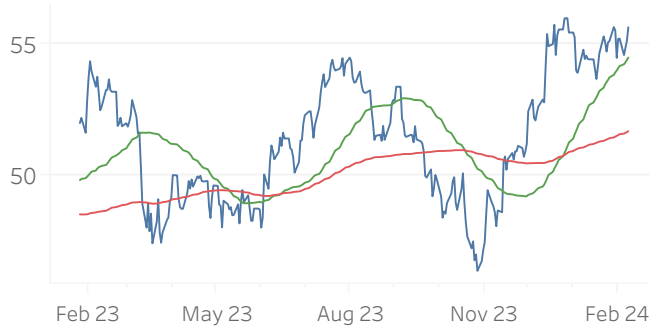


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

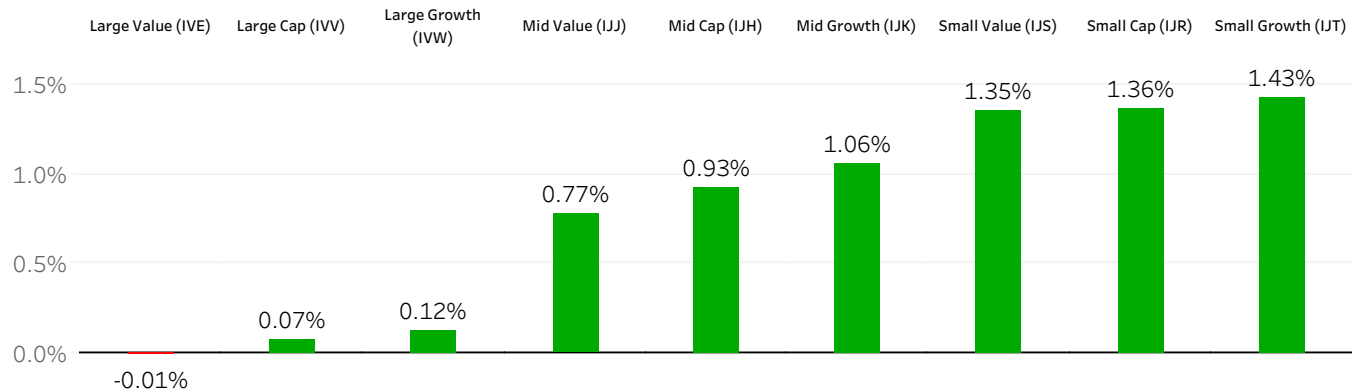


Small Cap Blend (S&P 600) IJR



■ 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	1-Day Performance
IPO	Renaissance IPO ETF	3.43%
LCG	Sterling Capital Focus Equity ETF	3.00%
FYC	First Trust Small Cap Growth AlphaDEX Fund	2.22%
FPX	First Trust US Equity Opportunities ETF	2.08%
BUZZ	VanEck Social Sentiment ETF	2.02%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	2.00%
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	1.98%
FYX	First Trust Small Cap Core AlphaDEX Fund	1.82%
IWC	iShares Micro-Cap ETF	1.82%
IWO	iShares Russell 2000 Growth ETF	1.77%

Size & Style Most Overbought

Ticker	Fund	Price
SPMO	Invesco S&P 500 Momentum ETF	81.85
XMMO	Invesco S&P MidCap Momentum ETF	80.64
MBCC	Monarch Blue Chips Core ETF	79.82
JMOM	JPMorgan U.S. Momentum Factor ETF	79.17
PWB	Invesco Large Cap Growth ETF	79.10
XMHQ	Invesco S&P MidCap Quality ETF	77.76
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	77.61
FDMO	Fidelity Momentum Factor ETF	77.35
MTUM	iShares MSCI USA Momentum Factor ETF	77.30
SIXA	ETC 6 Meridian Mega Cap Equity ETF	75.92

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FUNL	CornerCap Fundametrics Large-Cap ETF	-0.29%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-0.29%
PKW	Invesco Buyback Achievers ETF	-0.29%
SDOG	ALPS Sector Dividend Dogs ETF	-0.28%
OUSA	ALPS O'Shares U.S. Quality Dividend ETF	-0.27%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.27%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-0.26%
DURA	VanEck Durable High Dividend ETF	-0.22%
FDRR	Fidelity Dividend ETF for Rising Rates	-0.20%
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	-0.20%

Size & Style Most Oversold

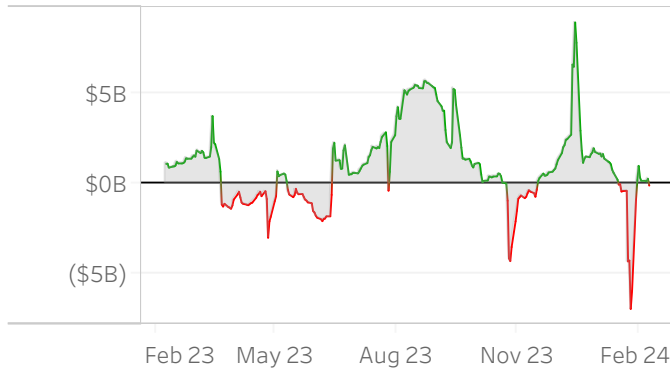
Ticker	Fund	Price
DIV	Global X SuperDividend US ETF	35.51
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	35.52
PEY	Invesco High Yield Equity Dividend Achievers ETF	38.05
SVAL	iShares US Small Cap Value Factor ETF	40.09
DURA	VanEck Durable High Dividend ETF	40.99
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	42.28
DVY	iShares Select Dividend ETF	42.30
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	42.59
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	42.63
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	43.37

\*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	\$1,761B	(\$10.59B)	\$74.52B	\$112.17B	\$163.34B
Large Cap, Beta, Beta: Growth	10	\$345B	\$0.99B	\$4.89B	\$15.14B	\$19.92B
Large Cap, Beta, Beta: Value	11	\$246B	\$0.46B	\$6.12B	\$7.40B	(\$0.36B)
Mid Cap, Beta, Beta	10	\$210B	\$0.27B	\$0.38B	\$1.81B	\$6.24B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$0.01B)	\$0.38B	\$0.45B	\$1.47B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.28B)	(\$0.36B)	(\$1.35B)	(\$3.08B)
Small Cap, Beta, Beta	11	\$220B	(\$1.65B)	\$5.94B	\$8.88B	\$13.28B
Small Cap, Beta, Beta: Growth	7	\$37B	\$0.08B	\$0.72B	\$1.40B	\$1.59B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.10B)	\$0.09B	(\$0.59B)	(\$2.17B)

U.S. Size & Style Flow Leaders

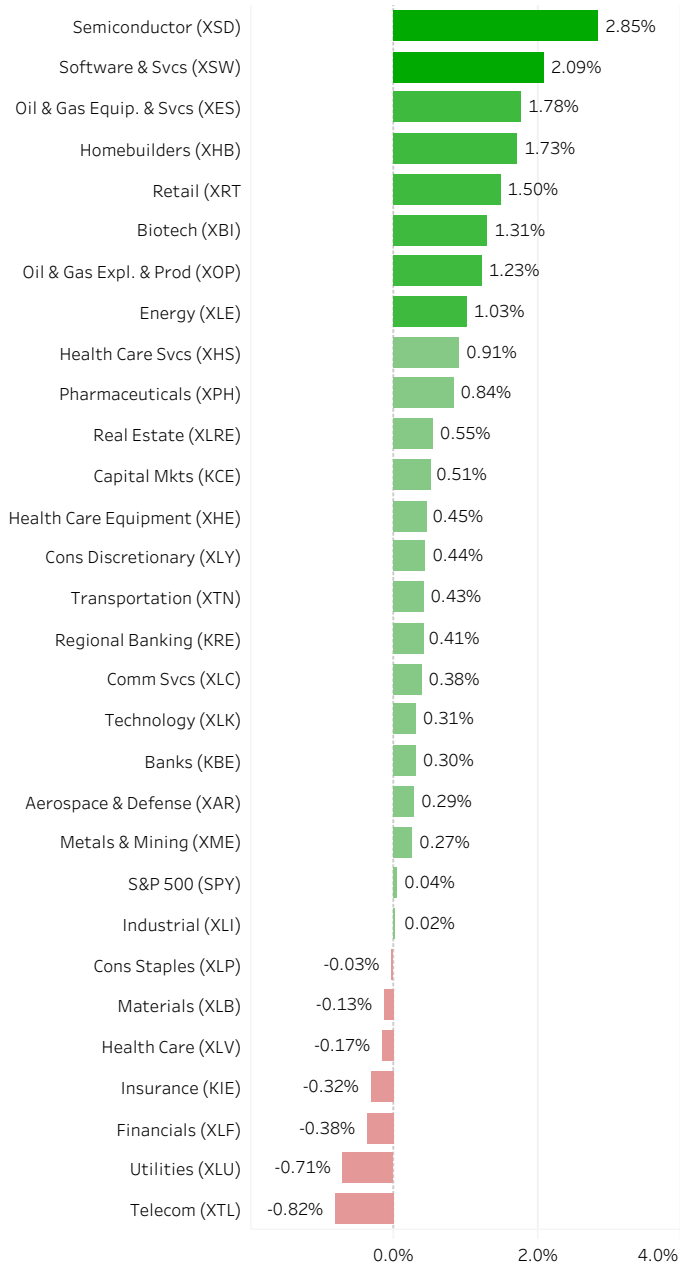
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$1.26B	\$18.42B	\$28.55B	\$53.62B	\$402.66B
IVV	iShares Core S&P 500 ETF	\$1.12B	\$23.90B	\$40.49B	\$52.06B	\$432.96B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.38B	\$4.23B	\$6.46B	\$8.38B	\$28.88B
QQQM	Invesco NASDAQ 100 ETF	\$0.37B	\$4.29B	\$5.24B	\$10.11B	\$22.16B
IWY	iShares Russell Top 200 Growth ETF	\$0.31B	\$1.08B	\$1.72B	\$2.80B	\$10.36B
XMHQ	Invesco S&P MidCap Quality ETF	\$0.24B	\$1.24B	\$1.90B	\$2.51B	\$3.45B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.24B	\$0.00B	(\$0.26B)	(\$0.85B)	\$20.12B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.23B	\$0.18B	(\$0.73B)	(\$3.71B)	\$9.85B
SPHQ	Invesco S&P 500 Quality ETF	\$0.20B	\$0.65B	\$1.53B	\$2.12B	\$7.88B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.19B	(\$1.50B)	\$0.89B	\$9.45B	\$36.66B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$1.97B)	\$7.34B	\$9.50B	\$15.83B	\$247.88B
VTI	Vanguard Total Stock Market ETF	(\$1.53B)	\$8.69B	\$13.94B	\$22.99B	\$365.38B
IWM	iShares Russell 2000 ETF	(\$1.32B)	\$1.50B	\$2.49B	\$1.76B	\$58.69B
IJR	iShares Core S&P Small Cap ETF	(\$0.31B)	\$1.38B	\$1.79B	\$2.88B	\$74.19B
MDYV	SPDR S&P 400 Mid Cap Value ETF	(\$0.30B)	\$0.12B	\$0.07B	(\$0.48B)	\$2.42B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.28B)	\$5.01B	\$3.75B	\$10.55B	\$49.35B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.27B)	\$0.62B	(\$0.26B)	(\$0.50B)	\$33.08B
IWN	iShares Russell 2000 Value ETF	(\$0.13B)	\$0.16B	(\$0.09B)	(\$0.46B)	\$11.46B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.13B)	(\$0.72B)	(\$1.10B)	(\$9.10B)	\$13.18B
QQEW	First Trust Nasdaq-100 Equal Weighted Index..	(\$0.13B)	(\$0.06B)	(\$0.07B)	\$0.42B	\$2.17B

\* 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%	29.31%	4.71%	11.59%	70.43
XLI	Industrial Select Sector SPDR Fund	0.00%	21.08%	3.83%	10.02%	67.56
XLK	Technology Select Sector SPDR Fund	0.00%	51.33%	6.03%	16.74%	66.23
XLV	Health Care Select Sector SPDR Fund	-0.17%	17.04%	4.69%	8.67%	74.87
XLF	Financial Select Sector SPDR Fund	-0.69%	25.79%	3.55%	12.32%	64.13
XLC	Communication Services Select Sector SPDR Fund	-0.83%	51.32%	7.51%	16.68%	66.61
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.53%	29.25%	1.83%	7.34%	59.50
XLB	Materials Select Sector SPDR Fund	-3.77%	11.42%	-0.70%	2.44%	50.30
XLP	Consumer Staples Select Sector SPDR Fund	-4.79%	11.43%	2.37%	2.31%	59.65
XLRE	Real Estate Select Sector SPDR Fund	-5.41%	19.01%	-1.80%	3.83%	47.07
XLE	Energy Select Sector SPDR Fund	-9.37%	10.47%	1.56%	0.09%	58.67
XLU	Utilities Select Sector SPDR Fund	-14.19%	6.85%	-4.29%	-5.37%	37.69

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XSD	SPDR S&P Semiconductor ETF	2.85%
PTF	Invesco Dorsey Wright Technology Momentum ETF	2.74%
XSW	SPDR S&P Software & Services ETF	2.09%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	2.00%
PSI	Invesco Semiconductors ETF	1.88%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	1.82%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.78%
FXL	First Trust Technology AlphaDEX Fund	1.78%
XHB	SPDR S&P Homebuilders ETF	1.73%
SOXX	iShares Semiconductor ETF	1.72%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PINK	Simplify Health Care ETF	78.26
IYH	iShares U.S. Healthcare ETF	76.25
XLV	Health Care Select Sector SPDR Fund	74.87
VHT	Vanguard Health Care ETF	74.32
IHE	iShares U.S. Pharmaceuticals ETF	73.98
FHLC	Fidelity MSCI Health Care Index ETF	73.75
PRN	Invesco Dorsey Wright Industrials Momentum ETF	72.10
IETC	iShares U.S. Tech Independence Focused ETF	71.45
IGM	iShares Expanded Tech Sector ETF	71.20
XNTK	SPDR NYSE Technology ETF	70.51

### Sector & Industry 1 Day Performance Laggards

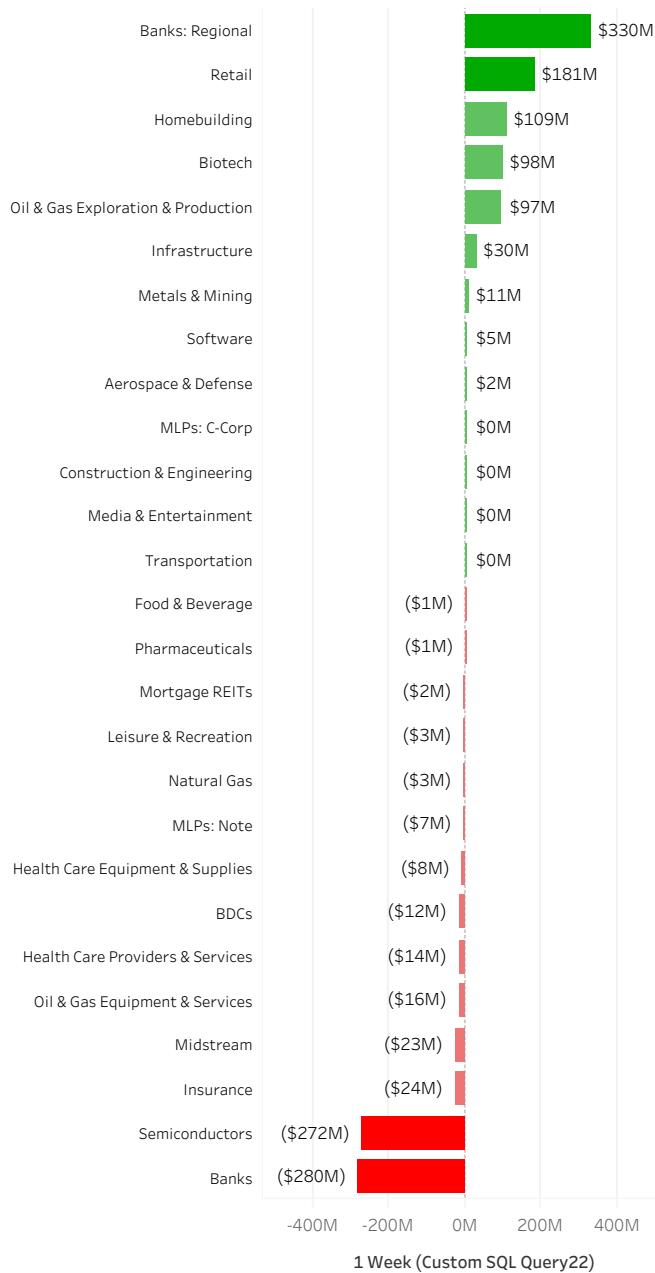
Ticker	Fund	1 Day Performance
IYZ	iShares U.S. Telecommunications ETF	-1.55%
XTL	SPDR S&P Telecom ETF	-0.82%
XLU	Utilities Select Sector SPDR Fund	-0.71%
IDU	iShares U.S. Utilities ETF	-0.67%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	-0.66%
FUTY	Fidelity MSCI Utilities Index ETF	-0.64%
VPU	Vanguard Utilities ETF	-0.63%
FXU	First Trust Utilities AlphaDEX Fund	-0.60%
IHI	iShares U.S. Medical Devices ETF	-0.58%
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	-0.50%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWD	Invesco KBW High Dividend Yield Financial ETF	27.98
REM	iShares Mortgage Real Estate ETF	31.54
MORT	VanEck Mortgage REIT Income ETF	32.30
KBWR	Invesco KBW Regional Banking ETF	33.24
RIET	Hoya Capital High Dividend Yield ETF	33.82
KRE	SPDR S&P Regional Banking ETF	34.18
QABA	First Trust NASDAQ ABA Community Bank Index Fund	34.52
ENFR	Alerian Energy Infrastructure ETF	35.54
MLPX	Global X MLP & Energy Infrastructure ETF	36.08
IYZ	iShares U.S. Telecommunications ETF	37.15

\* 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	\$23B	(\$12M)	\$1,144M	\$576M	\$3,609M
Consumer Discretionary	12	\$30B	\$849M	\$2,107M	\$1,631M	\$3,441M
Consumer Staples	10	\$26B	\$577M	(\$730M)	(\$3,820M)	(\$2,586M)
Energy	30	\$70B	(\$166M)	(\$2,247M)	\$442M	(\$7,190M)
Financials	26	\$63B	\$58M	\$3,787M	(\$2,944M)	(\$853M)
Health Care	23	\$92B	\$217M	(\$1,468M)	(\$4,901M)	(\$8,300M)
Industrial	13	\$38B	\$229M	\$750M	(\$739M)	\$1,566M
Materials	9	\$11B	(\$502M)	(\$973M)	(\$2,232M)	(\$3,768M)
Multi-Sector	16	\$21B	\$33M	\$189M	(\$499M)	\$2,605M
Real Estate	25	\$58B	(\$584M)	\$1,821M	\$1,020M	(\$1,252M)
Technology	23	\$189B	(\$253M)	\$6,139M	\$8,925M	\$8,967M
Utilities	9	\$20B	(\$2M)	(\$1,218M)	(\$2,841M)	(\$2,749M)

## U.S. Sector & Industry Flow Leaders

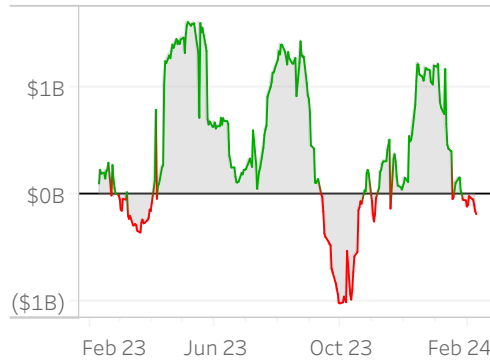
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$673M	\$1,501M	\$1,631M	\$2,158M	\$19,653M
XLP	Consumer Staples Select Sector SPDR Fund	\$595M	(\$240M)	(\$1,409M)	(\$345M)	\$16,215M
KRE	SPDR S&P Regional Banking ETF	\$342M	\$267M	(\$50M)	\$1,258M	\$3,145M
XLI	Industrial Select Sector SPDR Fund	\$186M	\$192M	(\$917M)	\$222M	\$16,222M
XRT	SPDR S&P Retail ETF	\$181M	\$115M	\$94M	\$44M	\$519M
VGT	Vanguard Information Technology ETF	\$180M	\$2,153M	\$2,358M	\$1,558M	\$63,657M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$110M	\$141M	(\$63M)	(\$319M)	\$3,365M
KCE	SPDR S&P Capital Markets ETF	\$108M	\$106M	\$203M	\$226M	\$381M
XLV	Health Care Select Sector SPDR Fund	\$82M	(\$942M)	(\$2,707M)	(\$2,869M)	\$40,734M
IYH	iShares U.S. Healthcare ETF	\$74M	\$134M	\$28M	(\$82M)	\$3,445M

## U.S. Sector & Industry Flow Laggards

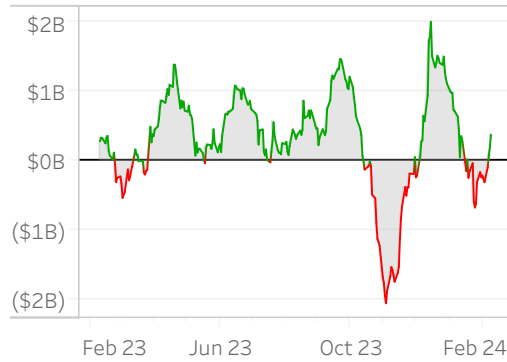
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYR	iShares U.S. Real Estate ETF	(\$629M)	\$468M	\$296M	(\$158M)	\$3,320M
XLB	Materials Select Sector SPDR Fund	(\$503M)	(\$683M)	(\$1,162M)	(\$1,187M)	\$4,917M
SOXX	iShares Semiconductor ETF	(\$272M)	\$145M	\$370M	\$556M	\$11,196M
KBE	SPDR S&P Bank ETF	(\$166M)	\$516M	\$292M	\$212M	\$1,736M
XLE	Energy Select Sector SPDR Fund	(\$154M)	(\$1,700M)	\$440M	(\$2,802M)	\$35,396M
XLF	Financial Select Sector SPDR Fund	(\$117M)	\$2,199M	(\$2,367M)	(\$323M)	\$36,109M
KBWB	Invesco KBW Bank ETF	(\$111M)	\$66M	(\$484M)	(\$490M)	\$1,494M
FDN	First Trust Dow Jones Internet Index Fund	(\$109M)	\$35M	(\$599M)	\$494M	\$6,269M
IYM	iShares U.S. Basic Materials ETF	(\$26M)	(\$87M)	(\$202M)	(\$212M)	\$578M
VDE	Vanguard Energy ETF	(\$26M)	\$159M	\$79M	(\$55M)	\$7,951M

\* 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



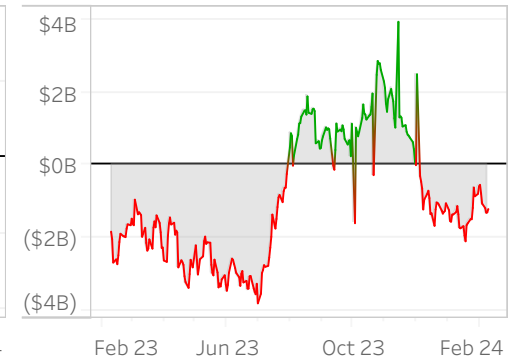
Consumer Discretionary



Consumer Staples



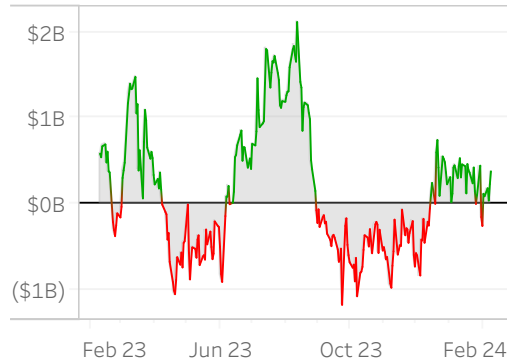
Energy



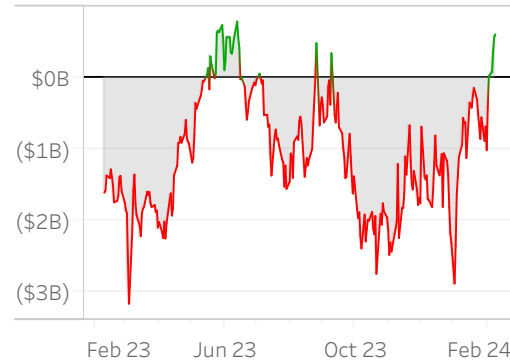
Financials



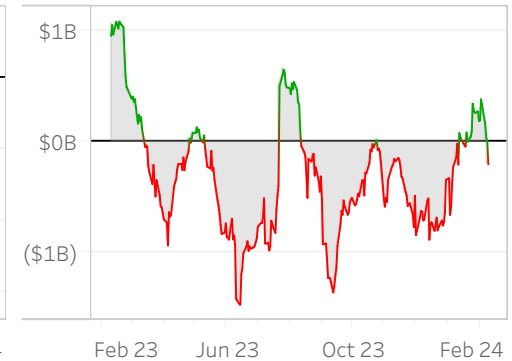
Industrial



Health Care



Materials



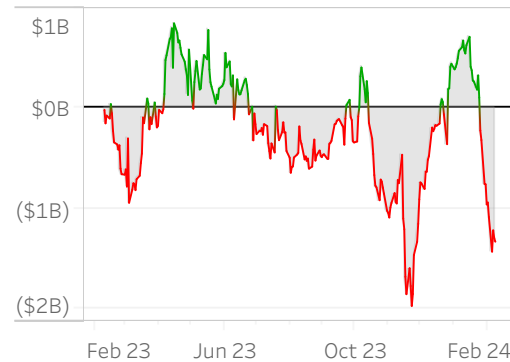
Real Estate



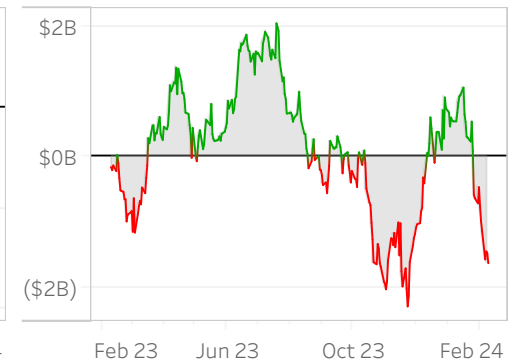
Technology



Utilities

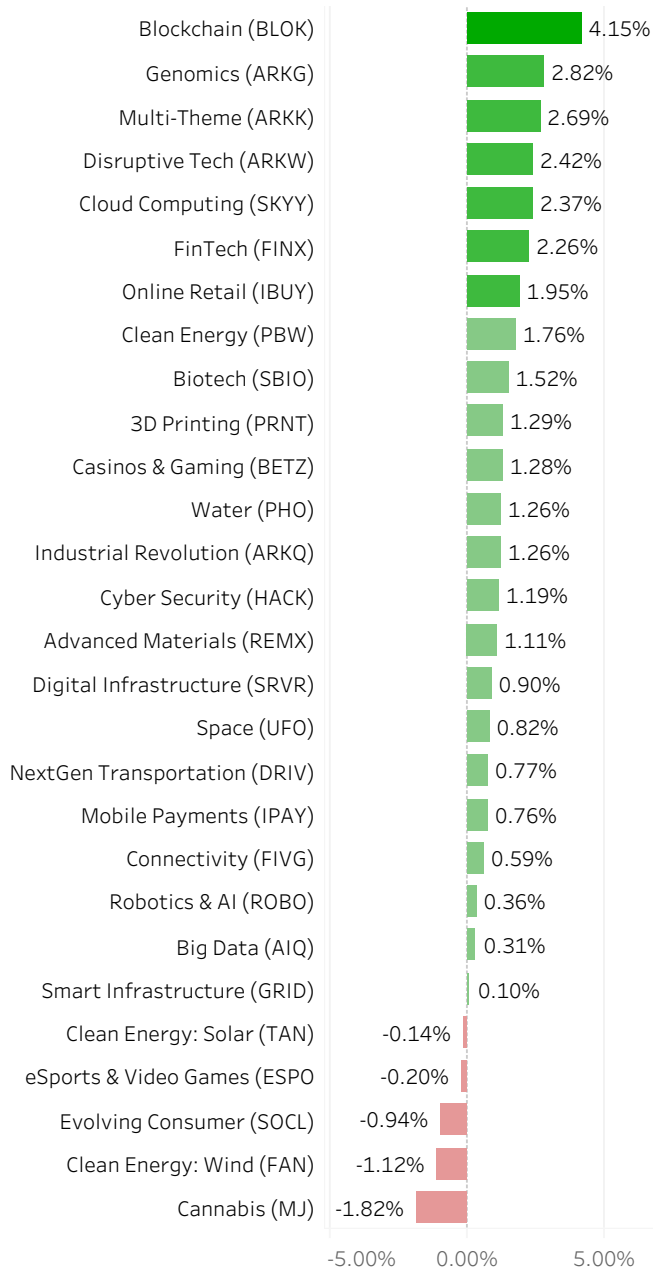


Multi-Sector

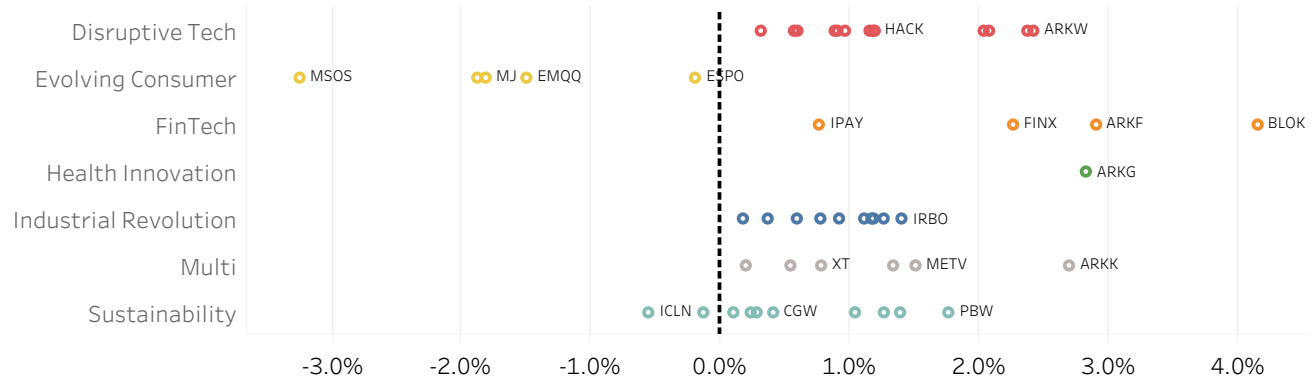


\* ETF Landscape represented using the ETF Action classification system \*\* Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\* Flows delayed one day

## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
WGMI	Valkyrie Bitcoin Miners ETF	15.36%
BKCH	Global X Blockchain ETF	11.42%
DAPP	VanEck Digital Transformation ETF	10.67%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	9.78%
BITQ	Bitwise Crypto Industry Innovators ETF	9.26%
BLOK	Amplify Transformational Data Sharing ETF	4.15%
SPRX	Spear Alpha ETF	3.59%
ARKF	ARK Fintech Innovation ETF	2.90%
ARKG	ARK Genomic Revolution ETF	2.82%
ARKK	ARK Innovation ETF	2.69%

## Thematic Most Overbought

Ticker	Fund	Price
FCLD	Fidelity Cloud Computing ETF	73.13
ENR	ERShares Entrepreneurs ETF	72.67
GBUY	Goldman Sachs Future Consumer Equity ETF	72.62
SAMT	Stratagis Macro Thematic Opportunities ETF	72.55
TECB	iShares U.S. Tech Breakthrough Multisector ETF	70.43
SPRX	Spear Alpha ETF	70.34
HACK	Amplify Cybersecurity ETF	69.89
QTUM	Defiance Quantum ETF	69.67
METV	Roundhill Ball Metaverse ETF	69.22
BETZ	Roundhill Sports Betting & iGaming ETF	69.15

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-3.26%
MJUS	Amplify U.S. Alternative Harvest ETF	-2.13%
KWEB	KraneShares CSI China Internet ETF	-1.88%
MJ	Amplify Alternative Harvest ETF	-1.82%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-1.50%
FAN	First Trust Global Wind Energy ETF	-1.12%
SOCL	Global X Social Media ETF	-0.94%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-0.91%
ICLN	iShares Global Clean Energy ETF	-0.56%
IDNA	iShares Genomics Immunology and Healthcare ETF	-0.27%

## Thematic Most Oversold

Ticker	Fund	Price
BATT	Amplify Lithium & Battery Technology ETF	35.88
LIT	Global X Lithium & Battery Tech ETF	36.57
REMX	VanEck Rare Earth/Strategic Metals ETF	36.66
FAN	First Trust Global Wind Energy ETF	38.29
SMOG	VanEck Low Carbon Energy ETF	38.69
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	41.22
PBD	Invesco Global Clean Energy ETF	41.93
KGRN	KraneShares MSCI China Clean Technology Index ETF	43.68
ERTH	Invesco MSCI Sustainable Future ETF	44.30
KWEB	KraneShares CSI China Internet ETF	45.36

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



## Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$214M
ARKG	ARK Genomic Revolution ETF	\$67M
MSOS	AdvisorShares Pure US Cannabis ETF	\$62M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$59M
AIQ	Global X Artificial Intelligence & Technology ETF	\$43M
ARKK	ARK Innovation ETF	\$43M
SPRX	Spear Alpha ETF	\$14M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$13M
KEMQ	KraneShares Emerging Markets Consumer Technology Index ETF	\$12M
TECB	iShares U.S. Tech Breakthrough Multisector ETF	\$12M

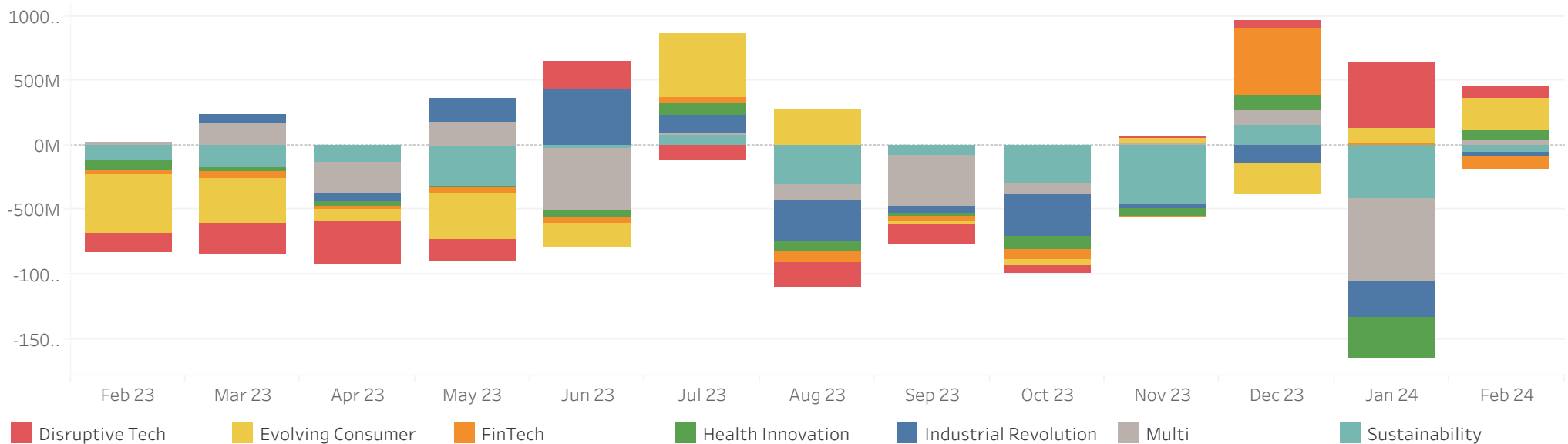
## Thematic 1 Week Flow Laggards

Ticker	Fund	
BLOK	Amplify Transformational Data Sharing ETF	(\$71M)
ICLN	iShares Global Clean Energy ETF	(\$29M)
TAN	Invesco Solar ETF	(\$17M)
METV	Roundhill Ball Metaverse ETF	(\$15M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$14M)
LIT	Global X Lithium & Battery Tech ETF	(\$11M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$11M)
GINN	Goldman Sachs Innovate Equity ETF	(\$11M)
ARKW	ARK Next Generation Internet ETF	(\$7M)
ESPO	VanEck Video Gaming and eSports ETF	(\$6M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$20B	\$137M	\$587M	\$265M	(\$497M)
Evolving Consumer	37	\$9B	\$254M	\$212M	\$79M	(\$537M)
FinTech	17	\$3B	(\$46M)	\$429M	\$257M	\$86M
Health Innovation	17	\$2B	\$10M	(\$162M)	(\$325M)	(\$486M)
Industrial Revolution	30	\$9B	(\$24M)	(\$504M)	(\$1,027M)	(\$414M)
Multi	35	\$15B	(\$29M)	(\$486M)	(\$904M)	(\$1,414M)
Sustainability	40	\$12B	(\$55M)	(\$541M)	(\$1,349M)	(\$2,173M)
Grand Total	209	\$71B	\$246M	(\$465M)	(\$3,004M)	(\$5,436M)

## Thematic Monthly Flows

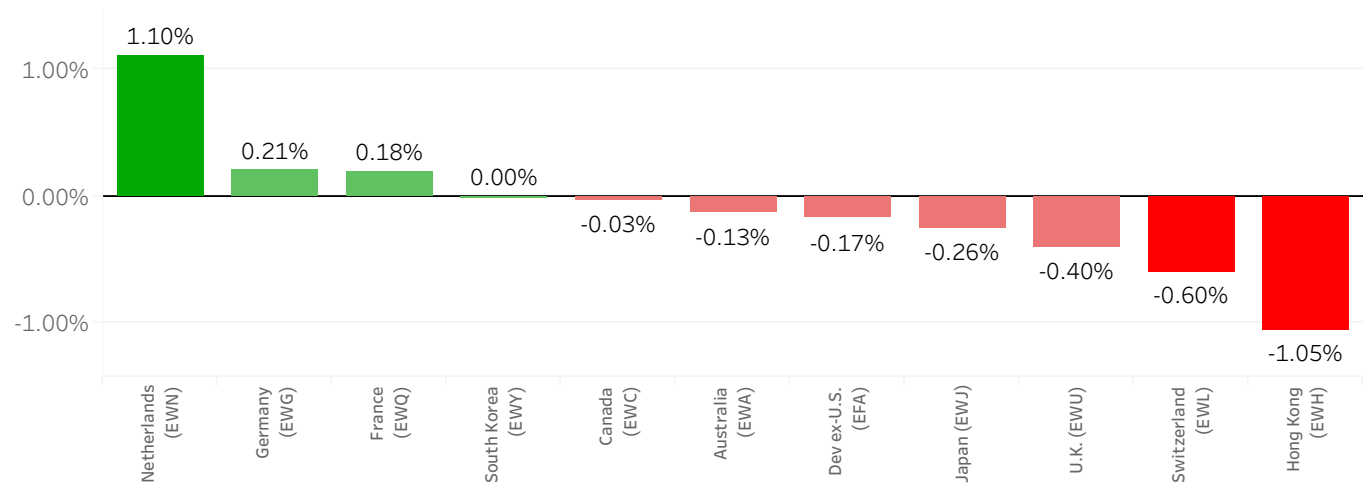


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

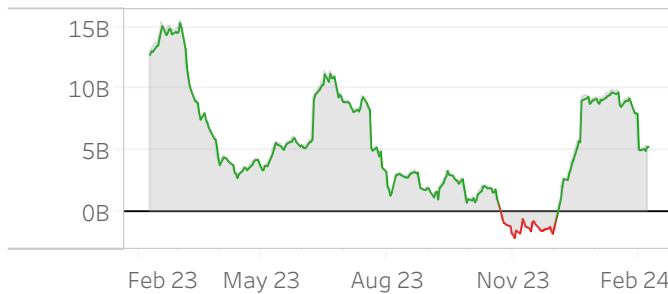
Developed ex-U.S. (EFA)



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



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



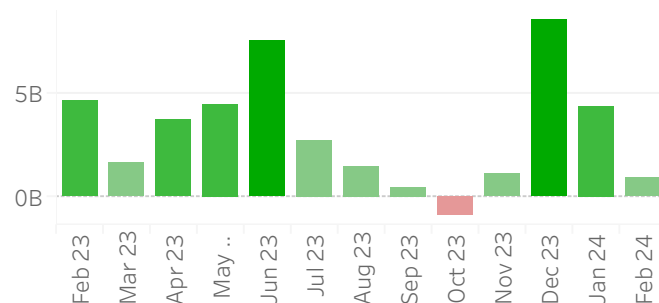
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	1.49%
EWN	iShares MSCI Netherlands ETF	1.10%
GREK	Global X MSCI Greece ETF	0.77%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.71%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.50%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.46%
DAX	Global X DAX Germany ETF	0.41%
DFE	WisdomTree Europe SmallCap Dividend Fund	0.39%
FEZ	SPDR EURO STOXX 50 ETF	0.35%
FYLD	Cambria Foreign Shareholder Yield ETF	0.31%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	74.76
HEDJ	WisdomTree Europe Hedged Equity Fund	74.55
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	71.10
EWN	iShares MSCI Netherlands ETF	70.67
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	70.53
EIRL	iShares MSCI Ireland ETF	70.07
HEWJ	iShares Currency Hedged MSCI Japan ETF	69.70
GREK	Global X MSCI Greece ETF	69.15
HEFA	iShares Currency Hedged MSCI EAFE ETF	68.48
TOK	iShares MSCI Kokusai ETF	67.87

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	-1.54%
FDD	First Trust Stoxx European Select Dividend Index Fund	-1.50%
ENZL	iShares MSCI New Zealand ETF	-1.47%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.46%
SCJ	iShares MSCI Japan Small-Cap ETF	-1.24%
IDV	iShares International Select Dividend ETF	-1.16%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-1.12%
EWH	iShares MSCI Hong Kong ETF	-1.05%
EWS	iShares MSCI Singapore ETF	-0.95%
EWJV	iShares MSCI Japan Value ETF	-0.94%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
FDD	First Trust Stoxx European Select Dividend Index Fu..	27.67
EWO	iShares MSCI Austria ETF	36.46
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	37.62
FIDI	Fidelity International High Dividend ETF	37.93
EWP	iShares MSCI Spain ETF	38.68
IDOG	ALPS International Sector Dividend Dogs ETF	39.24
EWL	iShares MSCI Switzerland ETF	40.83
IDV	iShares International Select Dividend ETF	41.06
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	41.44
EFAV	iShares MSCI EAFE Min Vol Factor ETF	41.62

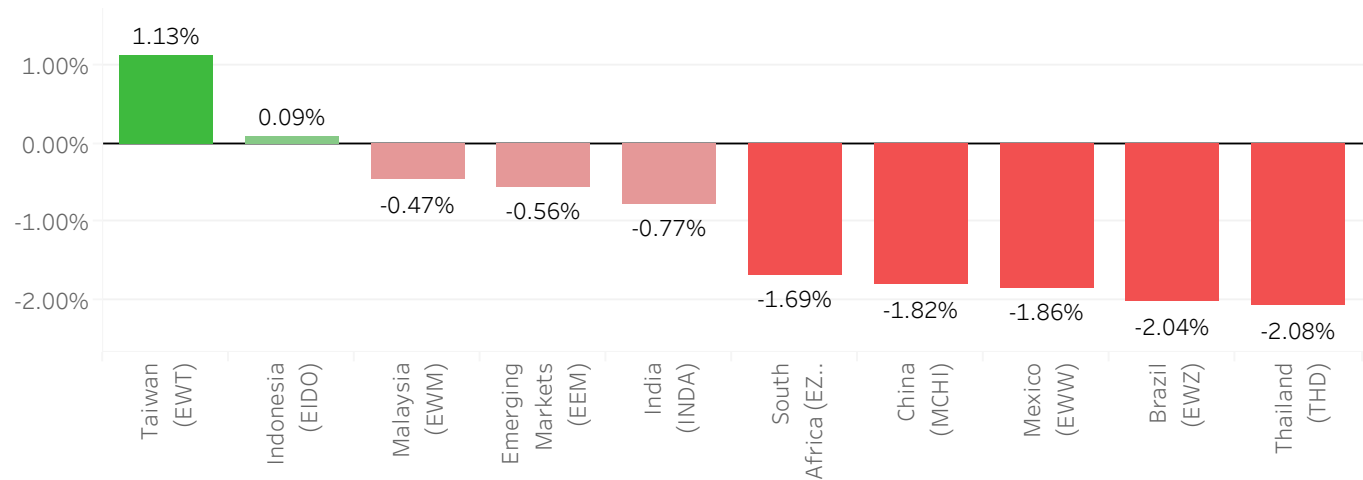
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



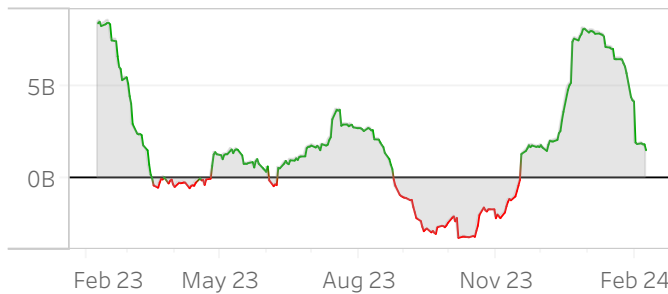
Emerging (EEM)



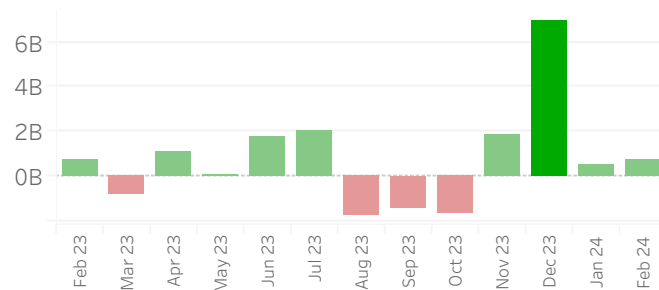
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
FLTW	Franklin FTSE Taiwan ETF	1.26%
TUR	iShares MSCI Turkey ETF	1.25%
EWT	iShares MSCI Taiwan ETF	1.13%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.60%
EYLD	Cambria Emerging Shareholder Yield ETF	0.54%
GLIN	VanEck India Growth Leaders ETF	0.52%
EWX	SPDR S&P Emerging Markets Small Cap ETF	0.09%
EIDO	iShares MSCI Indonesia ETF	0.09%
FEM	First Trust Emerging Markets AlphaDEX Fund	0.02%
EPHE	iShares MSCI Philippines ETF	0.00%

Emerging Most Overbought

Ticker	Fund	Value
EPHE	iShares MSCI Philippines ETF	74.03
EYLD	Cambria Emerging Shareholder Yield ETF	71.07
GLIN	VanEck India Growth Leaders ETF	70.89
TUR	iShares MSCI Turkey ETF	69.06
EPI	WisdomTree India Earnings Fund	67.15
FLTW	Franklin FTSE Taiwan ETF	66.28
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	65.24
FEM	First Trust Emerging Markets AlphaDEX Fund	63.71
EWT	iShares MSCI Taiwan ETF	63.04
EMXC	iShares MSCI Emerging Markets ex China ETF	62.28

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
FXI	iShares China Large-Cap ETF	-2.30%
FLN	First Trust Latin America AlphaDEX Fund	-2.11%
THD	iShares MSCI Thailand ETF	-2.08%
EWZ	iShares MSCI Brazil ETF	-2.04%
FLBR	Franklin FTSE Brazil ETF	-1.94%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.86%
EWZ	iShares MSCI Brazil Small-Cap ETF	-1.86%
ILF	iShares Latin America 40 ETF	-1.82%
MCHI	iShares MSCI China ETF	-1.82%
FLLA	Franklin FTSE Latin America ETF	-1.78%

Emerging Most Oversold

Ticker	Fund	Value
ECH	iShares MSCI Chile ETF	30.11
QAT	iShares MSCI Qatar ETF	35.88
ARGT	Global X MSCI Argentina ETF	38.43
EWZS	iShares MSCI Brazil Small-Cap ETF	39.93
THD	iShares MSCI Thailand ETF	42.57
EWZ	iShares MSCI Brazil ETF	42.79
EWM	iShares MSCI Malaysia ETF	42.98
FLBR	Franklin FTSE Brazil ETF	43.86
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	44.55
FLN	First Trust Latin America AlphaDEX Fund	44.62

\*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	-0.31%	-0.63%	-1.31%
SHY	1-3 Year Treasury Bonds	-0.02%	0.15%	0.05%
IEF	7-10 Year Treasury Bonds	-0.33%	-0.79%	-1.56%
TLT	20+ Year Treasury Bonds	-0.58%	-2.99%	-4.59%
TIP	TIPS Bonds	-0.08%	-0.54%	-0.94%
FLOT	Floating Rate Bonds	0.00%	0.69%	0.85%
LQD	Investment Grade Corporate	-0.51%	-0.74%	-1.79%
HYG	High Yield Corporate	-0.05%	0.61%	0.25%
BKLN	Senior Loan	0.14%	0.18%	0.22%
PFF	Preferred & Income Securities	0.35%	1.83%	2.55%
MUB	Municipal Bonds	-0.08%	-0.53%	-0.49%
MBB	MBS	-0.19%	-0.93%	-1.65%
EMB	Dollar Denominated EM Bonds	-0.13%	0.62%	-1.39%
LEMB	Local Currency EM Bond	-0.42%	-1.56%	-2.34%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.40%	-0.18%	-1.25%
DBE	Energy	1.80%	4.13%	4.62%
USO	WTI Crude Oil	3.03%	7.71%	7.31%
BNO	Brent Crude Oil	3.02%	7.98%	7.51%
UNG	Natural Gas	-4.50%	-27.54%	-14.10%
UGA	Gasoline	3.11%	14.05%	10.43%
DBP	Precious Metals	0.23%	-0.36%	-2.14%
GLD	Gold	-0.09%	0.24%	-1.49%
SLV	Silver	1.57%	-2.27%	-5.19%
PPLT	abrdn Physical Platin..	0.76%	-6.21%	-10.22%
PALL	abrdn Physical Palla..	-0.76%	-11.11%	-19.00%
DBB	Base Metals	-1.29%	-3.32%	-7.65%
CPER	Copper	-0.82%	-2.74%	-4.31%
DBA	Agriculture	0.96%	7.56%	6.36%
CORN	Corn	-0.50%	-4.11%	-7.05%
SOYB	Soybeans	0.64%	-3.38%	-6.81%
WEAT	Wheat	-1.59%	-2.96%	-6.70%
CANE	Sugar	0.13%	8.63%	12.71%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.11%	2.38%	3.40%
UDN	Short Dollar	-0.22%	-1.64%	-2.50%
FXE	Euro	0.05%	-1.43%	-2.11%
FXB	British Pound Sterling	-0.16%	-0.85%	-0.76%
FXF	Swiss Franc	-0.02%	-3.01%	-3.74%
FXJ	Japanese Yen	-0.83%	-3.55%	-5.76%
FXC	Canadian Dollar	-0.01%	-0.52%	-1.32%
FXA	Australian Dollar	-0.51%	-3.23%	-4.53%

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