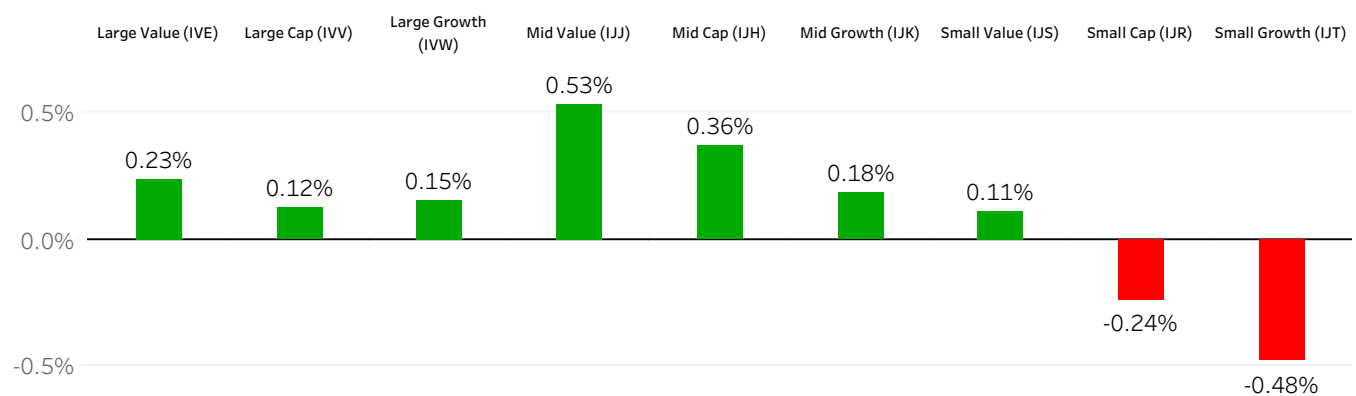


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
RDIV	Invesco S&P Ultra Dividend Revenue ETF	1.27%
RPV	Invesco S&P 500 Pure Value ETF	1.17%
DUSA	Davis Select U.S. Equity ETF	1.03%
SPVU	Invesco S&P 500 Enhanced Value ETF	0.89%
WBIY	WBI Power Factor High Dividend ETF	0.89%
SDOG	ALPS Sector Dividend Dogs ETF	0.84%
XVV	iShares ESG Screened S&P 500 ETF	0.82%
SPDV	AAM S&P 500 High Dividend Value ETF	0.76%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	0.75%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.74%

Size & Style Most Overbought

Ticker	Fund	Price
SPVU	Invesco S&P 500 Enhanced Value ETF	68.57
HDV	iShares Core High Dividend ETF	67.66
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	67.30
FDL	First Trust Morningstar Dividend Leaders Index Fund	66.52
MGV	Vanguard Mega Cap Value ETF	66.13
DIA	SPDR Dow Jones Industrial Average ETF Trust	65.96
SCHD	Schwab US Dividend Equity ETF	65.75
PWV	Invesco Large Cap Value ETF	65.69
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	65.67
SIXA	ETC 6 Meridian Mega Cap Equity ETF	65.62

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-0.71%
XSLV	Invesco S&P SmallCap Low Volatility ETF	-0.69%
XSHQ	Invesco S&P SmallCap Quality ETF	-0.68%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-0.67%
VFMV	Vanguard U.S. Minimum Volatility ETF	-0.61%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-0.57%
SLYG	SPDR S&P 600 Small Cap Growth ETF	-0.54%
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	-0.54%
IWO	iShares Russell 2000 Growth ETF	-0.51%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	-0.50%

Size & Style Most Oversold

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	21.39
CSF	VictoryShares US Discovery Enhanced Volatility Wtd..	28.93
PTNQ	Pacer Trendpilot 100 ETF	40.62
VOOG	Vanguard S&P 500 Growth ETF	41.05
SPYG	SPDR Portfolio S&P 500 Growth ETF	41.06
FPX	First Trust US Equity Opportunities ETF	41.36
IVW	iShares S&P 500 Growth ETF	41.81
IUSG	iShares Core S&P U.S. Growth ETF	41.99
RPHS	Regents Park Hedged Market Strategy ETF	42.02
RPG	Invesco S&P 500 Pure Growth ETF	42.02

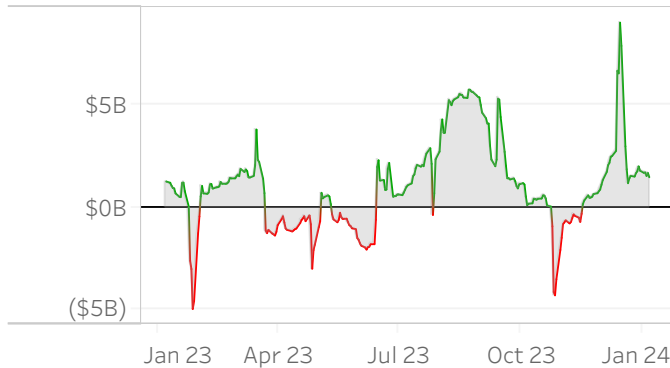
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

\*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	\$1,647B	(\$2.43B)	\$95.45B	\$119.63B	\$160.08B
Large Cap, Beta, Beta: Growth	10	\$309B	(\$1.00B)	\$8.82B	\$13.20B	\$16.55B
Large Cap, Beta, Beta: Value	11	\$241B	(\$0.93B)	\$5.51B	\$6.88B	(\$1.26B)
Mid Cap, Beta, Beta	10	\$206B	\$0.11B	\$0.16B	\$6.18B	\$7.69B
Mid Cap, Beta, Beta: Growth	6	\$38B	(\$0.18B)	\$0.90B	\$0.88B	\$1.05B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.04B	(\$0.02B)	(\$0.59B)	(\$2.34B)
Small Cap, Beta, Beta	11	\$227B	\$1.25B	\$13.84B	\$16.14B	\$21.97B
Small Cap, Beta, Beta: Growth	7	\$36B	\$0.11B	\$1.33B	\$1.44B	\$1.06B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.11B	\$1.26B	\$0.64B	(\$0.60B)

U.S. Size & Style Flow Leaders

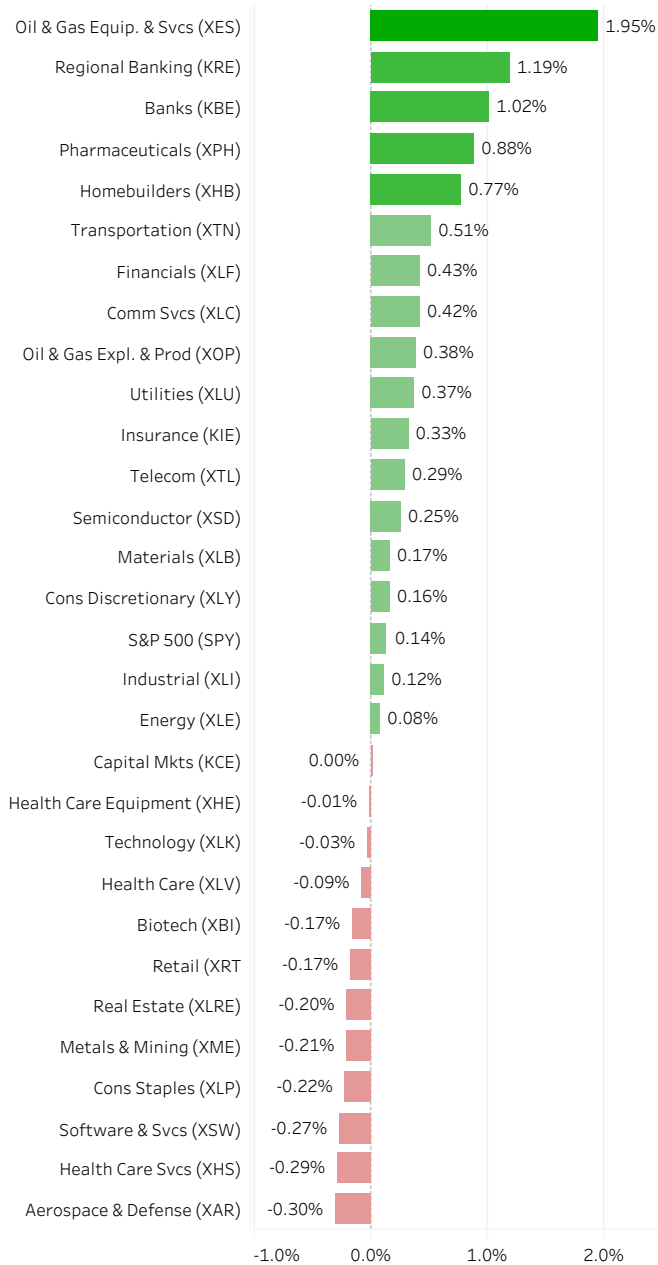
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$3.04B	\$20.03B	\$38.90B	\$41.34B	\$395.94B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	\$1.74B	\$2.11B	\$1.26B	\$4.52B	\$7.15B
VOO	Vanguard S&P 500 ETF	\$1.25B	\$11.76B	\$22.71B	\$43.53B	\$367.41B
QQQ	Invesco QQQ Trust Series I	\$1.25B	\$4.99B	\$6.52B	\$9.23B	\$223.81B
IWM	iShares Russell 2000 ETF	\$0.83B	\$9.43B	\$8.83B	\$9.17B	\$65.93B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.64B	\$5.48B	\$8.17B	\$13.47B	\$49.61B
VTI	Vanguard Total Stock Market ETF	\$0.63B	\$7.51B	\$12.71B	\$21.93B	\$341.64B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.58B	\$1.29B	\$0.84B	(\$0.39B)	\$32.67B
IWV	iShares Russell 3000 ETF	\$0.38B	\$0.58B	\$0.48B	(\$0.38B)	\$12.64B
IJR	iShares Core S&P Small Cap ETF	\$0.33B	\$1.07B	\$2.11B	\$3.11B	\$74.66B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWD	iShares Russell 1000 Value ETF	(\$1.01B)	\$1.84B	\$0.84B	(\$4.04B)	\$53.92B
IWF	iShares Russell 1000 Growth ETF	(\$0.68B)	\$2.05B	\$2.19B	(\$1.18B)	\$78.88B
VIG	Vanguard Dividend Appreciation ETF	(\$0.35B)	\$1.08B	\$0.89B	\$0.65B	\$73.04B
IWY	iShares Russell Top 200 Growth ETF	(\$0.25B)	\$0.69B	\$0.29B	\$1.43B	\$7.95B
IJK	iShares S&P Mid-Cap 400 Growth ETF	(\$0.18B)	\$0.08B	(\$0.15B)	\$0.01B	\$7.94B
IVW	iShares S&P 500 Growth ETF	(\$0.15B)	(\$0.28B)	\$1.25B	\$0.72B	\$35.62B
DVY	iShares Select Dividend ETF	(\$0.11B)	(\$0.63B)	(\$1.56B)	(\$3.36B)	\$18.86B
LSAT	Leadershares Alphafactor Tactical Focused E..	(\$0.09B)	(\$0.05B)	(\$0.06B)	(\$0.04B)	\$0.14B
HDV	iShares Core High Dividend ETF	(\$0.09B)	(\$0.29B)	(\$0.39B)	(\$2.69B)	\$10.35B
IWB	iShares Russell 1000 ETF	(\$0.08B)	(\$0.14B)	(\$0.74B)	(\$1.65B)	\$31.89B

\* 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)
XLF	Financial Select Sector SPDR Fund	-0.03%	21.85%	5.63%	10.99%	66.71
XLV	Health Care Select Sector SPDR Fund	-0.09%	12.98%	5.71%	5.60%	73.86
XLC	Communication Services Select Sector SPDR Fund	-1.45%	39.91%	2.69%	9.68%	55.99
SPY	SPDR S&P 500 ETF Trust	-1.84%	21.42%	2.55%	6.89%	52.31
XLB	Materials Select Sector SPDR Fund	-2.17%	13.27%	3.17%	4.53%	53.10
XLI	Industrial Select Sector SPDR Fund	-2.37%	15.54%	3.47%	6.65%	52.49
XLK	Technology Select Sector SPDR Fund	-4.64%	43.98%	0.07%	8.49%	38.14
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.85%	27.22%	1.41%	5.88%	42.46
XLRE	Real Estate Select Sector SPDR Fund	-6.07%	22.06%	5.20%	7.05%	53.74
XLP	Consumer Staples Select Sector SPDR Fund	-7.08%	8.74%	2.30%	-0.68%	57.27
XLU	Utilities Select Sector SPDR Fund	-7.77%	14.84%	3.06%	0.33%	60.91
XLE	Energy Select Sector SPDR Fund	-9.30%	10.56%	0.46%	-0.14%	50.95

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXJ	Invesco Oil & Gas Services ETF	2.22%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.95%
IAT	iShares U.S. Regional Banks ETF	1.72%
KBWB	Invesco KBW Bank ETF	1.61%
FTXO	First Trust Nasdaq Bank ETF	1.30%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.22%
KRE	SPDR S&P Regional Banking ETF	1.19%
KBE	SPDR S&P Bank ETF	1.02%
KBWD	Invesco KBW High Dividend Yield Financial ETF	0.95%
FXO	First Trust Financials AlphaDEX Fund	0.93%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IHE	iShares U.S. Pharmaceuticals ETF	75.94
XPH	SPDR S&P Pharmaceuticals ETF	73.93
XLV	Health Care Select Sector SPDR Fund	73.86
PJP	Invesco Pharmaceuticals ETF	73.62
IYH	iShares U.S. Healthcare ETF	73.11
VHT	Vanguard Health Care ETF	72.12
FHLC	Fidelity MSCI Health Care Index ETF	71.78
PINK	Simplify Health Care ETF	69.25
IAK	iShares U.S. Insurance ETF	67.63
KBWB	Invesco KBW Bank ETF	67.29

### Sector & Industry 1 Day Performance Laggards

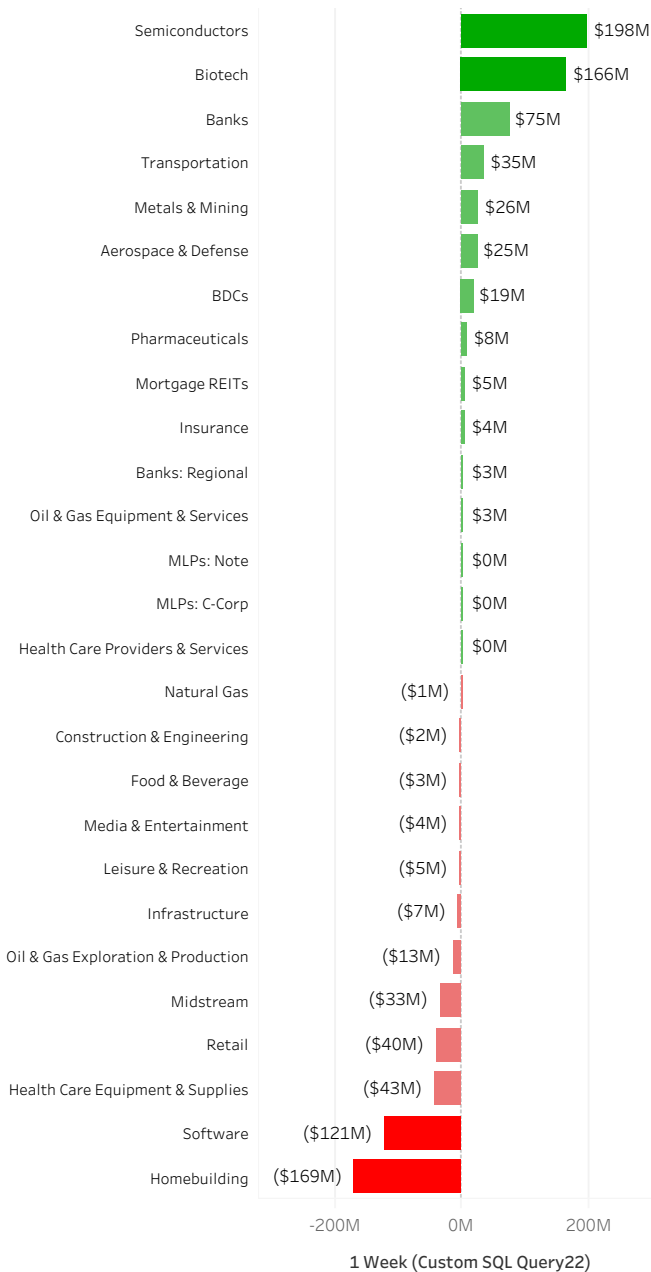
Ticker	Fund	1 Day Performance
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-0.95%
PSCT	Invesco S&P SmallCap Information Technology ETF	-0.81%
PTF	Invesco Dorsey Wright Technology Momentum ETF	-0.78%
PBE	Invesco Biotechnology & Genome ETF	-0.76%
PSL	Invesco Dorsey Wright Consumer Staples Momentum ..	-0.64%
NETL	NETLease Corporate Real Estate ETF	-0.61%
REZ	iShares Residential and Multisector Real Estate ETF	-0.52%
ROOF	IQ CBRE NextGen Real Estate ETF	-0.47%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-0.47%
PSCH	Invesco S&P SmallCap Health Care ETF	-0.38%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PTF	Invesco Dorsey Wright Technology Momentum ETF	36.26
XLK	Technology Select Sector SPDR Fund	38.14
FTEC	Fidelity MSCI Information Technology Index ETF	38.45
VGT	Vanguard Information Technology ETF	38.83
IGV	iShares Expanded Tech-Software Sector ETF	39.32
TDV	ProShares S&P Technology Dividend Aristocrats ETF	40.20
IYW	iShares U.S. Technology ETF	40.56
PSCT	Invesco S&P SmallCap Information Technology ETF	41.95
XSD	SPDR S&P Semiconductor ETF	42.34
XLY	Consumer Discretionary Select Sector SPDR Fund	42.46

\* 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	\$21B	(\$344M)	\$730M	\$1,251M	\$3,795M
Consumer Discretionary	12	\$28B	(\$462M)	\$68M	\$1,312M	\$2,790M
Consumer Staples	10	\$25B	\$40M	(\$2,522M)	(\$3,959M)	(\$3,564M)
Energy	30	\$71B	(\$267M)	(\$261M)	\$2,397M	(\$7,833M)
Financials	26	\$62B	\$300M	\$1,329M	(\$792M)	\$907M
Health Care	23	\$89B	\$847M	(\$2,585M)	(\$5,731M)	(\$9,718M)
Industrial	13	\$36B	\$496M	\$673M	\$656M	\$1,524M
Materials	9	\$12B	\$113M	(\$554M)	(\$1,181M)	(\$2,150M)
Multi-Sector	16	\$19B	(\$315M)	(\$288M)	(\$128M)	\$2,202M
Real Estate	25	\$61B	\$404M	\$2,533M	\$2,392M	(\$900M)
Technology	23	\$168B	(\$243M)	\$5,013M	\$4,799M	\$5,545M
Utilities	9	\$22B	\$34M	(\$1,391M)	(\$1,521M)	(\$1,633M)

## U.S. Sector & Industry Flow Leaders

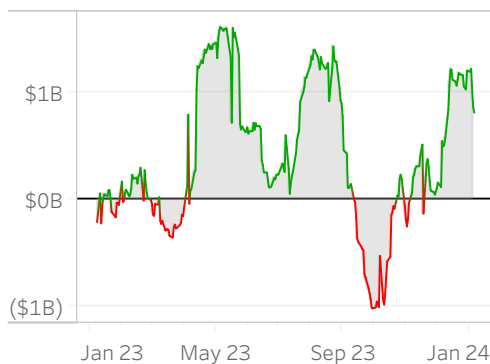
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$722M	(\$1,476M)	(\$3,687M)	(\$3,629M)	\$39,167M
XLI	Industrial Select Sector SPDR Fund	\$424M	\$86M	\$44M	(\$20M)	\$15,465M
VNQ	Vanguard Real Estate ETF	\$318M	(\$351M)	(\$124M)	(\$1,581M)	\$33,281M
SOXX	iShares Semiconductor ETF	\$187M	\$214M	(\$70M)	\$591M	\$9,804M
IBB	iShares Biotechnology ETF	\$171M	(\$84M)	(\$376M)	(\$1,301M)	\$7,666M
XLF	Financial Select Sector SPDR Fund	\$146M	\$67M	(\$1,874M)	(\$98M)	\$34,143M
XLRE	Real Estate Select Sector SPDR Fund	\$94M	\$910M	\$818M	\$438M	\$5,723M
XLB	Materials Select Sector SPDR Fund	\$81M	(\$89M)	(\$488M)	(\$256M)	\$5,383M
XLP	Consumer Staples Select Sector SPDR Fund	\$66M	(\$1,594M)	(\$1,701M)	(\$1,322M)	\$15,345M
KBWB	Invesco KBW Bank ETF	\$52M	(\$102M)	\$153M	\$230M	\$1,667M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$411M)	\$334M	\$1,230M	\$1,544M	\$18,447M
XLC	Communication Services Select Sector SPDR Fu..	(\$331M)	\$849M	\$979M	\$3,571M	\$15,847M
XLE	Energy Select Sector SPDR Fund	(\$145M)	\$44M	\$1,630M	(\$2,348M)	\$36,394M
XHB	SPDR S&P Homebuilders ETF	(\$131M)	\$166M	(\$18M)	\$232M	\$1,550M
FDN	First Trust Dow Jones Internet Index Fund	(\$130M)	(\$386M)	(\$489M)	\$456M	\$5,591M
IGV	iShares Expanded Tech-Software Sector ETF	(\$119M)	(\$181M)	(\$132M)	\$303M	\$7,023M
PTF	Invesco Dorsey Wright Technology Momentum ..	(\$113M)	\$9M	\$67M	\$83M	\$336M
IGM	iShares Expanded Tech Sector ETF	(\$87M)	(\$6M)	\$34M	(\$8M)	\$3,521M
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	(\$47M)	(\$56M)	\$9M	(\$136M)	\$795M
VDE	Vanguard Energy ETF	(\$44M)	(\$99M)	\$237M	(\$147M)	\$7,945M

\* 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



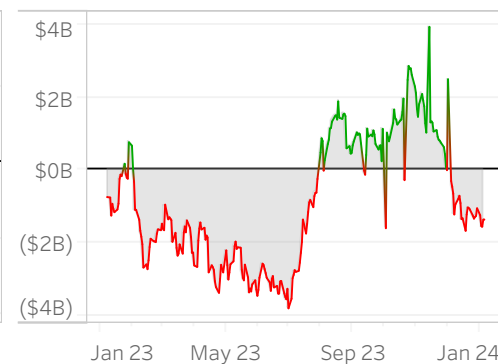
Consumer Discretionary



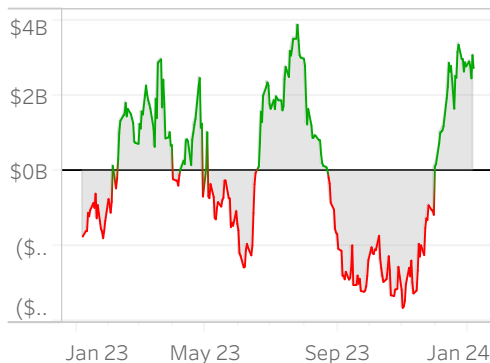
Consumer Staples



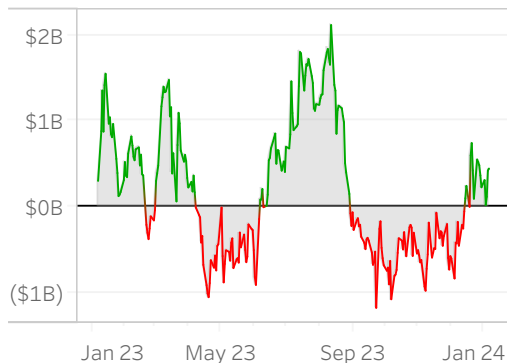
Energy



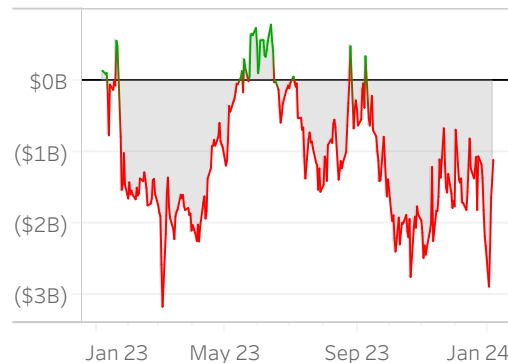
Financials



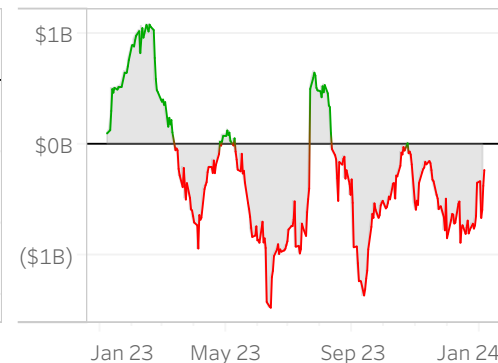
Industrial



Health Care



Materials



Real Estate



Technology



Utilities

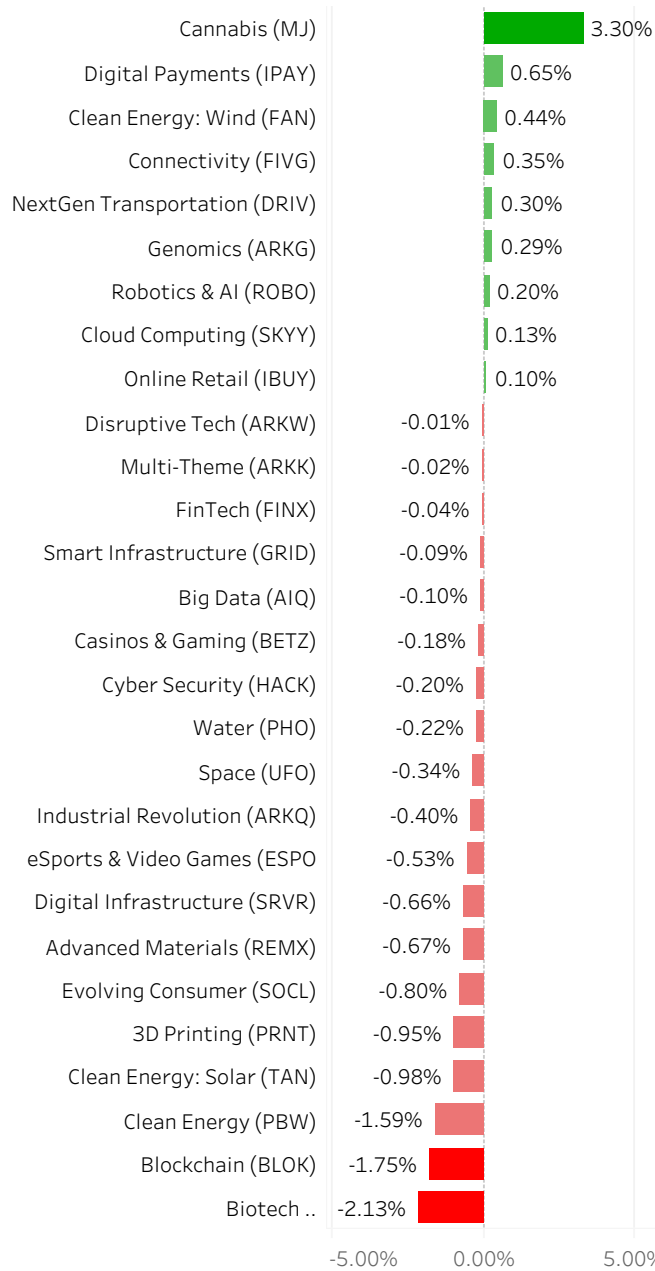


Multi-Sector

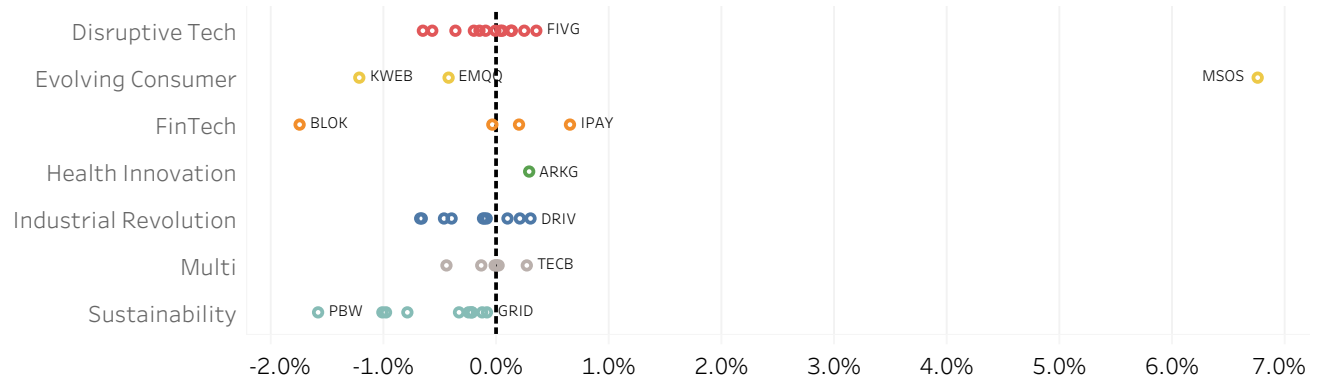


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	6.75%
MJUS	ETFMG U.S. Alternative Harvest ETF	4.91%
MJ	ETFMG Alternative Harvest ETF	3.30%
ENTR	ERShares Entrepreneurs ETF	0.73%
IPAY	ETFMG Prime Mobile Payments ETF	0.65%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	0.52%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	0.45%
FAN	First Trust Global Wind Energy ETF	0.44%
FIVG	Defiance Next Gen Connectivity ETF	0.35%
DRIV	Global X Autonomous & Electric Vehicles ETF	0.30%

Thematic Most Overbought

Ticker	Fund	Price
MJUS	ETFMG U.S. Alternative Harvest ETF	67.10
MSOS	AdvisorShares Pure US Cannabis ETF	66.39
MJ	ETFMG Alternative Harvest ETF	62.91
IDNA	iShares Genomics Immunology and Healthcare ETF	61.68
AGNG	Global X Aging Population ETF	60.78
SBIO	ALPS Medical Breakthroughs ETF	59.68
HTEC	ROBO Global Healthcare Technology and Innovation ETF	56.45
FAN	First Trust Global Wind Energy ETF	55.99
PAWZ	ProShares Pet Care ETF	55.95
LEGR	First Trust Indxx Innovative Transaction & Process ETF	55.85

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
WGM	Valkyrie Bitcoin Miners ETF	-5.92%
BKCH	Global X Blockchain ETF	-4.78%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-4.52%
BITQ	Bitwise Crypto Industry Innovators ETF	-3.97%
DAPP	VanEck Digital Transformation ETF	-3.44%
SBIO	ALPS Medical Breakthroughs ETF	-2.13%
BLOK	Amplify Transformational Data Sharing ETF	-1.75%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.74%
PBW	Invesco WilderHill Clean Energy ETF	-1.59%
KWEB	KraneShares CSI China Internet ETF	-1.22%

Thematic Most Oversold

Ticker	Fund	Price
SAMT	Strategas Macro Thematic Opportunities ETF	37.48
EVX	VanEck Environmental Services ETF	37.74
BATT	Amplify Lithium & Battery Technology ETF	39.45
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	41.04
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	41.27
BOTZ	Global X Robotics & Artificial Intelligence ETF	41.31
HERO	Global X Video Games & Esports ETF	41.36
BUG	Global X Cybersecurity ETF	41.36
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	41.40
PBW	Invesco WilderHill Clean Energy ETF	41.45

\* 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	
AIO	Global X Artificial Intelligence & Technology ETF	\$38M
LIT	Global X Lithium & Battery Tech ETF	\$31M
WCLD	WisdomTree Cloud Computing Fund	\$17M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$15M
TARK	AXS 2X Innovation ETF	\$9M
IZRL	ARK Israel Innovative Technology ETF	\$8M
IHAK	iShares Cybersecurity & Tech ETF	\$7M
ARKG	ARK Genomic Revolution ETF	\$7M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M
MSOS	AdvisorShares Pure US Cannabis ETF	\$4M

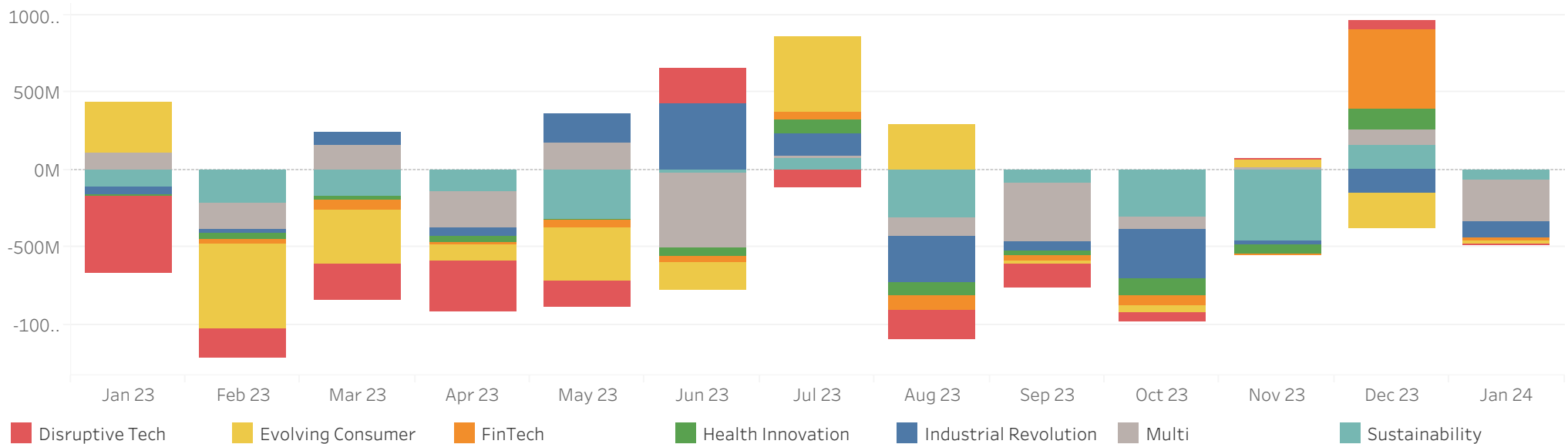
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$274M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$89M)
ARKW	ARK Next Generation Internet ETF	(\$43M)
TAN	Invesco Solar ETF	(\$28M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$22M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$18M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$12M)
ARKF	ARK Fintech Innovation ETF	(\$12M)
METV	Roundhill Ball Metaverse ETF	(\$10M)
IDRV	iShares Self-driving EV & Tech ETF	(\$10M)

## Thematic Landscape Assets & Flows

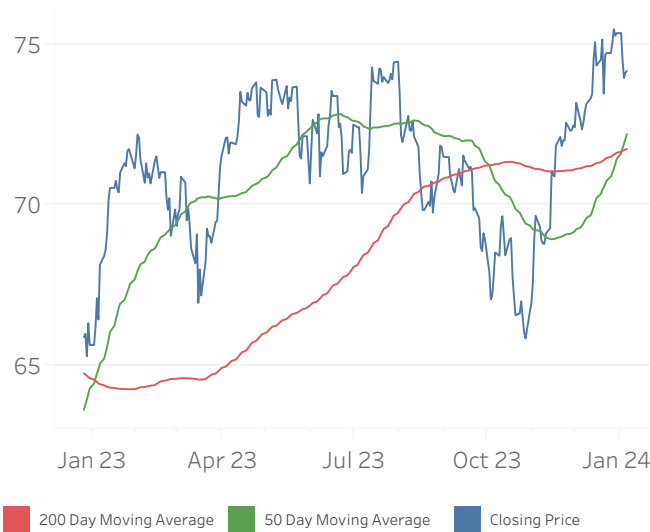
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$18B	(\$5M)	\$15M	(\$468M)	(\$1,635M)
Evolving Consumer	37	\$8B	(\$15M)	(\$239M)	\$498M	(\$693M)
FinTech	17	\$4B	(\$16M)	\$463M	\$317M	\$142M
Health Innovation	17	\$3B	(\$6M)	(\$29M)	(\$52M)	(\$237M)
Industrial Revolution	30	\$10B	(\$97M)	(\$566M)	(\$879M)	(\$260M)
Multi	35	\$16B	(\$275M)	(\$293M)	(\$677M)	(\$1,170M)
Sustainability	40	\$13B	(\$69M)	(\$616M)	(\$969M)	(\$1,984M)
Grand Total	209	\$71B	(\$483M)	(\$1,266M)	(\$2,229M)	(\$5,837M)

## Thematic Monthly Flows

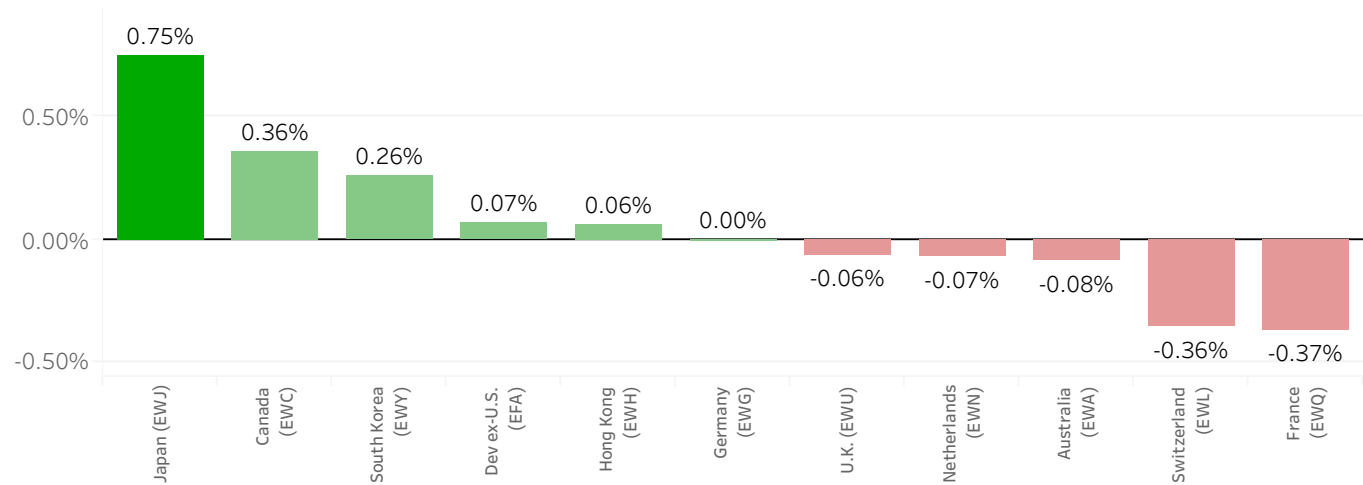


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

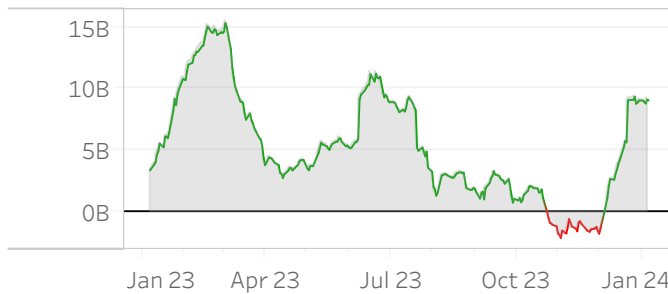
Developed ex-U.S. (EFA)



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



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



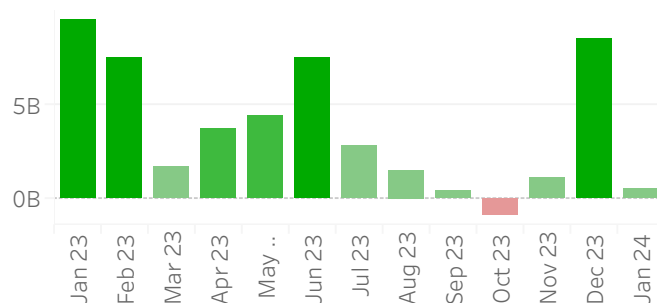
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWJV	iShares MSCI Japan Value ETF	1.66%
DXJ	WisdomTree Japan Hedged Equity Fund	0.98%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.88%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.85%
BBJP	JPMorgan BetaBuilders Japan ETF	0.79%
EWJ	iShares MSCI Japan ETF	0.75%
FLJP	Franklin FTSE Japan ETF	0.73%
FJP	First Trust Japan AlphaDEX Fund	0.67%
FIDI	Fidelity International High Dividend ETF	0.61%
IMTM	iShares MSCI Intl Momentum Factor ETF	0.59%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	66.54
EDEN	iShares MSCI Denmark ETF	66.47
FYLD	Cambria Foreign Shareholder Yield ETF	65.28
EIS	iShares MSCI Israel ETF	64.70
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	64.53
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	64.20
IDOG	ALPS International Sector Dividend Dogs ETF	64.10
RFDI	First Trust Riverfront Dynamic Developed International E..	63.71
FIDI	Fidelity International High Dividend ETF	63.21
UIVM	VictoryShares International Value Momentum ETF	62.74

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWD	iShares MSCI Sweden ETF	-0.92%
IEUS	iShares MSCI Europe Small-Cap ETF	-0.55%
DFE	WisdomTree Europe SmallCap Dividend Fund	-0.48%
FICS	First Trust International Developed Capital Strength ETF	-0.48%
NORW	Global X MSCI Norway ETF	-0.43%
EUDG	WisdomTree Europe Quality Dividend Growth Fund	-0.38%
EWQ	iShares MSCI France ETF	-0.37%
EWL	iShares MSCI Switzerland ETF	-0.36%
BKCI	BNY Mellon Concentrated International ETF	-0.35%
IDHQ	Invesco S&P International Developed High Quality ETF	-0.35%

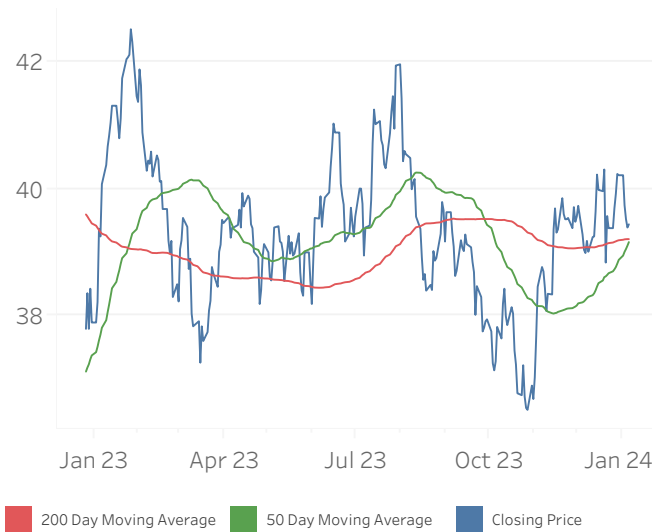
Developed ex-U.S. Most Oversold

Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	42.11
AIA	iShares Asia 50 ETF	42.48
EWN	iShares MSCI Netherlands ETF	44.17
EWQ	iShares MSCI France ETF	45.01
EWD	iShares MSCI Sweden ETF	45.45
EWY	iShares MSCI South Korea ETF	45.82
AAXJ	iShares MSCI All Country Asia ex Japan ETF	45.89
HEZU	iShares Currency Hedged MSCI Eurozone ETF	45.98
BKCI	BNY Mellon Concentrated International ETF	46.61
EZU	iShares MSCI Eurozone ETF	47.64

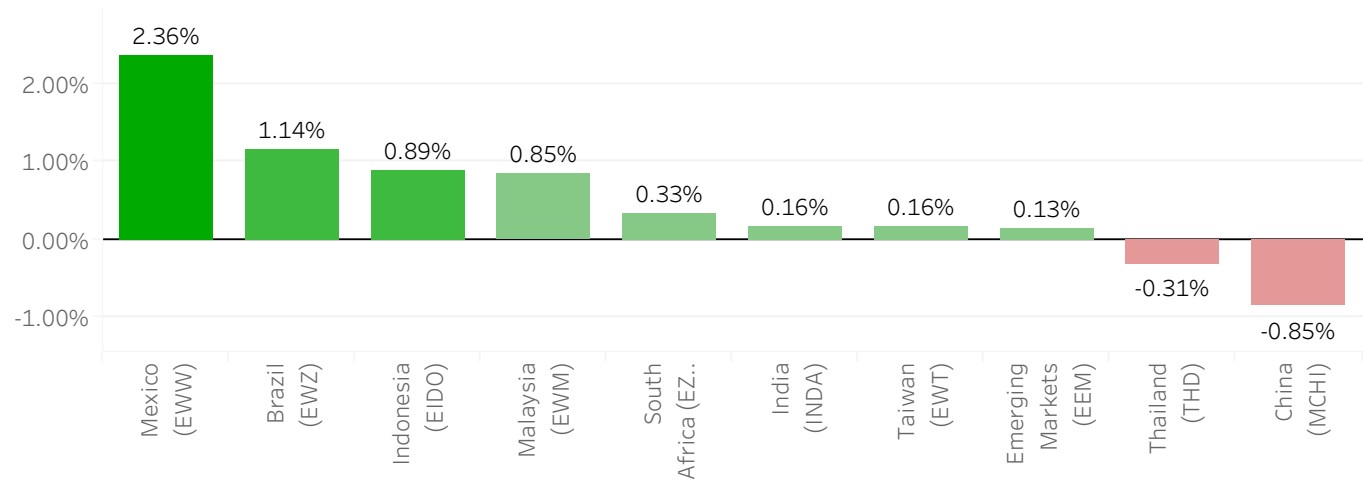
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



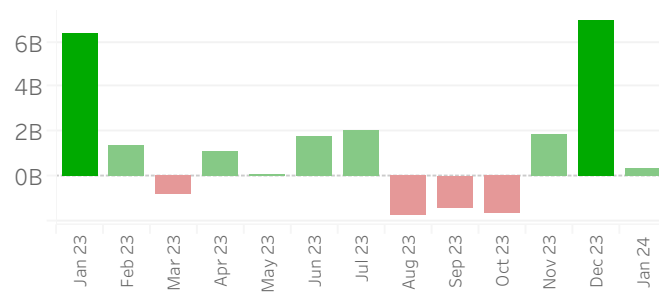
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWW	iShares MSCI Mexico ETF	2.36%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.68%
FLLA	Franklin FTSE Latin America ETF	1.50%
ILF	iShares Latin America 40 ETF	1.31%
EWZ	iShares MSCI Brazil ETF	1.14%
TUR	iShares MSCI Turkey ETF	1.08%
FLBR	Franklin FTSE Brazil ETF	1.04%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	1.04%
GLIN	VanEck India Growth Leaders ETF	1.04%
EIDO	iShares MSCI Indonesia ETF	0.89%

Emerging Most Overbought

Ticker	Fund	Price
SMIN	iShares MSCI India Small Cap ETF	73.37
EPHE	iShares MSCI Philippines ETF	70.95
EPI	WisdomTree India Earnings Fund	70.50
FLIN	Franklin FTSE India ETF	69.69
INDA	iShares MSCI India ETF	68.59
KWT	iShares MSCI Kuwait ETF	68.20
GLIN	VanEck India Growth Leaders ETF	67.41
KSA	iShares MSCI Saudi Arabia ETF	67.35
INDY	iShares India 50 ETF	67.06
PIN	Invesco India ETF	65.38

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	-1.77%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.01%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.99%
MCHI	iShares MSCI China ETF	-0.85%
GXC	SPDR S&P China ETF	-0.83%
FLCH	Franklin FTSE China ETF	-0.63%
EPOL	iShares MSCI Poland ETF	-0.59%
FXI	iShares China Large-Cap ETF	-0.56%
ECNS	iShares MSCI China Small-Cap ETF	-0.48%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	-0.44%

Emerging Most Oversold

Ticker	Fund	Price
CNYA	iShares MSCI China A ETF	33.65
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	35.90
EWT	iShares MSCI Taiwan ETF	36.23
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	37.19
ECNS	iShares MSCI China Small-Cap ETF	38.41
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	38.74
GXC	SPDR S&P China ETF	40.49
MCHI	iShares MSCI China ETF	40.51
FXI	iShares China Large-Cap ETF	41.37
FLCH	Franklin FTSE China ETF	41.73

\* 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	-0.23%	1.42%	-1.06%
SHY	1-3 Year Treasury Bonds	-0.02%	0.65%	-0.18%
IEF	7-10 Year Treasury Bonds	-0.37%	1.38%	-1.10%
TLT	20+ Year Treasury Bonds	-0.96%	2.09%	-2.62%
TIP	TIPS Bonds	-0.22%	1.11%	-0.67%
FLOT	Floating Rate Bonds	0.02%	0.60%	0.14%
LQD	Investment Grade Corporate	-0.36%	1.41%	-1.81%
HYG	High Yield Corporate	0.08%	1.56%	-0.92%
BKLN	Senior Loan	0.05%	1.61%	-0.19%
PFF	Preferred & Income Securities	0.00%	2.16%	-0.22%
MUB	Municipal Bonds	-0.13%	1.23%	-0.31%
MBB	MBS	-0.18%	1.84%	-1.18%
EMB	Dollar Denominated EM Bonds	-0.31%	0.90%	-2.12%
LEMB	Local Currency EM Bond	0.36%	2.19%	-0.87%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.13%	-0.70%	0.07%
DBE	Energy	1.03%	-0.26%	2.55%
USO	WTI Crude Oil	2.16%	2.15%	3.57%
BNO	Brent Crude Oil	1.59%	2.19%	2.71%
UNG	Natural Gas	1.21%	9.36%	15.19%
UGA	Gasoline	-0.05%	-0.20%	0.16%
DBP	Precious Metals	0.19%	-0.02%	-1.13%
GLD	Gold	0.02%	1.18%	-0.95%
SLV	Silver	0.62%	-4.11%	-2.62%
PPLT	abrdn Physical Platin..	0.70%	6.80%	-2.64%
PALL	abrdn Physical Palla..	-0.89%	9.71%	-6.20%
DBB	Base Metals	-0.62%	3.36%	-3.93%
CPER	Copper	-1.05%	1.07%	-2.03%
DBA	Agriculture	-0.68%	-2.22%	-0.77%
CORN	Corn	-1.04%	-4.68%	-1.59%
SOYB	Soybeans	-1.10%	-5.25%	-3.08%
WEAT	Wheat	0.34%	-2.00%	-1.51%
CANE	Sugar	-0.01%	-12.00%	1.46%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.00%	-0.95%	1.18%
UDN	Short Dollar	0.16%	1.89%	-0.98%
FXE	Euro	-0.10%	1.57%	-0.86%
FXB	British Pound Sterling	0.30%	1.31%	-0.15%
FXF	Swiss Franc	-0.02%	2.93%	-1.06%
FXJ	Japanese Yen	0.02%	1.59%	-2.67%
FXC	Canadian Dollar	-0.14%	1.76%	-0.89%
FXA	Australian Dollar	0.18%	2.60%	-1.41%

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Contact us at:

[team@etfaction.com](mailto:team@etfaction.com)

[www.etfaction.com](http://www.etfaction.com)