

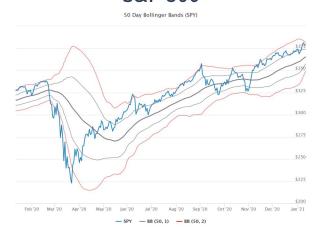








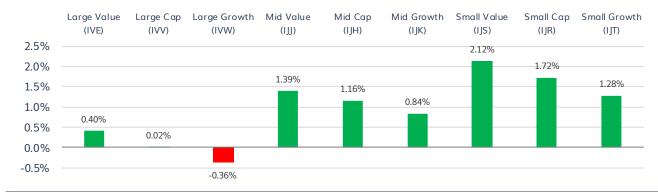
S&P 500







U.S. Size & Style 1-Day Performance



1-Day Leaders

Ticker	. Name	Return
RZV	Invesco S&P Smallcap 600 Pure Value ETF	3.16%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	2.81%
AVUV	Avantis U.S. Small Cap Value ETF	2.67%
FDM	First Trust Dow Jones Select MicroCap Index Fund	2.64%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	2.61%
IWC	iShares Micro-Cap ETF	2.55%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	2.52%
DEEP	Roundhill Acquirers Deep Value ETF	2.43%
DWAS	Invesco DWA SmallCap Momentum ETF	2.39%
SPHB	Invesco S&P 500 High Beta ETF	2.37%
SYLD	Cambria Shareholder Yield ETF	2.24%

1-Day Laggards

Ticker	Name	Return
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	-0.84%
USMV	iShares Edge MSCI Min Vol USA ETF	-0.62%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-0.55%
SPMO	Invesco S&P 500 Momentum ETF	-0.52%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.48%
CAPE	Barclays ETN+ Shiller CAPE ETN	-0.44%
SPHQ	Invesco S&P 500 Quality ETF	-0.44%
CCOR	Core Alternative ETF	-0.41%
VOOG	Vanguard S&P 500 Growth ETF	-0.41%
IWY	iShares Russell Top 200 Growth ETF	-0.41%
XLG	Invesco S&P 500 Top 50 ETF	-0.40%

Most Overbought (14-Day RSI)

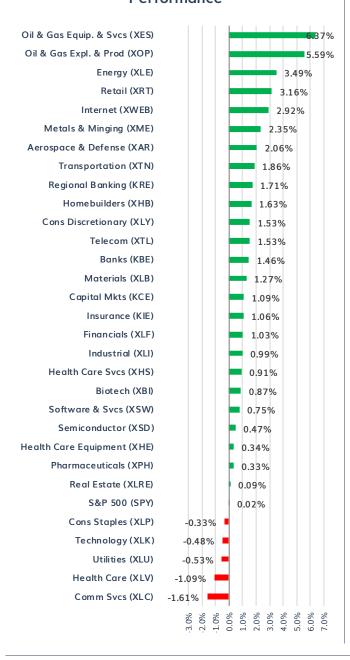
. Name	RSI
SPDR S&P Kensho New Economies Composite ETF	83.62
JPMorgan Diversified Return U.S. Small Cap Equity ETF	78.75
Invesco S&P Midcap 400 Pure Growth ETF	78.71
iShares S&P Small-Cap 600 Growth ETF	78.53
SPDR S&P 600 Small Cap Growth ETF	78.40
Invesco Buyback Achievers ETF	78.29
Vanguard S&P Small-Cap 600 Growth ETF	78.28
Schwab U.S. Small-Cap ETF	78.24
iShares S&P Mid-Cap 400 Growth ETF	78.13
Invesco S&P 500 GARP ETF	77.94
First Trust Small Cap Growth AlphaDEX Fund	77.83
	SPDR S&P Kensho New Economies Composite ETF JPMorgan Diversified Return U.S. Small Cap Equity ETF Invesco S&P Midcap 400 Pure Growth ETF iShares S&P Small-Cap 600 Growth ETF SPDR S&P 600 Small Cap Growth ETF Invesco Buyback Achievers ETF Vanguard S&P Small-Cap 600 Growth ETF Schwab U.S. Small-Cap ETF iShares S&P Mid-Cap 400 Growth ETF Invesco S&P 500 GARP ETF

Ticker	Name	RSI
DIVC	C-Tracks ETN Miller/Howard Strategic Dividend Reinvestor	50.74
HUSV	First Trust Horizon Managed Volatility Domestic ETF	53.05
IWY	iShares Russell Top 200 Growth ETF	53.51
MGK	Vanguard Mega Cap Growth ETF	53.72
SPMO	Invesco S&P 500 Momentum ETF	53.94
USMV	iShares Edge MSCI Min Vol USA ETF	54.10
SPLV	Invesco S&P 500 Low Volatility ETF	54.71
JKE	iShares Morningstar Large-Cap Growth ETF	54.86
XLG	Invesco S&P 500 Top 50 ETF	55.21
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	55.25
CCOR	Core Alternative ETF	55.69



U.S. Sectors & Industries

S&P Sector & Industry 1-Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W % From 52W %	om 52W % From 52W % Abv/Below 50 % Abv/Below	% From 52W $$ $$ % From 52W $$ % Abv/Below 50 $$ % Abv/Below	% Abv/Below	RSI (14D)
TICKCI	r und realite	High	Low	SMA	200 SMA	RSI (I+D)
XLF	Financial Select Sector SPDR Fund	0.00%	77.46%	10.33%	25.58%	77.89
XLB	Materials Select Sector SPDR Fund	0.00%	102.03%	8.59%	24.75%	75.05
XLI	Industrial Select Sector SPDR Fund	0.00%	85.50%	3.31%	19.53%	62.98
XLY	Consumer Discretionary Select Sector SPDR Fund	-0.37%	92.30%	6.61%	20.10%	69.98
XLV	Health Care Select Sector SPDR Fund	-1.09%	56.34%	4.40%	10.87%	67.82
XLK	Technology Select Sector SPDR Fund	-1.30%	83.32%	3.09%	16.04%	54.72
XLP	Consumer Staples Select Sector SPDR Fund	-2.99%	35.94%	-1.09%	5.13%	41.36
XLC	Communication Services Select Sector SPDR Fund	-3.36%	62.16%	-0.86%	10.91%	41.32
XLU	Utilities Select Sector SPDR Fund	-13.47%	36.70%	-2.60%	1.79%	45.16
XLRE	Real Estate Select Sector SPDR Fund	-16.31%	37.82%	-3.58%	-0.84%	39.97
XLE	Energy Select Sector SPDR Fund	-21.27%	84.73%	15.04%	20.67%	73.58

1-Day Leaders

Ticker	Name	Return
FCG	First Trust Natural Gas ETF	6.84%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	6.37%
AMZA	InfraCap MLP ETF	6.29%
IEZ	iShares U.S. Oil Equipment & Services ETF	5.94%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	5.59%
RYE	Invesco S&P 500 Equal Weight Energy ETF	5.31%
AMUB	ETRACS Alerian MLP Index ETN Class B	4.98%
AMLP	Alerian MLP ETF	4.78%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	4.68%
MLPB	ETRACS Alerian MLP Infrastructure Index ETN Series B	4.29%
FXN	First Trust Energy AlphaDEX Fund	4.28%

1-Day Laggards

Ticker	Name	Return
XLC	Communication Services Select Sector SPDR Fund	-1.61%
IHI	iShares U.S. Medical Devices ETF	-1.22%
XLV	Health Care Select Sector SPDR Fund	-1.09%
FCOM	Fidelity MSCI Communication Services Index ETF	-1.02%
VOX	Vanguard Communication Services ETF	-0.98%
IYH	iShares U.S. Healthcare ETF	-0.98%
FHLC	Fidelity MSCI Health Care Index ETF	-0.81%
VHT	Vanguard Health Care ETF	-0.74%
RYH	Invesco S&P 500 Equal Weight Health Care ETF	-0.62%
IHE	iShares U.S. Pharmaceuticals ETF	-0.54%
XLU	Utilities Select Sector SPDR Fund	-0.53%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	86.16
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	84.02
PSI	Invesco Dynamic Semiconductors ETF	82.73
XRT	SPDR S&P Retail ETF	82.26
PSCT	Invesco S&P SmallCap Information Technology ETF	82.09
PSCH	Invesco S&P SmallCap Health Care ETF	80.50
SOXX	iShares PHLX Semiconductor ETF	78.88
FTXO	First Trust Nasdaq Bank ETF	78.86
XSD	SPDR S&P Semiconductor ETF	78.75
PRN	Invesco DWA Industrials Momentum ETF	78.74
XHS	SPDR S&P Health Care Services ETF	78.65

Ticker	Name	RSI
MLPC	C-Tracks Miller/Howard MLP Fundamental Index ETN	40.61
XLRE	Real Estate Select Sector SPDR Fund	40.75
ICF	iShares Cohen & Steers REIT ETF	41.86
IYR	iShares U.S. Real Estate ETF	42.10
VNQ	Vanguard Real Estate ETF	42.17
SCHH	Schwab U.S. REIT ETF	42.20
NETL	NETLease Corporate Real Estate ETF	42.22
XLP	Consumer Staples Select Sector SPDR Fund	42.41
XLC	Communication Services Select Sector SPDR Fund	42.43
PSR	Invesco Active U.S. Real Estate Fund	42.44
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR E	43.25

Developed ex-U.S. Equity Markets

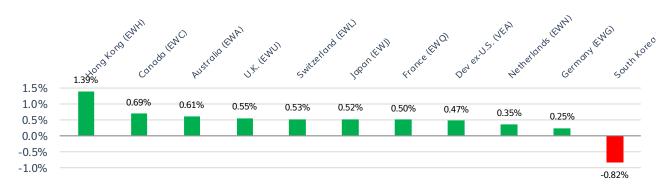
Dev ex-U.S. (VEA)







Top 10 Dev ex-U.S. Countries' 1-Day Performance



1-Day Leaders

Ticker	. Name	Return
DFE	WisdomTree Europe SmallCap Dividend Fund	1.50%
EWH	iShares MSCI Hong Kong ETF	1.39%
EWD	iShares MSCI Sweden ETF	1.31%
FSZ	First Trust Switzerland AlphaDEX Fund	1.31%
EIS	iShares MSCI Israel ETF	1.25%
IDOG	ALPS International Sector Dividend Dogs ETF	1.16%
DLS	WisdomTree International SmallCap Dividend Fund	1.14%
FGM	First Trust Germany AlphaDEX Fund	1.08%
ISRA	VanEck Vectors Israel ETF	0.94%
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	0.94%
PXF	Invesco FTSE RAFI Developed Markets ex-U.S. ETF	0.93%

1-Day Laggards

Ticker	Name	Return
EDEN	iShares MSCI Denmark ETF	-1.46%
EWY	iShares MSCI South Korea ETF	-0.82%
IHDG	WisdomTree International Hedged Quality Dividend Growth F	-0.44%
HEWU	iShares Currency Hedged MSCI United Kingdom ETF	-0.39%
EWI	iShares MSCI Italy ETF	-0.33%
LVHI	Legg Mason International Low Volatility High Dividend ETF	-0.32%
IJUL	Innovator MSCI EAFE Power Buffer ETF - July of Benef Int	-0.31%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-0.30%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.27%
EWP	iShares MSCI Spain ETF	-0.21%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.16%

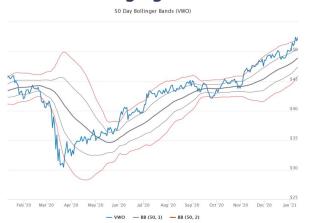
Most Overbought (14-Day RSI)

Ticker	Name	RSI
ISRA	VanEck Vectors Israel ETF	81.14
EWO	iShares MSCI Austria ETF	79.55
EIS	iShares MSCI Israel ETF	78.61
EWY	iShares MSCI South Korea ETF	77.43
DFE	WisdomTree Europe SmallCap Dividend Fund	72.93
ISDX	Invesco RAFI Strategic Developed ex-US ETF	71.40
FSZ	First Trust Switzerland AlphaDEX Fund	71.11
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	70.84
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	70.67
VPL	Vanguard FTSE Pacific ETF	70.31
IDV	iShares International Select Dividend ETF	69.98

Ticker	Name	RSI
GREK	Global X MSCI Greece ETF	52.15
ENZL	iShares MSCI New Zealand ETF	52.95
EFAD	ProShares MSCI EAFE Dividend Growers ETF	54.76
EDEN	iShares MSCI Denmark ETF	55.50
DFJ	WisdomTree Japan SmallCap Dividend Fund	58.34
HEWU	iShares Currency Hedged MSCI United Kingdom ETF	59.25
EWI	iShares MSCI Italy ETF	59.33
HEWG	iShares Currency Hedged MSCI Germany ETF	59.58
RBIN	Nationwide Risk-Based International Equity ETF	59.64
SCJ	iShares MSCI Japan Small-Cap ETF	59.81
PIZ	Invesco DWA Developed Markets Momentum ETF	59.89

EM & Frontier Equity Markets

Emerging (VWO)







Top 10 EM Countries' 1-Day Performance



1-Day Leaders

Reti	urn
5.54	4%
4.96	6%
4.63	3%
4.56	6%
4.30	0%
3.83	3%
3.42	2%
3.41	1%
2.67	7%
2.45	5%
2.39	9%
3.41 2.67 2.45	1

1-Day Laggards

	2 2	
Ticker	Name	Return
EPOL	iShares MSCI Poland ETF	-0.87%
CEZ	VictoryShares Emerging Market Volatility Wtd ETF	-0.77%
EPHE	iShares MSCI Philippines ETF	-0.69%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	-0.26%
EPU	iShares MSCI Peru ETF	0.00%
EWM	iShares MSCI Malaysia ETF	0.11%
QAT	iShares MSCI Qatar ETF	0.15%
EWW	iShares MSCI Mexico ETF	0.16%
PAK	Global X MSCI Pakistan ETF	0.20%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.22%
EWT	iShares MSCI Taiwan ETF	0.28%

Most Overbought (14-Day RSI)

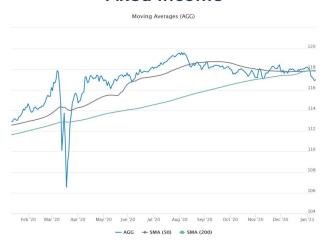
Ticker	Name	RSI
VNM	VanEck Vectors Vietnam ETF	85.44
EWT	iShares MSCI Taiwan ETF	82.55
GLIN	VanEck Vectors India Growth Le	80.72
UAE	iShares MSCI UAE ETF	79.12
PIN	Invesco India ETF	78.84
BICK	First Trust BICK Index Fund	78.00
EPI	WisdomTree India Earnings Fund	77.51
TUR	iShares MSCI Turkey ETF	76.31
DGRE	WisdomTree Emerging Markets Quality Dividend Growth Fur	76.16
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets Equ	76.10
INDY	iShares India 50 ETF	75.59

Ticker	Name	RSI
EWM	iShares MSCI Malaysia ETF	46.52
EZA	iShares MSCI South Africa ETF	53.01
BRF	VanEck Vectors Brazil Small-Cap ETF	54.73
EWZS	iShares MSCI Brazil Small-Cap ETF	55.43
FBZ	First Trust Brazil AlphaDEX Fund	56.57
EPHE	iShares MSCI Philippines ETF	58.57
EPOL	iShares MSCI Poland ETF	60.06
ARGT	Global X MSCI Argentina ETF	60.13
FLN	First Trust Latin America AlphaDEX Fund	61.37
MCHI	iShares MSCI China ETF	61.47
THD	iShares MSCI Thailand ETF	61.80



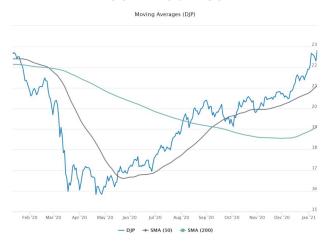
Fixed Income, Commodities & Currencies

Fixed Income



Ticker	Name	1-Day	1-M	YTD
AGG	U.S. Aggregate	0.09%	-0.78%	-1.02%
SHY	1-3 Year Treasury Bonds	0.00%	-0.06%	-0.05%
IEF	7-10 Year Treasury Bonds	-0.02%	-1.74%	-1.63%
TLT	20+ Year Treasury Bonds	-0.08%	-4.83%	-4.30%
TIP	TIPS Bonds	0.13%	-0.09%	-0.75%
FLOT	Floating Rate Bonds	0.00%	0.16%	0.12%
LQD	Investment Grade Corporate	0.21%	-1.12%	-1.93%
HYG	High Yield Corporate	0.13%	0.80%	-0.33%
BKLN	Senior Loan	0.36%	1.24%	0.72%
PFF	Preferred & Income Securities	-0.24%	-0.58%	-2.34%
MUB	Municipal Bonds	0.21%	0.08%	-0.14%
MBB	MBS	0.06%	0.11%	-0.06%
EMB	Dollar Denominated EM Bonds	-0.48%	-1.25%	-2.42%
LEMB	Local Currency EM Bonds	0.83%	0.90%	-0.53%

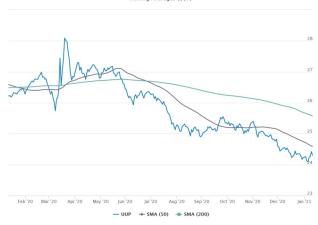
Commodities



Ticker	Name	1-Day	1-M	YTD
DJP	Broad Commodities	2.29%	9.45%	4.16%
DBE	Energy	1.75%	10.43%	7.47%
USO	WTI Crude Oil	1.82%	12.40%	8.75%
BNO	Brent Crude Oil	1.88%	12.82%	9.32%
UNG	Natural Gas	-1.78%	5.76%	7.83%
UGA	Gasoline	2.27%	19.27%	10.00%
DBP	Precious Metals	0.99%	1.96%	-2.64%
GLD	Gold	0.65%	0.94%	-2.38%
SLV	Silver	2.20%	6.56%	-3.46%
PPLT	Platinum	4.09%	6.21%	0.17%
PALL	Palladium	1.78%	3.92%	-1.90%
DBB	Base Metals	1.49%	1.14%	2.38%
CPER	Copper	2.37%	2.74%	3.53%
LD	Lead	2.83%	-1.44%	2.33%
JJN	Nickel	2.25%	1.98%	6.40%
JJU	Aluminum	1.11%	-0.50%	2.68%
JJT	Tin	1.33%	7.83%	3.33%
DBA	Agriculture	1.56%	5.10%	0.81%
CORN	Corn	6.30%	18.91%	7.77%
SOYB	Soybeans	3.30%	18.31%	7.86%
WEAT	Wheat	4.15%	7.38%	3.39%
CANE	Sugar	0.15%	5.95%	0.30%
BAL	Cotton	1.43%	9.96%	4.39%
NIB	Cocoa	0.36%	-5.81%	-4.42%
JO	Coffee	-0.20%	-0.11%	-4.95%

Currencies

Moving Averages (UUP)



Name	1-Day	1-M	YTD
Long Dollar	-0.53%	-1.02%	0.21%
Short Dollar	0.44%	0.88%	-0.18%
Euro	0.44%	0.65%	-0.13%
British Pound Sterling	1.08%	3.29%	-0.08%
Swiss Franc	0.43%	0.24%	-0.17%
Japanese Yen	0.43%	0.26%	-0.49%
Canadian Dollar	0.52%	0.43%	0.08%
Australian Dollar	1.00%	3.14%	0.83%
	Long Dollar Short Dollar Euro British Pound Sterling Swiss Franc Japanese Yen Canadian Dollar	Long Dollar -0.53% Short Dollar 0.44% Euro 0.44% British Pound Sterling 1.08% Swiss Franc 0.43% Japanese Yen 0.43% Canadian Dollar 0.52%	Long Dollar -0.53% -1.02% Short Dollar 0.44% 0.88% Euro 0.44% 0.65% British Pound Sterling 1.08% 3.29% Swiss Franc 0.43% 0.24% Japanese Yen 0.43% 0.26% Canadian Dollar 0.52% 0.43%



Definitions & Disclosures

Disclaimer of Warranties

Except for the express warranties set forth in the terms of service, all services, including all ETF Action materials, are provided on an "as is," "where is" basis, and ETF Action and its licensors disclaim all representations or warranties, express or implied as to the services. ETF Action and its licensors specifically disclaim all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and all warranties arising from course of dealing, usage or trade practice. Without limiting the foregoing, ETF Action and its licensors make no warranty of any kind that the services or ETF Action materials, or any products or results of the use thereof, will meet customer's or any other person's requirements, operate without interruption, achieve any intended result, be compatible or work with any software, system or other services, or be secure, accurate, complete, timely, free of harmful code or error free. All third-party materials are provided "as is" and any representation or warranty of or concerning any third-party materials is strictly between customer and the third-party owner or distributor of the third-party materials.

Additional Disclaimers

The services are not intended and should not be construed as financial or investment advice, a recommendation or promotion. Neither ETF Action nor its licensors shall be responsible for investment decisions, damages, or other losses resulting from use of the services. Past performance does not guarantee future performance. Neither ETF Action nor its licensors shall be considered an "expert" under the securities act of 1933. Neither ETF Action nor its licensors warrant that the services comply with the requirements of the NASD or any similar organization or with the securities laws of any jurisdiction. Any information contained in in the services should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Distribution prohibited without prior permission. Full terms of service, including terms of use, copyrights, and disclaimers are available at https://www.etfaction.com/terms.

© Copyright ETF Action, LLC. All Rights Reserved.

Data Reliability and Definitions

ETF Action, LLC believes the information herein to be accurate (at time of publication) and was obtained from reliable sources, but makes no guarantees with respect to its accuracy. Calculations of fundamental data are based on weighted averages of reported results and consensus estimates of current ETF constituents. Valuation data (price/earnings, price/sales, price/sales, price/book value) are calculated using per share data divided by current NAV of corresponding ETF. Performance, risk and technical data (moving averages, relative performance, RSI) calculated for specified periods using ETF market price which may differ from net asset value (NAV).

Size & Style, Top 10 dev ex-U.S. countries, and Top 10 EM countries are represented by (VEA,EWJ,EWC,EWU,EWG,EWA,EWH,EWL,EWQ,EWN) and (VWO,EWZ,INDA,MCHI,EWT,EWW,ERUS,THD,EWM,EIDO,EZA). Top countries based on largest exposures in VEA and VWO, respectively. Size & Style 1-day performance ETFs represented by (IVE,IVV,IVW,IJK,IJH,IJJ,IJR,IJS,IJT).

Source Data

FactSet Research Systems



ETF Action is an independent technology and research firm focused on helping advisors build better portfolios, create engaging experiences with their clients, and navigate the vast ETF landscape.

Contact or Follow Us:

- team@etfaction.com
- www.etfaction.com



