	1.80	2.14	2.40	2.71	2.93	8.3%
Book Value	16.45	17.52	18.19	17.05	18.82	20.82	23.01	4.8%
Dividends	0.51	0.51	0.38	0.61	0.64	0.70	0.75	6.9%
Sales growth		2.6%	-9.2%	24.7%	10.6%	3.6%	4.8%	
EPS growth		-16.2%	18.5%	18.7%	12.1%	12.8%	8.2%	

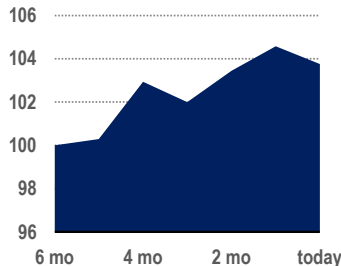
Return on Equity



Net margins



Trend in Current FY Est.



Analyst's opinion

Estimates had been trending upwards as the start of the rate-cutting cycle drew near, and now that it is here earnings are forecast to grow another 8% next year presuming the economy avoids recession. Valuations remain well within their long-term range excluding the GFC when earnings tanked (P/E History chart). We rank Financials ahead of the S&P 500 though still in Neutral territory; however sell-side sentiment remains below average (see Sentiment page).

Valuation metrics

	2024E	2025E
Price-to-Earnings	16.8	15.5
Price-to-Cash Flow	23.4	21.4
Price-to-Sales	3.5	3.3
Price-to-Book Value	2.2	2.0
Yield* (%)	1.6	1.7

*Based on consensus dividend forecasts for underlying stocks. May differ significantly from distribution yield on the ETF.

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

Other fundamental data

LT growth est. 8.4%
 Payout ratio 26.0%
 Debt-to-equity 1.4x

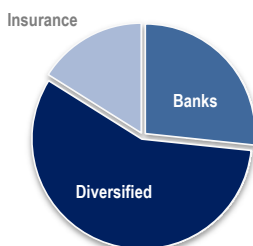
Top 10 Holdings

BERKSHIRE HATHAWAY INC-CL B	13.4%
JPMORGAN CHASE & CO	9.5%
VISA INC. CLASS A	7.3%
MASTERCARD INCORPORATED CLASS	6.5%
BANK OF AMERICA CORP	4.3%
WELLS FARGO & CO	3.1%
S&P GLOBAL, INC.	2.6%
GOLDMAN SACHS GROUP INC	2.5%
AMERICAN EXPRESS CO	2.4%
PROGRESSIVE CORP	2.4%
TOTAL	53.8%

Description

Select Sector SPDR® holding S&P 500 stocks in the Financial sector. Component industries include diversified financial services, insurance, banks, capital markets, consumer finance, thrifts and mortgage finance, and mortgage REITs. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



Constituent allocation

No. of constituents	72
Weighted avg mkt cap (mns)	\$348,476
Large cap (>\$10bn)	99.6%
Mid cap (\$2-10bn)	0.4%
Small cap (<\$2bn)	0.0%



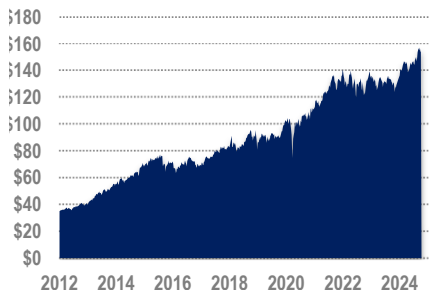
For more information visit www.etfrc.com

Health Care Select Sector SPDR Fund

XLV

\$154.02

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category	US
Fund sponsor	State Street Global Advisors
Inception date	December 16, 1998
Fund assets (mns)	\$41,942
Avg. daily volume (000)	6,578
Expense ratio (bp)	9
Distributions	Quarterly
Options availability	YES

Total returns (price)*

One year	21.5%
Five year	13.2%
Ten year	11.0%
Since inception	9.2%

*as of 09/30/24. See Notes.

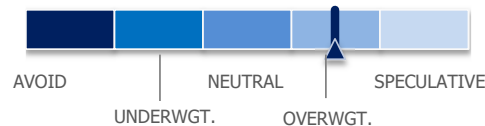
Trading statistics

Beta vs. S&P 500	0.63
Standard deviation	14.7%

AltaVista Recommendation

OVERWEIGHT

Above average appreciation potential. A rating of OVERWEIGHT is assigned to ETFs with ALTAR Scores in the 4th quintile (ranking higher than 60%-80%) of their category. Typically, funds in this category consist of stocks trading at attractive valuations and/or having above-average fundamentals.

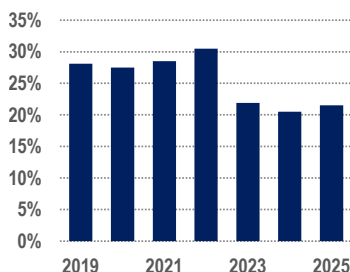


	ALTAR Scores™	
S&P 500	XLV	Cat. Avg.
5.0%	6.8%	5.5%

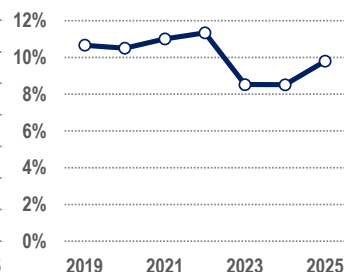
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	52.91	57.69	63.80	72.43	76.64	82.76	87.18	9.4%
Earnings	5.64	6.06	7.02	8.21	6.53	7.05	8.54	4.5%
Book Value	20.91	23.12	26.22	27.67	32.00	36.66	42.67	11.9%
Dividends	1.63	1.77	1.82	2.14	2.20	2.39	2.53	8.0%
Sales growth		9.0%	10.6%	13.5%	5.8%	8.0%	5.3%	
EPS growth		7.4%	15.9%	16.9%	-20.5%	7.9%	21.2%	

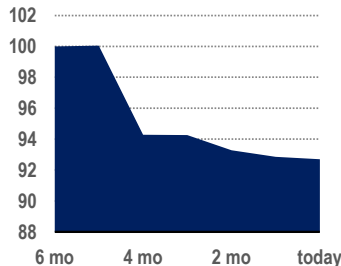
Return on Equity



Net margins



Trend in Current FY Est.



Analyst's opinion

Earnings estimates took a hit this summer and continue to drift lower (see Trend chart) but are nonetheless on track to surpass the vaccine-related peak of 2022 by next year. Meanwhile Health Care stocks continue to trade near the upper end of their P/E range of the last 20 years but still appear reasonable versus the broader market, resulting in our Overweight recommendation. Sell-side analysts however view the sector on par with the S&P 500.

Valuation metrics

	2024E	2025E
Price-to-Earnings	21.9	18.0
Price-to-Cash Flow	19.3	17.1
Price-to-Sales	1.9	1.8
Price-to-Book Value	4.2	3.6
Yield* (%)	1.5	1.6

*Based on consensus dividend forecasts for underlying stocks. May differ significantly from distribution yield on the ETF.

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

Other fundamental data

LT growth est.	8.5%
Payout ratio	33.9%
Debt-to-equity	0.8x

Top 10 Holdings

ELI LILLY & CO	12.4%
UNITEDHEALTH GROUP INC	9.5%
JOHNSON & JOHNSON	6.9%
ABBVIE INC	6.2%
MERCK & CO. INC.	5.1%
THERMO FISHER SCIENTIFIC INC	4.2%
ABBOTT LABORATORIES	3.5%
DANAHER CORP	3.2%
INTUITIVE SURGICAL INC	3.1%
AMGEN INC	3.1%
TOTAL	57.0%

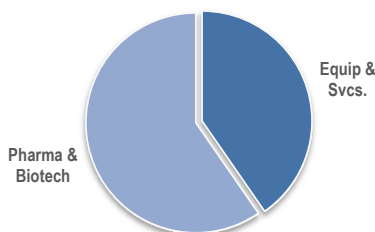
Description

Select Sector SPDR® holding S&P 500 stocks in the Health Care sector. Component industries include Health Care Equipment & Services; and Pharmaceutical & Biotechnology. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown

Constituent allocation

No. of constituents	62
Weighted avg mkt cap (mns)	\$291,419
Large cap (>\$10bn)	99.2%
Mid cap (\$2-10bn)	0.6%
Small cap (<\$2bn)	0.0%



For more information visit www.etfrc.com

Industrial Select Sector SPDR Fund

XLI

\$135.44

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category	US
Fund sponsor	State Street Global Advisors
Inception date	December 16, 1998
Fund assets (mns)	\$19,608
Avg. daily volume (000)	7,441
Expense ratio (bp)	9
Distributions	Quarterly
Options availability	YES

Total returns (price)*

One year	35.6%
Five year	13.6%
Ten year	11.9%
Since inception	9.3%

*as of 09/30/24. See Notes.

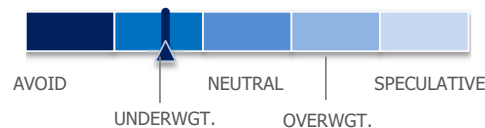
Trading statistics

Beta vs. S&P 500	1.01
Standard deviation	19.8%

AltaVista Recommendation

UNDERWEIGHT

Below average appreciation potential. A rating of UNDERWEIGHT is assigned to ETFs with ALTAR Scores in the 2nd quintile (ranking higher than only 20%-40%) of their category. Typically, funds in this category consist of stocks trading at relatively expensive valuations and/or having below-average fundamentals.



ALTAR Scores™

S&P 500	XLI	Cat. Avg.
5.0%	4.4%	5.5%

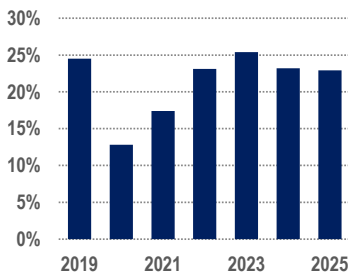
Analyst's opinion

The margin expansion baked into estimates for 2024-25 seem optimistic to us given the deteriorating outlook for global growth (even as China unveils new stimulus measures). P/E multiples remain rich excluding the Covid spike (due to the earnings collapse in 2020), resulting in our Underweight recommendation. Sell-side analysts agree: Industrials now have the lowest rating of any sector (Sentiment page), though additional rate cuts could improve the outlook.

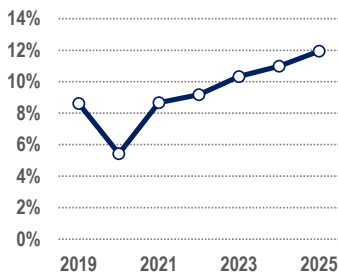
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	43.26	38.44	36.07	48.25	51.32	51.74	54.80	3.6%
Earnings	3.73	2.09	3.13	4.43	5.30	5.68	6.55	8.8%
Book Value	15.74	16.84	19.19	19.11	22.59	26.36	30.85	10.9%
Dividends	1.52	1.42	1.13	1.71	1.82	1.92	2.05	4.7%
Sales growth		-11.1%	-6.2%	33.8%	6.4%	0.8%	5.9%	
EPS growth		-44.0%	49.8%	41.5%	19.8%	7.2%	15.2%	

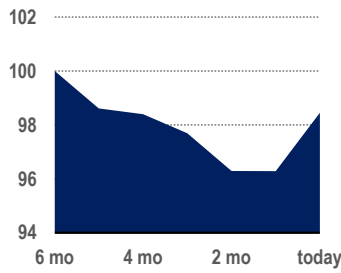
Return on Equity



Net margins



Trend in Current FY Est.



Valuation metrics

	2024E	2025E
Price-to-Earnings	23.8	20.7
Price-to-Cash Flow	18.9	17.1
Price-to-Sales	2.6	2.5
Price-to-Book Value	5.1	4.4
Yield* (%)	1.4	1.5

*Based on consensus dividend forecasts for underlying stocks. *Ma differ significantly from distribution yield on the ETF.*

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

Other fundamental data

LT growth est.	11.5%
Payout ratio	33.7%
Debt-to-equity	1.3x

Top 10 Holdings

GE AEROSPACE	4.9%
CATERPILLAR INC	4.6%
RTX CORP	3.9%
UBER TECHNOLOGIES, INC.	3.8%
UNION PACIFIC CORP	3.6%
HONEYWELL INTERNATIONAL INC	3.2%
EATON CORP PLC	3.2%
LOCKHEED MARTIN CORP	3.0%
AUTOMATIC DATA PROCESSING	2.7%
DEERE & CO	2.6%
TOTAL	35.5%

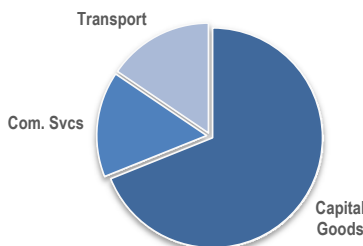
Constituent allocation

No. of constituents	77
Weighted avg mkt cap (mns)	\$92,938
Large cap (>\$10bn)	97.2%
Mid cap (\$2-10bn)	0.4%
Small cap (<\$2bn)	0.0%

Description

Select Sector SPDR® holding S&P 500 stocks in the Industrials sector. Component industries include Capital Goods; Commercial Services & Supplies; and Transportation firms. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



For more information visit www.etfrc.com

Materials Select Sector SPDR Fund

XLB

\$96.38

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category	US
Fund sponsor	State Street Global Advisors
Inception date	December 16, 1998
Fund assets (mns)	\$5,563
Avg. daily volume (000)	3,738
Expense ratio (bp)	9
Distributions	Quarterly
Options availability	YES

Total returns (price)*

One year	25.1%
Five year	12.9%
Ten year	9.1%
Since inception	8.9%

*as of 09/30/24. See Notes.

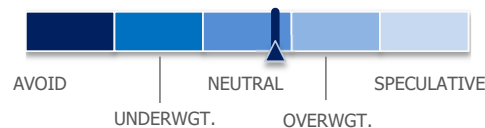
Trading statistics

Beta vs. S&P 500	1.05
Standard deviation	21.7%

AltaVista Recommendation

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds.

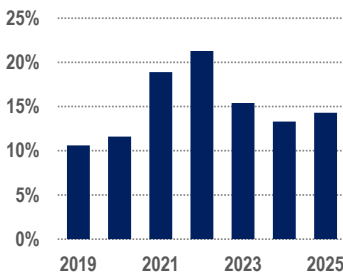


	ALTAR Scores™	
S&P 500	XLB	Cat. Avg.
5.0%	5.9%	5.5%

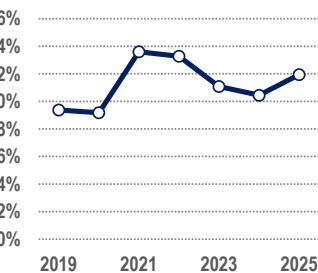
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	32.92	31.20	36.41	44.86	41.22	41.02	42.19	4.5%
Earnings	3.08	2.86	4.95	5.96	4.57	4.28	5.04	6.8%
Book Value	24.55	24.69	27.57	28.30	31.09	33.56	36.69	6.5%
Dividends	1.31	1.41	1.37	1.87	1.77	1.82	1.91	6.7%
Sales growth		-5.2%	16.7%	23.2%	-8.1%	-0.5%	2.9%	
EPS growth		-7.2%	72.9%	20.3%	-23.3%	-6.2%	17.6%	

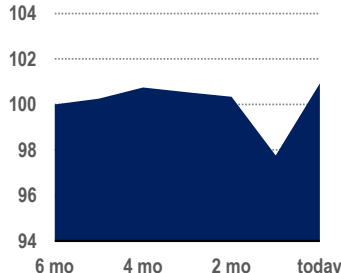
Return on Equity



Net margins



Trend in Current FY Est.



Analyst's opinion

Stimulus measures in China may be a net positive for commodity prices, but slowing growth in the US could offset that while the longshoremen's strike is wild card. Analysts don't foresee earnings recovering until next year, and still well below the peak seen in 2022. With P/E multiples towards the upper end of their historical range, the sector rates in Neutral territory in our value-conscious framework, though still ahead of the S&P 500.

Valuation metrics

	2024E	2025E
Price-to-Earnings	22.5	19.1
Price-to-Cash Flow	14.4	13.2
Price-to-Sales	2.4	2.3
Price-to-Book Value	2.9	2.6
Yield* (%)	1.9	2.0

*Based on consensus dividend forecasts for underlying stocks. *Ma* differ significantly from distribution yield on the ETF.

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

Top 10 Holdings

LINDE PLC	17.5%
SHERWIN-WILLIAMS CO/THE	6.8%
FREEMONT-MCMORAN COPPER	5.5%
AIR PRODUCTS & CHEMICALS INC	5.1%
ECOLAB INC	4.9%
NEWMONT MINING CORP	4.7%
CORTEVA INC	4.5%
DOW, INC.	4.2%
DUPONT DE NEMOURS INC	4.1%
NUCOR CORP	3.9%
TOTAL	61.1%

Description

Select Sector SPDR® holding S&P 500 stocks in the Basic Materials sector. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



Constituent allocation

No. of constituents	28
Weighted avg mkt cap (mns)	\$78,024
Large cap (>\$10bn)	99.1%
Mid cap (\$2-10bn)	0.9%
Small cap (<\$2bn)	0.0%

Other fundamental data

LT growth est.	8.9%
Payout ratio	42.4%
Debt-to-equity	0.7x



For more information visit www.etfrc.com

Real Estate Select Sector SPDR Fund

XLRE

\$44.67

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category	US
Fund sponsor	State Street Global Advisors
Inception date	October 7, 2015
Fund assets (mns)	\$8,302
Avg. daily volume (000)	5,105
Expense ratio (bp)	9
Distributions	Quarterly
Options availability	YES

Total returns (price)*

One year	35.7%
Five year	6.1%
Ten year	n/a
Since inception	n/a

*as of 09/30/24. See Notes.

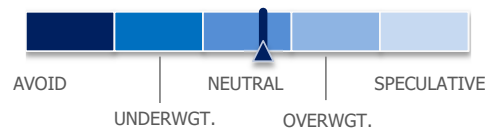
Trading statistics

Beta vs. S&P 500	1.08
Standard deviation	22.7%

AltaVista Recommendation

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds.



ALTAR Scores™

S&P 500	XLRE	Cat. Avg.
5.0%	5.7%	5.5%

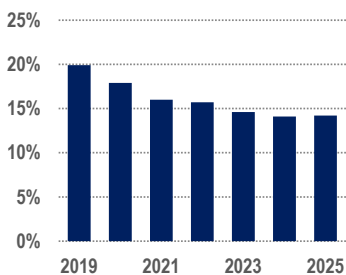
Analyst's opinion

After two years of almost no earnings growth (2023-24E), now that interest rates are falling analysts forecast growth in the range of 7% for next year. Recent outperformance by these stocks has tipped our rating down to Neutral territory but still ahead of the S&P 500. Importantly, the sector is dominated by tech and mobile infrastructure plays (5G towers, AI data centers, etc.) more so than troubled commercial real estate.

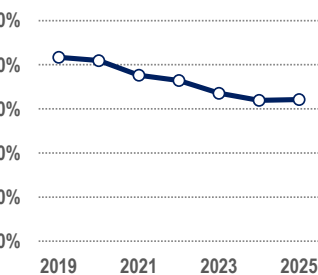
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	4.50	4.46	5.07	5.90	6.41	6.85	7.26	8.8%
Earnings	1.88	1.83	1.91	2.15	2.15	2.19	2.33	3.1%
Book Value	9.63	10.84	13.09	14.29	15.12	15.95	16.85	10.6%
Dividends	1.14	1.08	1.13	1.36	1.37	1.40	1.46	4.1%
Sales growth		-0.9%	13.8%	16.2%	8.7%	6.9%	6.0%	
EPS growth		-2.6%	4.5%	12.6%	0.1%	1.8%	6.5%	

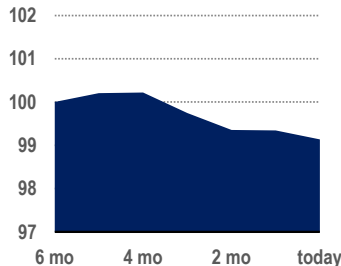
Return on Equity



Net margins



Trend in Current FY Est.



Valuation metrics

	2024E	2025E
Price-to-Earnings	20.4	19.2
Price-to-Cash Flow	26.1	18.8
Price-to-Sales	6.5	6.2
Price-to-Book Value	2.8	2.7
Yield* (%)	3.1	3.3

*Based on consensus dividend forecasts for underlying stocks. May differ significantly from distribution yield on the ETF.

Historical P/E ratio*



*based on twelve months' forward FFO (max value of 100)

Other fundamental data

LT growth est.	6.7%
Payout ratio	63.9%
Debt-to-equity	1.3x

Top 10 Holdings

PROLOGIS INC	10.2%
AMERICAN TOWER CORP-CL A	9.5%
EQUINIX INC	7.4%
WELLTOWER, INC.	6.5%
PUBLIC STORAGE	5.0%
REALTY INCOME CORP	4.8%
SIMON PROPERTY GROUP INC	4.5%
CROWN CASTLE INTL CORP	4.5%
DIGITAL REALTY TRUST INC	4.4%
EXTRA SPACE STORAGE INC	3.3%
TOTAL	60.1%

Description

Select Sector SPDR® holding S&P 500 stocks in the Real Estate sector. Component industries Real Estate Investment Trusts, excluding Mortgage REITS. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



Constituent allocation

No. of constituents	31
Weighted avg mkt cap (mns)	\$51,138
Large cap (>\$10bn)	99.3%
Mid cap (\$2-10bn)	0.8%
Small cap (<\$2bn)	0.0%



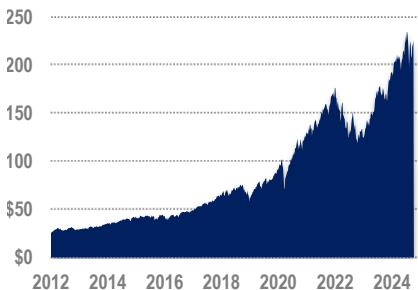
For more information visit www.etfrc.com

Technology Select Sector SPDR Fund

XLK

\$225.76

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category	US
Fund sponsor	State Street Global Advisors
Inception date	December 16, 1998
Fund assets (mns)	\$70,089
Avg. daily volume (000)	4,830
Expense ratio (bp)	9
Distributions	Quarterly
Options availability	YES

Total returns (price)*

One year	38.7%
Five year	24.1%
Ten year	20.5%
Since inception	9.4%

*as of 09/30/24. See Notes.

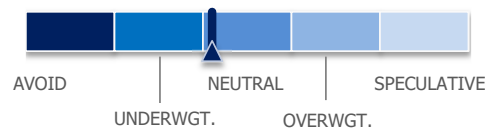
Trading statistics

Beta vs. S&P 500	1.21
Standard deviation	23.7%

AltaVista Recommendation

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds.



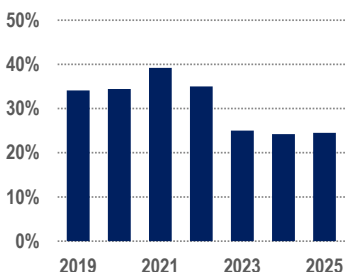
ALTAR Scores™

S&P 500	XLK	Cat. Avg.
5.0%	5.0%	5.5%

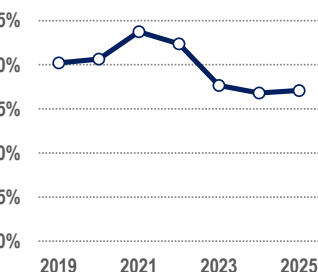
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	22.74	23.98	27.38	31.39	34.25	41.92	50.51	13.0%
Earnings	4.60	4.95	6.50	7.02	6.05	7.04	8.63	8.9%
Book Value	13.76	14.99	18.15	21.98	26.44	31.82	38.69	18.3%
Dividends	1.43	1.36	1.38	1.61	1.59	1.66	1.77	3.1%
Sales growth		5.4%	14.2%	14.6%	9.1%	22.4%	20.5%	
EPS growth		7.7%	31.4%	8.0%	-13.9%	16.5%	22.5%	

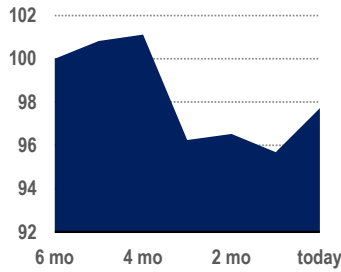
Return on Equity



Net margins



Trend in Current FY Est.



Analyst's opinion

Recent rebalancing among the fund's largest constituents had little effect on underlying profits as a whole since those holdings all have similar P/Es. Tech stocks overall remain just below their all-time highs, with a P/E ratio also near historical highs (chart below). Sell-side analysts continue to view Tech more favorably than any other sector, but we think caution is in order as further rate cuts could spur rotation into more economically-sensitive sectors.

Valuation metrics

	2024E	2025E
Price-to-Earnings	32.1	26.2
Price-to-Cash Flow	23.1	17.7
Price-to-Sales	5.4	4.5
Price-to-Book Value	7.1	5.8
Yield* (%)	0.7	0.8

*Based on consensus dividend forecasts for underlying stocks. *Ma differ significantly from distribution yield on the ETF.*

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

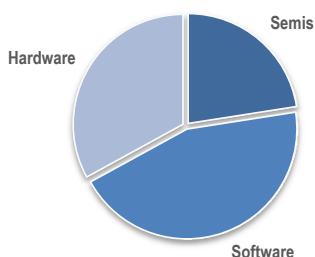
Top 10 Holdings

APPLE INC	15.0%
MICROSOFT CORP	13.6%
NVIDIA CORP	12.7%
BROADCOM INC.	4.5%
ORACLE CORP	3.0%
ADVANCED MICRO DEVICES	2.9%
SALESFORCE.COM INC	2.9%
ADOBE SYSTEMS INC	2.5%
ACCENTURE PLC-CL A	2.4%
CISCO SYSTEMS INC	2.4%
TOTAL	61.9%

Description

Select Sector SPDR® holding S&P 500 stocks in the Technology sector. Component industries include Semiconductors & Semi Equipment; Software & Services; Tech Hardware & Equipment; and Telecommunication Services. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



Constituent allocation

No. of constituents	68
Weighted avg mkt cap (mns)	\$1,174,560
Large cap (>\$10bn)	100.0%
Mid cap (\$2-10bn)	0.0%
Small cap (<\$2bn)	0.0%

Other fundamental data

LT growth est.	12.0%
Payout ratio	23.6%
Debt-to-equity	0.6x



For more information visit www.etfrc.com

Utilities Select Sector SPDR Fund

XLU

\$80.78

Trading History



NOTES: The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance quoted. Investment return and principal value will vary, and shares, when redeemed, may be worth more or less than their original cost. Additional performance info current to most recent month-end at www.sectorspdr.com/performance.

Fund basics

AltaVista Category US
 Fund sponsor State Street Global Advisors
 Inception date December 16, 1998
 Fund assets (mns) \$18,440
 Avg. daily volume (000) 11,244
 Expense ratio (bp) 9
 Distributions Quarterly
 Options availability YES

Total returns (price)*

One year 41.6%
 Five year 7.9%
 Ten year 10.3%
 Since inception 7.9%

*as of 09/30/24. See Notes.

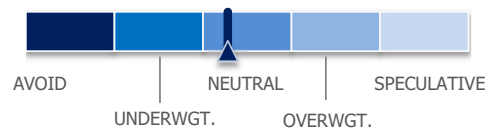
Trading statistics

Beta vs. S&P 500 0.65
 Standard deviation 18.1%

AltaVista Recommendation

NEUTRAL

Average appreciation potential. A rating of NEUTRAL is assigned to ETFs with ALTAR Scores in the middle quintile (ranking between 40%-60%) of their category. This indicates that valuations adequately reflect the fundamentals of stocks in these funds.



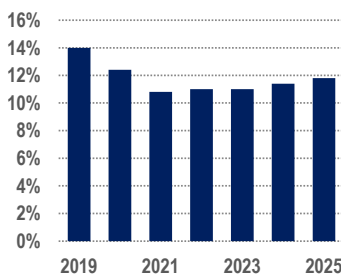
ALTAR Scores™

S&P 500 5.0%
XLU 5.3%
 Cat. Avg. 5.5%

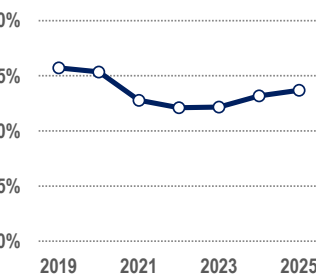
Per share results & estimates

	2019	2020	2021	2022	2023	2024E	2025E	19-24E CAGR
Sales	25.40	24.38	26.98	29.92	30.83	30.88	32.36	4.0%
Earnings	3.99	3.74	3.45	3.62	3.75	4.07	4.43	0.4%
Book Value	29.19	31.05	32.64	33.36	34.93	36.68	38.66	4.7%
Dividends	2.64	2.18	2.07	2.13	2.18	2.32	2.46	n/m
Sales growth		-4.0%	10.7%	10.9%	3.0%	0.1%	4.8%	
EPS growth		-6.3%	-7.9%	5.1%	3.5%	8.5%	8.8%	

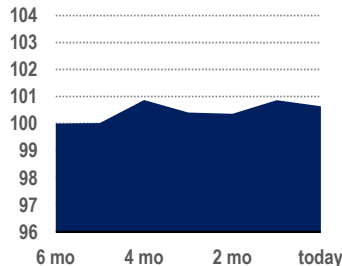
Return on Equity



Net margins



Trend in Current FY Est.



Analyst's opinion

Utilities were the best performing sector over the last year (+42%) as investor cheered on interest rate cuts, but now soaring prices are pushing valuations near historical highs and depressing dividend yields, which could strain further share price appreciation. We rate the sector about on par with the market, but sell-side analysts view it less optimistically than any other sector except Industrials.

Valuation metrics

	2024E	2025E
Price-to-Earnings	19.9	18.2
Price-to-Cash Flow	10.4	9.6
Price-to-Sales	2.6	2.5
Price-to-Book Value	2.2	2.1
Yield* (%)	2.9	3.0

*Based on consensus dividend forecasts for underlying stocks. *Ma differ significantly from distribution yield on the ETF.*

Historical P/E ratio*



*based on twelve months' forward EPS (max value of 100)

Other fundamental data

LT growth est. 5.8%
 Payout ratio 56.9%
 Debt-to-equity 1.7x

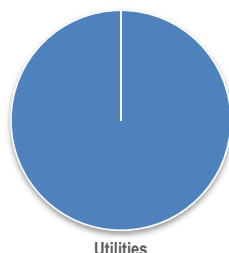
Top 10 Holdings

NEXTERA ENERGY GROUP	14.1%
SOUTHERN CO	8.0%
DUKE ENERGY CORP	7.2%
CONSTELLATION ENERGY CORPORAT	6.6%
AMERICAN ELECTRIC POWER	4.4%
SEMPRA ENERGY	4.3%
DOMINION RESOURCES INC/VA	3.9%
PUBLIC SERVICE ENTERPRISE GP	3.6%
P G & E CORP	3.4%
VISTRA ENERGY CORP.	3.3%
TOTAL	58.8%

Description

Select Sector SPDR® holding S&P 500 stocks in the Utilities sector. The fund seeks investment results that, before expenses, generally correspond to the price and yield performance of the benchmark index.

Industry Breakdown



Constituent allocation

No. of constituents	31
Weighted avg mkt cap (mns)	\$63,976
Large cap (>\$10bn)	100.0%
Mid cap (\$2-10bn)	0.0%
Small cap (<\$2bn)	0.0%



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Disclosures

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Data Definitions & Reliability

AltaVista believes the information contained in this report to be reasonably accurate at the time of publication, but makes no warranties with respect to its accuracy. Calculations of fundamental data are based on a weighted average of consensus estimates and reported results for current index constituents. As a result, historical figures for fundamental data such as dividends per share may not reflect those actually paid by firms in the index. To the extent that index reconstitution and rebalancing have altered index composition, these differences may be significant. Definitions for some commonly used financial terms are as follows:

Earnings/Net Income: Unless denoted as a GAAP figure, earnings are calculated on a "pro forma" basis using consensus EPS results/estimates for the individual constituents of each index, multiplied by the float-adjusted shares in the index. For Real Estate Investment Trusts (REITs), the consensus per-share figure for funds from operations, or FFO, is used in place of EPS data.

Cash Flow: Adds depreciation and amortization to consensus earnings estimates

Standard deviation: Statistical measure of price volatility using 3 years of monthly return data. Figures are annualized.

Beta: Measures relative volatility of a given sector index versus the S&P500 by comparing 3 years of monthly return data.

Book Value: Common Equity as reported by index constituents according to GAAP. Forecasts reflect pro-forma calculations using most recently reported figures, plus earnings less dividends.

Dividends per share: Dividends paid by companies in the index on a pro forma basis.

Payout ratio: Dividends as a percentage of Earnings/Net Income in a given year.

Return on Equity: Net income divided by average common equity over the period.

Debt-to-equity: Ratio of long- and short-term debt to owners equity.

Long-term growth: Uses consensus estimates of 3-5 year earnings growth for individual constituents of each index to calculate a float-adjusted earnings-weighted growth rate for the index as a whole.

Trend in Current FY Estimates: Illustrates changes in consensus estimates over time by examining the monthly change in current fiscal year EPS estimates for individual constituents of each index. Base period is set equal to 100.

Price-to-Earnings, -Cash Flow, -Sales and -Book Value: Valuation multiples derived by dividing the index price by the per-share figures for earnings, cash flow, sales and book value, respectively, as per the 'per share results & estimates' for each index.

Additional information is available upon request.



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