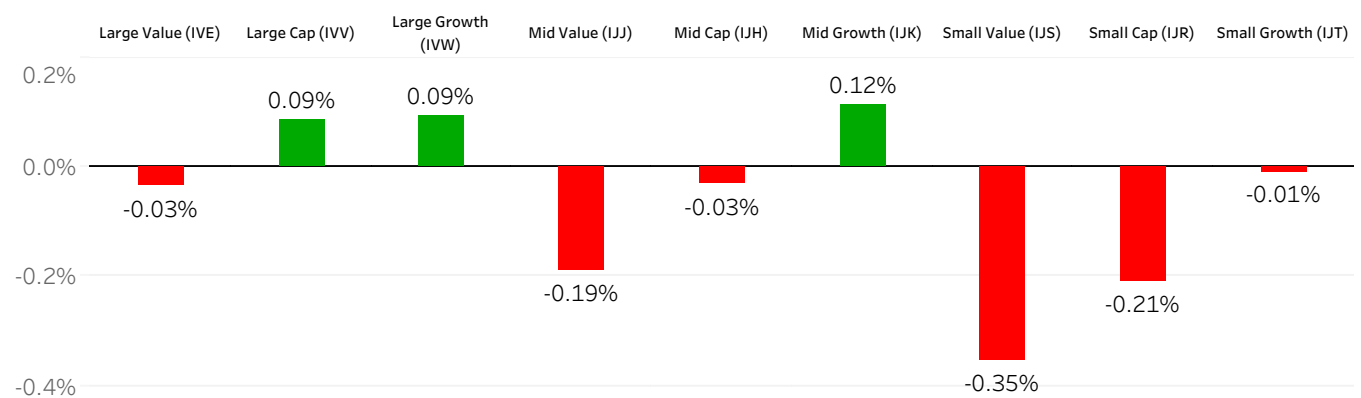


Large Cap Blend (S&P 500) IVV



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
QLV	FlexShares US Quality Low Volatility Index Fund	0.61%
HDV	iShares Core High Dividend ETF	0.54%
SMIG	AAM Bahl & Gaynor Small/Mid Cap Income Growth ETF	0.52%
FDLO	Fidelity Low Volatility Factor ETF	0.51%
VFMV	Vanguard U.S. Minimum Volatility ETF	0.51%
FTCS	First Trust Capital Strength ETF	0.50%
USMV	iShares MSCI USA Min Vol Factor ETF	0.48%
DIV	Global X SuperDividend US ETF	0.47%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	0.46%
SPLV	Invesco S&P 500 Low Volatility ETF	0.45%

Size & Style Most Overbought

Ticker	Fund	Price
SIXA	ETC 6 Meridian Mega Cap Equity ETF	76.50
SPMO	Invesco S&P 500 Momentum ETF	73.58
QLV	FlexShares US Quality Low Volatility Index Fund	71.11
MBCC	Monarch Blue Chips Core ETF	70.26
PWB	Invesco Large Cap Growth ETF	69.92
USMF	WisdomTree U.S. Multifactor Fund	69.89
OUSA	ALPS O'Shares U.S. Quality Dividend ETF	69.07
SHE	SPDR MSCI USA Gender Diversity ETF	68.67
JQUA	JPMorgan U.S. Quality Factor ETF	68.31
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	68.07

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-1.34%
RPV	Invesco S&P 500 Pure Value ETF	-1.24%
BUZZ	VanEck Social Sentiment ETF	-1.23%
ALTL	Pacer Lunt Large Cap Alternator ETF	-1.01%
SPHB	Invesco S&P 500 High Beta ETF	-1.00%
RPHS	Regents Park Hedged Market Strategy ETF	-0.89%
RFV	Invesco S&P Midcap 400 Pure Value ETF	-0.75%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-0.71%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-0.69%
ACSI	American Customer Satisfaction ETF	-0.65%

Size & Style Most Oversold

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	29.01
CSF	VictoryShares US Discovery Enhanced Volatility Wt..	37.52
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	41.38
FDM	First Trust Dow Jones Select MicroCap Index Fund	41.88
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	42.26
CSB	VictoryShares US Small Cap High Dividend Volatility ..	43.30
IPO	Renaissance IPO ETF	44.26
XSVM	Invesco S&P SmallCap Value with Momentum ETF	44.34
SVAL	iShares US Small Cap Value Factor ETF	44.71
MGMT	Ballast Small/Mid Cap ETF	44.93

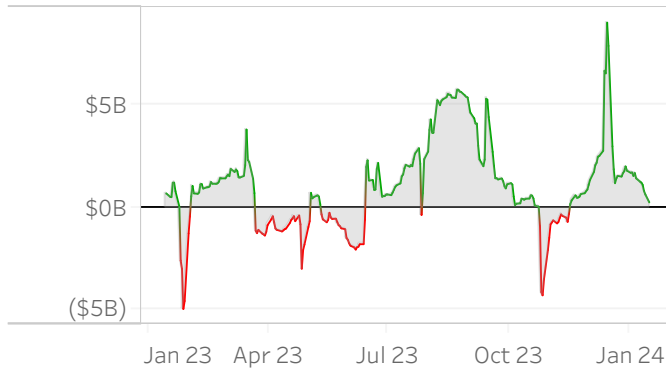
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

\*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	\$1,680B	(\$4.14B)	\$87.37B	\$109.96B	\$157.73B
Large Cap, Beta, Beta: Growth	10	\$320B	(\$0.65B)	\$6.71B	\$12.34B	\$16.20B
Large Cap, Beta, Beta: Value	11	\$240B	(\$1.36B)	\$4.07B	\$5.36B	(\$1.92B)
Mid Cap, Beta, Beta	10	\$208B	(\$0.14B)	(\$0.05B)	\$5.80B	\$7.11B
Mid Cap, Beta, Beta: Growth	6	\$39B	(\$0.04B)	\$0.77B	\$0.63B	\$1.09B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.16B)	(\$0.17B)	(\$0.64B)	(\$2.40B)
Small Cap, Beta, Beta	11	\$225B	(\$0.72B)	\$13.27B	\$15.05B	\$20.03B
Small Cap, Beta, Beta: Growth	7	\$36B	(\$0.06B)	\$1.42B	\$1.45B	\$1.25B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.07B)	\$1.11B	\$0.35B	(\$0.73B)

U.S. Size & Style Flow Leaders

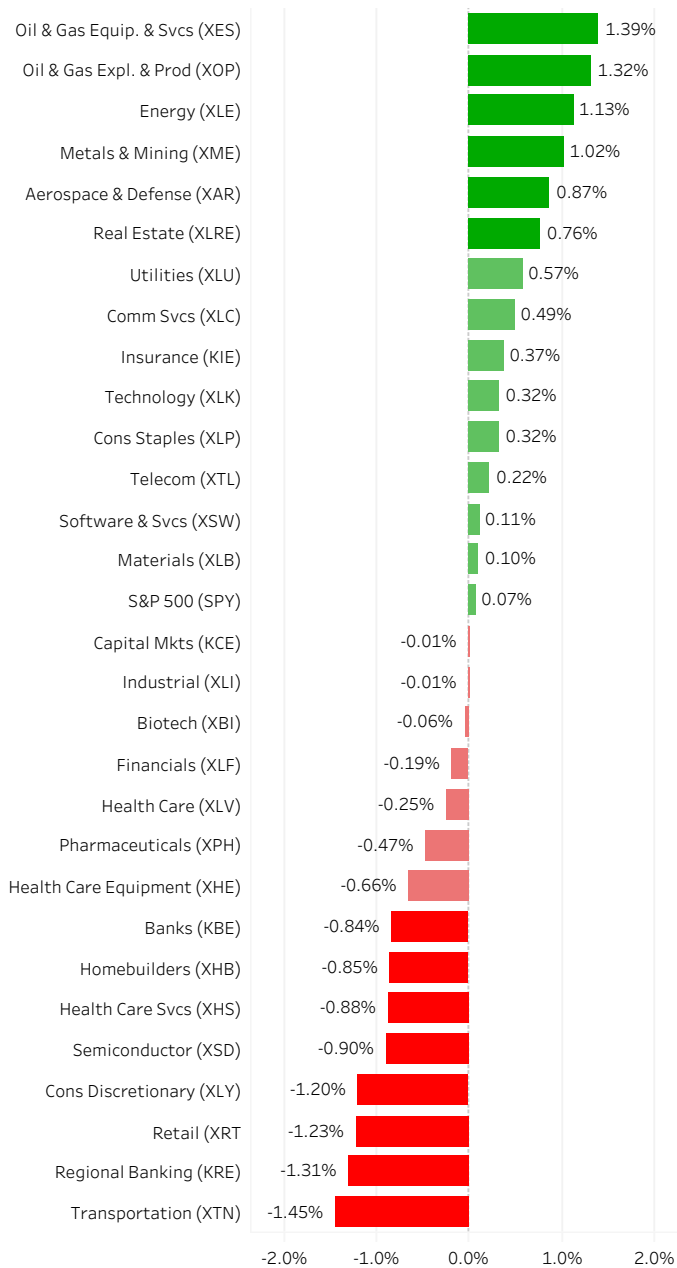
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$1.09B	\$12.90B	\$24.87B	\$46.29B	\$377.78B
QQQ	Invesco QQQ Trust Series I	\$0.86B	\$4.12B	\$5.88B	\$12.85B	\$232.71B
VTI	Vanguard Total Stock Market ETF	\$0.58B	\$5.76B	\$13.66B	\$22.38B	\$348.75B
QQQM	Invesco NASDAQ 100 ETF	\$0.52B	\$2.26B	\$3.83B	\$8.95B	\$19.17B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.37B	\$4.50B	\$5.70B	\$7.76B	\$26.41B
IJR	iShares Core S&P Small Cap ETF	\$0.24B	\$1.56B	\$2.32B	\$3.39B	\$75.00B
CALF	Pacer US Small Cap Cash Cows 100 ETF	\$0.22B	\$2.69B	\$3.64B	\$4.71B	\$6.99B
SPHQ	Invesco S&P 500 Quality ETF	\$0.18B	\$0.42B	\$1.11B	\$2.23B	\$7.01B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.17B	\$1.77B	\$1.10B	\$11.24B	\$36.52B
COWZ	Pacer US Cash Cows 100 ETF	\$0.17B	\$2.39B	\$4.12B	\$6.41B	\$18.63B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$0.99B)	\$8.35B	\$7.68B	\$7.11B	\$64.03B
IWD	iShares Russell 1000 Value ETF	(\$0.97B)	\$0.44B	(\$0.27B)	(\$4.47B)	\$52.79B
SUSA	iShares MSCI USA ESG Select ETF	(\$0.55B)	(\$0.36B)	\$0.50B	\$0.79B	\$4.76B
IWF	iShares Russell 1000 Growth ETF	(\$0.36B)	\$1.25B	\$1.95B	(\$1.08B)	\$81.15B
VTV	Vanguard Value ETF	(\$0.33B)	(\$0.38B)	\$0.93B	\$0.00B	\$105.68B
IWV	iShares Russell 3000 ETF	(\$0.27B)	\$0.53B	\$0.49B	(\$0.36B)	\$12.82B
VIG	Vanguard Dividend Appreciation ETF	(\$0.25B)	\$0.61B	\$0.90B	\$0.48B	\$73.41B
IWB	iShares Russell 1000 ETF	(\$0.21B)	(\$0.41B)	(\$0.79B)	(\$1.72B)	\$32.30B
HDV	iShares Core High Dividend ETF	(\$0.19B)	(\$0.53B)	(\$0.62B)	(\$2.75B)	\$10.03B
VONG	Vanguard Russell 1000 Growth ETF	(\$0.17B)	\$1.23B	\$2.13B	\$3.46B	\$17.06B

\* 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%	23.70%	3.31%	8.48%	63.94
XLC	Communication Services Select Sector SPDR Fund	0.00%	41.24%	4.08%	11.74%	66.73
XLV	Health Care Select Sector SPDR Fund	-0.32%	14.11%	5.56%	6.50%	74.38
XLK	Technology Select Sector SPDR Fund	-0.43%	43.37%	3.18%	12.59%	61.01
XLF	Financial Select Sector SPDR Fund	-1.03%	21.37%	3.77%	10.08%	59.27
XLI	Industrial Select Sector SPDR Fund	-1.77%	16.25%	2.89%	6.96%	55.38
XLB	Materials Select Sector SPDR Fund	-3.20%	12.07%	1.22%	3.31%	46.01
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.11%	25.88%	0.99%	6.22%	46.55
XLRE	Real Estate Select Sector SPDR Fund	-5.47%	22.83%	4.22%	7.54%	54.70
XLP	Consumer Staples Select Sector SPDR Fund	-6.06%	9.94%	2.77%	0.49%	62.94
XLU	Utilities Select Sector SPDR Fund	-9.50%	12.69%	0.57%	-1.37%	48.22
XLE	Energy Select Sector SPDR Fund	-11.44%	7.95%	-1.51%	-2.41%	43.95

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXJ	Invesco Oil & Gas Services ETF	1.82%
FXN	First Trust Energy AlphaDEX Fund	1.54%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.48%
PXE	Invesco Energy Exploration & Production ETF	1.47%
FCG	First Trust Natural Gas ETF	1.41%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.39%
FTXN	First Trust Nasdaq Oil & Gas ETF	1.35%
VDE	Vanguard Energy ETF	1.32%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	1.32%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	1.31%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IHE	iShares U.S. Pharmaceuticals ETF	75.70
IYH	iShares U.S. Healthcare ETF	74.42
XLV	Health Care Select Sector SPDR Fund	74.38
VHT	Vanguard Health Care ETF	72.04
FHLC	Fidelity MSCI Health Care Index ETF	71.32
IHI	iShares U.S. Medical Devices ETF	69.20
PINK	Simplify Health Care ETF	69.05
IAK	iShares U.S. Insurance ETF	67.95
XLC	Communication Services Select Sector SPDR Fund	66.73
IETC	iShares U.S. Tech Independence Focused ETF	65.75

## Sector & Industry 1 Day Performance Laggards

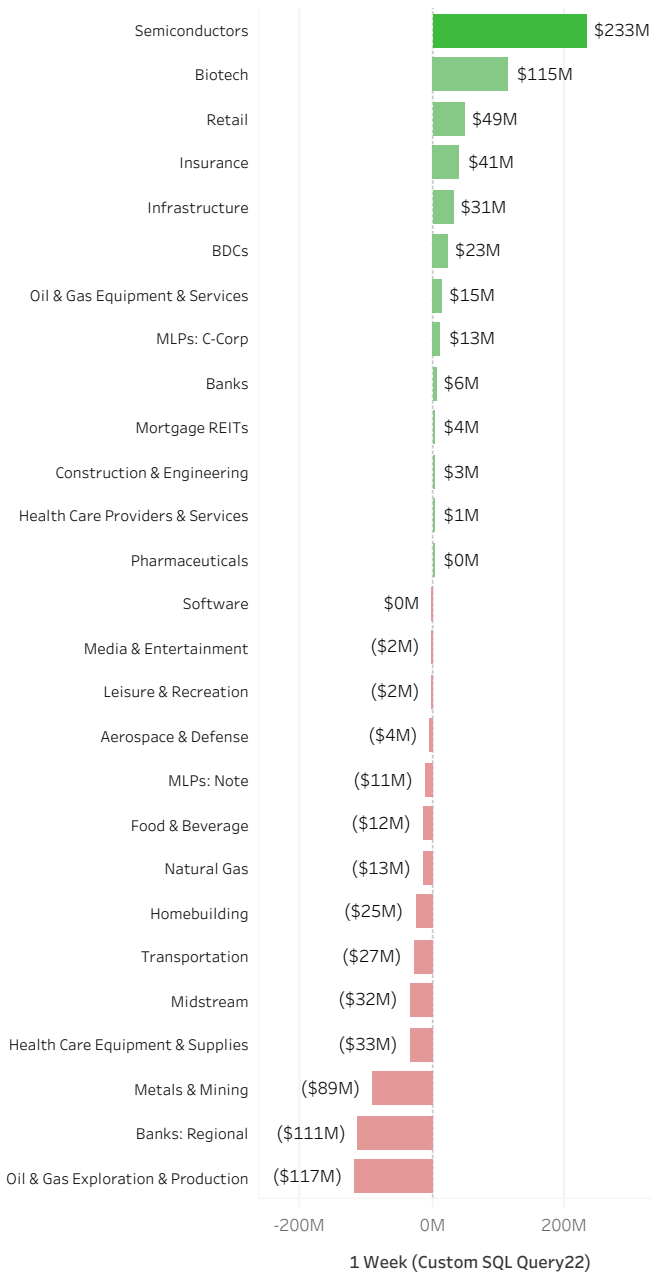
Ticker	Fund	1 Day Performance
FXD	First Trust Consumer Discretionary AlphaDEX Fund	-1.49%
IAT	iShares U.S. Regional Banks ETF	-1.45%
XTN	SPDR S&P Transportation ETF	-1.45%
RSPD	Invesco S&P 500 Equal Weight Consumer Discretionar..	-1.39%
IHF	iShares U.S. Healthcare Providers ETF	-1.38%
KRE	SPDR S&P Regional Banking ETF	-1.31%
FTXO	First Trust Nasdaq Bank ETF	-1.30%
KBWR	Invesco KBW Regional Banking ETF	-1.28%
XRT	SPDR S&P Retail ETF	-1.23%
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.20%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PSCE	Invesco S&P SmallCap Energy ETF	38.04
IEZ	iShares U.S. Oil Equipment & Services ETF	38.51
XES	SPDR S&P Oil & Gas Equipment & Services ETF	39.25
RSPG	Invesco S&P 500 Equal Weight Energy ETF	42.58
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	42.80
FXZ	First Trust Materials AlphaDEX Fund	43.14
FCG	First Trust Natural Gas ETF	43.17
XTN	SPDR S&P Transportation ETF	43.29
KBWY	Invesco KBW Premium Yield Equity REIT ETF	43.52
IYE	iShares U.S. Energy ETF	43.67

\*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	(\$95M)	\$765M	\$1,365M	\$3,427M
Consumer Discretionary	12	\$28B	(\$181M)	\$398M	\$1,162M	\$2,537M
Consumer Staples	10	\$25B	(\$177M)	(\$2,633M)	(\$4,476M)	(\$3,955M)
Energy	30	\$69B	(\$408M)	(\$931M)	\$1,087M	(\$7,689M)
Financials	26	\$63B	\$561M	\$2,459M	(\$986M)	\$998M
Health Care	23	\$90B	\$141M	(\$1,956M)	(\$4,671M)	(\$9,249M)
Industrial	13	\$36B	(\$318M)	(\$201M)	(\$370M)	\$551M
Materials	9	\$12B	\$51M	(\$643M)	(\$1,138M)	(\$2,489M)
Multi-Sector	16	\$20B	\$152M	(\$139M)	(\$54M)	\$2,354M
Real Estate	25	\$60B	(\$153M)	\$2,235M	\$2,038M	(\$831M)
Technology	23	\$176B	\$928M	\$5,447M	\$5,629M	\$7,318M
Utilities	9	\$22B	\$234M	(\$654M)	(\$1,227M)	(\$1,321M)

## U.S. Sector & Industry Flow Leaders

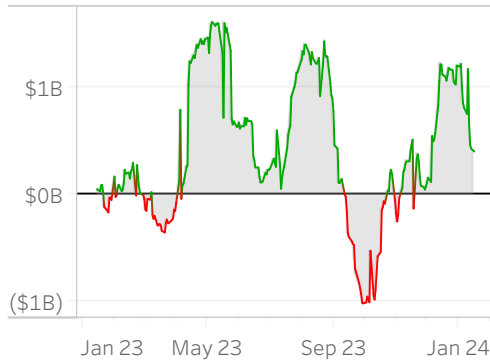
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$674M	\$1,031M	(\$1,499M)	\$293M	\$34,943M
XLK	Technology Select Sector SPDR Fund	\$382M	\$2,340M	\$2,612M	\$987M	\$58,288M
XLU	Utilities Select Sector SPDR Fund	\$226M	(\$19M)	(\$377M)	(\$106M)	\$14,387M
SOXX	iShares Semiconductor ETF	\$225M	\$299M	\$646M	\$553M	\$10,473M
VGT	Vanguard Information Technology ETF	\$168M	\$938M	\$1,259M	\$559M	\$58,911M
XLB	Materials Select Sector SPDR Fund	\$164M	(\$26M)	(\$305M)	(\$308M)	\$5,617M
FDN	First Trust Dow Jones Internet Index Fund	\$149M	(\$358M)	(\$409M)	\$586M	\$6,037M
IYW	iShares U.S. Technology ETF	\$92M	\$1,423M	(\$402M)	\$866M	\$14,223M
XBI	SPDR S&P BIOTECH ETF	\$89M	\$472M	\$184M	(\$1,832M)	\$7,127M
XLRE	Real Estate Select Sector SPDR Fund	\$55M	\$941M	\$841M	\$440M	\$5,760M

## U.S. Sector & Industry Flow Laggards

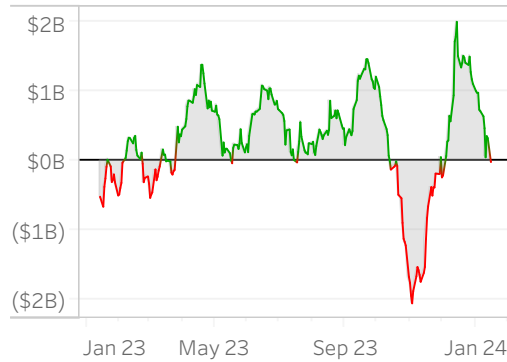
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$298M)	(\$680M)	(\$765M)	(\$892M)	\$15,233M
XLE	Energy Select Sector SPDR Fund	(\$242M)	(\$591M)	\$761M	(\$2,690M)	\$34,902M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$211M)	\$563M	\$1,146M	\$1,222M	\$18,587M
VFH	Vanguard Financials ETF	(\$113M)	(\$81M)	\$187M	(\$320M)	\$9,066M
KRE	SPDR S&P Regional Banking ETF	(\$111M)	\$570M	(\$128M)	\$1,350M	\$3,716M
XLP	Consumer Staples Select Sector SPDR Fund	(\$109M)	(\$1,709M)	(\$2,147M)	(\$1,635M)	\$15,245M
XLC	Communication Services Select Sector SPDR Fu..	(\$106M)	\$903M	\$1,113M	\$3,132M	\$16,091M
VNQ	Vanguard Real Estate ETF	(\$100M)	(\$358M)	(\$309M)	(\$1,409M)	\$33,103M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$94M)	\$285M	(\$174M)	(\$603M)	\$3,438M
XME	SPDR S&P Metals & Mining ETF	(\$89M)	(\$33M)	(\$204M)	(\$545M)	\$1,825M

\* 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



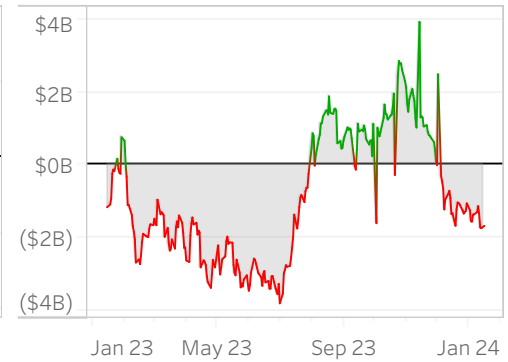
Consumer Discretionary



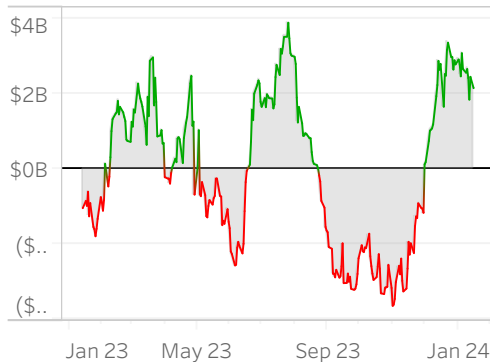
Consumer Staples



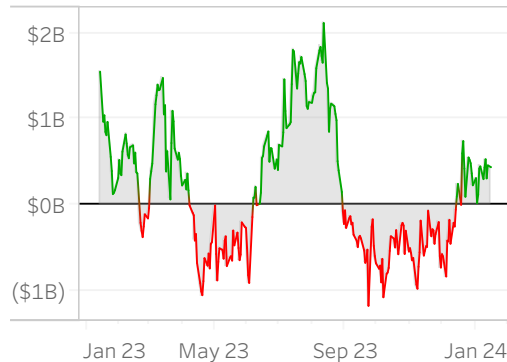
Energy



Financials



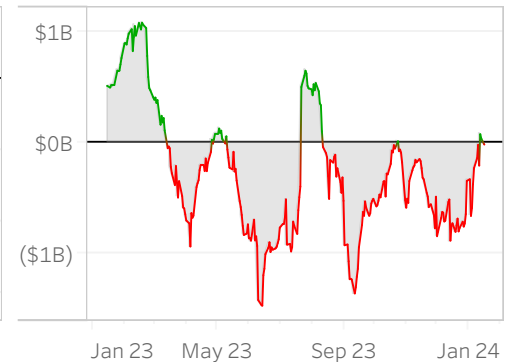
Industrial



Health Care



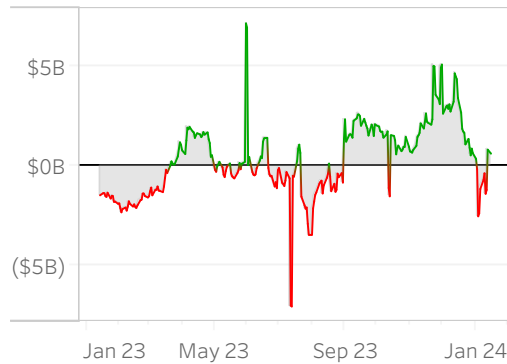
Materials



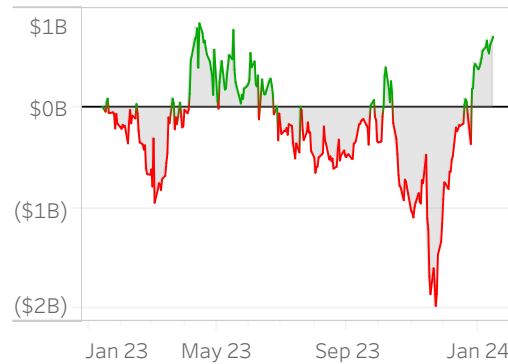
Real Estate



Technology



Utilities

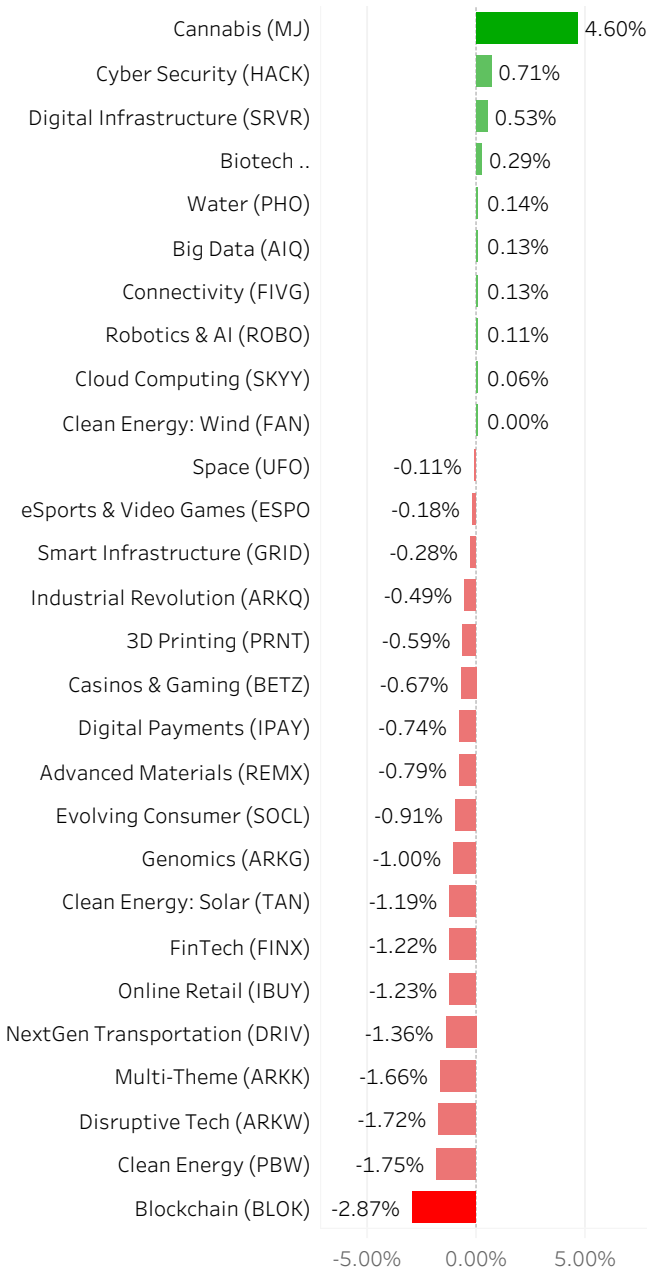


Multi-Sector

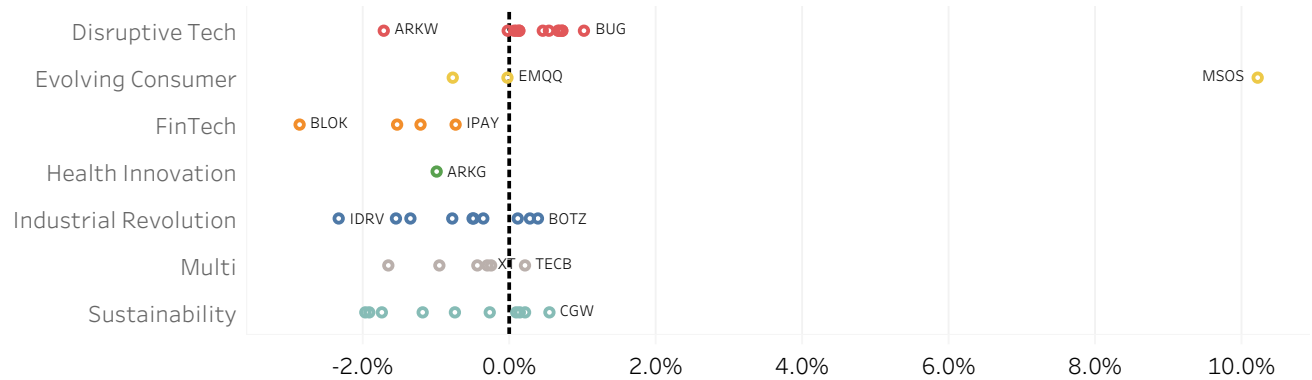


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	10.22%
MJUS	ETFMG U.S. Alternative Harvest ETF	8.78%
MJ	ETFMG Alternative Harvest	4.60%
BUG	Global X Cybersecurity ETF	1.01%
SAMT	Strategas Macro Thematic Opportunities ETF	0.81%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	0.77%
WCBR	WisdomTree Cybersecurity Fund	0.75%
NXTG	First Trust Indxx NextG ETF	0.72%
HACK	ETFMG Prime Cyber Security	0.71%
IHAK	iShares Cybersecurity & Tech ETF	0.67%

Thematic Most Overbought

Ticker	Fund	Price
HACK	ETFMG Prime Cyber Security	71.56
TECB	iShares U.S. Tech Breakthrough	69.45
CIBR	First Trust NASDAQ Cybersecurity	69.24
IHAK	iShares Cybersecurity & Tech	68.70
AGNG	Global X Aging Population	68.06
BUG	Global X Cybersecurity	67.71
WCBR	WisdomTree Cybersecurity	65.64
MJUS	ETFMG U.S. Alternative Harvest	65.59
BOTZ	Global X Robotics & Artificial Intelligence	64.46
MSOS	AdvisorShares Pure US Cannabis	64.42

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
WGM I	Valkyrie Bitcoin Miners	-11.21%
BKCH	Global X Blockchain	-9.27%
DAPP	VanEck Digital Transformation	-8.95%
BITQ	Bitwise Crypto Industry Innovators	-8.67%
FDIG	Fidelity Crypto Industry and Digital Payments	-8.52%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy	-4.18%
BLOK	Amplify Transformational Data Sharing	-2.87%
IDRV	iShares Self-driving EV & Tech	-2.34%
ACES	ALPS Clean Energy	-1.97%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index	-1.92%

Thematic Most Oversold

Ticker	Fund	Price
BATT	Amplify Lithium & Battery Technology	31.66
IDRV	iShares Self-driving EV & Tech	31.85
REMX	VanEck Rare Earth/Strategic Metals	32.05
PBW	Invesco WilderHill Clean Energy	32.13
KARS	KraneShares Electric Vehicles & Future Mobility	32.44
ACES	ALPS Clean Energy	33.73
QCLN	First Trust Nasdaq Clean Edge Green Energy Index	33.80
CNRG	SPDR S&P Kensho Clean Power	34.95
CTEC	Global X CleanTech	35.82
PBD	Invesco Global Clean Energy	37.30

\* 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	
BLOK	Amplify Transformational Data Sharing ETF	\$72M
CLOU	Global X Cloud Computing ETF	\$31M
SKYY	First Trust Cloud Computing ETF	\$30M
AIQ	Global X Artificial Intelligence & Technology ETF	\$23M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$20M
WGMI	Valkyrie Bitcoin Miners ETF	\$10M
SPRX	Spear Alpha ETF	\$9M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$9M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$8M
MSOS	AdvisorShares Pure US Cannabis ETF	\$7M

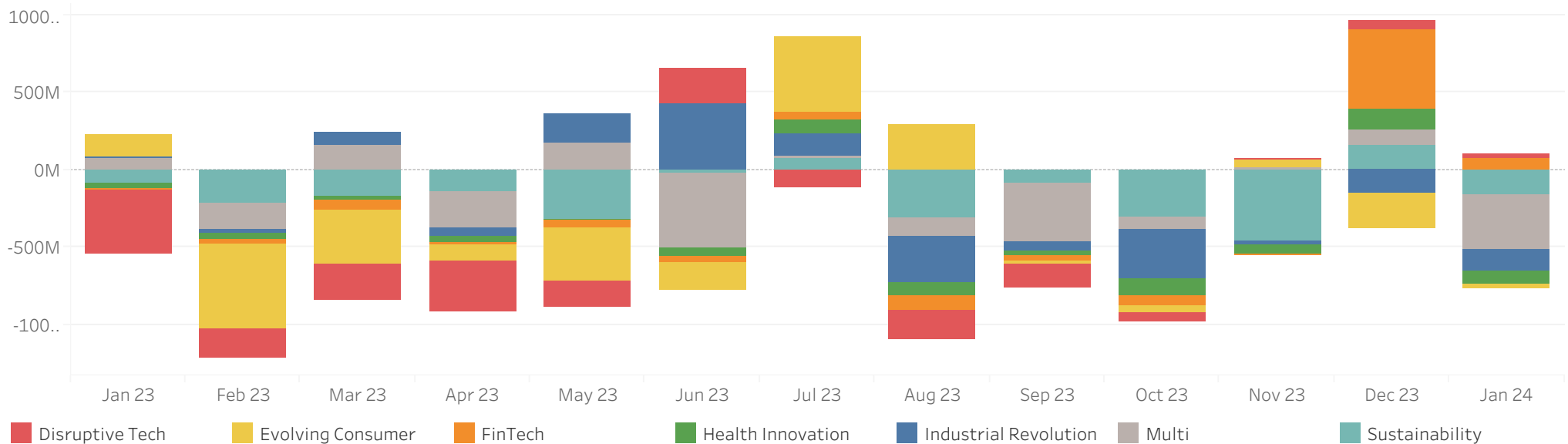
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$79M)
ARKG	ARK Genomic Revolution ETF	(\$67M)
ICLN	iShares Global Clean Energy ETF	(\$66M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$48M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$20M)
XT	iShares Exponential Technologies ETF	(\$17M)
ARKW	ARK Next Generation Internet ETF	(\$14M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$14M)
WCLD	WisdomTree Cloud Computing Fund	(\$13M)
PBW	Invesco WilderHill Clean Energy ETF	(\$8M)

## Thematic Landscape Assets & Flows

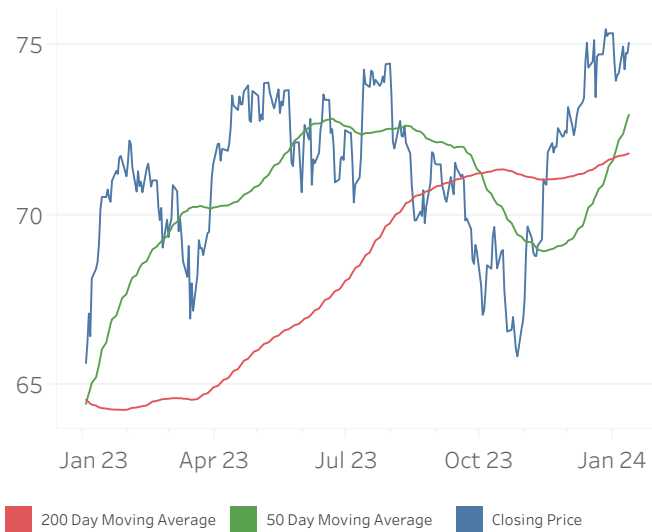
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$19B	\$37M	\$38M	(\$460M)	(\$1,523M)
Evolving Consumer	37	\$8B	(\$11M)	(\$271M)	\$291M	(\$888M)
FinTech	17	\$4B	\$83M	\$563M	\$387M	\$227M
Health Innovation	17	\$3B	(\$64M)	(\$91M)	(\$169M)	(\$346M)
Industrial Revolution	30	\$10B	\$2M	(\$497M)	(\$981M)	(\$253M)
Multi	35	\$16B	(\$104M)	(\$367M)	(\$1,063M)	(\$1,296M)
Sustainability	40	\$13B	(\$69M)	(\$694M)	(\$1,205M)	(\$2,045M)
Grand Total	209	\$72B	(\$126M)	(\$1,318M)	(\$3,201M)	(\$6,123M)

## Thematic Monthly Flows

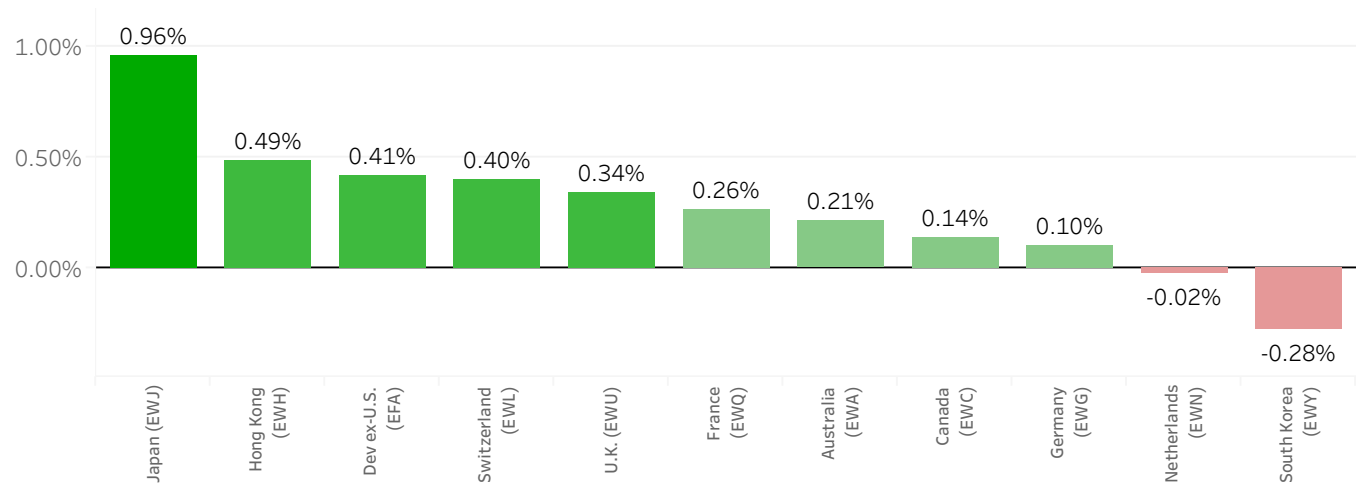


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



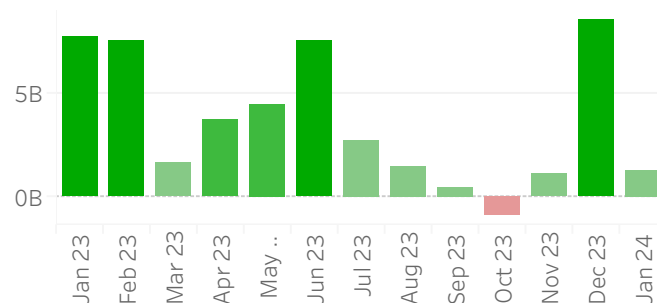
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FICS	First Trust International Developed Capital Strength ETF	0.98%
EWJ	iShares MSCI Japan ETF	0.96%
JPXN	iShares JPX-Nikkei 400 ETF	0.93%
BBJP	JPMorgan BetaBuilders Japan ETF	0.91%
FLJP	Franklin FTSE Japan ETF	0.87%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	0.84%
NORW	Global X MSCI Norway ETF	0.75%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.71%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.71%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.70%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	79.24
HEWJ	iShares Currency Hedged MSCI Japan ETF	76.30
EDEN	iShares MSCI Denmark ETF	74.87
DXJ	WisdomTree Japan Hedged Equity Fund	72.02
FLJP	Franklin FTSE Japan ETF	71.56
EWJ	iShares MSCI Japan ETF	71.54
JPXN	iShares JPX-Nikkei 400 ETF	70.69
BBJP	JPMorgan BetaBuilders Japan ETF	68.86
IMOM	Alpha Architect International Quantitative Momentum ETF	68.06
FICS	First Trust International Developed Capital Strength ETF	67.93

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWO	iShares MSCI Austria ETF	-0.51%
FLKR	Franklin FTSE South Korea ETF	-0.28%
EWY	iShares MSCI South Korea ETF	-0.28%
ISRA	VanEck Israel ETF	-0.22%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.14%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.13%
EIRL	iShares MSCI Ireland ETF	-0.11%
EIS	iShares MSCI Israel ETF	-0.05%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.05%
IDOG	ALPS International Sector Dividend Dogs ETF	-0.04%

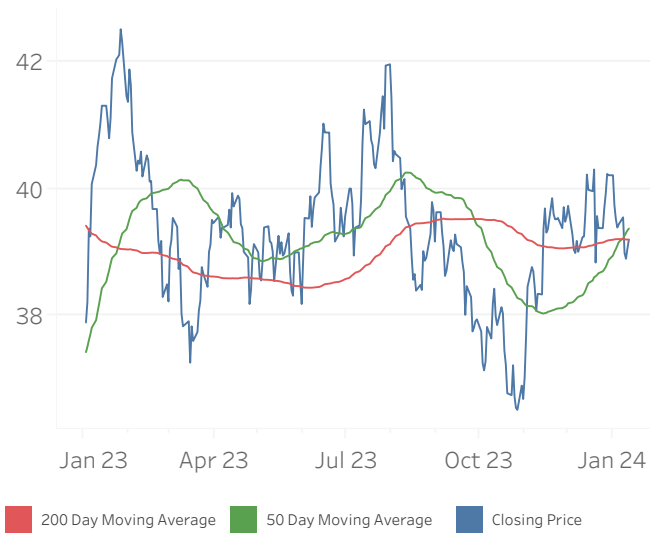
Developed ex-U.S. Most Oversold

Ticker	Fund	Price
EIRL	iShares MSCI Ireland ETF	37.98
EWY	iShares MSCI South Korea ETF	38.84
AIA	iShares Asia 50 ETF	39.70
EWH	iShares MSCI Hong Kong ETF	41.36
FLKR	Franklin FTSE South Korea ETF	41.71
AAXJ	iShares MSCI All Country Asia ex Japan ETF	45.82
EWD	iShares MSCI Sweden ETF	47.26
EWS	iShares MSCI Singapore ETF	48.15
EPP	iShares MSCI Pacific ex-Japan ETF	48.61
EWP	iShares MSCI Spain ETF	49.48

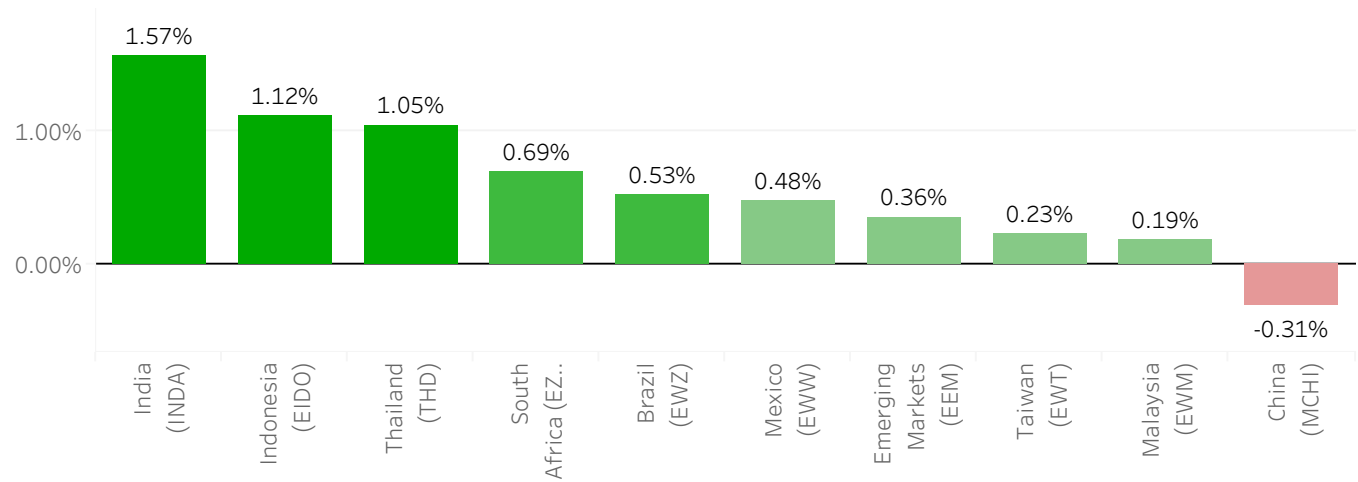
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



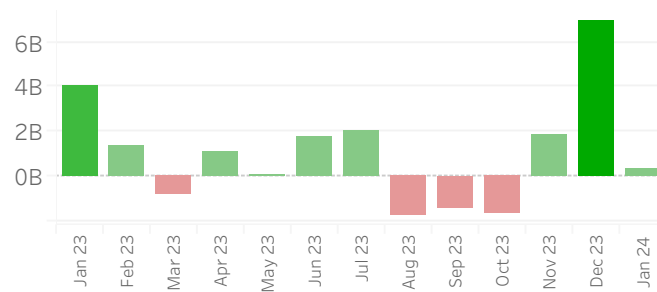
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
GLIN	VanEck India Growth Leaders ETF	1.96%
EPI	WisdomTree India Earnings Fund	1.81%
FLIN	Franklin FTSE India ETF	1.67%
INDY	iShares India 50 ETF	1.66%
INDA	iShares MSCI India ETF	1.57%
FEM	First Trust Emerging Markets AlphaDEX Fund	1.41%
EPHE	iShares MSCI Philippines ETF	1.37%
PIN	Invesco India ETF	1.28%
QAT	iShares MSCI Qatar ETF	1.24%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	1.20%

Emerging Most Overbought

Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	76.29
SMIN	iShares MSCI India Small Cap ETF	74.43
INDA	iShares MSCI India ETF	74.21
EPI	WisdomTree India Earnings Fund	74.13
FLIN	Franklin FTSE India ETF	74.00
PIN	Invesco India ETF	70.69
INDY	iShares India 50 ETF	70.32
GLIN	VanEck India Growth Leaders ETF	69.98
NFTY	First Trust India NIFTY 50 Equal Weight ETF	69.48
EPHE	iShares MSCI Philippines ETF	64.45

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-1.64%
ECNS	iShares MSCI China Small-Cap ETF	-0.81%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.80%
ECH	iShares MSCI Chile ETF	-0.50%
FXI	iShares China Large-Cap ETF	-0.44%
FRDM	Freedom 100 Emerging Markets ETF	-0.41%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.40%
GXC	SPDR S&P China ETF	-0.36%
MCHI	iShares MSCI China ETF	-0.31%
NUEM	Nuveen ESG Emerging Markets Equity ETF	-0.30%

Emerging Most Oversold

Ticker	Fund	Price
CNYA	iShares MSCI China A ETF	30.82
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	32.26
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	33.11
ECNS	iShares MSCI China Small-Cap ETF	34.52
ECH	iShares MSCI Chile ETF	34.84
PGJ	Invesco Golden Dragon China ETF	36.56
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	37.16
EWT	iShares MSCI Taiwan ETF	37.66
GXC	SPDR S&P China ETF	37.88
MCHI	iShares MSCI China ETF	38.76

\*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	0.18%	2.26%	-0.15%
SHY	1-3 Year Treasury Bonds	0.21%	1.34%	0.37%
IEF	7-10 Year Treasury Bonds	0.27%	2.50%	-0.17%
TLT	20+ Year Treasury Bonds	-0.20%	2.33%	-2.39%
TIP	TIPS Bonds	0.43%	2.45%	0.28%
FLOT	Floating Rate Bonds	0.02%	0.68%	0.34%
LQD	Investment Grade Corporate	0.22%	2.68%	-0.20%
HYG	High Yield Corporate	0.10%	2.77%	0.40%
BKLN	Senior Loan	0.00%	1.51%	0.05%
PFF	Preferred & Income Securities	0.22%	4.04%	1.25%
MUB	Municipal Bonds	0.02%	1.61%	0.18%
MBB	MBS	0.14%	2.70%	-0.11%
EMB	Dollar Denominated EM Bonds	0.18%	2.29%	-0.62%
LEMB	Local Currency EM Bond	0.06%	2.36%	-0.24%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.23%	2.49%	-0.39%
DBE	Energy	0.85%	5.32%	2.87%
USO	WTI Crude Oil	0.55%	5.87%	2.06%
BNO	Brent Crude Oil	0.72%	6.94%	2.16%
UNG	Natural Gas	8.43%	50.89%	34.52%
UGA	Gasoline	-0.10%	6.62%	0.87%
DBP	Precious Metals	1.08%	2.61%	-1.14%
GLD	Gold	0.98%	3.39%	-0.76%
SLV	Silver	1.78%	1.68%	-2.71%
PPLT	abrdn Physical Platin..	-1.28%	-2.76%	-8.41%
PALL	abrdn Physical Palla..	-1.31%	-0.38%	-10.78%
DBB	Base Metals	-0.57%	2.31%	-5.36%
CPER	Copper	-1.15%	-0.77%	-3.69%
DBA	Agriculture	-0.53%	-1.37%	-0.63%
CORN	Corn	-1.69%	-6.78%	-4.45%
SOYB	Soybeans	-0.58%	-7.41%	-4.30%
WEAT	Wheat	-1.03%	-3.20%	-3.85%
CANE	Sugar	-0.91%	-1.78%	2.46%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.11%	-0.74%	1.33%
UDN	Short Dollar	-0.08%	1.53%	-1.03%
FXE	Euro	-0.17%	1.63%	-0.71%
FXB	British Pound Sterling	-0.11%	1.67%	0.07%
FXF	Swiss Franc	-0.01%	2.68%	-1.32%
FXJ	Japanese Yen	0.41%	0.28%	-2.78%
FXC	Canadian Dollar	-0.11%	1.53%	-1.10%
FXA	Australian Dollar	-0.07%	2.05%	-1.82%

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