

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

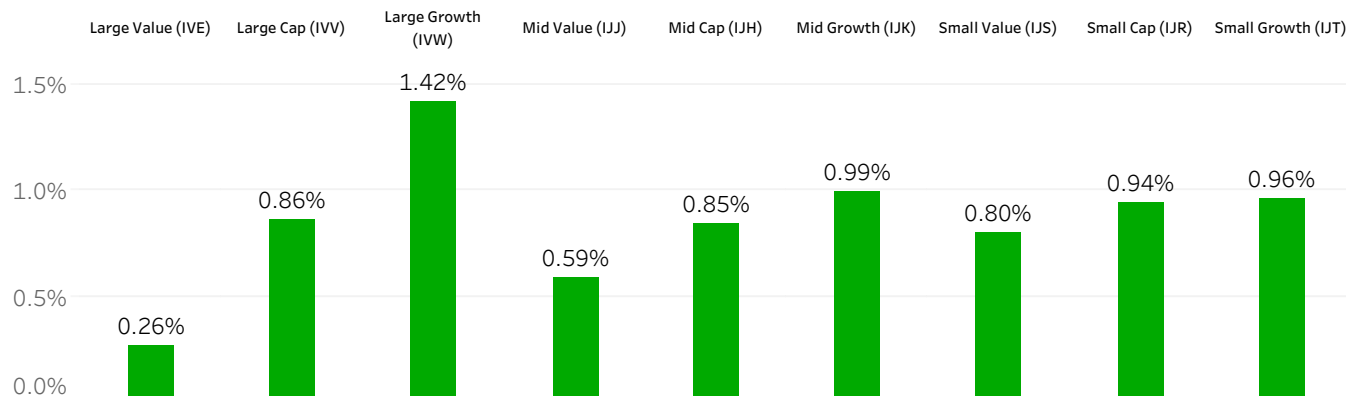


Small Cap Blend (S&P 600) IJR



■ 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
XJR	iShares ESG Screened S&P Small-Cap ETF	2.44%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	1.66%
RPG	Invesco S&P 500 Pure Growth ETF	1.60%
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.55%
SPMO	Invesco S&P 500 Momentum ETF	1.52%
QQQM	Invesco NASDAQ 100 ETF	1.47%
MGK	Vanguard Mega Cap Growth ETF	1.46%
JSML	Janus Henderson Small Cap Growth Alpha ETF	1.46%
FTC	First Trust Large Cap Growth AlphaDEX Fund	1.44%
SPYG	SPDR Portfolio S&P 500 Growth ETF	1.43%

Size & Style Most Overbought

Ticker	Fund	Price
SPMO	Invesco S&P 500 Momentum ETF	71.09
PWB	Invesco Large Cap Growth ETF	70.58
WINN	Harbor Long-Term Growers ETF	69.39
MTUM	iShares MSCI USA Momentum Factor ETF	68.78
USMF	WisdomTree U.S. Multifactor Fund	67.93
IWV	iShares Russell Top 200 Growth ETF	67.65
GVIP	Goldman Sachs Hedge Industry VIP ETF	67.55
QGRO	American Century U.S. Quality Growth ETF	67.52
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	67.44
DRUP	GraniteShares Nasdaq Select Disruptors ETF	67.23

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-0.67%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	-0.58%
IPO	Renaissance IPO ETF	-0.50%
CDL	VictoryShares US Large Cap High Dividend Volatility Wt..	-0.49%
WBIY	WBI Power Factor High Dividend ETF	-0.46%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-0.38%
SPDV	AAM S&P 500 High Dividend Value ETF	-0.38%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-0.35%
IWC	iShares Micro-Cap ETF	-0.34%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.27%

Size & Style Most Oversold

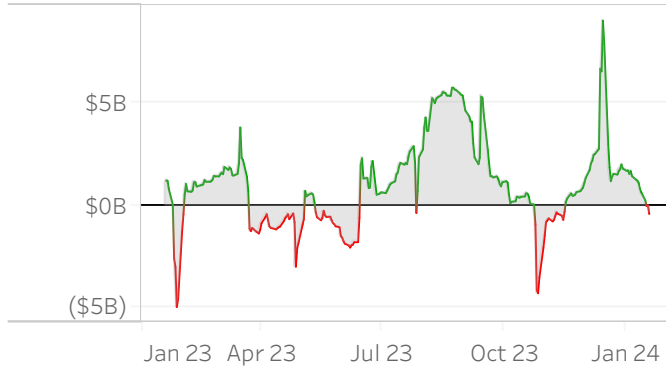
Ticker	Fund	Price
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	26.15
SPC	CrossingBridge Pre-Merger SPAC ETF	32.34
PEY	Invesco High Yield Equity Dividend Achievers ETF	35.37
IPO	Renaissance IPO ETF	36.18
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	36.23
CSF	VictoryShares US Discovery Enhanced Volatility Wt..	36.60
DHS	WisdomTree U.S. High Dividend Fund	37.65
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	38.31
DVY	iShares Select Dividend ETF	38.51
FDM	First Trust Dow Jones Select MicroCap Index Fund	38.54

\*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	\$1,671B	\$4.49B	\$91.32B	\$118.93B	\$164.12B
Large Cap, Beta, Beta: Growth	10	\$319B	\$0.85B	\$7.22B	\$13.24B	\$17.36B
Large Cap, Beta, Beta: Value	11	\$235B	(\$1.36B)	\$3.04B	\$4.24B	(\$2.67B)
Mid Cap, Beta, Beta	10	\$204B	(\$0.13B)	(\$0.19B)	\$5.58B	\$6.91B
Mid Cap, Beta, Beta: Growth	6	\$38B	(\$0.06B)	\$0.73B	\$0.55B	\$1.13B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.02B	(\$0.08B)	(\$0.61B)	(\$2.33B)
Small Cap, Beta, Beta	11	\$219B	(\$1.47B)	\$12.04B	\$13.61B	\$18.25B
Small Cap, Beta, Beta: Growth	7	\$35B	(\$0.10B)	\$1.24B	\$1.21B	\$1.20B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.47B)	\$0.69B	(\$0.11B)	(\$1.16B)

U.S. Size & Style Flow Leaders

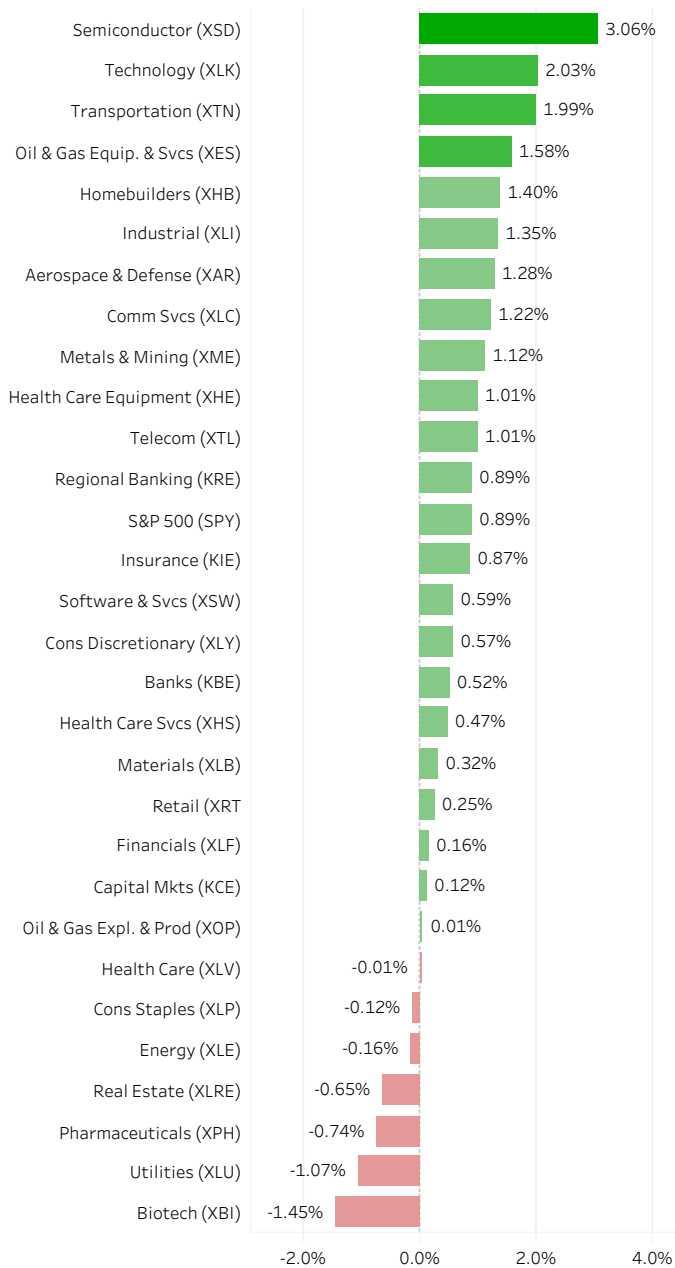
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$5.25B	\$22.08B	\$40.55B	\$46.73B	\$405.03B
VOO	Vanguard S&P 500 ETF	\$1.97B	\$16.65B	\$26.46B	\$47.93B	\$376.55B
FTCS	First Trust Capital Strength ETF	\$1.18B	\$0.79B	\$0.58B	(\$1.05B)	\$9.83B
IWY	iShares Russell Top 200 Growth ETF	\$0.68B	\$0.62B	\$0.82B	\$1.92B	\$8.73B
QQQM	Invesco NASDAQ 100 ETF	\$0.56B	\$2.73B	\$4.31B	\$9.51B	\$19.63B
QQQ	Invesco QQQ Trust Series I	\$0.33B	\$4.36B	\$5.83B	\$14.67B	\$231.85B
VTI	Vanguard Total Stock Market ETF	\$0.19B	\$7.93B	\$13.65B	\$21.87B	\$345.49B
VUG	Vanguard Growth ETF	\$0.18B	\$1.89B	\$2.39B	\$3.91B	\$104.64B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.13B	\$4.47B	\$5.82B	\$7.79B	\$26.32B
IJR	iShares Core S&P Small Cap ETF	\$0.13B	\$1.69B	\$2.26B	\$3.36B	\$73.51B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.61B)	\$7.06B	\$6.36B	\$5.78B	\$61.05B
SUSA	iShares MSCI USA ESG Select ETF	(\$0.95B)	(\$1.34B)	(\$0.44B)	(\$0.14B)	\$3.78B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.62B)	\$1.44B	\$1.88B	\$1.22B	\$19.25B
IWD	iShares Russell 1000 Value ETF	(\$0.55B)	\$0.03B	(\$0.50B)	(\$4.19B)	\$51.50B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.43B)	\$1.27B	(\$0.40B)	(\$0.37B)	\$32.31B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.29B)	\$0.39B	\$0.35B	\$0.09B	\$7.16B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.24B)	\$5.75B	\$6.42B	\$12.43B	\$48.95B
VIG	Vanguard Dividend Appreciation ETF	(\$0.22B)	\$0.32B	\$0.78B	\$0.44B	\$72.78B
IWF	iShares Russell 1000 Growth ETF	(\$0.20B)	\$1.26B	\$1.98B	(\$0.43B)	\$80.54B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.19B)	\$0.19B	(\$0.12B)	(\$0.70B)	\$19.66B

\* 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)
XLC	Communication Services Select Sector SPDR Fund	0.00%	41.27%	3.40%	11.28%	62.84
XLK	Technology Select Sector SPDR Fund	0.00%	44.38%	4.19%	14.00%	67.20
SPY	SPDR S&P 500 ETF Trust	-0.04%	23.65%	2.57%	8.12%	60.41
XLV	Health Care Select Sector SPDR Fund	-1.13%	13.19%	3.94%	5.54%	64.10
XLF	Financial Select Sector SPDR Fund	-1.74%	20.50%	2.18%	8.97%	52.58
XLI	Industrial Select Sector SPDR Fund	-2.11%	15.84%	1.78%	6.35%	52.36
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.51%	25.34%	-0.02%	5.41%	45.22
XLB	Materials Select Sector SPDR Fund	-4.71%	10.33%	-0.86%	1.65%	37.84
XLP	Consumer Staples Select Sector SPDR Fund	-6.76%	9.12%	1.58%	-0.17%	54.94
XLRE	Real Estate Select Sector SPDR Fund	-8.37%	19.07%	0.07%	4.16%	40.89
XLU	Utilities Select Sector SPDR Fund	-12.73%	8.67%	-3.18%	-4.67%	33.73
XLE	Energy Select Sector SPDR Fund	-14.41%	4.33%	-4.55%	-5.56%	33.36

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
SOXQ	Invesco PHLX Semiconductor ETF	3.56%
SOXX	iShares Semiconductor ETF	3.30%
PSI	Invesco Semiconductors ETF	3.25%
FTXL	First Trust Nasdaq Semiconductor ETF	3.18%
XSD	SPDR S&P Semiconductor ETF	3.06%
PSCT	Invesco S&P SmallCap Information Technology ETF	2.52%
XLK	Technology Select Sector SPDR Fund	2.03%
IYT	iShares US Transportation ETF	2.02%
XTN	SPDR S&P Transportation ETF	1.99%
FTEC	Fidelity MSCI Information Technology Index ETF	1.96%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IAK	iShares U.S. Insurance ETF	70.31
KBWP	Invesco KBW Property & Casualty Insurance ETF	69.64
IETC	iShares U.S. Tech Independence Focused ETF	69.28
PINK	Simplify Health Care ETF	68.71
IGM	iShares Expanded Tech Sector ETF	68.24
IGPT	Invesco AI and Next Gen Software ETF	67.31
IYW	iShares U.S. Technology ETF	67.30
XLK	Technology Select Sector SPDR Fund	67.20
IHI	iShares U.S. Medical Devices ETF	66.36
XNTK	SPDR NYSE Technology ETF	65.61

## Sector & Industry 1 Day Performance Laggards

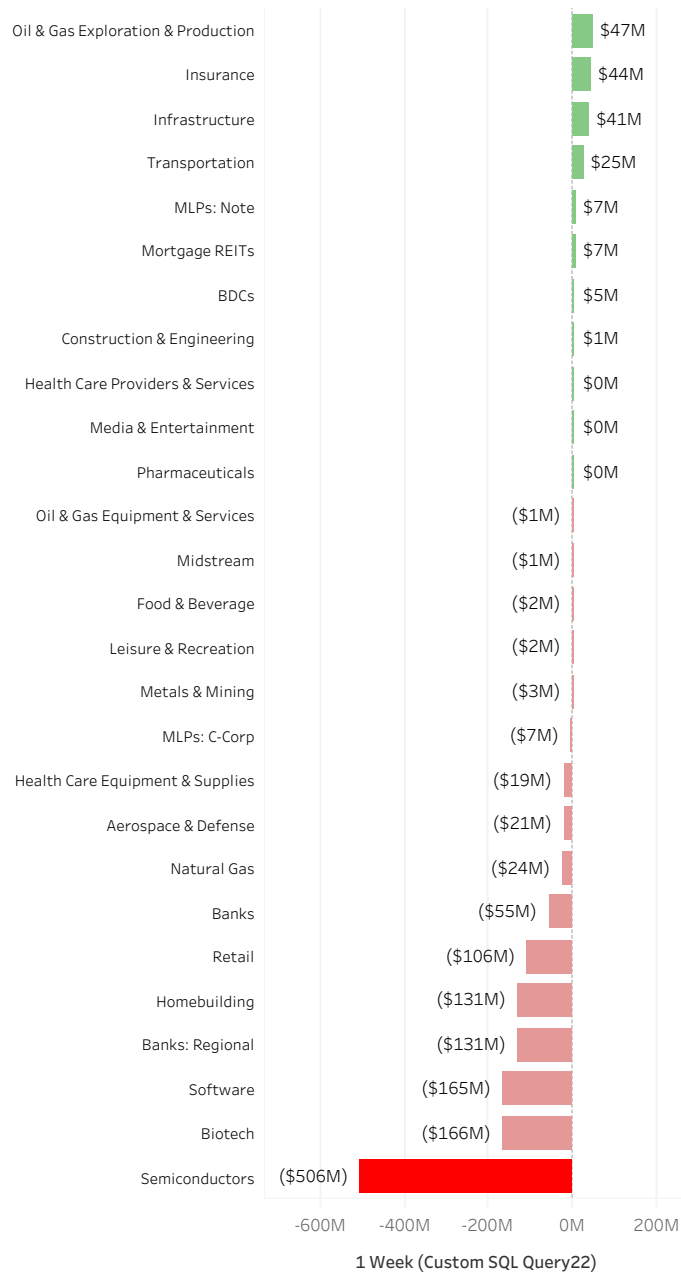
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-1.45%
NETL	NETLease Corporate Real Estate ETF	-1.29%
FUTY	Fidelity MSCI Utilities Index ETF	-1.08%
XLU	Utilities Select Sector SPDR Fund	-1.07%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-1.01%
VPU	Vanguard Utilities ETF	-0.99%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	-0.98%
REZ	iShares Residential and Multisector Real Estate ETF	-0.97%
FXU	First Trust Utilities AlphaDEX Fund	-0.96%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-0.92%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	31.87
FCG	First Trust Natural Gas ETF	32.08
RSPG	Invesco S&P 500 Equal Weight Energy ETF	32.15
FXN	First Trust Energy AlphaDEX Fund	32.49
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	32.87
FTXN	First Trust Nasdaq Oil & Gas ETF	32.93
IYE	iShares U.S. Energy ETF	32.95
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	32.99
VPU	Vanguard Utilities ETF	33.01
FUTY	Fidelity MSCI Utilities Index ETF	33.29

\* 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	\$8M	\$568M	\$1,011M	\$3,488M
Consumer Discretionary	12	\$28B	(\$126M)	\$45M	\$656M	\$2,391M
Consumer Staples	10	\$26B	\$293M	(\$2,892M)	(\$3,921M)	(\$3,597M)
Energy	30	\$67B	(\$173M)	(\$1,843M)	\$926M	(\$7,919M)
Financials	26	\$61B	(\$449M)	\$2,026M	(\$2,269M)	\$1,186M
Health Care	23	\$89B	\$79M	(\$1,923M)	(\$4,926M)	(\$9,739M)
Industrial	13	\$36B	\$313M	\$63M	(\$695M)	\$1,157M
Materials	9	\$12B	(\$15M)	(\$813M)	(\$1,485M)	(\$2,584M)
Multi-Sector	16	\$20B	(\$100M)	(\$182M)	(\$340M)	\$2,267M
Real Estate	25	\$59B	(\$22M)	\$2,135M	\$1,924M	(\$795M)
Technology	23	\$175B	(\$741M)	\$5,707M	\$4,190M	\$7,059M
Utilities	9	\$21B	(\$144M)	(\$313M)	(\$1,536M)	(\$1,406M)

## U.S. Sector & Industry Flow Leaders

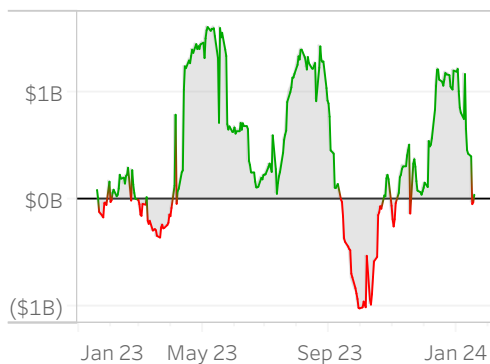
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	\$333M	(\$1,954M)	(\$1,344M)	(\$1,137M)	\$15,533M
XLI	Industrial Select Sector SPDR Fund	\$323M	(\$247M)	(\$818M)	(\$263M)	\$15,296M
XLV	Health Care Select Sector SPDR Fund	\$258M	(\$1,351M)	(\$2,789M)	(\$3,108M)	\$39,449M
XLRE	Real Estate Select Sector SPDR Fund	\$90M	\$919M	\$944M	\$542M	\$5,750M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$53M	\$276M	(\$157M)	(\$488M)	\$3,390M
AIRR	First Trust RBA American Industrial Renaissan..	\$46M	\$137M	\$223M	\$376M	\$660M
SCHH	Schwab U.S. REIT ETF	\$42M	\$21M	\$301M	\$504M	\$6,350M
KIE	SPDR S&P Insurance ETF	\$39M	\$81M	\$214M	\$187M	\$750M
VGT	Vanguard Information Technology ETF	\$36M	\$1,093M	\$967M	\$670M	\$58,834M
IYT	iShares US Transportation ETF	\$26M	(\$62M)	(\$133M)	\$81M	\$898M

## U.S. Sector & Industry Flow Laggards

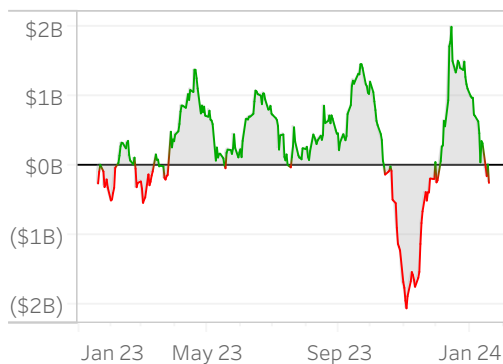
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SOXX	iShares Semiconductor ETF	(\$505M)	(\$86M)	\$217M	\$300M	\$9,968M
XLF	Financial Select Sector SPDR Fund	(\$283M)	\$454M	(\$2,199M)	\$353M	\$34,267M
XLE	Energy Select Sector SPDR Fund	(\$183M)	(\$1,389M)	\$871M	(\$3,015M)	\$34,029M
IGV	iShares Expanded Tech-Software Sector ETF	(\$163M)	\$396M	(\$231M)	\$389M	\$7,406M
IYR	iShares U.S. Real Estate ETF	(\$148M)	\$1,366M	\$1,152M	\$410M	\$4,179M
XLU	Utilities Select Sector SPDR Fund	(\$125M)	\$210M	(\$438M)	(\$133M)	\$13,979M
IBB	iShares Biotechnology ETF	(\$122M)	(\$41M)	(\$252M)	(\$1,267M)	\$7,529M
KRE	SPDR S&P Regional Banking ETF	(\$119M)	\$570M	(\$259M)	\$1,506M	\$3,473M
XRT	SPDR S&P Retail ETF	(\$106M)	(\$87M)	(\$104M)	\$46M	\$372M
XHB	SPDR S&P Homebuilders ETF	(\$70M)	\$115M	(\$90M)	\$76M	\$1,504M

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

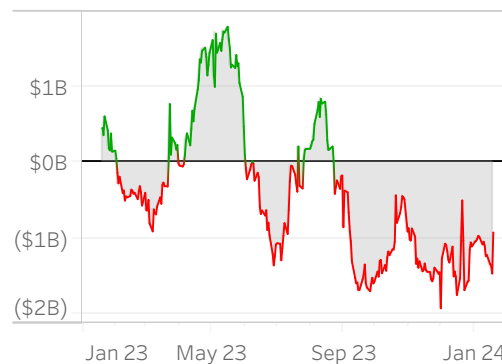
Communication Services



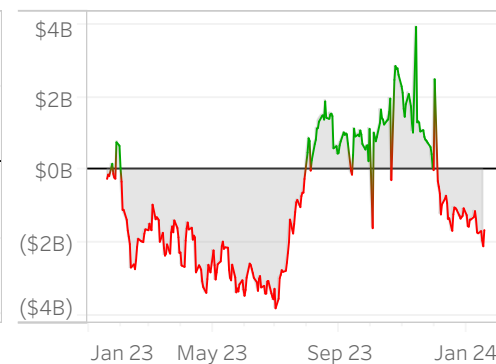
Consumer Discretionary



Consumer Staples



Energy



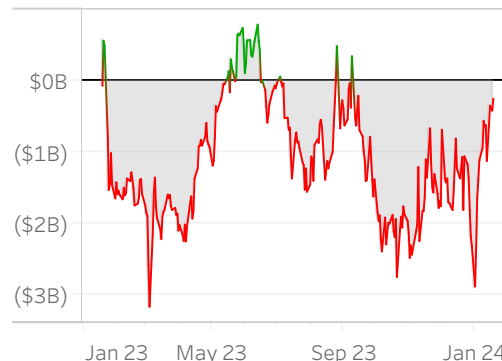
Financials



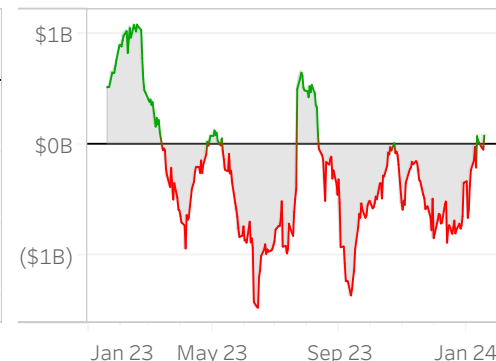
Industrial



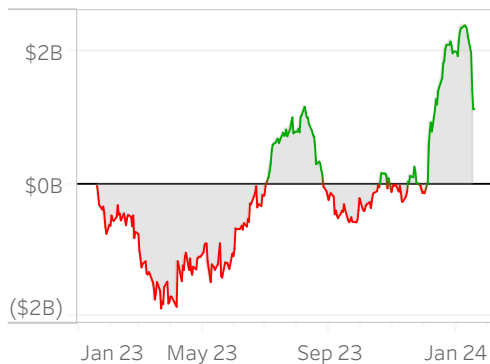
Health Care



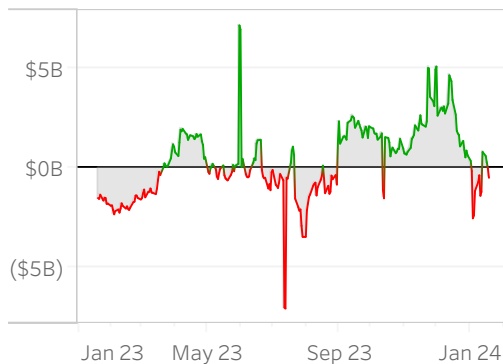
Materials



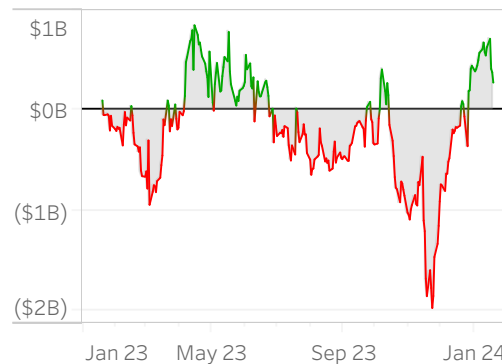
Real Estate



Technology



Utilities

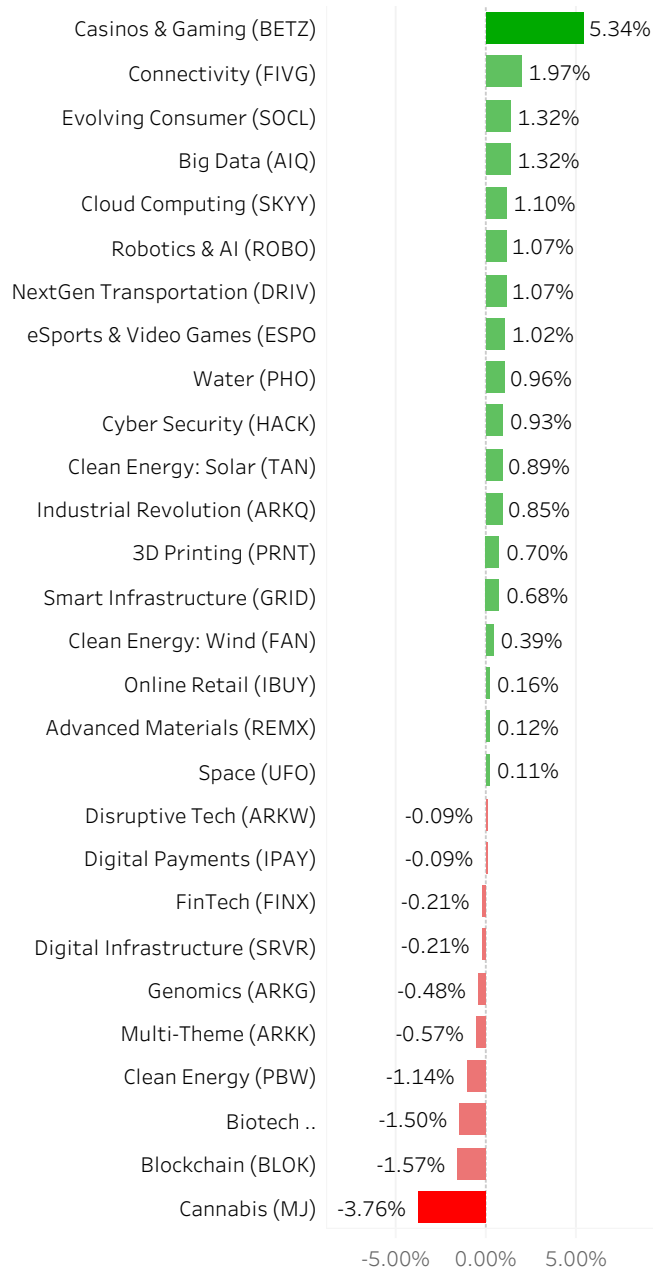


Multi-Sector

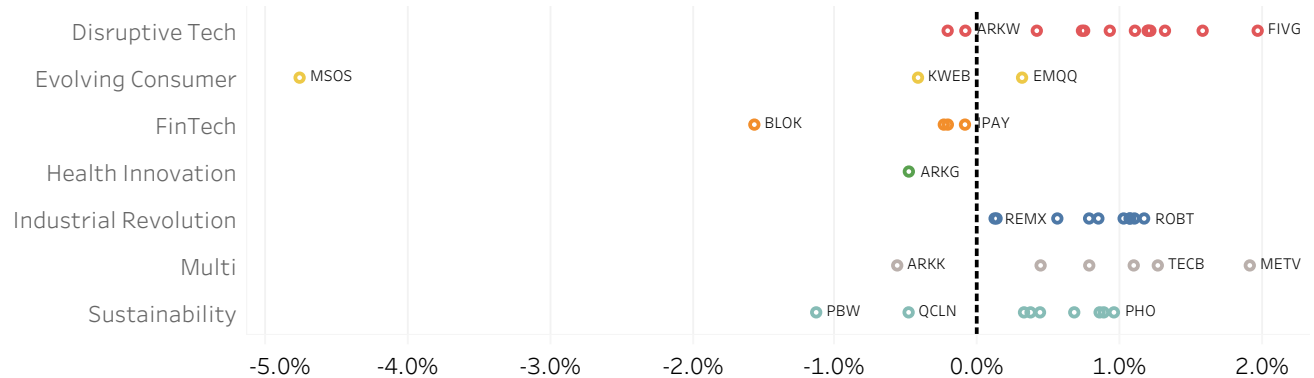


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BETZ	Roundhill Sports Betting & iGaming ETF	5.34%
QTUM	Defiance Quantum ETF	2.03%
FIVG	Defiance Next Gen Connectivity ETF	1.97%
METV	Roundhill Ball Metaverse ETF	1.91%
THNQ	ROBO Global Artificial Intelligence ETF	1.64%
SNSR	Global X Internet of Things ETF	1.58%
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	1.43%
MILN	Global X Millennial Consumer ETF	1.37%
SOCL	Global X Social Media ETF	1.32%
AIQ	Global X Artificial Intelligence & Technology ETF	1.32%

## Thematic Most Overbought

Ticker	Fund	Value
TECB	iShares U.S. Tech Breakthrough Multisector ETF	69.86
HACK	ETFMG Prime Cyber Security ETF	66.93
FIVG	Defiance Next Gen Connectivity ETF	65.63
CIBR	First Trust NASDAQ Cybersecurity ETF	65.39
WCBR	WisdomTree Cybersecurity Fund	63.35
IHAK	iShares Cybersecurity & Tech ETF	61.25
BUG	Global X Cybersecurity ETF	60.80
SKYY	First Trust Cloud Computing ETF	60.66
BETZ	Roundhill Sports Betting & iGaming ETF	59.98
QTUM	Defiance Quantum ETF	59.36

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
WGMJ	Valkyrie Bitcoin Miners ETF	-7.26%
DAPP	VanEck Digital Transformation ETF	-6.17%
MJUS	ETFMG U.S. Alternative Harvest ETF	-6.14%
BKCH	Global X Blockchain ETF	-5.60%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-5.10%
BITQ	Bitwise Crypto Industry Innovators ETF	-4.83%
MSOS	AdvisorShares Pure US Cannabis ETF	-4.77%
MJ	ETFMG Alternative Harvest ETF	-3.76%
BLOK	Amplify Transformational Data Sharing ETF	-1.57%
SBIO	ALPS Medical Breakthroughs ETF	-1.50%

## Thematic Most Oversold

Ticker	Fund	Value
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	22.76
BATT	Amplify Lithium & Battery Technology ETF	23.16
IDRV	iShares Self-driving EV & Tech ETF	23.56
REMX	VanEck Rare Earth/Strategic Metals ETF	24.07
PBW	Invesco WilderHill Clean Energy ETF	25.16
SMOG	VanEck Low Carbon Energy ETF	25.26
ACES	ALPS Clean Energy ETF	25.62
CNRG	SPDR S&P Kensho Clean Power ETF	26.40
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	26.89
ERTH	Invesco MSCI Sustainable Future ETF	27.19

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## Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
BLOK	Amplify Transformational Data Sharing ETF	\$179M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$25M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$20M
CLOU	Global X Cloud Computing ETF	\$20M
SKYY	First Trust Cloud Computing ETF	\$17M
CGW	Invesco S&P Global Water Index ETF	\$16M
HACK	ETFMG Prime Cyber Security ETF	\$15M
MSOS	AdvisorShares Pure US Cannabis ETF	\$15M
IHAK	iShares Cybersecurity & Tech ETF	\$14M
PHO	Invesco Water Resources ETF	\$13M

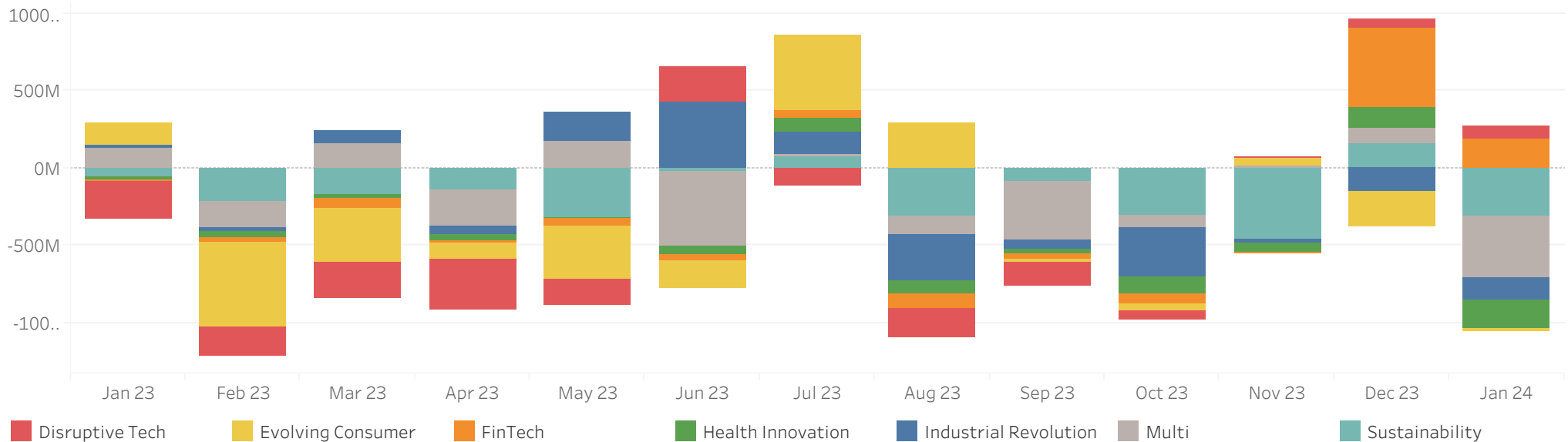
## Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ICLN	iShares Global Clean Energy ETF	(\$147M)
ARKG	ARK Genomic Revolution ETF	(\$143M)
ARKK	ARK Innovation ETF	(\$127M)
TAN	Invesco Solar ETF	(\$65M)
ARKW	ARK Next Generation Internet ETF	(\$24M)
WCLD	WisdomTree Cloud Computing Fund	(\$22M)
FINX	Global X FinTech ETF	(\$19M)
ARKF	ARK Fintech Innovation ETF	(\$15M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$9M)
METV	Roundhill Ball Metaverse ETF	(\$8M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$18B	\$54M	\$133M	(\$316M)	(\$1,296M)
Evolving Consumer	37	\$8B	\$12M	(\$220M)	\$145M	(\$874M)
FinTech	17	\$4B	\$110M	\$679M	\$485M	\$341M
Health Innovation	17	\$2B	(\$101M)	(\$180M)	(\$295M)	(\$431M)
Industrial Revolution	30	\$10B	(\$3M)	(\$400M)	(\$1,026M)	(\$247M)
Multi	35	\$15B	(\$43M)	(\$328M)	(\$1,057M)	(\$1,283M)
Sustainability	40	\$12B	(\$153M)	(\$800M)	(\$1,360M)	(\$2,169M)
Grand Total	209	\$69B	(\$124M)	(\$1,116M)	(\$3,423M)	(\$5,960M)

## Thematic Monthly Flows

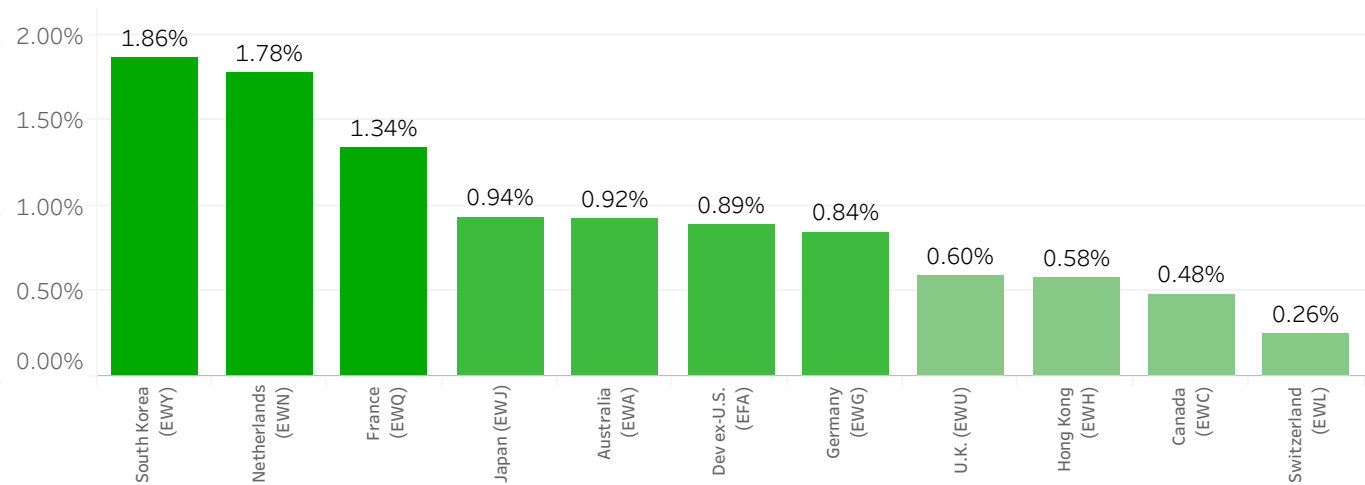


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

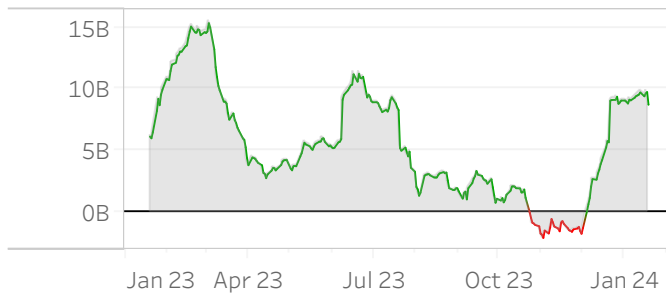
Developed ex-U.S. (EFA)



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



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



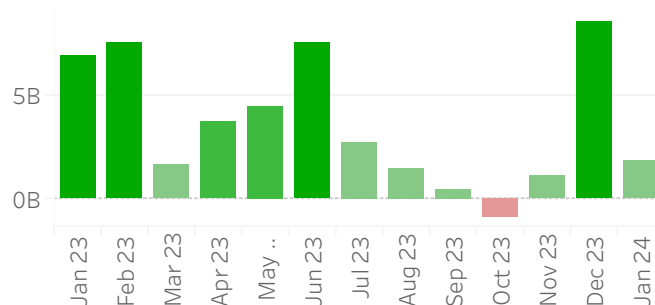
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	4.73%
AIA	iShares Asia 50 ETF	2.16%
EIS	iShares MSCI Israel ETF	2.02%
MINV	Matthews Asia Innovators Active ETF	1.86%
EWY	iShares MSCI South Korea ETF	1.86%
EWN	iShares MSCI Netherlands ETF	1.78%
FLKR	Franklin FTSE South Korea ETF	1.75%
ISRA	VanEck Israel ETF	1.50%
FEZ	SPDR EURO STOXX 50 ETF	1.42%
IMOM	Alpha Architect International Quantitative Momentum ETF	1.37%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	77.36
HEWJ	iShares Currency Hedged MSCI Japan ETF	75.13
DXJ	WisdomTree Japan Hedged Equity Fund	73.53
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	68.97
IMOM	Alpha Architect International Quantitative Momentum ETF	62.70
EWJV	iShares MSCI Japan Value ETF	61.98
EWJ	iShares MSCI Japan ETF	61.56
FLJP	Franklin FTSE Japan ETF	60.24
EIRL	iShares MSCI Ireland ETF	60.06
BBJP	JPMorgan BetaBuilders Japan ETF	59.97

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	-0.13%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	0.04%
EWP	iShares MSCI Spain ETF	0.20%
IDLV	Invesco S&P International Developed Low Volatility ETF	0.22%
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	0.25%
AIVI	WisdomTree International AI Enhanced Value Fund	0.25%
EWL	iShares MSCI Switzerland ETF	0.26%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	0.29%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	0.29%
FSZ	First Trust Switzerland AlphaDEX Fund	0.29%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	28.83
EWY	iShares MSCI South Korea ETF	32.24
FLKR	Franklin FTSE South Korea ETF	32.67
AAXJ	iShares MSCI All Country Asia ex Japan ETF	35.46
AIA	iShares Asia 50 ETF	36.52
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	36.62
EWS	iShares MSCI Singapore ETF	36.76
EWD	iShares MSCI Sweden ETF	36.82
EWP	iShares MSCI Spain ETF	36.96
EPP	iShares MSCI Pacific ex-Japan ETF	37.16

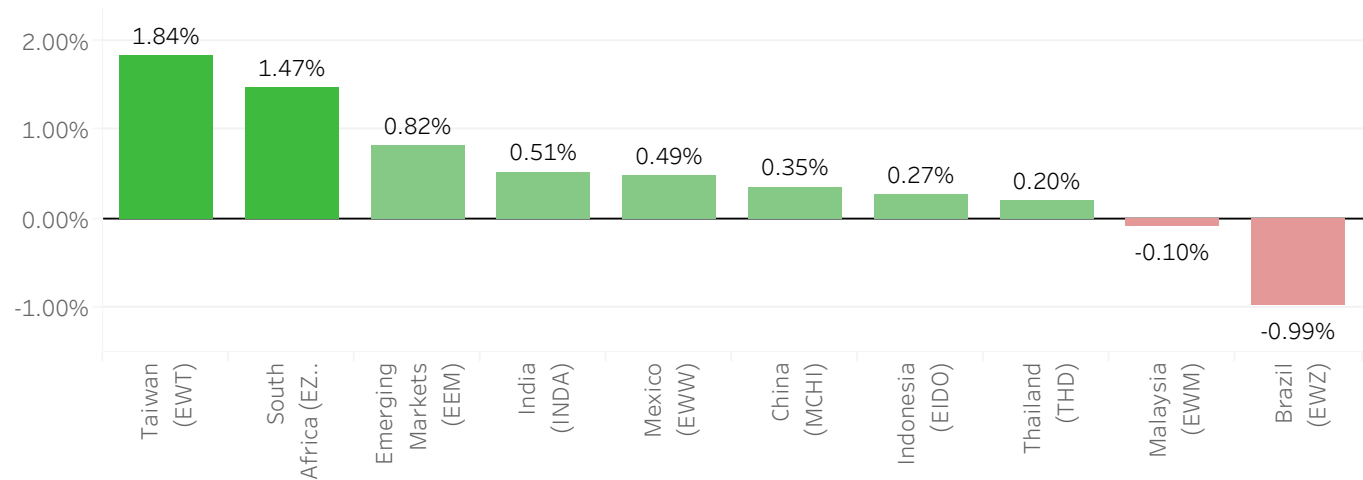
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



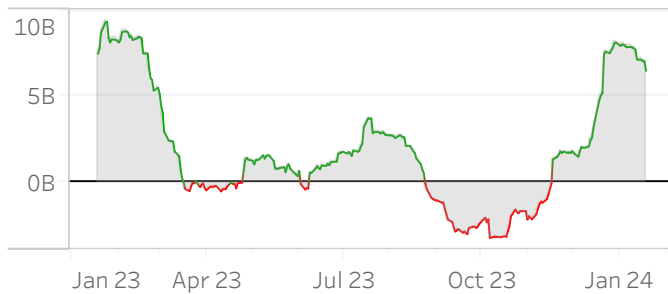
Emerging (EEM)



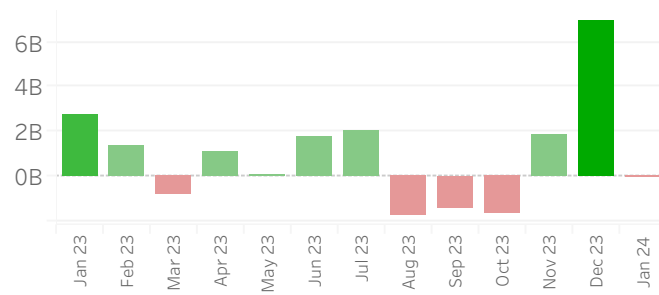
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWT	iShares MSCI Taiwan ETF	1.84%
FLTW	Franklin FTSE Taiwan ETF	1.69%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	1.69%
EZA	iShares MSCI South Africa ETF	1.47%
FRDM	Freedom 100 Emerging Markets ETF	1.40%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	1.22%
EPOL	iShares MSCI Poland ETF	1.22%
KEMX	KraneShares MSCI Emerging Markets EX China Index ETF	1.13%
EMXC	iShares MSCI Emerging Markets ex China ETF	1.12%
GMF	SPDR S&P Emerging Asia Pacific ETF	1.05%

Emerging Most Overbought

Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	75.93
SMIN	iShares MSCI India Small Cap ETF	60.08
EPI	WisdomTree India Earnings Fund	59.75
INDA	iShares MSCI India ETF	56.82
FLIN	Franklin FTSE India ETF	56.50
GLIN	VanEck India Growth Leaders ETF	56.10
FM	iShares Frontier and Select EM ETF	55.86
PIN	Invesco India ETF	53.62
INDY	iShares India 50 ETF	52.28
NFTY	First Trust India NIFTY 50 Equal Weight ETF	52.27

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWZ	iShares MSCI Brazil ETF	-0.99%
KSA	iShares MSCI Saudi Arabia ETF	-0.96%
FLBR	Franklin FTSE Brazil ETF	-0.86%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.85%
EPHE	iShares MSCI Philippines ETF	-0.69%
ECNS	iShares MSCI China Small-Cap ETF	-0.58%
GLIN	VanEck India Growth Leaders ETF	-0.48%
FLLA	Franklin FTSE Latin America ETF	-0.48%
FLN	First Trust Latin America AlphaDEX Fund	-0.46%
EPU	iShares MSCI Peru and Global Exposure ETF	-0.39%

Emerging Most Oversold

Ticker	Fund	Price
ECNS	iShares MSCI China Small-Cap ETF	24.28
PGJ	Invesco Golden Dragon China ETF	26.18
ECH	iShares MSCI Chile ETF	27.77
GXC	SPDR S&P China ETF	28.42
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	29.24
MCHI	iShares MSCI China ETF	29.38
FXI	iShares China Large-Cap ETF	29.98
FLCH	Franklin FTSE China ETF	30.05
CNYA	iShares MSCI China A ETF	30.10
THD	iShares MSCI Thailand ETF	31.39

\*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	-0.09%	-0.50%	-1.26%
SHY	1-3 Year Treasury Bonds	0.05%	0.48%	0.06%
IEF	7-10 Year Treasury Bonds	-0.22%	-0.89%	-1.51%
TLT	20+ Year Treasury Bonds	-0.93%	-4.65%	-5.15%
TIP	TIPS Bonds	0.03%	-0.34%	-0.51%
FLOT	Floating Rate Bonds	0.04%	0.67%	0.41%
LQD	Investment Grade Corporate	-0.19%	-0.93%	-1.61%
HYG	High Yield Corporate	0.21%	0.08%	-0.45%
BKLN	Senior Loan	-0.05%	0.52%	-0.09%
PFF	Preferred & Income Securities	-0.26%	0.97%	0.19%
MUB	Municipal Bonds	-0.36%	-0.32%	-0.76%
MBB	MBS	-0.14%	-0.30%	-1.45%
EMB	Dollar Denominated EM Bonds	0.10%	-1.49%	-1.81%
LEMB	Local Currency EM Bond	0.36%	-0.58%	-1.39%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.84%	-1.70%	-1.15%
DBE	Energy	0.82%	-0.45%	2.71%
USO	WTI Crude Oil	1.65%	1.42%	3.62%
BNO	Brent Crude Oil	1.19%	1.22%	3.00%
UNG	Natural Gas	-4.47%	13.70%	9.66%
UGA	Gasoline	1.64%	0.02%	3.29%
DBP	Precious Metals	0.56%	-1.31%	-2.62%
GLD	Gold	0.82%	-0.26%	-1.99%
SLV	Silver	0.77%	-4.54%	-4.45%
PPLT	abrdn Physical Platin..	2.33%	-4.10%	-8.33%
PALL	abrdn Physical Palla..	2.55%	-20.31%	-14.08%
DBB	Base Metals	-0.06%	-3.00%	-6.45%
CPER	Copper	0.64%	-1.80%	-3.02%
DBA	Agriculture	1.16%	-0.81%	0.53%
CORN	Corn	0.25%	-6.78%	-5.66%
SOYB	Soybeans	0.59%	-8.56%	-5.44%
WEAT	Wheat	0.18%	-4.43%	-6.03%
CANE	Sugar	2.67%	7.47%	7.95%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.11%	1.46%	2.40%
UDN	Short Dollar	-0.22%	-0.66%	-2.01%
FXE	Euro	-0.11%	-0.29%	-1.44%
FXB	British Pound Sterling	0.18%	0.75%	-0.17%
FXF	Swiss Franc	-0.43%	-0.13%	-3.15%
FXJ	Japanese Yen	0.02%	-3.64%	-4.95%
FXC	Canadian Dollar	0.11%	-0.61%	-1.76%
FXA	Australian Dollar	0.27%	-1.83%	-3.50%

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