

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

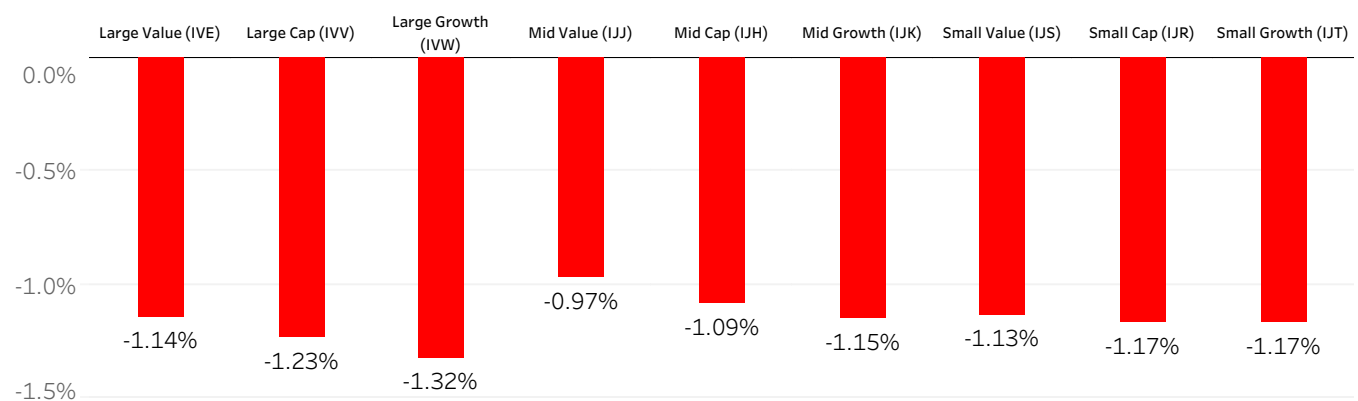


Small Cap Blend (S&P 600) IJR



■ 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
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.14%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-0.26%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	-0.31%
ABEQ	Absolute Select Value ETF	-0.40%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.52%
DURA	VanEck Durable High Dividend ETF	-0.54%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	-0.56%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-0.56%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.63%
HDV	iShares Core High Dividend ETF	-0.67%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	57.23
RPG	Invesco S&P 500 Pure Growth ETF	42.72
COWZ	Pacer US Cash Cows 100 ETF	42.70
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	41.60
QVAL	Alpha Architect US Quantitative Value ETF	40.87
ABEQ	Absolute Select Value ETF	40.86
FDLO	Fidelity Low Volatility Factor ETF	40.18
FTCS	First Trust Capital Strength ETF	39.90
MBOX	Freedom Day Dividend ETF	39.87
IPO	Renaissance IPO ETF	39.74

Size & Style 1-Day Performance Laggards

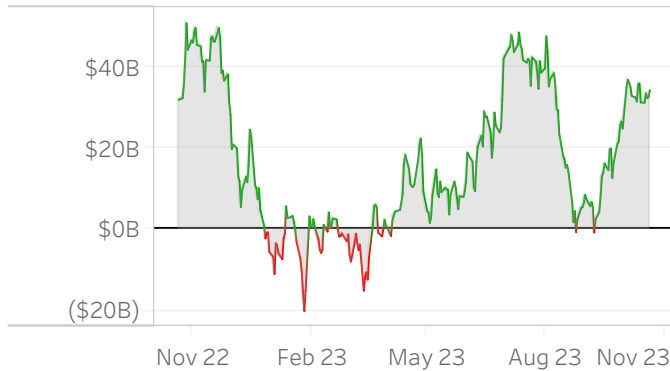
Ticker	Fund	1-Day Performance
WBIY	WBI Power Factor High Dividend ETF	-2.34%
QQH	HCM Defender 100 Index ETF	-2.08%
ALTL	Pacer Lunt Large Cap Alternator ETF	-2.03%
FFTY	Innovator IBD 50 ETF	-2.01%
SPHB	Invesco S&P 500 High Beta ETF	-1.98%
LCG	Sterling Capital Focus Equity ETF	-1.90%
RDVY	First Trust Rising Dividend Achievers ETF	-1.89%
LGH	HCM Defender 500 Index ETF	-1.75%
SVAL	iShares US Small Cap Value Factor ETF	-1.70%
IPO	Renaissance IPO ETF	-1.70%

Size & Style Most Oversold

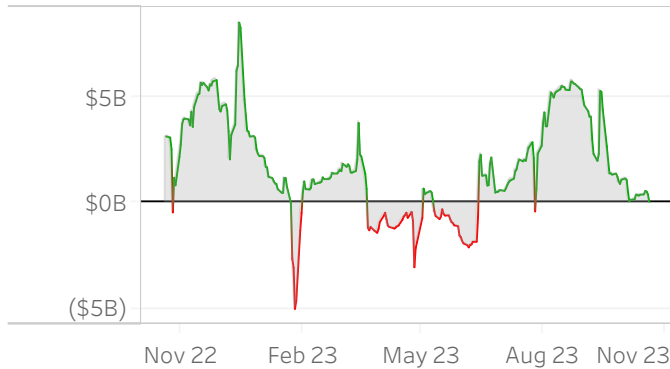
Ticker	Fund	Value
IWC	iShares Micro-Cap ETF	29.10
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	29.63
QQQN	VictoryShares Nasdaq Next 50 ETF	30.65
RPV	Invesco S&P 500 Pure Value ETF	30.77
QQQJ	Invesco NASDAQ Next Gen 100 ETF	31.05
SPHB	Invesco S&P 500 High Beta ETF	31.09
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	31.09
VTWG	Vanguard Russell 2000 Growth ETF	31.19
ALTL	Pacer Lunt Large Cap Alternator ETF	31.34
IWO	iShares Russell 2000 Growth ETF	31.34

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

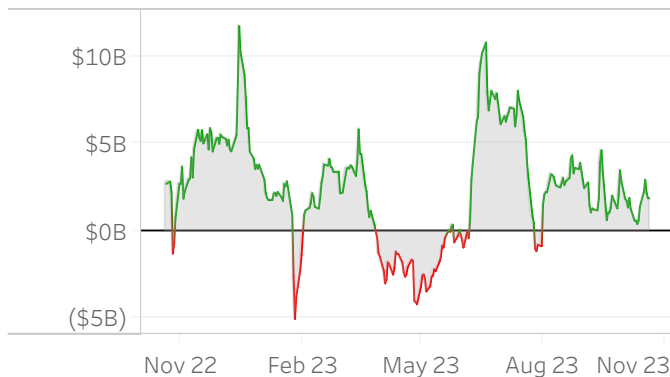
Large-Cap 30-Day Rolling Flows



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	\$1,421B	\$3.03B	\$23.26B	\$74.19B	\$73.22B
Large Cap, Beta, Beta: Growth	10	\$277B	\$0.55B	\$7.96B	\$8.04B	\$17.29B
Large Cap, Beta, Beta: Value	11	\$212B	(\$0.18B)	\$1.09B	(\$2.60B)	(\$6.23B)
Mid Cap, Beta, Beta	10	\$183B	(\$0.33B)	\$4.79B	\$5.64B	\$10.83B
Mid Cap, Beta, Beta: Growth	6	\$34B	(\$0.07B)	(\$0.25B)	\$0.57B	\$0.25B
Mid Cap, Beta, Beta: Value	6	\$36B	(\$0.14B)	(\$0.61B)	(\$1.70B)	(\$1.99B)
Small Cap, Beta, Beta	11	\$185B	(\$0.66B)	\$1.75B	\$6.95B	\$9.99B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.11B	(\$0.01B)	\$0.27B	\$0.70B
Small Cap, Beta, Beta: Value	7	\$45B	(\$0.03B)	(\$0.89B)	(\$1.33B)	(\$0.67B)

U.S. Size & Style Flow Leaders

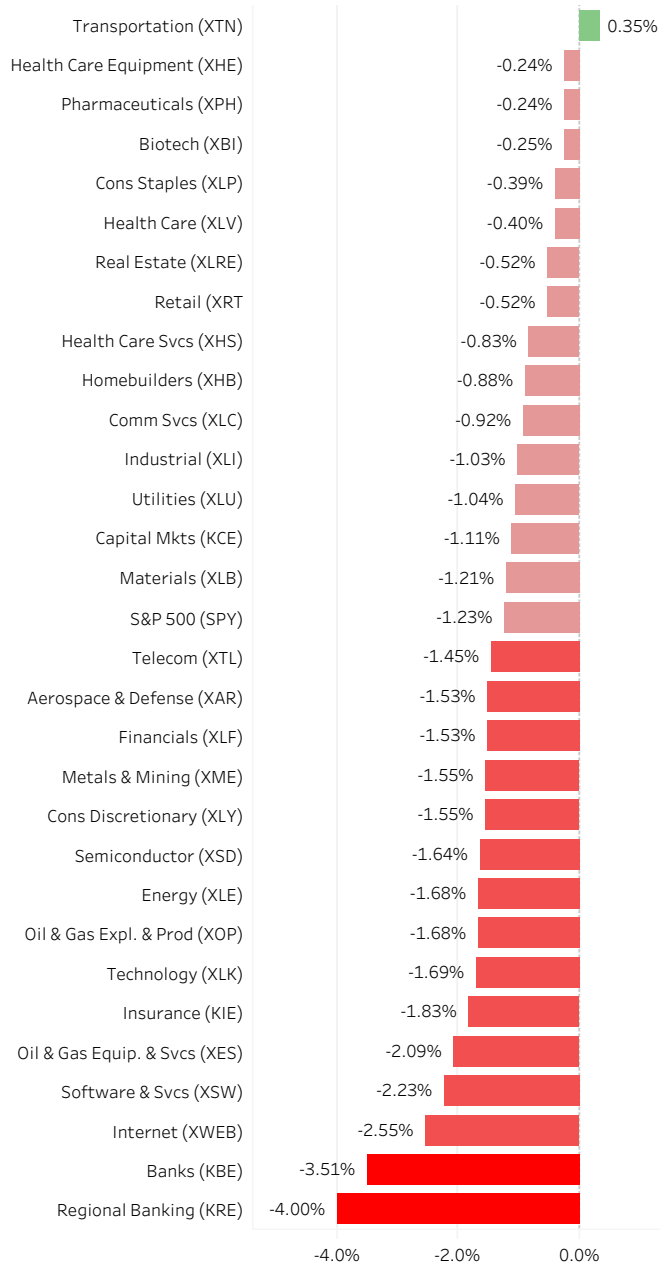
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.86B	\$17.16B	\$27.72B	\$24.43B	\$346.54B
OEF	iShares S&P 100 ETF	\$1.55B	\$1.96B	\$1.92B	\$1.28B	\$10.04B
SPY	SPDR S&P 500 ETF Trust	\$1.20B	(\$9.04B)	\$3.32B	(\$2.72B)	\$394.56B
IWY	iShares Russell Top 200 Growth ETF	\$0.53B	\$0.20B	\$0.35B	\$1.50B	\$7.15B
VTI	Vanguard Total Stock Market ETF	\$0.33B	\$5.75B	\$11.55B	\$19.78B	\$303.56B
COWZ	Pacer US Cash Cows 100 ETF	\$0.20B	\$1.95B	\$1.69B	\$6.66B	\$15.59B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.19B	\$0.62B	\$7.05B	\$9.37B	\$39.08B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.18B	\$0.80B	\$1.23B	\$9.37B	\$31.24B
XMHQ	Invesco S&P MidCap Quality ETF	\$0.18B	\$0.57B	\$1.00B	\$1.22B	\$1.60B
USMC	Principal U.S. Mega-Cap ETF	\$0.17B	\$0.21B	\$0.22B	\$0.37B	\$1.64B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$1.44B)	\$0.45B	\$8.38B	\$4.41B	\$200.49B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.99B)	(\$1.01B)	(\$1.82B)	(\$2.54B)	\$26.96B
IWM	iShares Russell 2000 ETF	(\$0.81B)	(\$0.53B)	\$1.33B	(\$0.63B)	\$48.37B
VOO	Vanguard S&P 500 ETF	(\$0.50B)	\$9.08B	\$24.94B	\$32.72B	\$324.27B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.44B)	\$3.57B	\$4.05B	\$7.11B	\$67.93B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.25B)	(\$1.40B)	(\$0.61B)	(\$1.40B)	\$27.59B
IWF	iShares Russell 1000 Growth ETF	(\$0.22B)	\$1.30B	\$0.66B	(\$1.04B)	\$69.86B
IUSG	iShares Core S&P U.S. Growth ETF	(\$0.16B)	\$0.06B	\$0.23B	\$0.96B	\$13.39B
DVY	iShares Select Dividend ETF	(\$0.16B)	(\$0.82B)	(\$2.09B)	(\$1.97B)	\$17.43B
SDY	SPDR S&P Dividend ETF	(\$0.13B)	(\$0.85B)	(\$1.44B)	(\$1.32B)	\$19.35B

\* 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	-3.33%	46.49%	-0.30%	7.97%	47.09
XLE	Energy Select Sector SPDR Fund	-4.06%	17.85%	0.74%	6.18%	52.63
SPY	SPDR S&P 500 ETF Trust	-7.99%	13.53%	-3.79%	-0.54%	35.12
XLV	Health Care Select Sector SPDR Fund	-8.59%	3.15%	-2.71%	-2.58%	38.62
XLK	Technology Select Sector SPDR Fund	-9.05%	37.97%	-2.88%	3.77%	39.78
XLI	Industrial Select Sector SPDR Fund	-10.88%	5.48%	-5.31%	-3.98%	34.67
XLB	Materials Select Sector SPDR Fund	-12.16%	3.31%	-5.95%	-6.65%	33.16
XLF	Financial Select Sector SPDR Fund	-12.97%	3.94%	-4.84%	-4.81%	32.91
XLP	Consumer Staples Select Sector SPDR Fund	-13.20%	1.59%	-4.53%	-8.20%	38.58
XLY	Consumer Discretionary Select Sector SPDR Fund	-14.28%	20.14%	-7.84%	-3.13%	31.00
XLU	Utilities Select Sector SPDR Fund	-20.15%	3.27%	-5.74%	-11.68%	38.85
XLRE	Real Estate Select Sector SPDR Fund	-21.71%	0.00%	-7.50%	-11.80%	32.70

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XTN	SPDR S&P Transportation ETF	0.35%
IYT	iShares US Transportation ETF	0.23%
PJP	Invesco Pharmaceuticals ETF	0.17%
IHI	iShares U.S. Medical Devices ETF	-0.11%
IYK	iShares U.S. Consumer Staples ETF	-0.15%
XHE	SPDR S&P Health Care Equipment ETF	-0.24%
XPH	SPDR S&P Pharmaceuticals ETF	-0.24%
XBI	SPDR S&P BIOTECH ETF	-0.25%
IYH	iShares U.S. Healthcare ETF	-0.26%
PBE	Invesco Biotechnology & Genome ETF	-0.28%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
AMLP	Alerian MLP ETF	61.79
MLPA	Global X MLP ETF	59.65
FCG	First Trust Natural Gas ETF	57.97
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	56.94
PXE	Invesco Energy Exploration & Production ETF	56.60
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	55.83
RSPG	Invesco S&P 500 Equal Weight Energy ETF	55.58
FXN	First Trust Energy AlphaDEX Fund	55.31
FTXN	First Trust Nasdaq Oil & Gas ETF	55.11
MLPX	Global X MLP & Energy Infrastructure ETF	52.68

### Sector & Industry 1 Day Performance Laggards

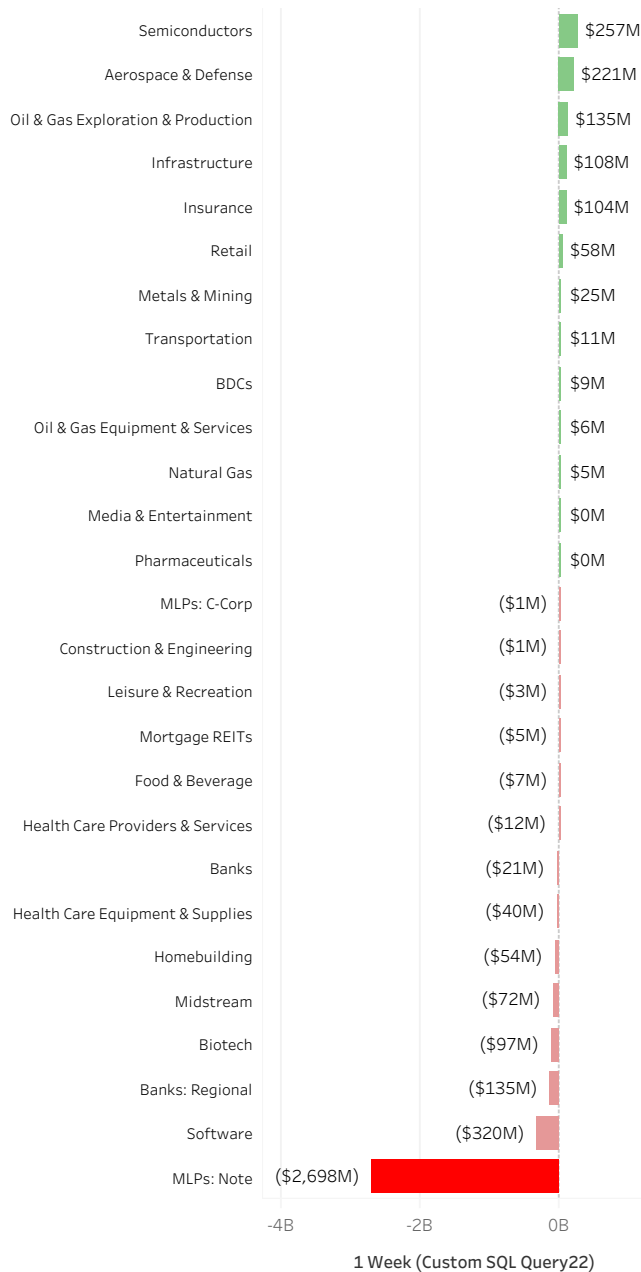
Ticker	Fund	1 Day Performance
IAT	iShares U.S. Regional Banks ETF	-4.53%
KRE	SPDR S&P Regional Banking ETF	-4.00%
FTXO	First Trust Nasdaq Bank ETF	-3.81%
KBE	SPDR S&P Bank ETF	-3.51%
KBWB	Invesco KBW Bank ETF	-3.02%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-2.80%
FXO	First Trust Financials AlphaDEX Fund	-2.62%
IGV	iShares Expanded Tech-Software Sector ETF	-2.53%
PTF	Invesco Dorsey Wright Technology Momentum ETF	-2.37%
XSW	SPDR S&P Software & Services ETF	-2.23%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XPH	SPDR S&P Pharmaceuticals ETF	21.97
FBT	First Trust NYSE Arca Biotechnology Index Fund	26.68
KBWD	Invesco KBW High Dividend Yield Financial ETF	26.92
INDS	Pacer Industrial Real Estate ETF	27.29
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	27.57
XBI	SPDR S&P BIOTECH ETF	28.27
XHE	SPDR S&P Health Care Equipment ETF	28.35
REM	iShares Mortgage Real Estate ETF	29.07
FTXG	First Trust Nasdaq Food & Beverage ETF	29.10
MORT	VanEck Mortgage REIT Income ETF	29.17

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## U.S. Sector & Industry 1-Week Flows



## U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$19B	\$140M	\$55M	\$1,676M	\$2,917M
Consumer Discretionary	12	\$25B	\$157M	\$445M	\$1,371M	\$2,096M
Consumer Staples	10	\$26B	(\$214M)	(\$1,732M)	(\$2,236M)	\$573M
Energy	31	\$75B	(\$1,828M)	\$524M	(\$4,015M)	(\$9,388M)
Financials	26	\$51B	(\$542M)	(\$5,356M)	(\$3,477M)	(\$1,637M)
Health Care	23	\$82B	(\$564M)	(\$3,435M)	(\$3,870M)	(\$4,830M)
Industrial	13	\$32B	(\$80M)	(\$775M)	\$612M	\$2,884M
Materials	9	\$12B	\$19M	(\$1,095M)	(\$2,014M)	(\$1,503M)
Multi-Sector	18	\$17B	\$23M	(\$444M)	\$2,251M	\$2,313M
Real Estate	25	\$49B	\$126M	(\$139M)	(\$67M)	(\$2,572M)
Technology	23	\$147B	(\$8M)	\$1,764M	\$1,524M	\$1,383M
Utilities	9	\$21B	(\$373M)	(\$1,161M)	(\$1,057M)	(\$1,534M)

## U.S. Sector & Industry Flow Leaders

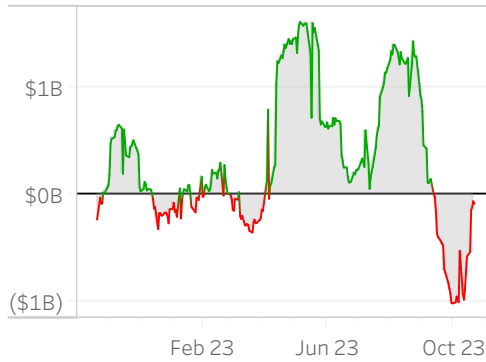
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$696M	\$2,614M	(\$838M)	(\$2,272M)	\$40,822M
IYW	iShares U.S. Technology ETF	\$551M	\$178M	(\$635M)	\$488M	\$11,574M
SOXX	iShares Semiconductor ETF	\$252M	\$482M	\$331M	\$552M	\$8,630M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$161M	\$511M	\$800M	\$823M	\$15,970M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$138M	(\$363M)	(\$243M)	(\$779M)	\$3,847M
ITA	iShares U.S. Aerospace & Defense ETF	\$131M	(\$196M)	(\$492M)	\$1,102M	\$5,093M
XLC	Communication Services Select Sector SPDR Fu..	\$122M	(\$24M)	\$1,261M	\$2,486M	\$14,020M
IYR	iShares U.S. Real Estate ETF	\$122M	(\$144M)	(\$30M)	(\$440M)	\$2,463M
XLRE	Real Estate Select Sector SPDR Fund	\$99M	(\$6M)	\$140M	(\$196M)	\$4,113M
KIE	SPDR S&P Insurance ETF	\$99M	\$155M	\$121M	\$196M	\$651M

## U.S. Sector & Industry Flow Laggards

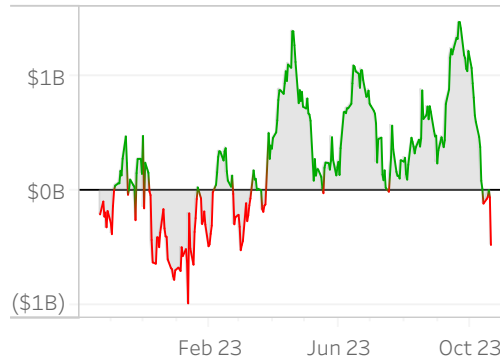
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
AMJ	J.P. Morgan Alerian MLP Index ETN	(\$2,698M)	(\$2,734M)	(\$2,742M)	(\$2,756M)	\$300M
XLK	Technology Select Sector SPDR Fund	(\$372M)	\$321M	\$251M	(\$1,789M)	\$48,153M
IGV	iShares Expanded Tech-Software Sector ETF	(\$320M)	(\$831M)	(\$262M)	(\$452M)	\$5,945M
XLV	Health Care Select Sector SPDR Fund	(\$290M)	(\$1,555M)	(\$875M)	(\$640M)	\$37,558M
VFH	Vanguard Financials ETF	(\$285M)	(\$423M)	(\$118M)	(\$728M)	\$7,626M
FUTY	Fidelity MSCI Utilities Index ETF	(\$240M)	(\$359M)	(\$489M)	(\$460M)	\$1,315M
XLI	Industrial Select Sector SPDR Fund	(\$204M)	(\$562M)	\$416M	\$770M	\$13,940M
XLP	Consumer Staples Select Sector SPDR Fund	(\$192M)	(\$94M)	(\$610M)	\$1,427M	\$15,771M
XLF	Financial Select Sector SPDR Fund	(\$158M)	(\$3,344M)	(\$1,725M)	\$472M	\$29,576M
XLU	Utilities Select Sector SPDR Fund	(\$132M)	(\$620M)	(\$494M)	(\$647M)	\$13,187M

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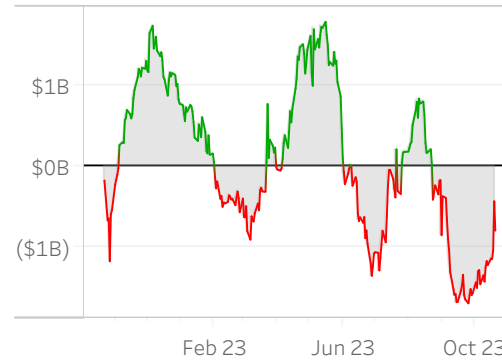
Communication Services



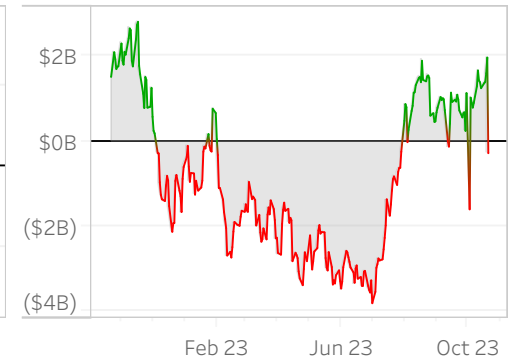
Consumer Discretionary



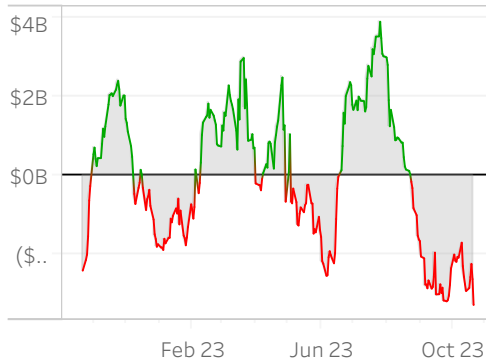
Consumer Staples



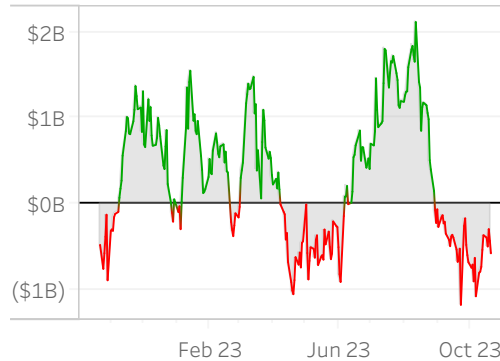
Energy



Financials



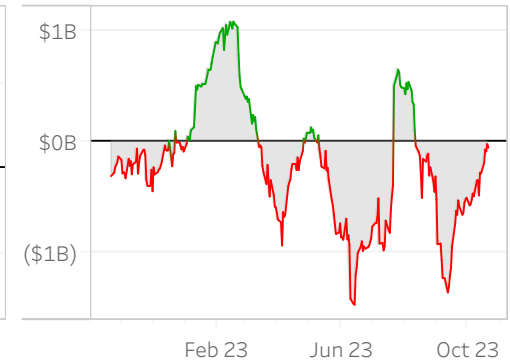
Industrial



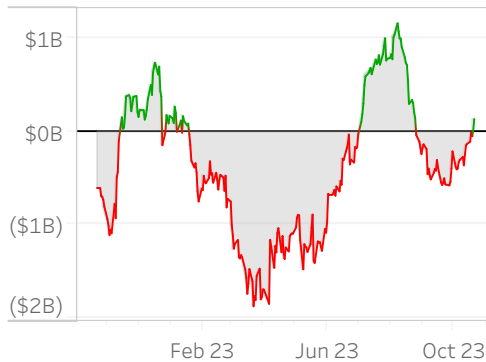
Health Care



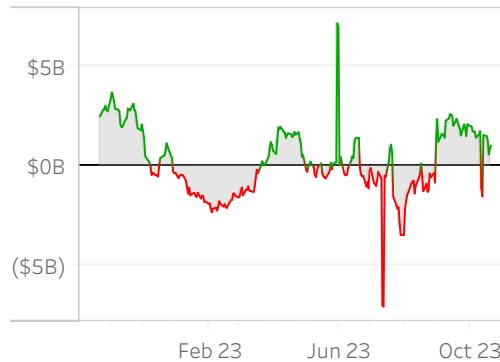
Materials



Real Estate



Technology



Utilities

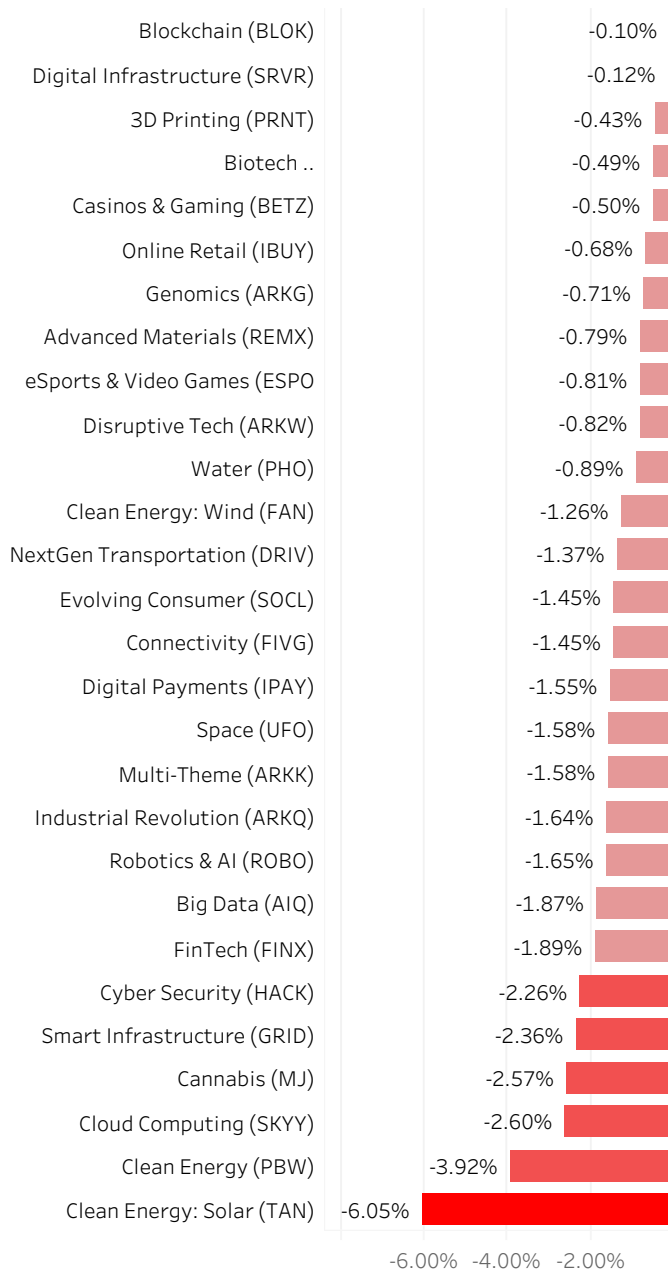


Multi-Sector

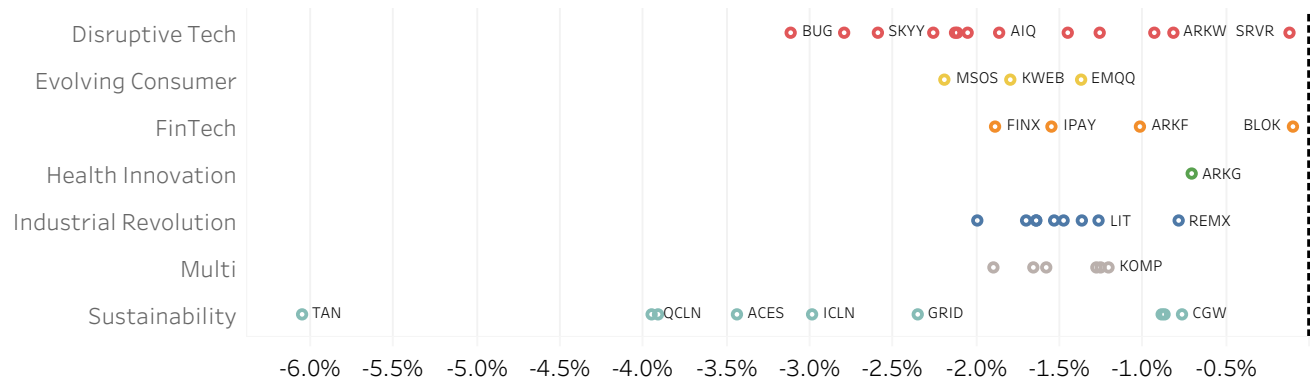


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	1.60%
BKCH	Global X Blockchain ETF	0.37%
IDNA	iShares Genomics Immunology and Healthcare ETF	0.00%
BLOK	Amplify Transformational Data Sharing ETF	-0.10%
SRVR	Pacer Data & Infrastructure Real Estate ETF	-0.12%
AGNG	Global X Aging Population ETF	-0.20%
EDOC	Global X Telemedicine & Digital Health ETF Registered	-0.35%
PRNT	3D Printing ETF	-0.43%
SBIO	ALPS Medical Breakthroughs ETF	-0.49%
BETZ	Roundhill Sports Betting & iGaming ETF	-0.50%

## Thematic Most Overbought

Ticker	Fund	Price
HACK	ETFMG Prime Cyber Security ETF	43.46
SAMT	Stratigas Macro Thematic Opportunities ETF	42.84
METV	Roundhill Ball Metaverse ETF	41.67
BITQ	Bitwise Crypto Industry Innovators ETF	41.52
BLOK	Amplify Transformational Data Sharing ETF	41.18
BKCH	Global X Blockchain ETF	40.85
MSOS	AdvisorShares Pure US Cannabis ETF	40.14
CIBR	First Trust NASDAQ Cybersecurity ETF	39.98
ARKW	ARK Next Generation Internet ETF	39.38
IHAK	iShares Cybersecurity & Tech ETF	38.81

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TAN	Invesco Solar ETF	-6.05%
CTEC	Global X CleanTech ETF	-4.58%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-3.95%
PBW	Invesco WilderHill Clean Energy ETF	-3.92%
ACES	ALPS Clean Energy ETF	-3.44%
BUG	Global X Cybersecurity ETF	-3.12%
CNRG	SPDR S&P Kensho Clean Power ETF	-3.02%
ICLN	iShares Global Clean Energy ETF	-2.99%
WCLD	WisdomTree Cloud Computing Fund	-2.80%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-2.77%

## Thematic Most Oversold

Ticker	Fund	Price
IDNA	iShares Genomics Immunology and Healthcare ETF	19.67
IZRL	ARK Israel Innovative Technology ETF	22.20
ARKG	ARK Genomic Revolution ETF	23.16
BATT	Amplify Lithium & Battery Technology ETF	23.81
HTEC	ROBO Global Healthcare Technology and Innovation ETF	24.53
GNOM	Global X Genomics & Biotechnology ETF	24.90
EDOC	Global X Telemedicine & Digital Health ETF Registered	25.07
REMX	VanEck Rare Earth/Strategic Metals ETF	25.14
SBIO	ALPS Medical Breakthroughs ETF	25.51
KLDW	Knowledge Leaders Developed World ETF	25.80

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## Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
MSOS	AdvisorShares Pure US Cannabis ETF	\$29M
AIQ	Global X Artificial Intelligence & Technology ETF	\$22M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$15M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$12M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$7M
CNCR	Range Cancer Therapeutics ETF	\$4M
FMIL	Fidelity New Millennium ETF	\$2M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$2M
ONLN	ProShares Online Retail ETF	\$2M
GXTG	Global X Thematic Growth ETF	\$1M

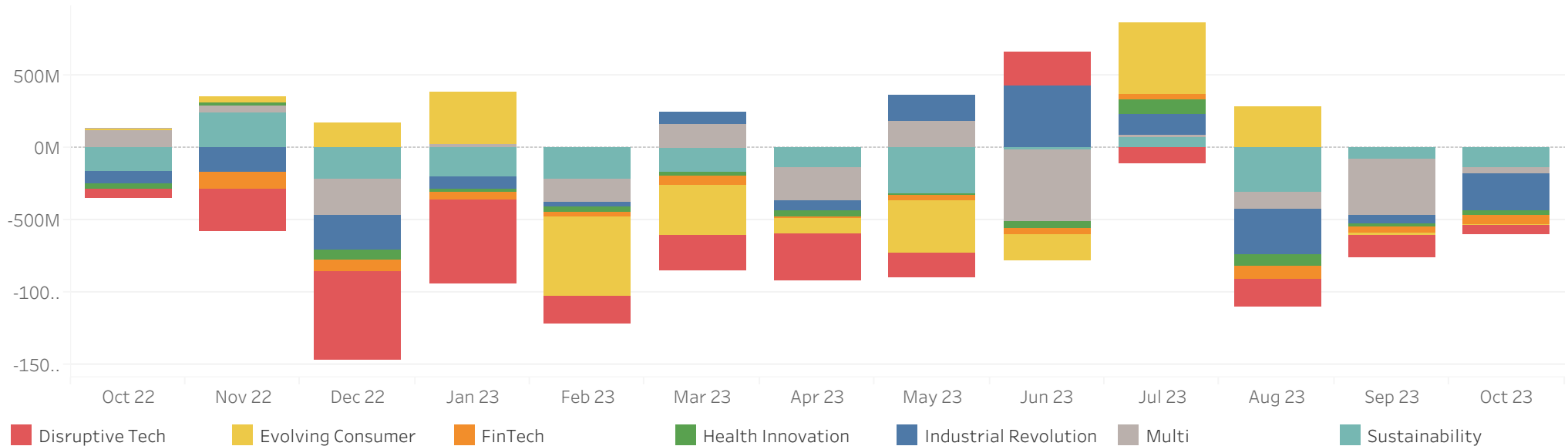
## Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$74M)
KWEB	KraneShares CSI China Internet ETF	(\$67M)
SKYY	First Trust Cloud Computing ETF	(\$53M)
LIT	Global X Lithium & Battery Tech ETF	(\$42M)
ICLN	iShares Global Clean Energy ETF	(\$32M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$21M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$18M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$16M)
ARKW	ARK Next Generation Internet ETF	(\$16M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$15M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$16B	(\$58M)	(\$413M)	(\$549M)	(\$2,733M)
Evolving Consumer	38	\$8B	(\$41M)	\$359M	\$111M	(\$224M)
FinTech	17	\$2B	(\$5M)	(\$196M)	(\$242M)	(\$586M)
Health Innovation	18	\$2B	(\$9M)	(\$98M)	(\$159M)	(\$346M)
Industrial Revolution	30	\$10B	(\$59M)	(\$656M)	\$95M	(\$443M)
Multi	37	\$13B	(\$60M)	(\$637M)	(\$1,084M)	(\$1,144M)
Sustainability	40	\$13B	(\$22M)	(\$630M)	(\$919M)	(\$1,680M)
<b>Grand Total</b>	<b>213</b>	<b>\$63B</b>	<b>(\$253M)</b>	<b>(\$2,270M)</b>	<b>(\$2,747M)</b>	<b>(\$7,157M)</b>

## Thematic Monthly Flows

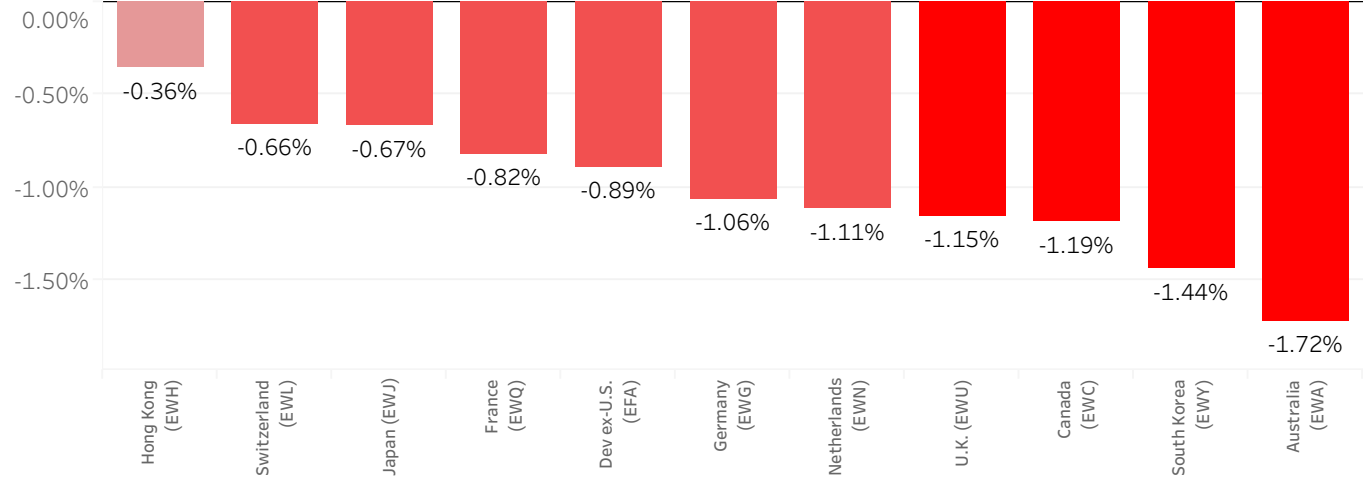


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

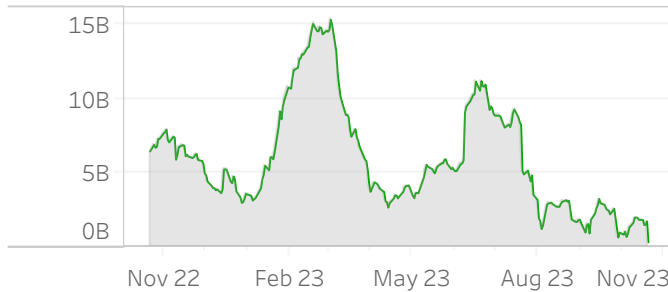
Developed ex-U.S. (EFA)



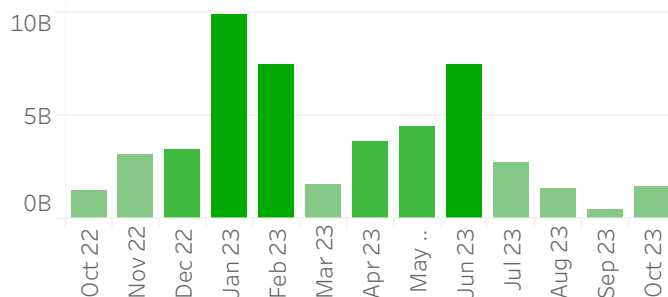
Developed ex-U.S. 1-Day Performance Top 10 Countries



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



Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-0.24%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.33%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.36%
EWJ	iShares MSCI Hong Kong ETF	-0.36%
EDEN	iShares MSCI Denmark ETF	-0.45%
FLJH	Franklin FTSE Japan Hedged ETF	-0.47%
EWI	iShares MSCI Italy ETF	-0.47%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.56%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.60%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatility I..	-0.61%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
GREK	Global X MSCI Greece ETF	45.45
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	43.75
DXJ	WisdomTree Japan Hedged Equity Fund	41.80
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	40.12
HEWJ	iShares Currency Hedged MSCI Japan ETF	39.69
FLJH	Franklin FTSE Japan Hedged ETF	39.64
EWP	iShares MSCI Spain ETF	39.27
FYLD	Cambria Foreign Shareholder Yield ETF	39.01
EWI	iShares MSCI Italy ETF	38.95
FLCA	Franklin FTSE Canada ETF	38.14

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

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	-2.15%
NORW	Global X MSCI Norway ETF	-1.94%
EWA	iShares MSCI Australia ETF	-1.72%
EWD	iShares MSCI Sweden ETF	-1.67%
EIRL	iShares MSCI Ireland ETF	-1.45%
FDD	First Trust Stoxx European Select Dividend Index Fund	-1.45%
IMOM	Alpha Architect International Quantitative Momentum ETF	-1.44%
EWY	iShares MSCI South Korea ETF	-1.44%
EPP	iShares MSCI Pacific ex-Japan ETF	-1.39%
FLKR	Franklin FTSE South Korea ETF	-1.34%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
EIS	iShares MSCI Israel ETF	19.86
EFAD	ProShares MSCI EAFE Dividend Growers ETF	26.54
PDN	Invesco FTSE RAFI Developed Markets ex-US Small-..	27.50
GWX	SPDR S&P International Small Cap ETF	27.53
SCZ	iShares MSCI EAFE Small-Cap ETF	28.50
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	28.55
FNDG	Schwab Fundamental International Small Co. Index ..	28.68
IHDG	WisdomTree International Hedged Quality Dividend ..	28.78
SCHC	Schwab International Small-Cap Equity ETF	29.11
ISCF	iShares International SmallCap Equity Factor ETF	29.11

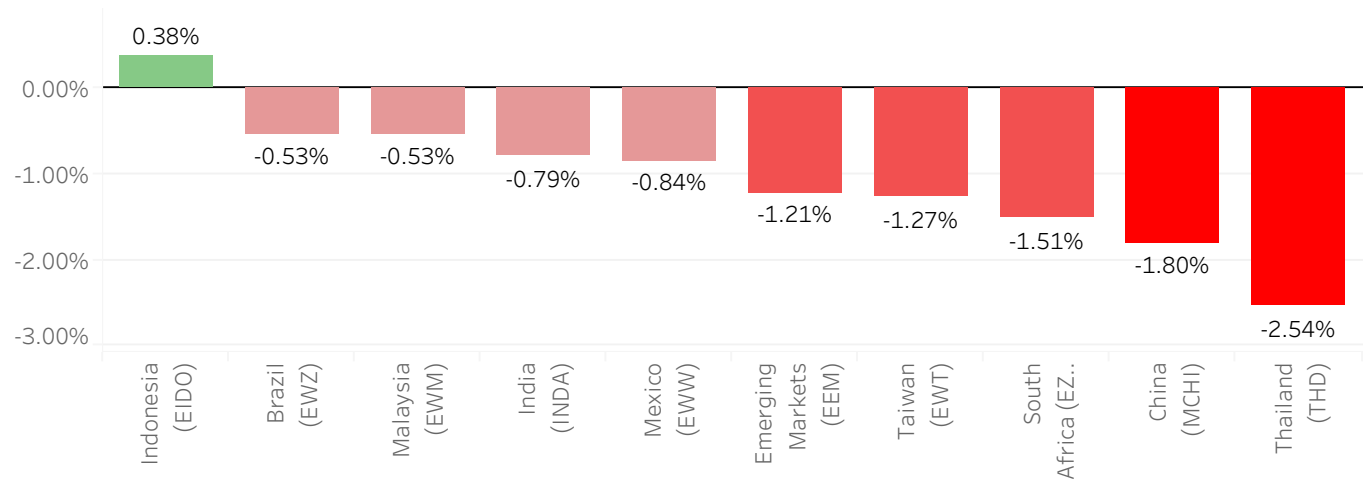
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



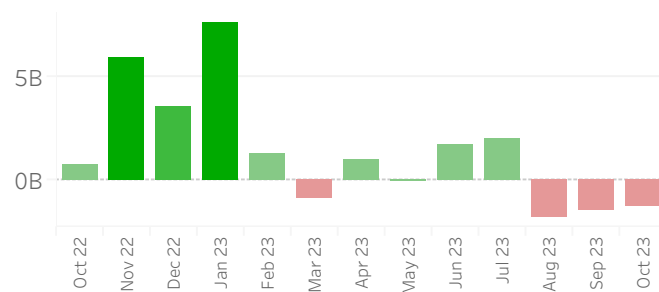
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIDO	iShares MSCI Indonesia ETF	0.38%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.00%
FLN	First Trust Latin America AlphaDEX Fund	-0.49%
EWZ	iShares MSCI Brazil ETF	-0.53%
EWM	iShares MSCI Malaysia ETF	-0.53%
FLBR	Franklin FTSE Brazil ETF	-0.55%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.55%
EPU	iShares MSCI Peru and Global Exposure ETF	-0.68%
FLLA	Franklin FTSE Latin America ETF	-0.68%
MEM	Matthews Emerging Markets Equity Active ETF	-0.74%

Emerging Most Overbought

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	56.02
SMIN	iShares MSCI India Small Cap ETF	48.98
NFTY	First Trust India NIFTY 50 Equal Weight ETF	48.80
GLIN	VanEck India Growth Leaders ETF	47.58
EPI	WisdomTree India Earnings Fund	45.03
EWZ	iShares MSCI Brazil ETF	44.07
FLBR	Franklin FTSE Brazil ETF	43.99
FLIN	Franklin FTSE India ETF	43.94
INDA	iShares MSCI India ETF	43.61
PIN	Invesco India ETF	43.11

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
THD	iShares MSCI Thailand ETF	-2.54%
TUR	iShares MSCI Turkey ETF	-2.28%
FXI	iShares China Large-Cap ETF	-2.07%
MCHI	iShares MSCI China ETF	-1.80%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-1.63%
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	-1.57%
ECH	iShares MSCI Chile ETF	-1.56%
GXC	SPDR S&P China ETF	-1.56%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.52%
EZA	iShares MSCI South Africa ETF	-1.51%

Emerging Most Oversold

Ticker	Fund	Value
EIDO	iShares MSCI Indonesia ETF	21.18
RAYC	Rayliant Quantamental China Equity ETF	22.79
CNYA	iShares MSCI China A ETF	24.35
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	24.84
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	25.00
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	25.70
FEM	First Trust Emerging Markets AlphaDEX Fund	26.61
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	27.56
JPEM	JPMorgan Diversified Return Emerging Markets Equ..	27.78
THD	iShares MSCI Thailand ETF	28.01

\*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	0.36%	-3.20%	-2.91%
SHY	1-3 Year Treasury Bonds	0.16%	0.46%	1.84%
IEF	7-10 Year Treasury Bonds	0.58%	-3.31%	-4.60%
TLT	20+ Year Treasury Bonds	0.57%	-10.29%	-14.31%
TIP	TIPS Bonds	0.30%	-1.72%	-1.35%
FLOT	Floating Rate Bonds	0.04%	0.45%	5.20%
LQD	Investment Grade Corporate	0.40%	-4.99%	-3.50%
HYG	High Yield Corporate	0.21%	-2.81%	2.15%
BKLN	Senior Loan	0.00%	-0.71%	8.95%
PFF	Preferred & Income Securities	0.60%	-6.39%	-1.95%
MUB	Municipal Bonds	0.28%	-2.81%	-1.99%
MBB	MBS	0.28%	-4.44%	-4.81%
EMB	Dollar Denominated EM Bonds	0.55%	-4.53%	-1.68%
LEMB	Local Currency EM Bond	0.00%	-3.72%	-1.44%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.64%	-0.70%	-3.29%
DBE	Energy	-0.65%	-0.92%	4.01%
USO	WTI Crude Oil	-1.20%	0.70%	15.10%
BNO	Brent Crude Oil	-1.05%	0.63%	13.76%
UNG	Natural Gas	-1.88%	-0.15%	-51.91%
UGA	Gasoline	-0.37%	-7.37%	11.31%
DBP	Precious Metals	0.54%	1.93%	5.47%
GLD	Gold	0.27%	2.36%	8.22%
SLV	Silver	1.37%	0.28%	-2.82%
PPLT	abrdn Physical Platin..	0.56%	-3.64%	-16.73%
PALL	abrdn Physical Palla..	-0.66%	-12.43%	-38.37%
DBB	Base Metals	-0.28%	-3.33%	-7.46%
CPER	Copper	-1.12%	-4.17%	-4.37%
DBA	Agriculture	-0.23%	-1.31%	8.78%
CORN	Corn	-1.30%	2.70%	-15.34%
SOYB	Soybeans	-0.97%	-0.72%	-3.65%
WEAT	Wheat	-1.34%	0.00%	-26.44%
CANE	Sugar	-1.33%	-0.80%	56.24%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.03%	1.36%	7.30%
UDN	Short Dollar	-0.03%	-0.49%	-0.65%
FXE	Euro	0.04%	-0.42%	0.17%
FXB	British Pound Sterling	0.00%	-1.23%	2.93%
FXF	Swiss Franc	0.07%	0.79%	3.36%
FXJ	Japanese Yen	-0.05%	-1.12%	-12.81%
FXC	Canadian Dollar	0.01%	-1.58%	0.38%
FXA	Australian Dollar	-0.36%	-2.01%	-6.52%

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