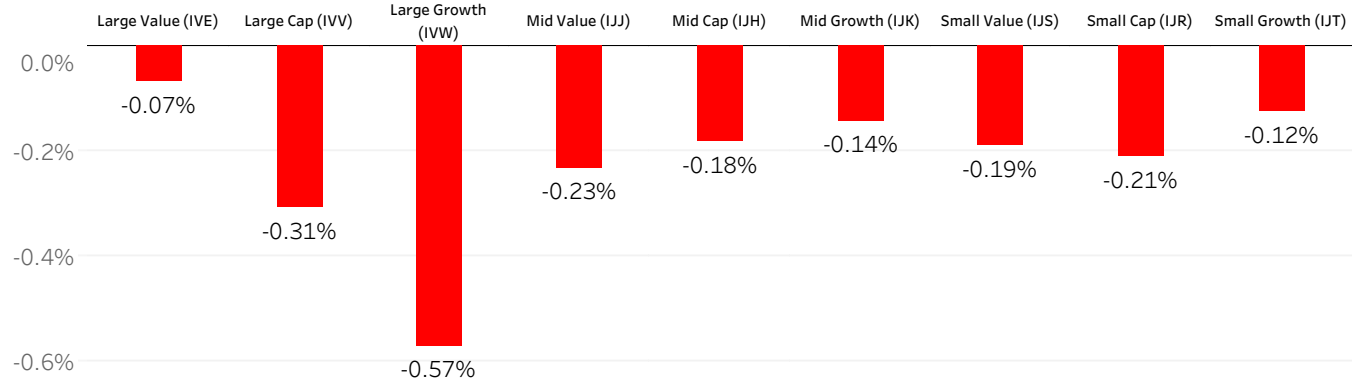


Large Cap Blend (S&P 500) IVV



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
FFTY	Innovator IBD 50 ETF	0.87%
TMFM	Motley Fool Mid-Cap Growth ETF	0.50%
TMFS	Motley Fool Small-Cap Growth ETF	0.38%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.37%
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	0.29%
FTC	First Trust Large Cap Growth AlphaDEX Fund	0.25%
IWP	iShares Russell Mid-Cap Growth ETF	0.24%
FDVV	Fidelity High Dividend ETF	0.24%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	0.21%
FYT	First Trust Small Cap Value AlphaDEX Fund	0.17%

Size & Style Most Overbought

Ticker	Fund	Price
HDV	iShares Core High Dividend ETF	66.84
DIA	SPDR Dow Jones Industrial Average ETF Trust	65.76
MGV	Vanguard Mega Cap Value ETF	65.35
SPVU	Invesco S&P 500 Enhanced Value ETF	64.90
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	64.77
SPYV	SPDR Portfolio S&P 500 Value ETF	64.37
SCHD	Schwab US Dividend Equity ETF	63.98
SIXA	ETC 6 Meridian Mega Cap Equity ETF	63.59
PWV	Invesco Large Cap Value ETF	63.52
IVE	iShares S&P 500 Value ETF	63.49

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SPGP	Invesco S&P 500 GARP ETF	-1.24%
COWZ	Pacer US Cash Cows 100 ETF	-0.77%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-0.70%
GRPM	Invesco S&P MidCap 400 GARP ETF	-0.64%
MGK	Vanguard Mega Cap Growth ETF	-0.59%
IUS	Invesco RAFI Strategic US ETF	-0.58%
IVW	iShares S&P 500 Growth ETF	-0.57%
IUSG	iShares Core S&P U.S. Growth ETF	-0.57%
SPYG	SPDR Portfolio S&P 500 Growth ETF	-0.57%
HLAL	Wahed FTSE USA Shariah ETF	-0.56%

Size & Style Most Oversold

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	22.45
CSF	VictoryShares US Discovery Enhanced Volatility Wt..	33.05
PTNQ	Pacer Trendpilot 100 ETF	37.69
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	38.89
FFTY	Innovator IBD 50 ETF	39.67
SPYG	SPDR Portfolio S&P 500 Growth ETF	40.21
RPHS	Regents Park Hedged Market Strategy ETF	40.28
RPG	Invesco S&P 500 Pure Growth ETF	40.43
IVW	iShares S&P 500 Growth ETF	40.52
VOOG	Vanguard S&P 500 Growth ETF	40.72

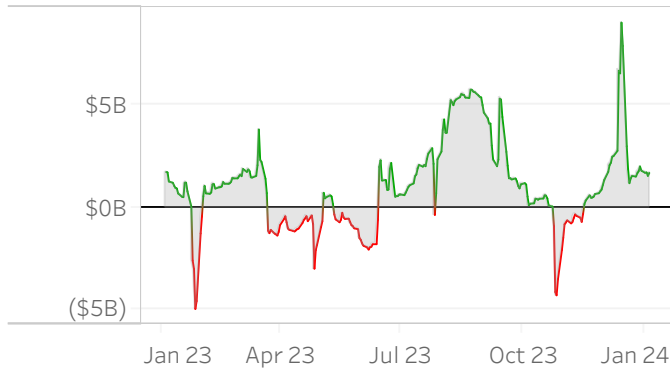
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

*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	\$1,652B	(\$3.17B)	\$93.16B	\$117.26B	\$158.81B
Large Cap, Beta, Beta: Growth	10	\$311B	(\$0.72B)	\$9.22B	\$13.65B	\$16.72B
Large Cap, Beta, Beta: Value	11	\$241B	(\$0.72B)	\$5.76B	\$7.35B	(\$1.29B)
Mid Cap, Beta, Beta	10	\$206B	\$0.16B	\$0.23B	\$6.28B	\$7.70B
Mid Cap, Beta, Beta: Growth	6	\$38B	(\$0.18B)	\$0.93B	\$0.98B	\$1.04B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.11B	\$0.03B	(\$0.57B)	(\$2.40B)
Small Cap, Beta, Beta	11	\$227B	\$1.37B	\$13.14B	\$16.17B	\$21.57B
Small Cap, Beta, Beta: Growth	7	\$36B	\$0.11B	\$1.32B	\$1.45B	\$1.07B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.09B	\$1.25B	\$0.56B	(\$0.70B)

U.S. Size & Style Flow Leaders

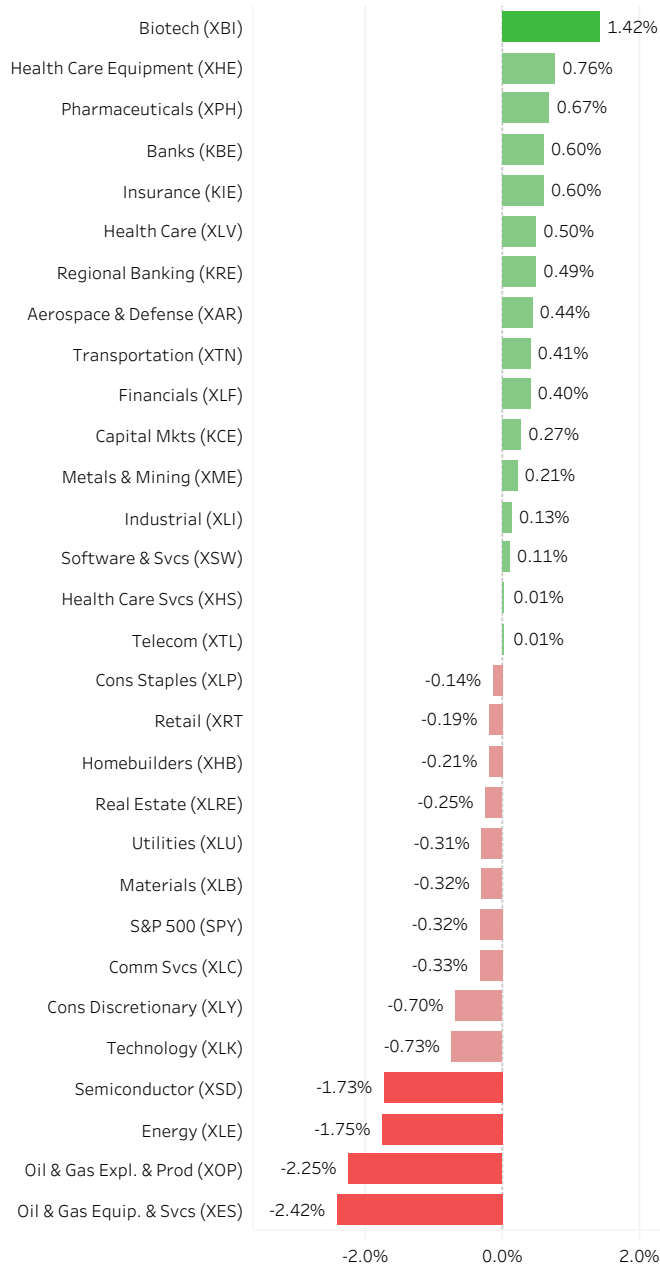
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$2.66B	\$20.30B	\$40.19B	\$40.79B	\$396.87B
QQQ	Invesco QQQ Trust Series I	\$1.82B	\$5.44B	\$6.76B	\$9.33B	\$225.57B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	\$1.74B	\$2.11B	\$2.72B	\$4.52B	\$7.17B
IWM	iShares Russell 2000 ETF	\$1.01B	\$8.79B	\$8.77B	\$8.81B	\$66.15B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.52B	\$5.46B	\$8.40B	\$13.37B	\$49.56B
VTI	Vanguard Total Stock Market ETF	\$0.47B	\$6.64B	\$13.35B	\$21.92B	\$342.47B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.30B	\$0.91B	\$0.48B	(\$0.67B)	\$32.37B
IJR	iShares Core S&P Small Cap ETF	\$0.27B	\$1.02B	\$2.09B	\$3.02B	\$74.67B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.20B	\$0.33B	\$0.14B	(\$0.30B)	\$20.15B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.19B	\$4.22B	\$5.45B	\$7.08B	\$25.56B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	(\$0.81B)	\$9.88B	\$21.09B	\$41.55B	\$366.55B
IWD	iShares Russell 1000 Value ETF	(\$0.78B)	\$2.09B	\$1.05B	(\$3.95B)	\$54.23B
IWF	iShares Russell 1000 Growth ETF	(\$0.51B)	\$2.26B	\$2.37B	(\$1.20B)	\$79.39B
VIG	Vanguard Dividend Appreciation ETF	(\$0.30B)	\$1.16B	\$1.07B	\$0.68B	\$73.18B
IWY	iShares Russell Top 200 Growth ETF	(\$0.26B)	\$0.68B	\$0.27B	\$1.42B	\$7.98B
IJK	iShares S&P Mid-Cap 400 Growth ETF	(\$0.18B)	\$0.10B	(\$0.06B)	\$0.01B	\$7.95B
IVW	iShares S&P 500 Growth ETF	(\$0.11B)	(\$0.22B)	\$1.32B	\$0.77B	\$35.86B
LSAT	Leadershares Alphafactor Tactical Focused E..	(\$0.09B)	(\$0.05B)	(\$0.06B)	(\$0.04B)	\$0.14B
VV	Vanguard Large-Cap ETF	(\$0.09B)	\$0.29B	\$0.43B	\$0.39B	\$30.28B
HDV	iShares Core High Dividend ETF	(\$0.08B)	(\$0.29B)	(\$0.41B)	(\$2.67B)	\$10.36B

* 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)
XLV	Health Care Select Sector SPDR Fund	0.00%	13.07%	6.06%	5.73%	74.81
XLF	Financial Select Sector SPDR Fund	-0.45%	21.34%	5.55%	10.61%	64.61
XLC	Communication Services Select Sector SPDR Fund	-1.86%	40.04%	2.52%	9.34%	53.11
SPY	SPDR S&P 500 ETF Trust	-1.97%	21.26%	2.67%	6.82%	51.20
XLB	Materials Select Sector SPDR Fund	-2.33%	13.08%	3.24%	4.38%	52.07
XLI	Industrial Select Sector SPDR Fund	-2.48%	15.41%	3.64%	6.58%	51.75
XLK	Technology Select Sector SPDR Fund	-4.61%	44.02%	0.35%	8.62%	38.26
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.99%	27.02%	1.53%	5.79%	41.54
XLRE	Real Estate Select Sector SPDR Fund	-5.88%	22.31%	5.81%	7.29%	54.69
XLP	Consumer Staples Select Sector SPDR Fund	-6.88%	8.99%	2.69%	-0.48%	59.11
XLU	Utilities Select Sector SPDR Fund	-8.12%	14.42%	2.87%	-0.07%	59.24
XLE	Energy Select Sector SPDR Fund	-9.37%	10.47%	0.38%	-0.22%	50.60

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
BIZD	VanEck BDC Income ETF	2.43%
XBI	SPDR S&P BIOTECH ETF	1.42%
KBWR	Invesco KBW Regional Banking ETF	1.02%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	0.97%
IHI	iShares U.S. Medical Devices ETF	0.95%
IAT	iShares U.S. Regional Banks ETF	0.90%
KBWP	Invesco KBW Property & Casualty Insurance ETF	0.90%
PINK	Simplify Health Care ETF	0.89%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	0.77%
XHE	SPDR S&P Health Care Equipment ETF	0.76%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLV	Health Care Select Sector SPDR Fund	74.81
IHE	iShares U.S. Pharmaceuticals ETF	73.26
IYH	iShares U.S. Healthcare ETF	72.97
VHT	Vanguard Health Care ETF	72.88
PJP	Invesco Pharmaceuticals ETF	72.87
FHLC	Fidelity MSCI Health Care Index ETF	72.39
XPH	SPDR S&P Pharmaceuticals ETF	71.46
PINK	Simplify Health Care ETF	67.59
IBB	iShares Biotechnology ETF	65.77
IAK	iShares U.S. Insurance ETF	65.40

Sector & Industry 1 Day Performance Laggards

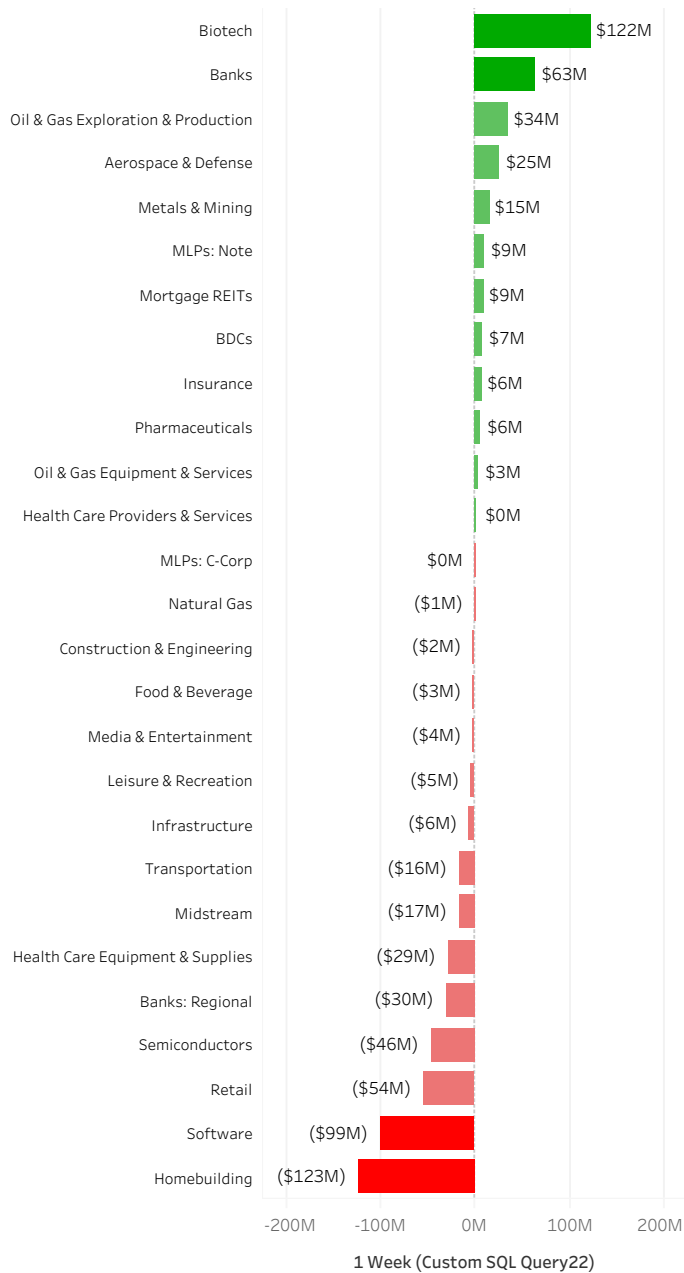
Ticker	Fund	1 Day Performance
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-2.49%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-2.42%
PXE	Invesco Energy Exploration & Production ETF	-2.28%
FCG	First Trust Natural Gas ETF	-2.27%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-2.25%
RSPG	Invesco S&P 500 Equal Weight Energy ETF	-2.12%
IEZ	iShares U.S. Oil Equipment & Services ETF	-2.11%
FXN	First Trust Energy AlphaDEX Fund	-1.89%
FTXN	First Trust Nasdaq Oil & Gas ETF	-1.87%
PSCE	Invesco S&P SmallCap Energy ETF	-1.82%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
FTEC	Fidelity MSCI Information Technology Index ETF	38.06
PTF	Invesco Dorsey Wright Technology Momentum ETF	38.21
XLK	Technology Select Sector SPDR Fund	38.26
VGT	Vanguard Information Technology ETF	38.67
IGV	iShares Expanded Tech-Software Sector ETF	39.78
IYW	iShares U.S. Technology ETF	39.90
XES	SPDR S&P Oil & Gas Equipment & Services ETF	40.68
TDV	ProShares S&P Technology Dividend Aristocrats ETF	41.31
XLY	Consumer Discretionary Select Sector SPDR Fund	41.54
XSD	SPDR S&P Semiconductor ETF	41.59

*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	(\$304M)	\$1,314M	\$1,636M	\$3,772M
Consumer Discretionary	12	\$28B	(\$441M)	(\$22M)	\$1,183M	\$2,825M
Consumer Staples	10	\$26B	\$31M	(\$2,616M)	(\$3,922M)	(\$3,566M)
Energy	30	\$72B	(\$167M)	(\$174M)	\$2,397M	(\$7,766M)
Financials	26	\$62B	\$575M	\$1,401M	(\$702M)	\$1,003M
Health Care	23	\$88B	\$640M	(\$2,650M)	(\$6,182M)	(\$9,877M)
Industrial	13	\$36B	\$323M	\$18M	\$110M	\$1,545M
Materials	9	\$12B	(\$25M)	(\$711M)	(\$1,556M)	(\$2,255M)
Multi-Sector	16	\$19B	(\$241M)	(\$219M)	\$24M	\$2,326M
Real Estate	25	\$61B	\$307M	\$2,330M	\$2,522M	(\$1,112M)
Technology	23	\$169B	(\$582M)	\$4,683M	\$5,275M	\$5,193M
Utilities	9	\$22B	(\$54M)	(\$1,346M)	(\$1,594M)	(\$1,779M)

U.S. Sector & Industry Flow Leaders

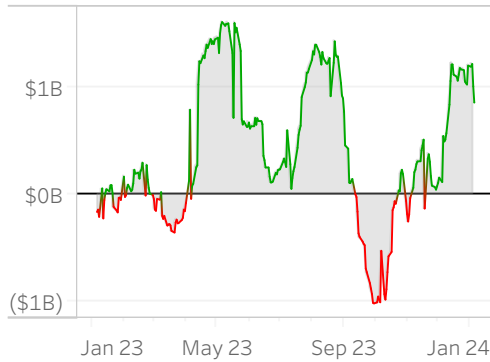
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$548M	(\$1,599M)	(\$3,893M)	(\$3,769M)	\$38,804M
XLF	Financial Select Sector SPDR Fund	\$479M	\$159M	(\$1,550M)	\$51M	\$34,372M
XLI	Industrial Select Sector SPDR Fund	\$302M	(\$518M)	(\$147M)	\$25M	\$15,328M
VNQ	Vanguard Real Estate ETF	\$274M	(\$439M)	(\$75M)	(\$1,625M)	\$33,302M
IBB	iShares Biotechnology ETF	\$157M	(\$98M)	(\$377M)	(\$1,282M)	\$7,613M
IYR	iShares U.S. Real Estate ETF	\$54M	\$1,586M	\$1,486M	\$442M	\$4,503M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$49M	\$341M	\$260M	(\$924M)	\$3,746M
XLP	Consumer Staples Select Sector SPDR Fund	\$48M	(\$1,692M)	(\$1,667M)	(\$1,333M)	\$15,343M
KBWB	Invesco KBW Bank ETF	\$42M	(\$118M)	\$149M	\$235M	\$1,646M
IAK	iShares U.S. Insurance ETF	\$40M	\$89M	\$48M	(\$127M)	\$470M

U.S. Sector & Industry Flow Laggards

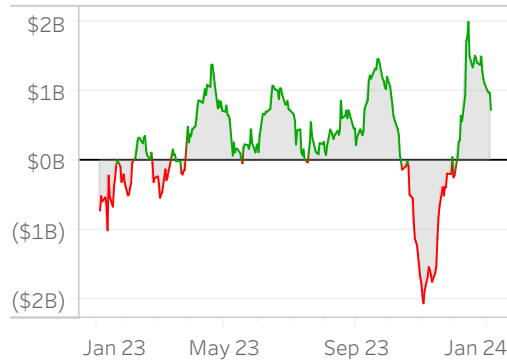
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$376M)	\$249M	\$1,132M	\$1,598M	\$18,621M
XLC	Communication Services Select Sector SPDR Fu..	(\$270M)	\$1,445M	\$1,393M	\$3,615M	\$15,964M
XLE	Energy Select Sector SPDR Fund	(\$124M)	\$27M	\$1,557M	(\$2,215M)	\$37,030M
PTF	Invesco Dorsey Wright Technology Momentum ..	(\$113M)	\$9M	\$67M	\$83M	\$337M
FDN	First Trust Dow Jones Internet Index Fund	(\$103M)	(\$359M)	(\$389M)	\$489M	\$5,640M
IGV	iShares Expanded Tech-Software Sector ETF	(\$99M)	(\$144M)	(\$112M)	\$323M	\$7,060M
IGM	iShares Expanded Tech Sector ETF	(\$87M)	(\$6M)	\$34M	(\$8M)	\$3,536M
XHB	SPDR S&P Homebuilders ETF	(\$85M)	\$212M	\$51M	\$266M	\$1,599M
XLU	Utilities Select Sector SPDR Fund	(\$57M)	(\$625M)	(\$696M)	(\$636M)	\$14,433M
SOXX	iShares Semiconductor ETF	(\$56M)	(\$28M)	\$106M	\$331M	\$9,643M

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Communication Services



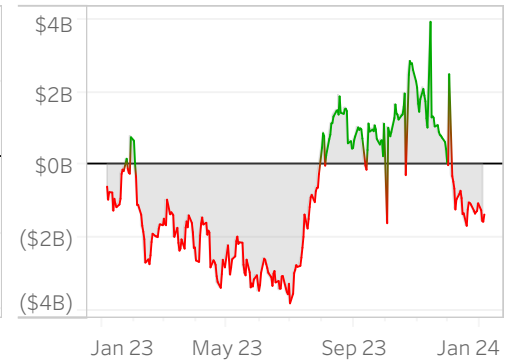
Consumer Discretionary



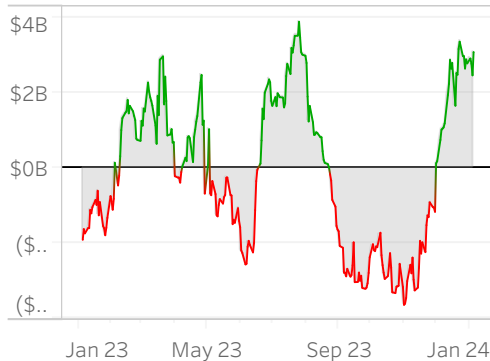
Consumer Staples



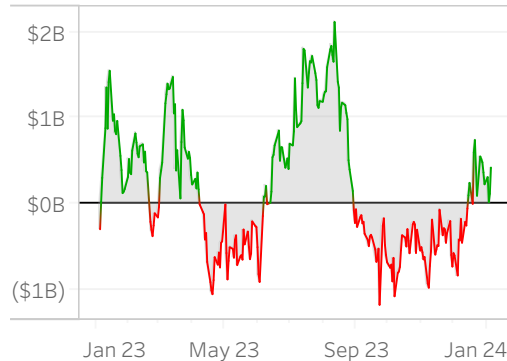
Energy



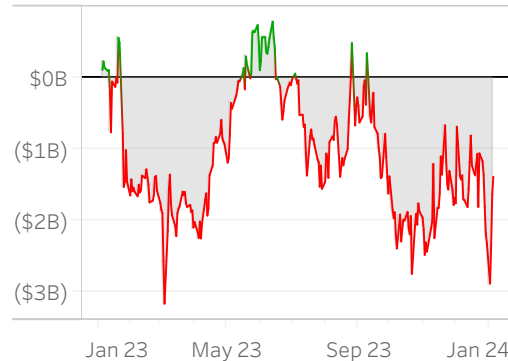
Financials



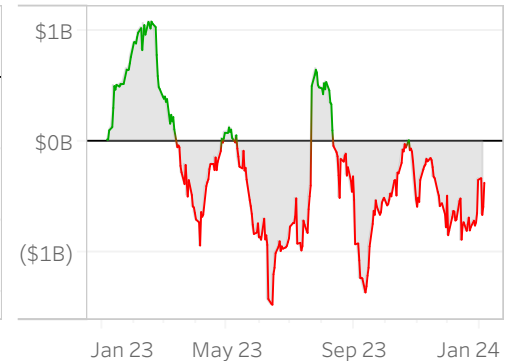
Industrial



Health Care



Materials



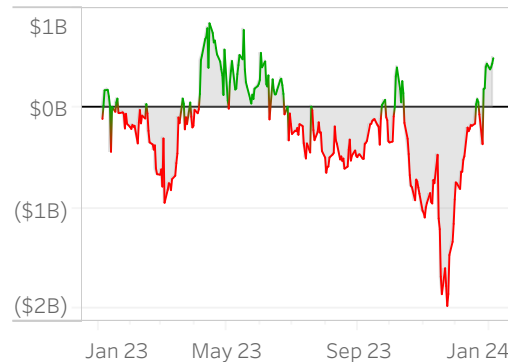
Real Estate



Technology



Utilities

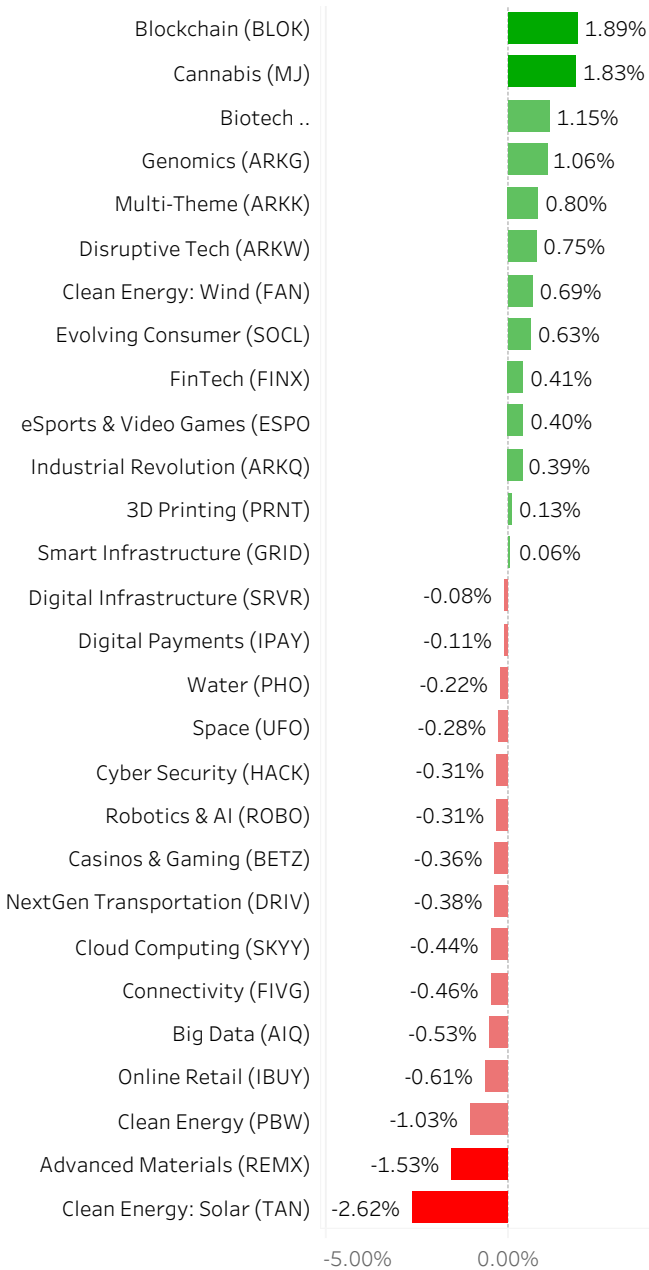


Multi-Sector

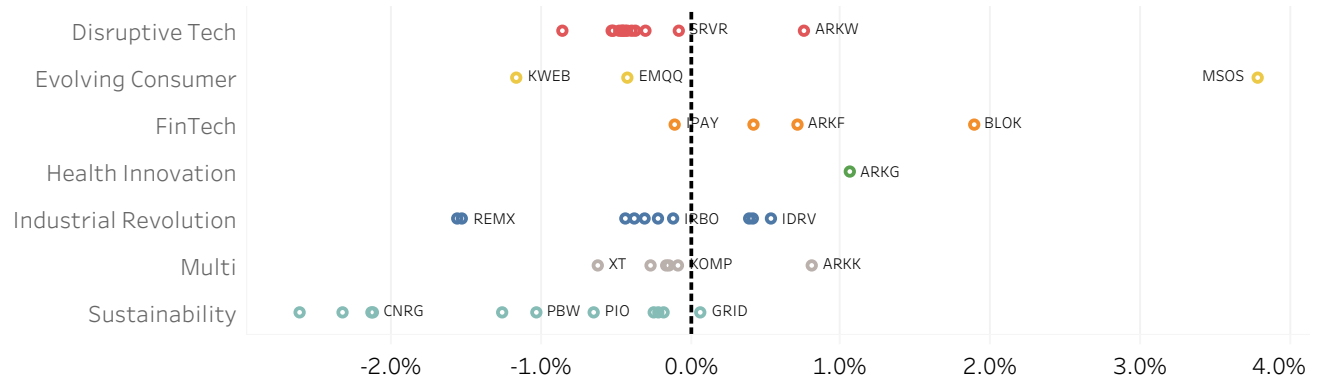


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
WGMI	Valkyrie Bitcoin Miners ETF	5.04%
BKCH	Global X Blockchain ETF	4.90%
MJUS	ETFMG U.S. Alternative Harvest ETF	4.24%
MSOS	AdvisorShares Pure US Cannabis ETF	3.78%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	3.73%
BITQ	Bitwise Crypto Industry Innovators ETF	3.28%
DAPP	VanEck Digital Transformation ETF	3.13%
BLOK	Amplify Transformational Data Sharing ETF	1.89%
MJ	ETFMG Alternative Harvest ETF	1.83%
SBIO	ALPS Medical Breakthroughs ETF	1.15%

Thematic Most Overbought

Ticker	Fund	Price
AGNG	Global X Aging Population ETF	67.77
SBIO	ALPS Medical Breakthroughs ETF	66.76
IDNA	iShares Genomics Immunology and Healthcare ETF	65.02
MJUS	ETFMG U.S. Alternative Harvest ETF	61.88
MSOS	AdvisorShares Pure US Cannabis ETF	60.48
WGMI	Valkyrie Bitcoin Miners ETF	58.29
MJ	ETFMG Alternative Harvest ETF	58.22
PAWZ	ProShares Pet Care ETF	57.05
FDIG	Fidelity Crypto Industry and Digital Payments ETF	56.54
BKCH	Global X Blockchain ETF	56.26

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TAN	Invesco Solar ETF	-2.62%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-2.33%
ACES	ALPS Clean Energy ETF	-2.14%
CNRG	SPDR S&P Kensho Clean Power ETF	-2.13%
LIT	Global X Lithium & Battery Tech ETF	-1.56%
REMX	VanEck Rare Earth/Strategic Metals ETF	-1.53%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.40%
ONLN	ProShares Online Retail ETF	-1.38%
EDOC	Global X Telemedicine & Digital Health ETF Registered	-1.34%
ICLN	iShares Global Clean Energy ETF	-1.26%

Thematic Most Oversold

Ticker	Fund	Price
SAMT	Strategas Macro Thematic Opportunities ETF	39.64
ENTR	ERShares Entrepreneurs ETF	40.18
GBUY	Goldman Sachs Future Consumer Equity ETF	40.24
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	40.85
EVX	VanEck Environmental Services ETF	40.94
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	40.99
WCLD	WisdomTree Cloud Computing Fund	41.25
BATT	Amplify Lithium & Battery Technology ETF	41.38
FCLD	Fidelity Cloud Computing ETF	41.51
SKYY	First Trust Cloud Computing ETF	41.54

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	\$95M
AIQ	Global X Artificial Intelligence & Technology ETF	\$36M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$19M
WCLD	WisdomTree Cloud Computing Fund	\$17M
ARKF	ARK Fintech Innovation ETF	\$16M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$9M
TARK	AXS 2X Innovation ETF	\$7M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M
IZRL	ARK Israel Innovative Technology ETF	\$7M
IHAK	iShares Cybersecurity & Tech ETF	\$7M

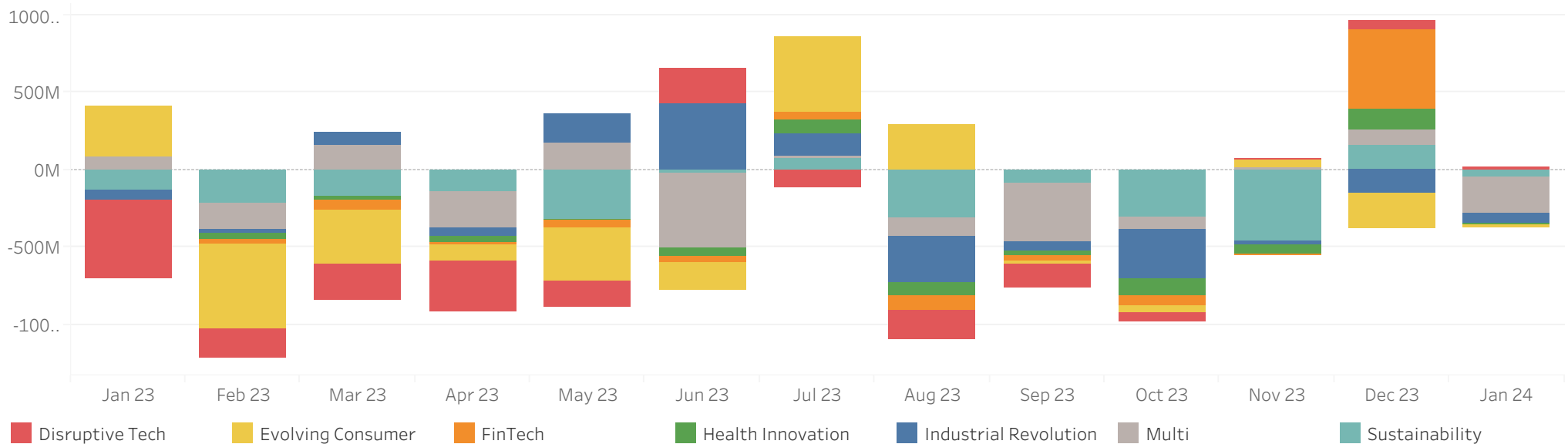
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$268M)
ARKW	ARK Next Generation Internet ETF	(\$43M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$35M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$22M)
SKYY	First Trust Cloud Computing ETF	(\$13M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$12M)
METV	Roundhill Ball Metaverse ETF	(\$10M)
IDRV	iShares Self-driving EV & Tech ETF	(\$10M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$9M)
ICLN	iShares Global Clean Energy ETF	(\$9M)

Thematic Landscape Assets & Flows

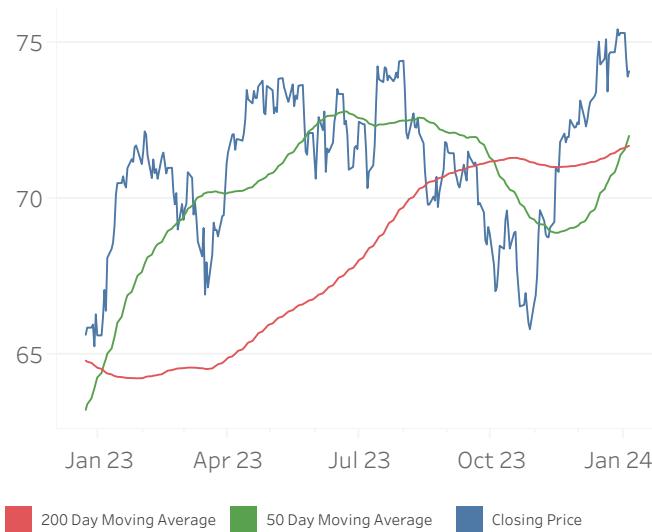
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$18B	\$16M	\$32M	(\$429M)	(\$1,627M)
Evolving Consumer	37	\$8B	(\$17M)	(\$265M)	\$494M	(\$689M)
FinTech	17	\$4B	(\$2M)	\$475M	\$348M	\$156M
Health Innovation	17	\$3B	(\$3M)	(\$25M)	(\$39M)	(\$228M)
Industrial Revolution	30	\$10B	(\$67M)	(\$538M)	(\$823M)	(\$249M)
Multi	35	\$16B	(\$235M)	(\$242M)	(\$659M)	(\$1,163M)
Sustainability	40	\$13B	(\$52M)	(\$597M)	(\$974M)	(\$1,984M)
Grand Total	209	\$71B	(\$360M)	(\$1,160M)	(\$2,083M)	(\$5,783M)

Thematic Monthly Flows

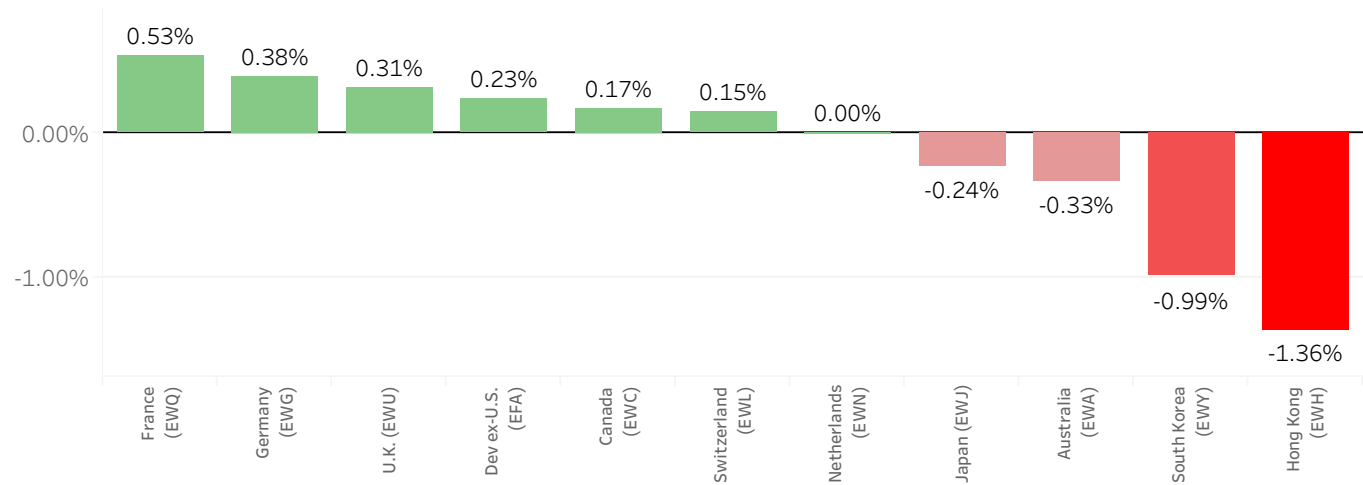


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

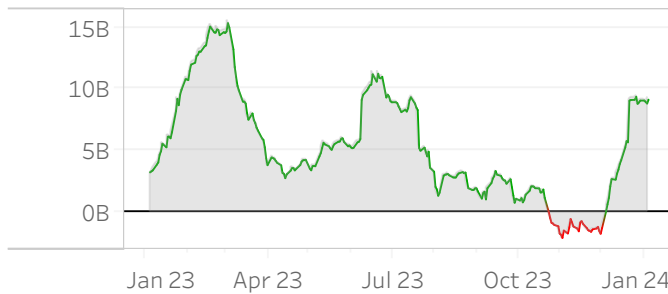
Developed ex-U.S. (EFA)



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



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



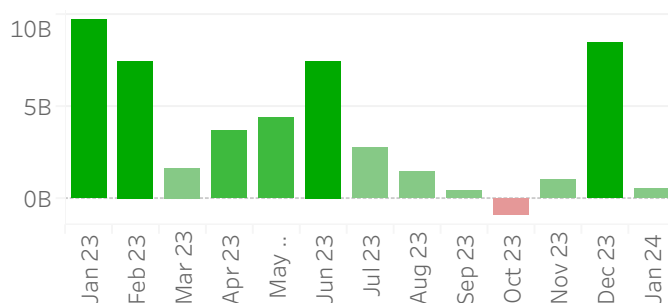
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EDEN	iShares MSCI Denmark ETF	1.92%
EWG	iShares MSCI Austria ETF	1.58%
EWP	iShares MSCI Spain ETF	1.43%
NORW	Global X MSCI Norway ETF	1.29%
GREK	Global X MSCI Greece ETF	1.28%
FJP	First Trust Japan AlphaDEX Fund	1.14%
FDD	First Trust Stoxx European Select Dividend Index Fund	1.13%
EWI	iShares MSCI Italy ETF	1.12%
DXJ	WisdomTree Japan Hedged Equity Fund	1.07%
FEP	First Trust Europe AlphaDEX Fund	1.07%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EDEN	iShares MSCI Denmark ETF	68.11
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	65.58
EWL	iShares MSCI Switzerland ETF	65.33
FYLD	Cambria Foreign Shareholder Yield ETF	65.28
RFDI	First Trust Riverfront Dynamic Developed International E..	64.35
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	64.20
EIS	iShares MSCI Israel ETF	63.52
IDV	iShares International Select Dividend ETF	62.94
IDOG	ALPS International Sector Dividend Dogs ETF	62.76
FICS	First Trust International Developed Capital Strength ETF	61.86

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	-1.36%
FLKR	Franklin FTSE South Korea ETF	-1.27%
AIA	iShares Asia 50 ETF	-1.08%
EWY	iShares MSCI South Korea ETF	-0.99%
EWS	iShares MSCI Singapore ETF	-0.99%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.58%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-0.52%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.51%
EPP	iShares MSCI Pacific ex-Japan ETF	-0.49%
VPL	Vanguard FTSE Pacific ETF	-0.44%

Developed ex-U.S. Most Oversold

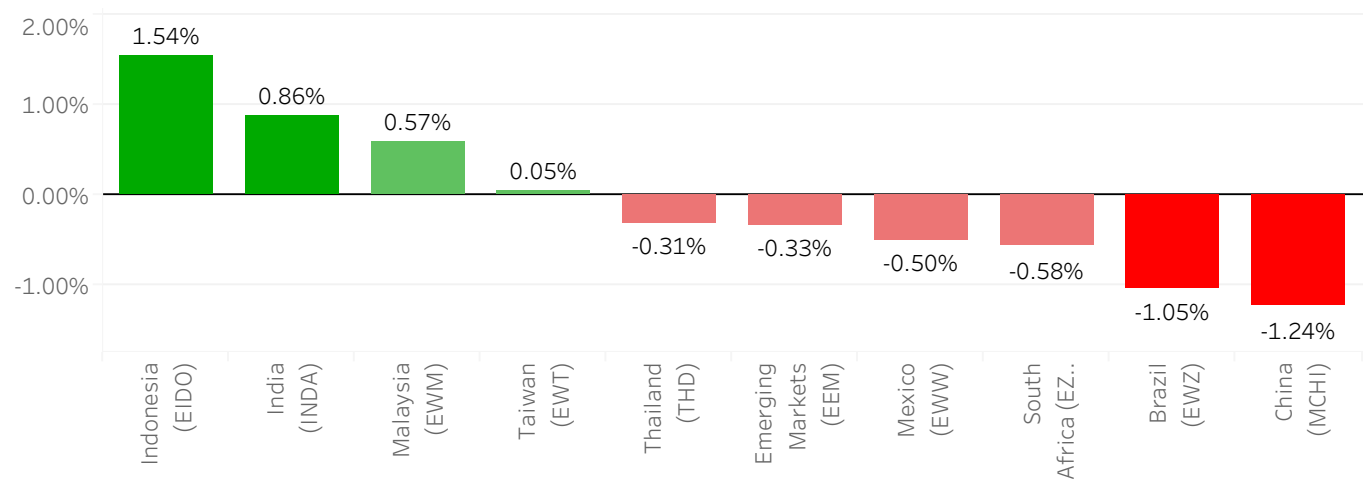
Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	41.85
AIA	iShares Asia 50 ETF	43.65
EWN	iShares MSCI Netherlands ETF	44.45
EWY	iShares MSCI South Korea ETF	44.80
AAXJ	iShares MSCI All Country Asia ex Japan ETF	46.03
BBJP	JPMorgan BetaBuilders Japan ETF	46.69
EWQ	iShares MSCI France ETF	46.86
EWS	iShares MSCI Singapore ETF	46.98
HEZU	iShares Currency Hedged MSCI Eurozone ETF	47.04
PTIN	Pacer Trendpilot International ETF	47.24

*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



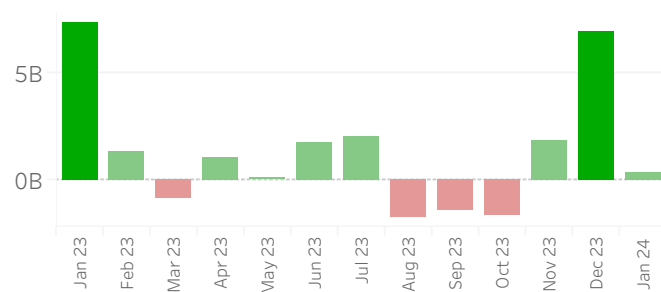
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	2.25%
TUR	iShares MSCI Turkey ETF	1.99%
KSA	iShares MSCI Saudi Arabia ETF	1.81%
EIDO	iShares MSCI Indonesia ETF	1.54%
SMIN	iShares MSCI India Small Cap ETF	0.97%
FLIN	Franklin FTSE India ETF	0.90%
PIN	Invesco India ETF	0.86%
INDA	iShares MSCI India ETF	0.86%
INDY	iShares India 50 ETF	0.80%
EPI	WisdomTree India Earnings Fund	0.76%

Emerging Most Overbought

Ticker	Fund	Price
SMIN	iShares MSCI India Small Cap ETF	70.44
EPI	WisdomTree India Earnings Fund	68.82
FLIN	Franklin FTSE India ETF	68.54
INDA	iShares MSCI India ETF	67.84
EPHE	iShares MSCI Philippines ETF	67.71
NFTY	First Trust India NIFTY 50 Equal Weight ETF	67.11
KWT	iShares MSCI Kuwait ETF	66.86
KSA	iShares MSCI Saudi Arabia ETF	66.24
INDY	iShares India 50 ETF	65.08
PIN	Invesco India ETF	63.66

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	-2.10%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.76%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.65%
CNYA	iShares MSCI China A ETF	-1.50%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-1.50%
ECNS	iShares MSCI China Small-Cap ETF	-1.46%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-1.39%
FXI	iShares China Large-Cap ETF	-1.31%
MCHI	iShares MSCI China ETF	-1.24%
FLCH	Franklin FTSE China ETF	-1.07%

Emerging Most Oversold

Ticker	Fund	Price
CNYA	iShares MSCI China A ETF	34.61
EWZ	iShares MSCI Taiwan ETF	35.60
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	36.46
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	37.19
ECNS	iShares MSCI China Small-Cap ETF	39.57
ARGT	Global X MSCI Argentina ETF	40.93
TUR	iShares MSCI Turkey ETF	41.03
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	41.13
EWZS	iShares MSCI Brazil Small-Cap ETF	41.58
FXI	iShares China Large-Cap ETF	42.57

*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	-0.40%	2.33%	-0.83%
SHY	1-3 Year Treasury Bonds	-0.06%	0.80%	-0.16%
IEF	7-10 Year Treasury Bonds	-0.60%	2.47%	-0.74%
TLT	20+ Year Treasury Bonds	-1.52%	5.30%	-1.68%
TIP	TIPS Bonds	-0.47%	1.89%	-0.45%
FLOT	Floating Rate Bonds	0.08%	0.62%	0.12%
LQD	Investment Grade Corporate	-0.56%	2.58%	-1.45%
HYG	High Yield Corporate	-0.39%	1.58%	-0.99%
BKLN	Senior Loan	-0.14%	1.76%	-0.24%
PFF	Preferred & Income Securities	-0.13%	2.26%	-0.22%
MUB	Municipal Bonds	-0.09%	1.65%	-0.18%
MBB	MBS	-0.54%	2.56%	-1.00%
EMB	Dollar Denominated EM Bonds	-0.46%	1.80%	-1.82%
LEMB	Local Currency EM Bond	-0.08%	1.85%	-1.23%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.20%	-1.39%	-0.06%
DBE	Energy	-0.87%	-2.52%	1.50%
USO	WTI Crude Oil	-0.91%	-1.31%	1.38%
BNO	Brent Crude Oil	-1.11%	-0.68%	1.10%
UNG	Natural Gas	6.07%	8.05%	13.81%
UGA	Gasoline	-2.34%	-1.73%	0.21%
DBP	Precious Metals	0.10%	-0.99%	-1.32%
GLD	Gold	0.10%	0.78%	-0.97%
SLV	Silver	0.09%	-6.14%	-3.21%
PPLT	abrdn Physical Platin..	-1.67%	3.85%	-3.32%
PALL	abrdn Physical Palla..	-3.19%	6.37%	-5.36%
DBB	Base Metals	-1.17%	3.08%	-3.33%
CPER	Copper	-0.25%	0.89%	-0.99%
DBA	Agriculture	0.63%	-1.43%	-0.10%
CORN	Corn	0.14%	-2.90%	-0.56%
SOYB	Soybeans	-0.64%	-4.27%	-2.00%
WEAT	Wheat	1.74%	-1.18%	-1.84%
CANE	Sugar	0.94%	-13.86%	1.47%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.00%	-0.58%	1.18%
UDN	Short Dollar	-0.08%	1.44%	-1.14%
FXE	Euro	0.29%	1.28%	-0.76%
FXB	British Pound Sterling	0.20%	0.72%	-0.44%
FXF	Swiss Franc	-0.02%	2.71%	-1.04%
FXJ	Japanese Yen	-1.04%	1.62%	-2.69%
FXC	Canadian Dollar	0.04%	1.51%	-0.76%
FXA	Australian Dollar	-0.29%	1.42%	-1.58%

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