

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

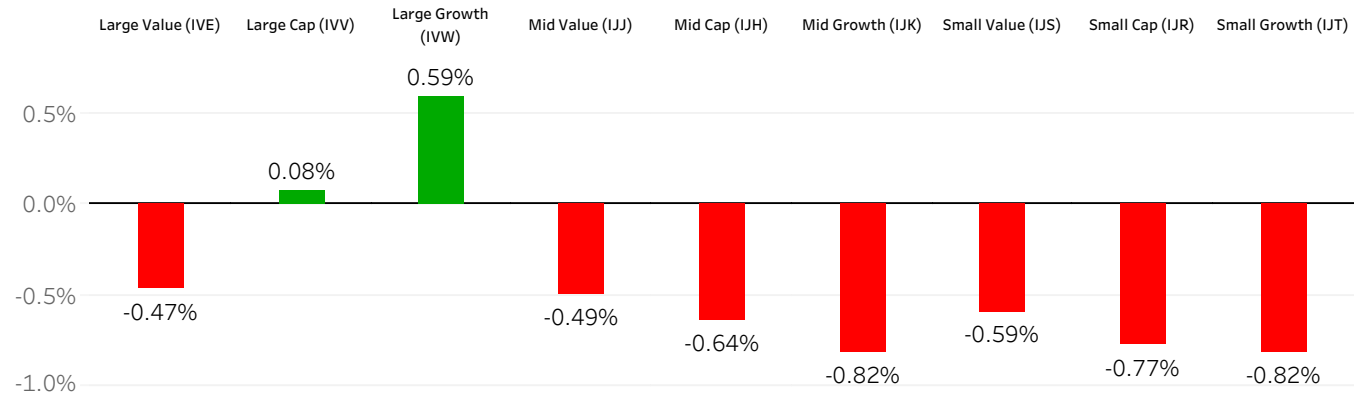


Small Cap Blend (S&P 600) IJR



■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
MTUM	iShares MSCI USA Momentum Factor ETF	0.99%
SPMO	Invesco S&P 500 Momentum ETF	0.96%
WINN	Harbor Long-Term Growers ETF	0.88%
QQH	HCM Defender 100 Index ETF	0.75%
DUSA	Davis Select U.S. Equity ETF	0.70%
CGGR	Capital Group Growth ETF	0.66%
IVW	iShares S&P 500 Growth ETF	0.59%
VOOG	Vanguard S&P 500 Growth ETF	0.58%
SPYG	SPDR Portfolio S&P 500 Growth ETF	0.58%
QQQ	Invesco QQQ Trust Series I	0.55%

Size & Style Most Overbought

Ticker	Fund	Price
SPMO	Invesco S&P 500 Momentum ETF	78.90
PWB	Invesco Large Cap Growth ETF	78.86
WINN	Harbor Long-Term Growers ETF	78.82
MTUM	iShares MSCI USA Momentum Factor ETF	78.78
XLG	Invesco S&P 500 Top 50 ETF	77.19
SPYG	SPDR Portfolio S&P 500 Growth ETF	76.83
IWY	iShares Russell Top 200 Growth ETF	76.72
VOOG	Vanguard S&P 500 Growth ETF	76.61
IVW	iShares S&P 500 Growth ETF	76.33
IUSG	iShares Core S&P U.S. Growth ETF	76.04

Size & Style 1-Day Performance Laggards

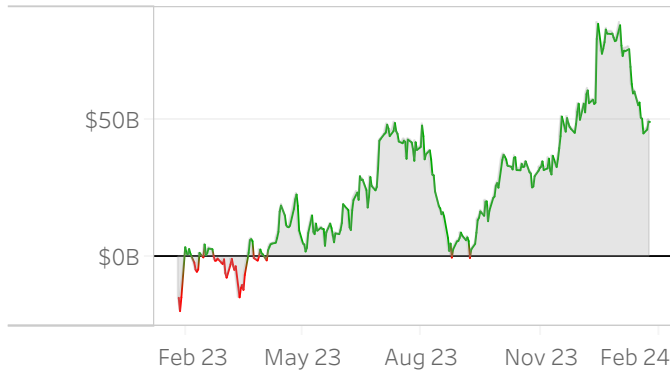
Ticker	Fund	Performance
IPO	Renaissance IPO ETF	-1.57%
FPX	First Trust US Equity Opportunities ETF	-1.54%
CSD	Invesco S&P Spin-Off ETF	-1.49%
ISCG	iShares Morningstar Small-Cap Growth ETF	-1.45%
ISMD	Inspire Small/Mid Cap ETF	-1.41%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	-1.34%
ABEQ	Absolute Select Value ETF	-1.31%
TMFM	Motley Fool Mid-Cap Growth ETF	-1.23%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-1.20%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-1.17%

Size & Style Most Oversold

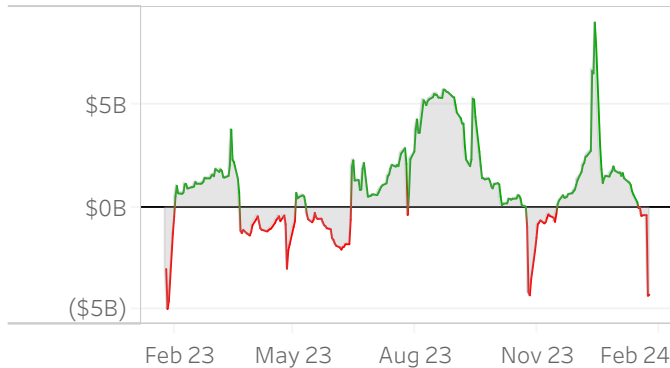
Ticker	Fund	Price
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	35.02
SPC	CrossingBridge Pre-Merger SPAC ETF	36.08
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	39.32
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	39.58
IPO	Renaissance IPO ETF	40.70
DURA	VanEck Durable High Dividend ETF	41.28
PEY	Invesco High Yield Equity Dividend Achievers ETF	41.30
SDY	SPDR S&P Dividend ETF	42.73
CDL	VictoryShares US Large Cap High Dividend Volatility ..	44.05
DVY	iShares Select Dividend ETF	44.92

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta, Beta	26	\$1,721B	\$2.84B	\$89.57B	\$117.01B	\$165.52B
Large Cap, Beta, Beta: Growth	10	\$331B	\$0.78B	\$7.94B	\$14.49B	\$18.61B
Large Cap, Beta, Beta: Value	11	\$239B	(\$0.62B)	\$2.23B	\$3.35B	(\$3.14B)
Mid Cap, Beta, Beta	10	\$209B	\$0.30B	\$0.63B	\$4.89B	\$7.13B
Mid Cap, Beta, Beta: Growth	6	\$39B	(\$0.06B)	\$0.74B	\$0.48B	\$1.39B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.15B)	(\$0.12B)	(\$0.80B)	(\$2.19B)
Small Cap, Beta, Beta	11	\$226B	\$0.00B	\$11.73B	\$13.13B	\$18.54B
Small Cap, Beta, Beta: Growth	7	\$37B	(\$0.05B)	\$1.20B	\$1.25B	\$1.29B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.38B)	\$0.33B	(\$0.49B)	(\$1.48B)

U.S. Size & Style Flow Leaders

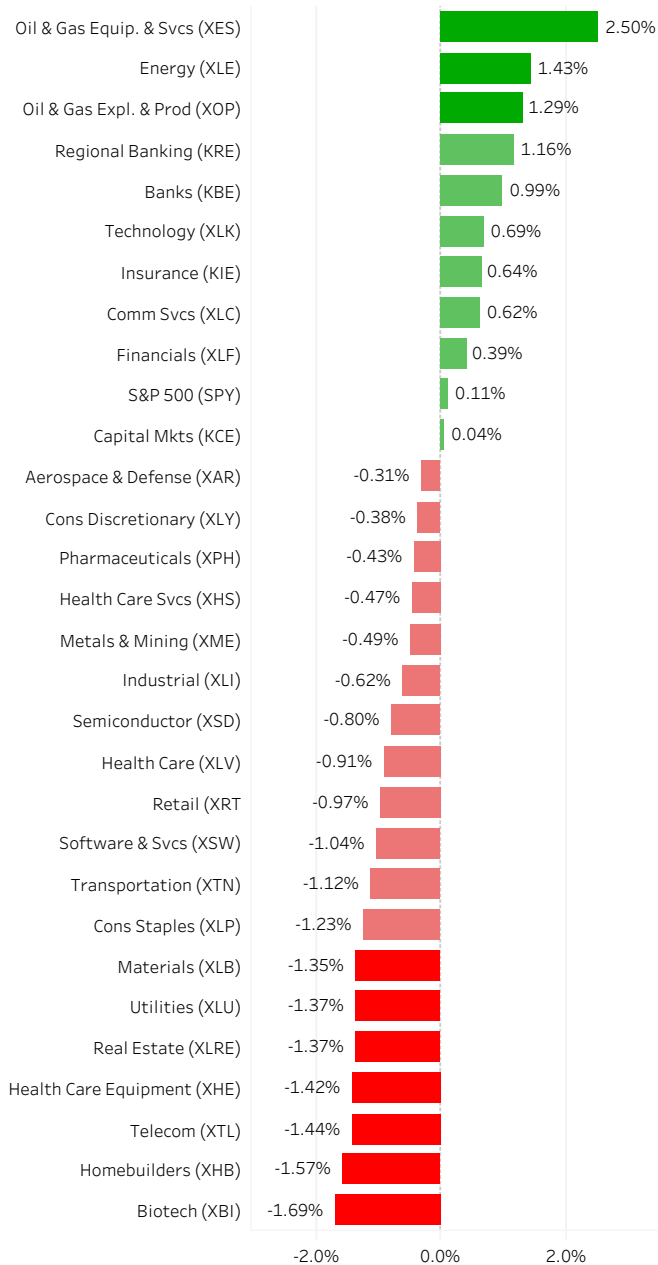
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	\$2.38B	\$6.62B	\$7.76B	\$17.54B	\$243.47B
VOO	Vanguard S&P 500 ETF	\$1.40B	\$18.12B	\$26.91B	\$49.49B	\$387.97B
VTI	Vanguard Total Stock Market ETF	\$0.57B	\$8.20B	\$13.89B	\$22.18B	\$355.43B
QQQM	Invesco NASDAQ 100 ETF	\$0.39B	\$3.13B	\$4.61B	\$9.84B	\$20.81B
IJR	iShares Core S&P Small Cap ETF	\$0.38B	\$2.08B	\$2.54B	\$3.67B	\$76.39B
IVV	iShares Core S&P 500 ETF	\$0.29B	\$20.06B	\$37.77B	\$46.60B	\$416.11B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.26B	\$4.52B	\$5.83B	\$7.84B	\$27.29B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.25B	\$1.07B	\$1.81B	\$4.39B	\$24.84B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ..	\$0.25B	\$2.43B	\$4.22B	\$7.11B	\$9.29B
VUG	Vanguard Growth ETF	\$0.24B	\$2.05B	\$3.79B	\$3.89B	\$108.44B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
RSP	Invesco S&P 500 Equal Weight ETF	(\$1.21B)	\$4.84B	\$4.76B	\$11.08B	\$48.67B
FTCS	First Trust Capital Strength ETF	(\$1.20B)	(\$0.40B)	(\$0.61B)	(\$0.65B)	\$8.73B
IWD	iShares Russell 1000 Value ETF	(\$0.43B)	(\$0.45B)	(\$0.86B)	(\$4.10B)	\$52.00B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.41B)	\$0.00B	(\$0.08B)	(\$0.33B)	\$7.02B
SUSA	iShares MSCI USA ESG Select ETF	(\$0.32B)	(\$1.75B)	(\$0.76B)	(\$0.45B)	\$3.55B
IWM	iShares Russell 2000 ETF	(\$0.32B)	\$6.60B	\$5.90B	\$6.04B	\$62.75B
IWV	iShares Russell 3000 ETF	(\$0.21B)	\$0.32B	\$0.26B	(\$0.22B)	\$12.80B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.20B)	\$1.08B	\$1.65B	\$0.91B	\$19.35B
LCTU	BlackRock U.S. Carbon Transition Readiness E..	(\$0.18B)	(\$0.32B)	(\$0.39B)	(\$0.34B)	\$1.36B
VIG	Vanguard Dividend Appreciation ETF	(\$0.15B)	\$0.10B	\$0.74B	\$0.72B	\$74.21B

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
SPY	SPDR S&P 500 ETF Trust	0.00%	25.96%	3.79%	9.79%	70.66
XLC	Communication Services Select Sector SPDR Fund	0.00%	45.79%	5.95%	14.26%	75.02
XLF	Financial Select Sector SPDR Fund	0.00%	23.69%	4.00%	11.54%	68.70
XLK	Technology Select Sector SPDR Fund	0.00%	49.98%	7.27%	17.70%	77.77
XLI	Industrial Select Sector SPDR Fund	-1.40%	16.68%	1.83%	6.87%	55.00
XLV	Health Care Select Sector SPDR Fund	-1.62%	12.63%	2.67%	4.93%	55.03
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.61%	25.21%	-0.55%	4.97%	44.93
XLB	Materials Select Sector SPDR Fund	-5.32%	9.62%	-1.86%	0.97%	36.22
XLRE	Real Estate Select Sector SPDR Fund	-5.92%	18.48%	-1.15%	3.57%	40.23
XLP	Consumer Staples Select Sector SPDR Fund	-7.63%	8.11%	0.38%	-0.99%	46.36
XLE	Energy Select Sector SPDR Fund	-12.39%	6.79%	-1.98%	-3.20%	46.03
XLU	Utilities Select Sector SPDR Fund	-14.32%	6.69%	-4.90%	-6.15%	28.71

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.50%
PXJ	Invesco Oil & Gas Services ETF	2.45%
PSCE	Invesco S&P SmallCap Energy ETF	2.15%
FENY	Fidelity MSCI Energy Index ETF	1.53%
SOXQ	Invesco PHLX Semiconductor ETF	1.49%
KBWP	Invesco KBW Property & Casualty Insurance ETF	1.46%
SOXX	iShares Semiconductor ETF	1.46%
VDE	Vanguard Energy ETF	1.44%
XLE	Energy Select Sector SPDR Fund	1.43%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	1.41%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IAK	iShares U.S. Insurance ETF	80.37
IGM	iShares Expanded Tech Sector ETF	79.24
IETC	iShares U.S. Tech Independence Focused ETF	78.76
KBWP	Invesco KBW Property & Casualty Insurance ETF	78.64
XNTK	SPDR NYSE Technology ETF	78.13
IYW	iShares U.S. Technology ETF	77.83
XLK	Technology Select Sector SPDR Fund	77.77
IGPT	Invesco AI and Next Gen Software ETF	77.68
FTEC	Fidelity MSCI Information Technology Index ETF	76.20
SOXQ	Invesco PHLX Semiconductor ETF	76.17

Sector & Industry 1 Day Performance Laggards

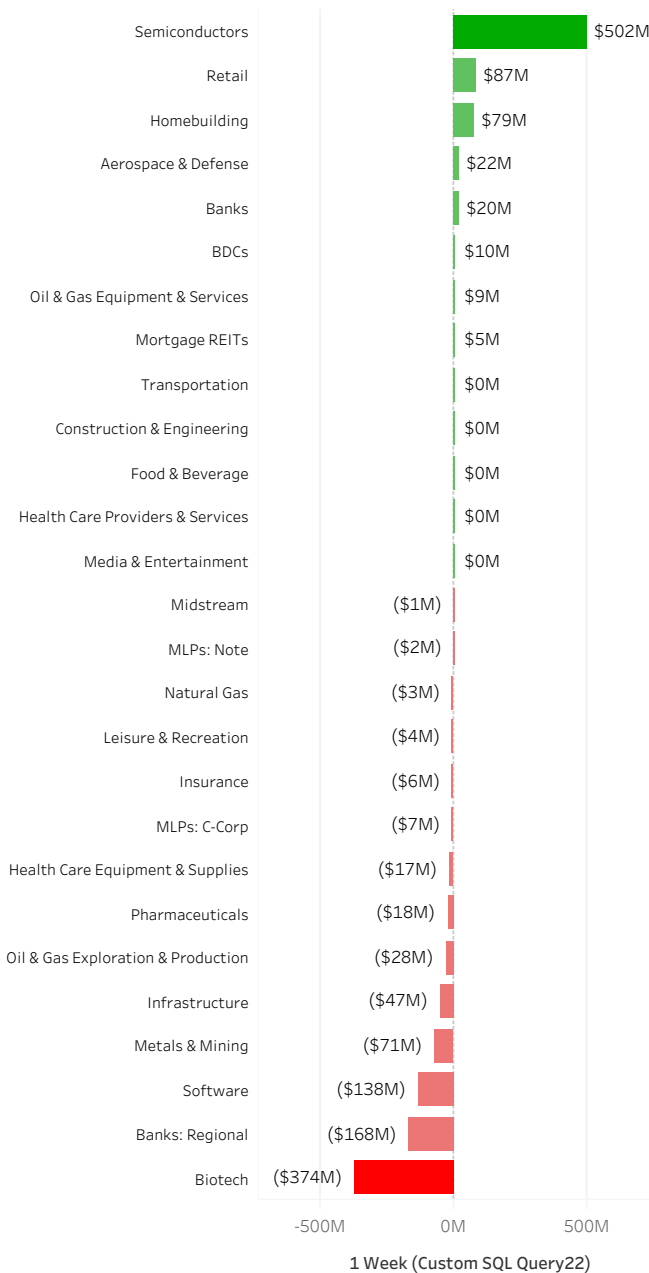
Ticker	Fund	1 Day Performance
NETL	NETLease Corporate Real Estate ETF	-1.99%
ITB	iShares U.S. Home Construction ETF	-1.77%
XBI	SPDR S&P BIOTECH ETF	-1.69%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-1.65%
IHI	iShares U.S. Medical Devices ETF	-1.63%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	-1.59%
DFAR	Dimensional US Real Estate ETF	-1.59%
XHB	SPDR S&P Homebuilders ETF	-1.57%
FXU	First Trust Utilities AlphaDEX Fund	-1.56%
JPRE	JPMorgan Realty Income ETF	-1.55%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	27.17
FXU	First Trust Utilities AlphaDEX Fund	28.25
VPU	Vanguard Utilities ETF	28.36
XLU	Utilities Select Sector SPDR Fund	28.71
FUTY	Fidelity MSCI Utilities Index ETF	28.77
IDU	iShares U.S. Utilities ETF	29.70
EMLP	First Trust North American Energy Infrastructure Fund	32.17
FTXG	First Trust Nasdaq Food & Beverage ETF	34.72
PBJ	Invesco Food & Beverage ETF	35.37
KBWY	Invesco KBW Premium Yield Equity REIT ETF	35.39

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$22B	\$133M	\$637M	\$774M	\$3,587M
Consumer Discretionary	12	\$28B	\$383M	\$771M	\$917M	\$2,916M
Consumer Staples	10	\$25B	(\$362M)	(\$2,573M)	(\$4,559M)	(\$3,971M)
Energy	30	\$68B	\$35M	(\$2,771M)	\$1,393M	(\$8,103M)
Financials	26	\$63B	\$257M	\$2,764M	(\$3,200M)	\$1,645M
Health Care	23	\$89B	(\$648M)	(\$2,132M)	(\$5,283M)	(\$8,765M)
Industrial	13	\$36B	(\$223M)	(\$157M)	(\$743M)	\$1,338M
Materials	9	\$12B	(\$173M)	(\$832M)	(\$2,101M)	(\$2,967M)
Multi-Sector	16	\$20B	\$56M	(\$24M)	(\$542M)	\$2,482M
Real Estate	25	\$60B	\$78M	\$2,091M	\$1,735M	(\$790M)
Technology	23	\$186B	\$1,263M	\$5,986M	\$8,460M	\$8,317M
Utilities	9	\$21B	(\$202M)	(\$510M)	(\$1,699M)	(\$1,635M)

U.S. Sector & Industry Flow Leaders

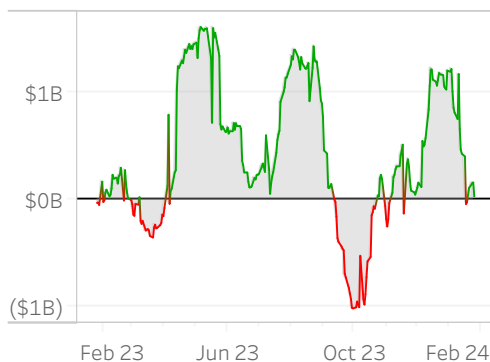
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$527M	\$1,461M	(\$2,489M)	\$1,204M	\$35,640M
XLK	Technology Select Sector SPDR Fund	\$480M	\$2,878M	\$3,109M	\$1,705M	\$61,763M
SOXX	iShares Semiconductor ETF	\$463M	\$212M	\$815M	\$746M	\$11,297M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$262M	\$814M	\$1,102M	\$1,599M	\$18,574M
VGT	Vanguard Information Technology ETF	\$251M	\$1,343M	\$1,830M	\$774M	\$62,228M
XHB	SPDR S&P Homebuilders ETF	\$154M	\$152M	(\$27M)	\$274M	\$1,670M
XLE	Energy Select Sector SPDR Fund	\$119M	(\$2,045M)	\$1,295M	(\$3,181M)	\$34,410M
XLC	Communication Services Select Sector SPDR Fu..	\$119M	\$845M	\$815M	\$3,316M	\$16,739M
IYF	iShares U.S. Financials ETF	\$118M	\$143M	\$168M	\$27M	\$2,257M
XRT	SPDR S&P Retail ETF	\$87M	\$145M	\$33M	\$107M	\$465M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	(\$336M)	(\$122M)	(\$363M)	(\$1,114M)	\$6,662M
XLP	Consumer Staples Select Sector SPDR Fund	(\$321M)	(\$1,626M)	(\$1,932M)	(\$1,456M)	\$15,244M
VFH	Vanguard Financials ETF	(\$240M)	(\$61M)	(\$716M)	(\$652M)	\$8,899M
XLI	Industrial Select Sector SPDR Fund	(\$230M)	(\$535M)	(\$824M)	(\$147M)	\$15,475M
XLV	Health Care Select Sector SPDR Fund	(\$210M)	(\$1,175M)	(\$2,532M)	(\$3,263M)	\$39,406M
KRE	SPDR S&P Regional Banking ETF	(\$162M)	\$333M	(\$413M)	\$1,264M	\$3,469M
XLU	Utilities Select Sector SPDR Fund	(\$161M)	(\$59M)	(\$711M)	(\$249M)	\$13,614M
IGV	iShares Expanded Tech-Software Sector ETF	(\$147M)	\$365M	(\$382M)	\$203M	\$7,549M
ITB	iShares U.S. Home Construction ETF	(\$76M)	(\$75M)	(\$519M)	(\$41M)	\$2,195M
XME	SPDR S&P Metals & Mining ETF	(\$71M)	(\$58M)	(\$299M)	(\$721M)	\$1,766M

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

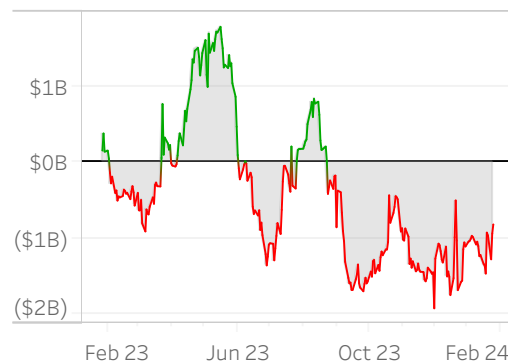
Communication Services



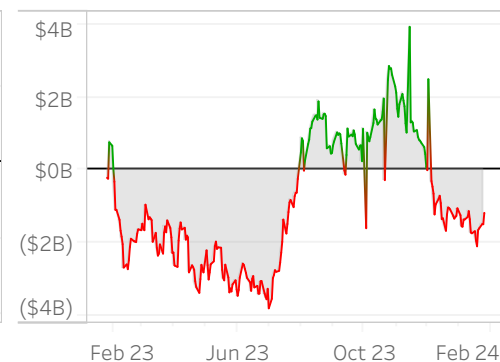
Consumer Discretionary



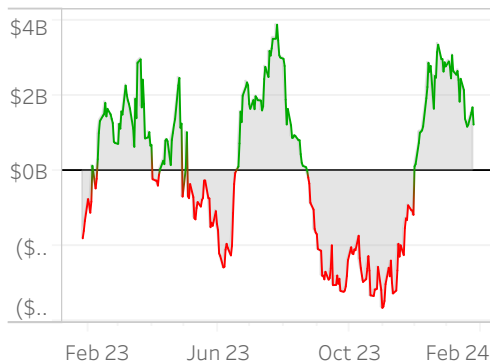
Consumer Staples



Energy



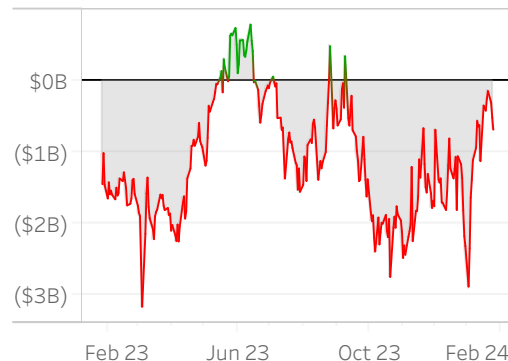
Financials



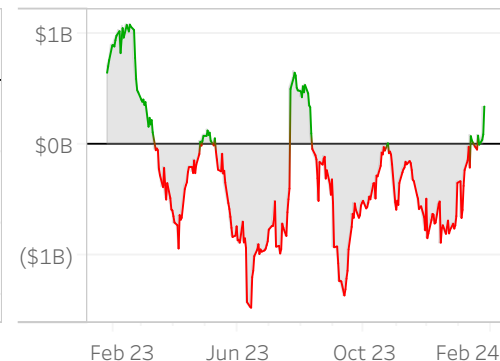
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

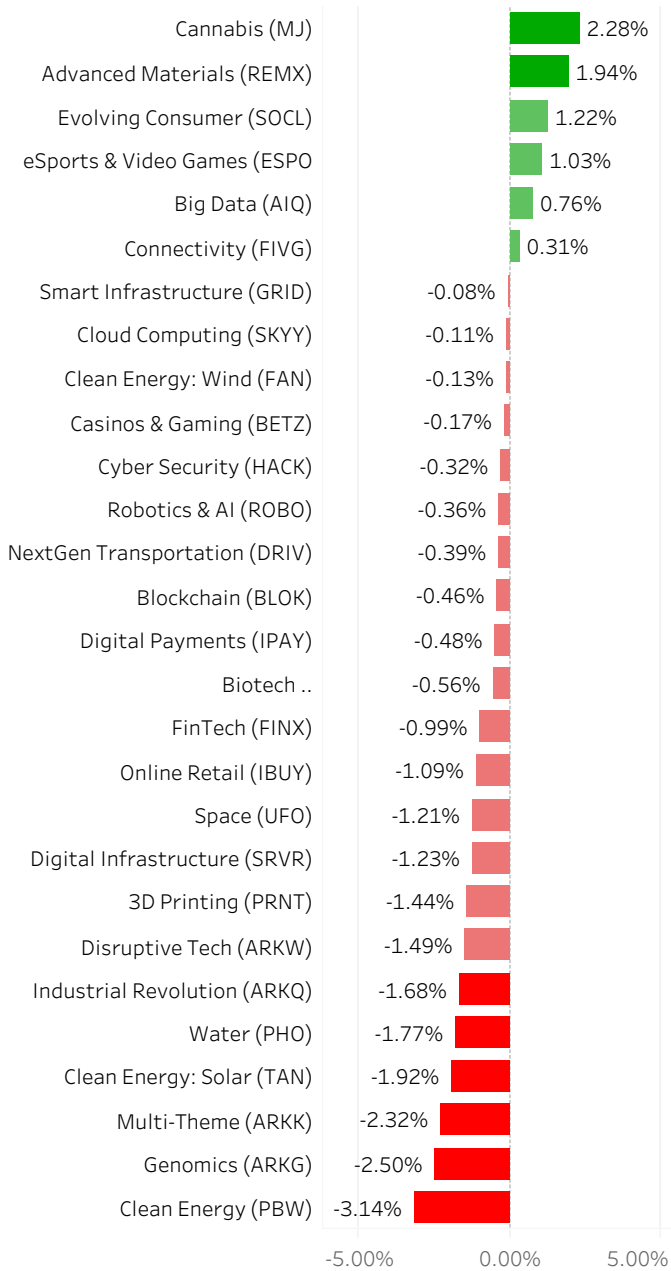


Multi-Sector

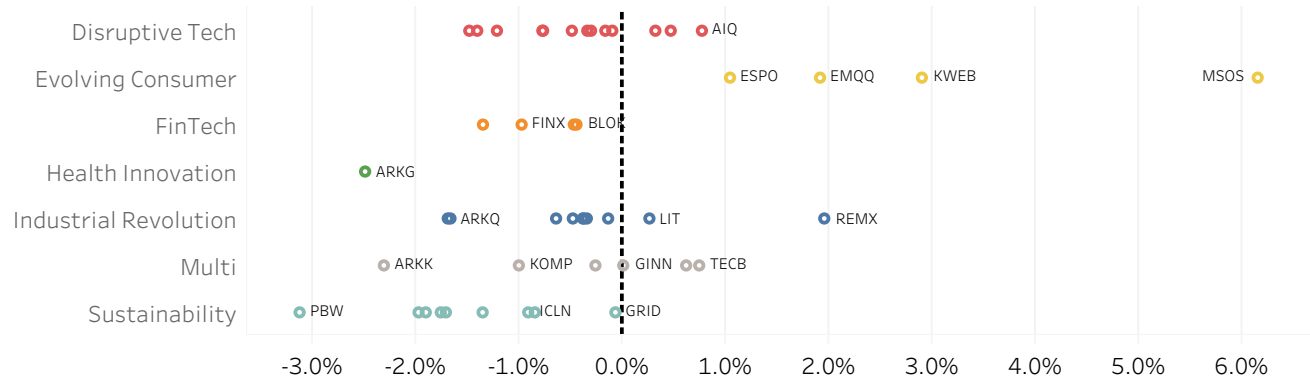


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
MJUS	ETFMG U.S. Alternative Harvest ETF	6.75%
MSOS	AdvisorShares Pure US Cannabis ETF	6.14%
KWEB	KraneShares CSI China Internet ETF	2.89%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	2.77%
MJ	ETFMG Alternative Harvest ETF	2.28%
KGRN	KraneShares MSCI China Clean Technology Index ETF	2.24%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.94%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	1.90%
SOCL	Global X Social Media ETF	1.22%
ESPO	VanEck Video Gaming and eSports ETF	1.03%

Thematic Most Overbought

Ticker	Fund	Price
TECB	iShares U.S. Tech Breakthrough Multisector ETF	78.91
FIVG	Defiance Next Gen Connectivity ETF	75.00
HACK	ETFMG Prime Cyber Security ETF	71.11
QTUM	Defiance Quantum ETF	71.03
SKYY	First Trust Cloud Computing ETF	70.84
CIBR	First Trust NASDAQ Cybersecurity ETF	70.55
FCLD	Fidelity Cloud Computing ETF	69.74
SAMT	Stratgas Macro Thematic Opportunities ETF	69.12
AIQ	Global X Artificial Intelligence & Technology ETF	68.96
WCBR	WisdomTree Cybersecurity Fund	67.48

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
PBW	Invesco WilderHill Clean Energy ETF	-3.14%
ARKG	ARK Genomic Revolution ETF	-2.50%
CNRG	SPDR S&P Kensho Clean Power ETF	-2.45%
ARKK	ARK Innovation ETF	-2.32%
ACES	ALPS Clean Energy ETF	-2.17%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-1.99%
TAN	Invesco Solar ETF	-1.92%
PHO	Invesco Water Resources ETF	-1.77%
FIW	First Trust Water ETF	-1.72%
ARKX	ARK Space Exploration & Innovation ETF	-1.70%

Thematic Most Oversold

Ticker	Fund	Price
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	25.88
IDRV	iShares Self-driving EV & Tech ETF	27.08
REMX	VanEck Rare Earth/Strategic Metals ETF	27.18
SMOG	VanEck Low Carbon Energy ETF	27.34
BATT	Amplify Lithium & Battery Technology ETF	27.65
BITQ	Bitwise Crypto Industry Innovators ETF	30.41
LIT	Global X Lithium & Battery Tech ETF	30.46
DAPP	VanEck Digital Transformation ETF	31.98
ERTH	Invesco MSCI Sustainable Future ETF	32.20
BKCH	Global X Blockchain ETF	32.36

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
CIBR	First Trust NASDAQ Cybersecurity ETF	\$50M
BLOK	Amplify Transformational Data Sharing ETF	\$50M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$25M
CGW	Invesco S&P Global Water Index ETF	\$20M
KWEB	KraneShares CSI China Internet ETF	\$20M
MSOS	AdvisorShares Pure US Cannabis ETF	\$20M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$20M
AIQ	Global X Artificial Intelligence & Technology ETF	\$19M
HACK	ETFMG Prime Cyber Security ETF	\$19M
CLOU	Global X Cloud Computing ETF	\$18M

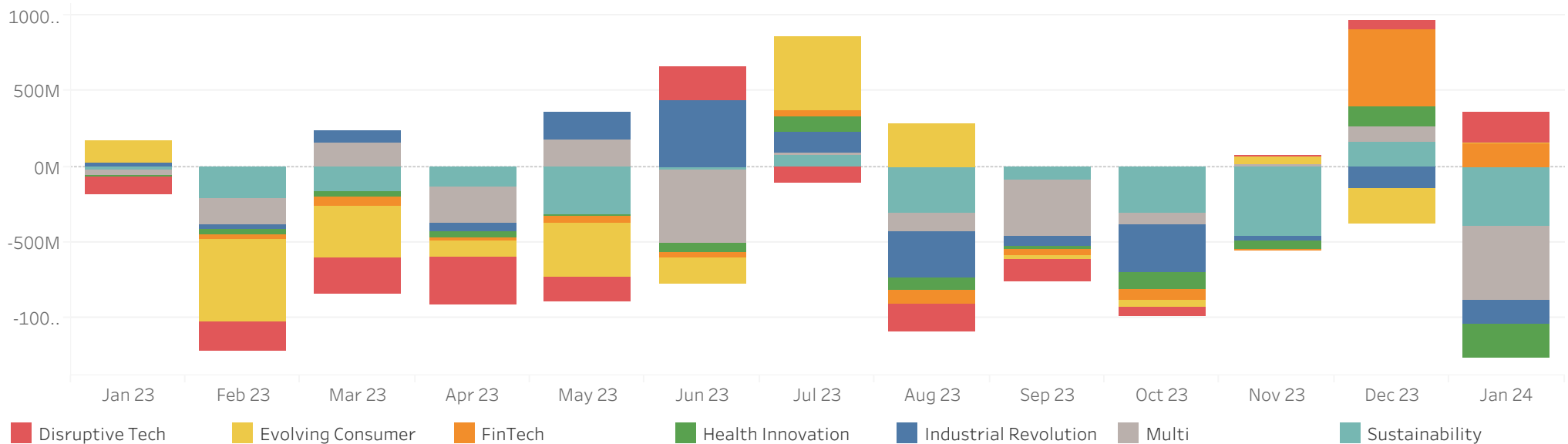
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ICLN	iShares Global Clean Energy ETF	(\$121M)
ARKG	ARK Genomic Revolution ETF	(\$80M)
ARKK	ARK Innovation ETF	(\$69M)
TAN	Invesco Solar ETF	(\$38M)
ARKW	ARK Next Generation Internet ETF	(\$24M)
LIT	Global X Lithium & Battery Tech ETF	(\$18M)
SKYY	First Trust Cloud Computing ETF	(\$18M)
ARKF	ARK Fintech Innovation ETF	(\$15M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$13M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$13M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$19B	\$116M	\$243M	(\$141M)	(\$1,049M)
Evolving Consumer	37	\$8B	\$27M	(\$182M)	\$172M	(\$843M)
FinTech	17	\$4B	(\$33M)	\$653M	\$458M	\$307M
Health Innovation	17	\$2B	(\$34M)	(\$219M)	(\$322M)	(\$446M)
Industrial Revolution	30	\$10B	(\$26M)	(\$401M)	(\$1,036M)	(\$265M)
Multi	35	\$15B	(\$80M)	(\$360M)	(\$1,018M)	(\$1,533M)
Sustainability	40	\$12B	(\$86M)	(\$821M)	(\$1,426M)	(\$2,224M)
Grand Total	209	\$71B	(\$115M)	(\$1,086M)	(\$3,313M)	(\$6,053M)

Thematic Monthly Flows

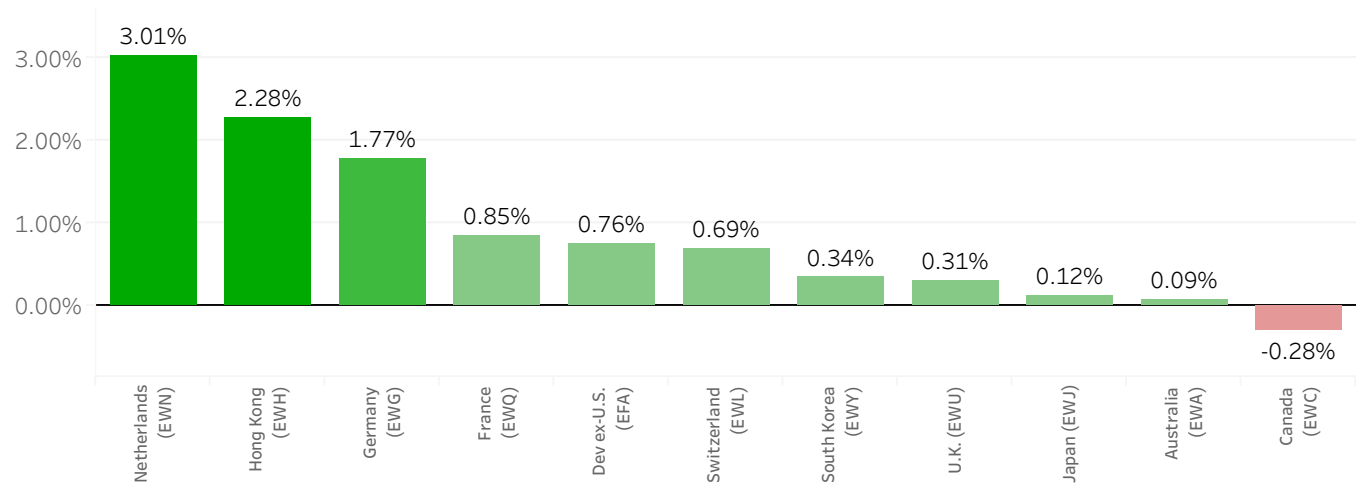


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

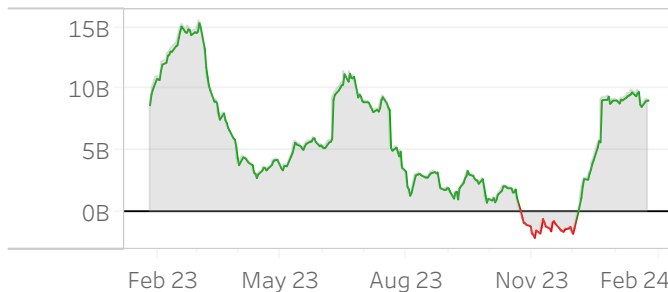
Developed ex-U.S. (EFA)



Developed ex-U.S. 1-Day Performance Top 10 Countries



Developed ex-U.S. 30-Day Rolling Flows



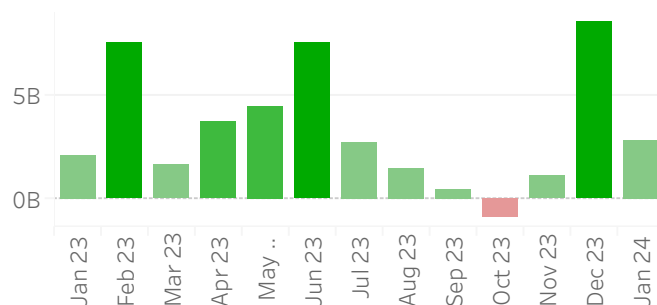
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWN	iShares MSCI Netherlands ETF	3.01%
EWH	iShares MSCI Hong Kong ETF	2.28%
FEZ	SPDR EURO STOXX 50 ETF	2.00%
EWG	iShares MSCI Germany ETF	1.77%
EZU	iShares MSCI Eurozone ETF	1.58%
GREK	Global X MSCI Greece ETF	1.50%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.46%
DAX	Global X DAX Germany ETF	1.42%
IDHQ	Invesco S&P International Developed High Quality ETF	1.35%
EWO	iShares MSCI Austria ETF	1.31%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	72.35
DXJ	WisdomTree Japan Hedged Equity Fund	70.36
HEWJ	iShares Currency Hedged MSCI Japan ETF	69.86
EWN	iShares MSCI Netherlands ETF	68.91
TOK	iShares MSCI Kokusai ETF	64.65
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	64.03
EIRL	iShares MSCI Ireland ETF	64.03
GREK	Global X MSCI Greece ETF	63.10
IMOM	Alpha Architect International Quantitative Momentum ETF	62.53
IMTM	iShares MSCI Intl Momentum Factor ETF	62.35

Developed ex-U.S. Monthly Flows



Developed ex-U.S. 1-Day Performance Laggards

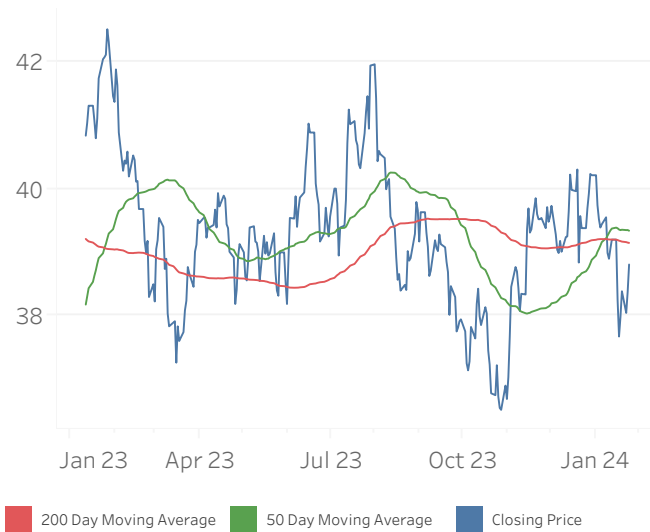
Ticker	Fund	1-Day Performance
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.40%
BBCA	JPMorgan BetaBuilders Canada ETF	-0.38%
FLCA	Franklin FTSE Canada ETF	-0.34%
FJP	First Trust Japan AlphaDEX Fund	-0.31%
EWC	iShares MSCI Canada ETF	-0.28%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.18%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.15%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.13%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.11%
EDEN	iShares MSCI Denmark ETF	-0.08%

Developed ex-U.S. Most Oversold

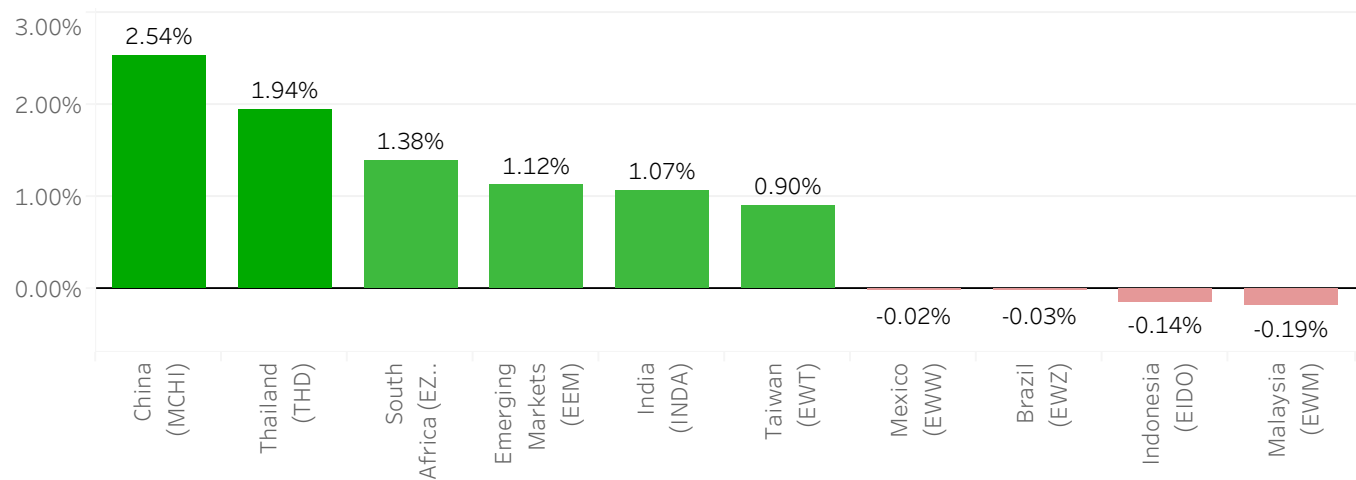
Ticker	Fund	Price
EWY	iShares MSCI South Korea ETF	38.25
FLKR	Franklin FTSE South Korea ETF	39.51
EWY	iShares MSCI Spain ETF	40.59
EWU	iShares MSCI United Kingdom ETF	42.07
FSZ	First Trust Switzerland AlphaDEX Fund	42.85
FDD	First Trust Stoxx European Select Dividend Index Fu..	43.92
FLGB	Franklin FTSE United Kingdom ETF	44.56
EWS	iShares MSCI Singapore ETF	44.67
IDOG	ALPS International Sector Dividend Dogs ETF	44.72
EWD	iShares MSCI Sweden ETF	45.04

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Emerging (EEM)



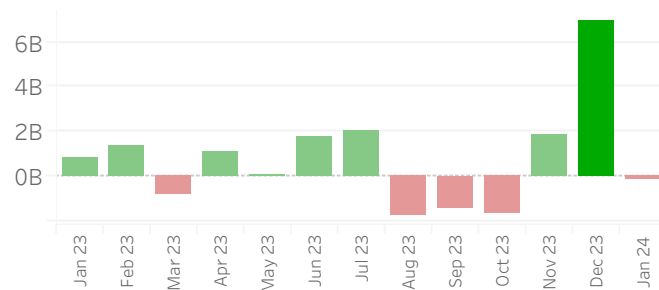
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
FXI	iShares China Large-Cap ETF	2.99%
GXC	SPDR S&P China ETF	2.97%
CNYA	iShares MSCI China A ETF	2.73%
FLCH	Franklin FTSE China ETF	2.71%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	2.57%
MCHI	iShares MSCI China ETF	2.54%
TUR	iShares MSCI Turkey ETF	2.50%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	2.40%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	2.37%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	2.16%

Emerging Most Overbought

Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	78.21
ARGT	Global X MSCI Argentina ETF	62.78
KSA	iShares MSCI Saudi Arabia ETF	59.85
TUR	iShares MSCI Turkey ETF	58.74
FEM	First Trust Emerging Markets AlphaDEX Fund	57.33
GLIN	VanEck India Growth Leaders ETF	57.24
EDIV	SPDR S&P Emerging Markets Dividend ETF	56.70
EPHE	iShares MSCI Philippines ETF	56.59
EPI	WisdomTree India Earnings Fund	56.46
FLTW	Franklin FTSE Taiwan ETF	56.08

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPU	iShares MSCI Peru and Global Exposure ETF	-0.72%
EWM	iShares MSCI Malaysia ETF	-0.19%
EIDO	iShares MSCI Indonesia ETF	-0.14%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.07%
EWZ	iShares MSCI Brazil ETF	-0.03%
EWW	iShares MSCI Mexico ETF	-0.02%
KSA	iShares MSCI Saudi Arabia ETF	0.02%
FLBR	Franklin FTSE Brazil ETF	0.07%
ILF	iShares Latin America 40 ETF	0.07%
EPHE	iShares MSCI Philippines ETF	0.11%

Emerging Most Oversold

Ticker	Fund	Price
THD	iShares MSCI Thailand ETF	38.58
EWZ	iShares MSCI Brazil ETF	40.31
FLBR	Franklin FTSE Brazil ETF	40.99
EIDO	iShares MSCI Indonesia ETF	41.57
EPOL	iShares MSCI Poland ETF	42.24
ILF	iShares Latin America 40 ETF	42.54
EWZS	iShares MSCI Brazil Small-Cap ETF	42.68
PGJ	Invesco Golden Dragon China ETF	42.77
FLLA	Franklin FTSE Latin America ETF	42.85
EWM	iShares MSCI Malaysia ETF	43.09

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



■ 200 Day Moving Average ■ 50 Day Moving Average ■ Closing Price

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.22%	-1.10%	-1.52%
SHY	1-3 Year Treasury Bonds	-0.05%	0.09%	-0.02%
IEF	7-10 Year Treasury Bonds	-0.28%	-1.53%	-1.73%
TLT	20+ Year Treasury Bonds	-0.59%	-5.20%	-5.59%
TIP	TIPS Bonds	-0.23%	-0.88%	-0.95%
FLOT	Floating Rate Bonds	0.10%	0.67%	0.55%
LQD	Investment Grade Corporate	-0.19%	-1.29%	-1.79%
HYG	High Yield Corporate	-0.05%	-0.48%	-0.37%
BKLN	Senior Loan	-0.19%	-0.06%	-0.16%
PFF	Preferred & Income Securities	0.35%	1.44%	1.57%
MUB	Municipal Bonds	0.07%	-0.72%	-0.83%
MBB	MBS	-0.12%	-1.34%	-1.82%
EMB	Dollar Denominated EM Bonds	-0.28%	-2.45%	-2.47%
LEMB	Local Currency EM Bond	0.11%	-1.33%	-1.77%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.90%	-0.36%	0.33%
DBE	Energy	0.84%	1.72%	3.86%
USO	WTI Crude Oil	1.26%	2.69%	5.84%
BNO	Brent Crude Oil	0.92%	2.36%	4.98%
UNG	Natural Gas	4.67%	4.46%	3.85%
UGA	Gasoline	0.61%	4.17%	5.67%
DBP	Precious Metals	-0.54%	-2.83%	-2.95%
GLD	Gold	-0.82%	-2.03%	-2.50%
SLV	Silver	0.88%	-6.37%	-4.91%
PPLT	abrdn Physical Platin..	-0.13%	-7.42%	-8.86%
PALL	abrdn Physical Palla..	1.96%	-19.60%	-11.84%
DBB	Base Metals	1.26%	-1.72%	-3.28%
CPER	Copper	1.69%	0.04%	-0.17%
DBA	Agriculture	0.75%	2.92%	3.66%
CORN	Corn	1.13%	-4.39%	-4.17%
SOYB	Soybeans	-0.08%	-4.35%	-3.85%
WEAT	Wheat	1.93%	-0.85%	-2.68%
CANE	Sugar	2.26%	13.64%	12.95%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.29%	2.03%	2.25%
UDN	Short Dollar	0.33%	-1.36%	-1.79%
FXE	Euro	0.30%	-1.00%	-1.28%
FXB	British Pound Sterling	0.31%	0.42%	0.02%
FXF	Swiss Franc	0.87%	-0.90%	-2.56%
FXJ	Japanese Yen	0.54%	-3.41%	-4.47%
FXC	Canadian Dollar	-0.43%	-1.71%	-1.87%
FXA	Australian Dollar	0.08%	-3.10%	-3.33%

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

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 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, Inc. 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/cash flow, 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).

ETF Action Sector Beta Composites represent ETFs that meet stringent criteria surrounding index methodology, liquidity, assets under management, and management fee.

Source Data & ETF Issuer Information ..

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 us at:

team@etfaction.com

www.etfaction.com