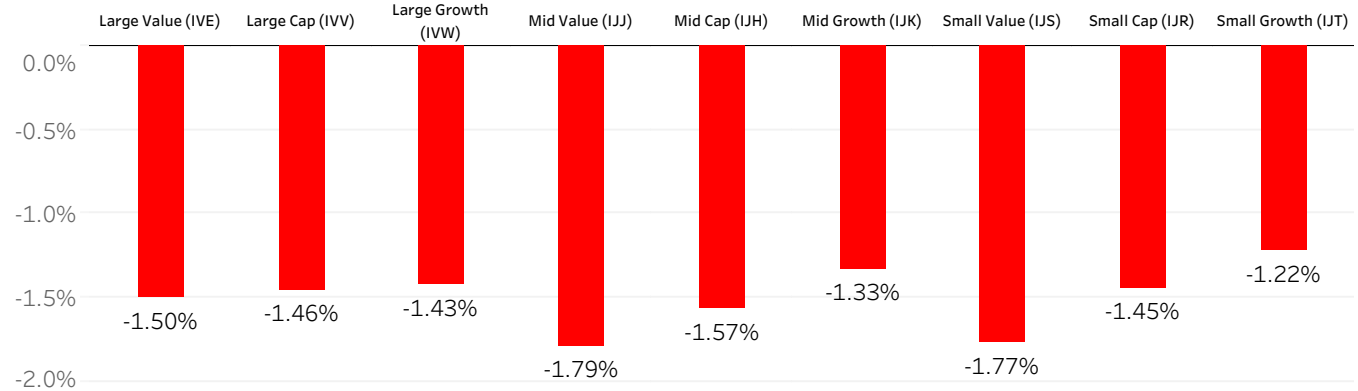


Large Cap Blend (S&P 500) IVV



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
SPC	CrossingBridge Pre-Merger SPAC ETF	0.14%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	-0.29%
QMOM	MomentumShares US Quantitative Momentum ETF	-0.64%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-0.74%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-0.74%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	-0.76%
PTNQ	Pacer Trendpilot 100 ETF	-0.76%
IWC	iShares Micro-Cap ETF	-0.80%
RPHS	Regents Park Hedged Market Strategy ETF	-0.81%
TMFS	Motley Fool Small-Cap Growth ETF	-0.83%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	68.80
QVAL	Alpha Architect US Quantitative Value ETF	44.28
SIXS	ETC 6 Meridian Small Cap Equity ETF	38.27
SPVU	Invesco S&P 500 Enhanced Value ETF	37.66
SYLD	Cambria Shareholder Yield ETF	37.55
SPMO	Invesco S&P 500 Momentum ETF	37.38
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	37.18
MGMT	Ballast Small/Mid Cap ETF	37.13
XSVM	Invesco S&P SmallCap Value with Momentum ETF	37.10
COWZ	Pacer US Cash Cows 100 ETF	35.97

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-2.68%
QQH	HCM Defender 100 Index ETF	-1.99%
LGH	HCM Defender 500 Index ETF	-1.98%
DVY	iShares Select Dividend ETF	-1.96%
RFV	Invesco S&P Midcap 400 Pure Value ETF	-1.95%
CWS	AdvisorShares Focused Equity ETF	-1.90%
CSD	Invesco S&P Spin-Off ETF	-1.87%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-1.85%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-1.84%
FNK	First Trust Mid Cap Value AlphaDEX Fund	-1.82%

Size & Style Most Oversold

Ticker	Fund	Value
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	22.21
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	22.58
AIVL	WisdomTree U.S. AI Enhanced Value Fund	23.00
SDY	SPDR S&P Dividend ETF	23.32
GSEW	Goldman Sachs Equal Weight U.S. Large Cap Equity ..	23.32
QQQN	VictoryShares Nasdaq Next 50 ETF	23.70
KRMA	Global X Conscious Companies ETF	23.86
LCG	Sterling Capital Focus Equity ETF	24.12
QQQJ	Invesco NASDAQ Next Gen 100 ETF	24.18
VSDA	VictoryShares Dividend Accelerator ETF	24.26

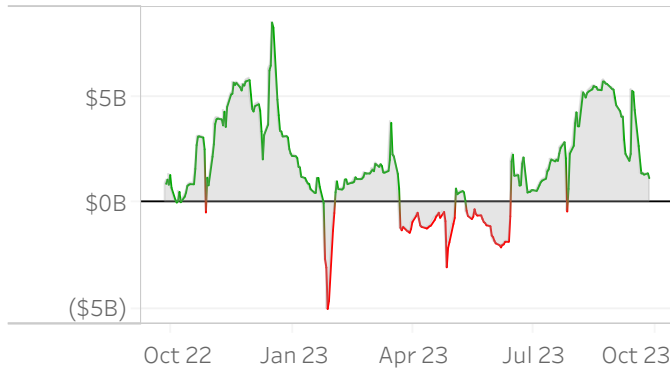
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

*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	\$1,427B	\$3.17B	\$39.02B	\$69.26B	\$78.18B
Large Cap, Beta, Beta: Growth	10	\$274B	\$1.07B	\$3.52B	\$6.00B	\$17.48B
Large Cap, Beta, Beta: Value	11	\$218B	(\$0.51B)	\$1.64B	(\$4.15B)	(\$4.85B)
Mid Cap, Beta, Beta	10	\$190B	\$0.07B	\$6.31B	\$6.90B	\$12.88B
Mid Cap, Beta, Beta: Growth	6	\$34B	(\$0.02B)	\$0.23B	\$0.82B	\$0.56B
Mid Cap, Beta, Beta: Value	6	\$38B	\$0.03B	(\$0.56B)	(\$1.30B)	(\$1.15B)
Small Cap, Beta, Beta	11	\$192B	\$0.22B	\$1.78B	\$5.09B	\$9.29B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.01B	\$0.20B	\$0.47B	\$1.10B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.21B)	(\$0.47B)	(\$1.55B)	(\$0.42B)

U.S. Size & Style Flow Leaders

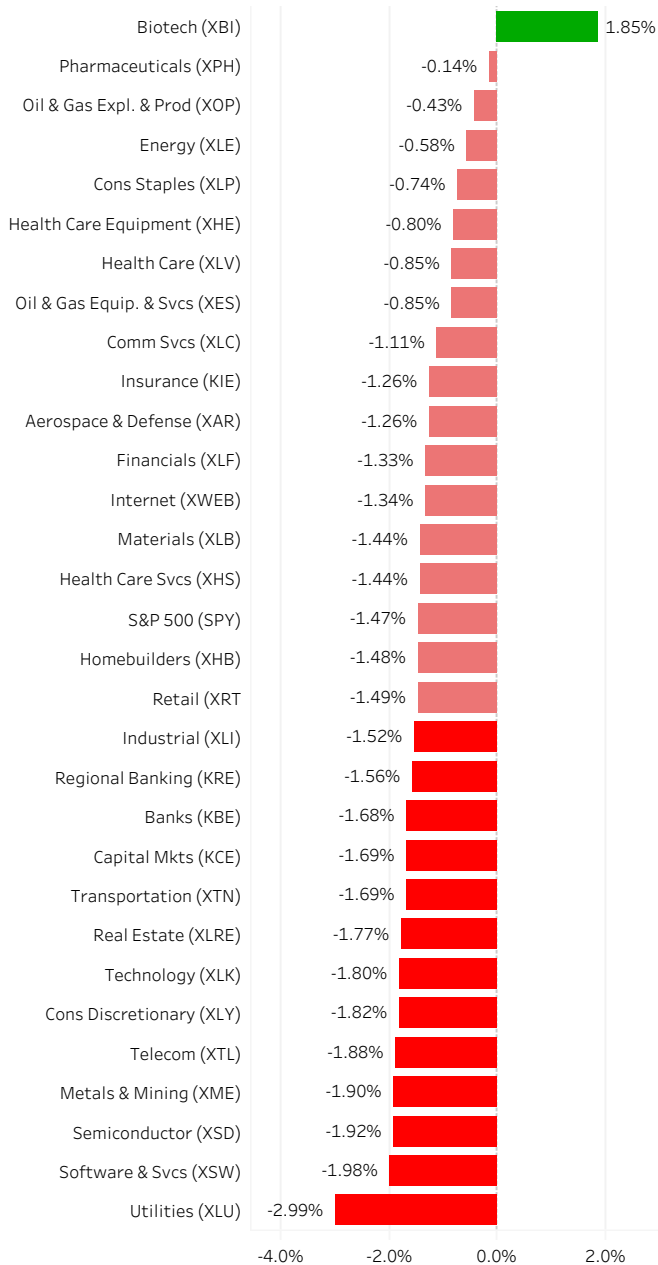
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$8.83B	\$1.10B	\$15.97B	\$12.32B	\$409.56B
IWF	iShares Russell 1000 Growth ETF	\$0.90B	\$0.11B	\$0.17B	(\$0.26B)	\$69.91B
VOO	Vanguard S&P 500 ETF	\$0.48B	\$15.67B	\$25.36B	\$33.24B	\$326.00B
VTI	Vanguard Total Stock Market ETF	\$0.33B	\$5.60B	\$10.91B	\$20.97B	\$305.10B
IWM	iShares Russell 2000 ETF	\$0.27B	(\$1.48B)	(\$0.47B)	(\$0.98B)	\$50.52B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.25B	\$4.40B	\$7.06B	\$10.28B	\$40.86B
PBUS	Invesco MSCI USA ETF	\$0.17B	\$0.70B	\$0.70B	\$0.66B	\$3.12B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.16B	(\$0.57B)	(\$0.83B)	(\$0.96B)	\$28.44B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.16B	\$0.99B	\$2.31B	\$4.62B	\$21.06B
SCHD	Schwab US Dividend Equity ETF	\$0.14B	\$1.27B	\$2.73B	\$10.63B	\$47.95B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$5.88B)	\$12.50B	\$13.95B	\$14.22B	\$338.62B
IWD	iShares Russell 1000 Value ETF	(\$0.72B)	(\$1.05B)	(\$2.27B)	(\$4.71B)	\$49.02B
QQQ	Invesco QQQ Trust Series I	(\$0.63B)	\$6.57B	\$6.01B	\$4.36B	\$198.81B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.31B)	(\$0.44B)	(\$0.31B)	(\$0.95B)	\$28.66B
VBR	Vanguard Small Cap Value ETF	(\$0.11B)	\$0.17B	(\$0.04B)	\$0.96B	\$23.91B
IWN	iShares Russell 2000 Value ETF	(\$0.08B)	(\$0.57B)	(\$0.92B)	(\$1.13B)	\$10.45B
IUSV	iShares Core S&P US Value ETF	(\$0.08B)	(\$0.13B)	(\$0.11B)	\$0.48B	\$13.53B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.07B)	(\$0.73B)	(\$1.80B)	(\$1.30B)	\$8.28B
FVD	First Trust Value Line Dividend Index Fund	(\$0.07B)	(\$0.47B)	(\$0.68B)	(\$0.76B)	\$11.03B
IJR	iShares Core S&P Small Cap ETF	(\$0.06B)	\$1.34B	\$1.39B	\$3.09B	\$66.70B

* 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)
XLE	Energy Select Sector SPDR Fund	-4.43%	17.39%	1.49%	6.02%	49.68
XLC	Communication Services Select Sector SPDR Fund	-5.46%	43.25%	-2.74%	8.38%	37.25
SPY	SPDR S&P 500 ETF Trust	-6.97%	19.44%	-4.48%	1.52%	29.44
XLV	Health Care Select Sector SPDR Fund	-7.39%	6.48%	-2.78%	-1.70%	34.60
XLI	Industrial Select Sector SPDR Fund	-9.04%	18.88%	-6.03%	-1.84%	25.69
XLB	Materials Select Sector SPDR Fund	-9.18%	14.18%	-5.44%	-3.67%	29.93
XLF	Financial Select Sector SPDR Fund	-10.03%	9.90%	-3.80%	-2.00%	31.04
XLK	Technology Select Sector SPDR Fund	-10.15%	38.96%	-5.55%	5.01%	31.44
XLY	Consumer Discretionary Select Sector SPDR Fund	-10.17%	25.91%	-5.87%	3.19%	31.99
XLP	Consumer Staples Select Sector SPDR Fund	-10.49%	3.94%	-5.29%	-6.17%	26.92
XLU	Utilities Select Sector SPDR Fund	-15.63%	0.00%	-4.76%	-8.27%	32.17
XLRE	Real Estate Select Sector SPDR Fund	-18.96%	0.38%	-8.17%	-9.54%	22.96

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	1.85%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	0.64%
FBT	First Trust NYSE Arca Biotechnology Index Fund	0.56%
IBB	iShares Biotechnology ETF	0.35%
PJP	Invesco Pharmaceuticals ETF	0.29%
PBE	Invesco Biotechnology & Genome ETF	0.11%
XPH	SPDR S&P Pharmaceuticals ETF	-0.14%
FCG	First Trust Natural Gas ETF	-0.27%
IHE	iShares U.S. Pharmaceuticals ETF	-0.38%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-0.43%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	58.35
AMLP	Alerian MLP ETF	53.54
MLPA	Global X MLP ETF	52.58
IAK	iShares U.S. Insurance ETF	52.21
VDE	Vanguard Energy ETF	51.92
XES	SPDR S&P Oil & Gas Equipment & Services ETF	51.30
PXI	Invesco Dorsey Wright Energy Momentum ETF	51.23
BIZD	VanEck BDC Income ETF	51.20
KIE	SPDR S&P Insurance ETF	50.86
FENY	Fidelity MSCI Energy Index ETF	49.91

Sector & Industry 1 Day Performance Laggards

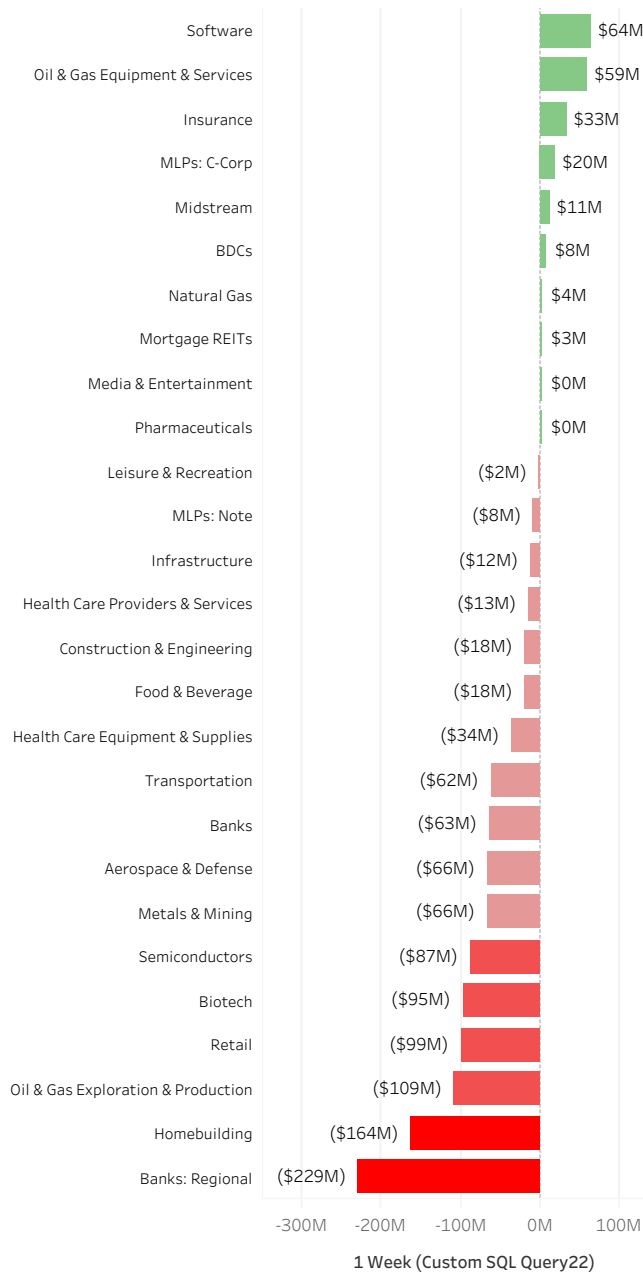
Ticker	Fund	1 Day Performance
XLU	Utilities Select Sector SPDR Fund	-2.99%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	-2.97%
FUTY	Fidelity MSCI Utilities Index ETF	-2.93%
VPU	Vanguard Utilities ETF	-2.91%
NETL	NETLease Corporate Real Estate ETF	-2.84%
IDU	iShares U.S. Utilities ETF	-2.74%
FXU	First Trust Utilities AlphaDEX Fund	-2.72%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-2.26%
MORT	VanEck Mortgage REIT Income ETF	-2.26%
REM	iShares Mortgage Real Estate ETF	-2.19%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	20.53
XHE	SPDR S&P Health Care Equipment ETF	20.82
NETL	NETLease Corporate Real Estate ETF	20.98
XAR	SPDR S&P Aerospace & Defense ETF	21.14
IYR	iShares U.S. Real Estate ETF	21.52
PEJ	Invesco Leisure and Entertainment ETF	21.54
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	21.82
PSCH	Invesco S&P SmallCap Health Care ETF	22.07
SCHH	Schwab U.S. REIT ETF	22.43
ITA	iShares U.S. Aerospace & Defense ETF	22.66

* 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	\$18B	(\$279M)	\$541M	\$2,527M	\$2,697M
Consumer Discretionary	12	\$27B	(\$339M)	\$1,601M	\$2,539M	\$2,626M
Consumer Staples	10	\$28B	(\$230M)	(\$833M)	(\$554M)	\$628M
Energy	31	\$75B	\$80M	\$2,339M	(\$4,156M)	(\$6,830M)
Financials	26	\$55B	(\$696M)	(\$2,562M)	(\$2,085M)	(\$557M)
Health Care	23	\$86B	(\$506M)	(\$2,680M)	(\$3,040M)	(\$3,778M)
Industrial	13	\$33B	\$237M	\$1,393M	\$1,237M	\$3,058M
Materials	9	\$12B	(\$368M)	(\$668M)	(\$2,021M)	(\$1,804M)
Multi-Sector	18	\$18B	(\$245M)	\$1,071M	\$2,487M	\$2,159M
Real Estate	25	\$52B	(\$114M)	\$369M	(\$1,530M)	(\$3,967M)
Technology	23	\$146B	\$277M	\$1,036M	\$1,260M	\$3,908M
Utilities	9	\$23B	(\$226M)	(\$836M)	(\$601M)	(\$1,380M)

U.S. Sector & Industry Flow Leaders

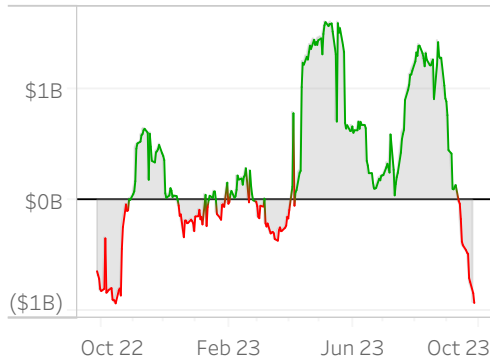
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	\$368M	\$1,054M	\$1,116M	\$1,135M	\$15,066M
XLK	Technology Select Sector SPDR Fund	\$237M	\$870M	\$191M	(\$982M)	\$48,040M
XLE	Energy Select Sector SPDR Fund	\$114M	\$1,242M	(\$2,250M)	(\$2,538M)	\$38,762M
KCE	SPDR S&P Capital Markets ETF	\$99M	\$175M	\$198M	\$202M	\$316M
IGV	iShares Expanded Tech-Software Sector ETF	\$69M	\$47M	\$349M	\$975M	\$6,385M
IEZ	iShares U.S. Oil Equipment & Services ETF	\$58M	\$113M	(\$2M)	\$113M	\$334M
VGT	Vanguard Information Technology ETF	\$42M	\$383M	(\$714M)	(\$490M)	\$50,042M
KIE	SPDR S&P Insurance ETF	\$33M	\$94M	\$101M	\$80M	\$594M
SCHH	Schwab U.S. REIT ETF	\$28M	\$155M	\$249M	\$523M	\$5,477M
AML	Alerian MLP ETF	\$20M	\$200M	\$84M	\$55M	\$7,082M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$536M)	(\$2,414M)	(\$1,171M)	\$207M	\$30,638M
XLV	Health Care Select Sector SPDR Fund	(\$347M)	(\$1,586M)	(\$380M)	(\$683M)	\$38,730M
XLC	Communication Services Select Sector SPDR Fu..	(\$290M)	\$151M	\$2,144M	\$2,423M	\$13,246M
XLB	Materials Select Sector SPDR Fund	(\$268M)	(\$431M)	(\$202M)	(\$406M)	\$5,120M
KRE	SPDR S&P Regional Banking ETF	(\$229M)	(\$456M)	(\$211M)	\$477M	\$2,598M
XL	Consumer Discretionary Select Sector SPDR Fu..	(\$219M)	\$1,300M	\$2,155M	\$1,482M	\$17,702M
XL	Utilities Select Sector SPDR Fund	(\$205M)	(\$619M)	(\$219M)	(\$682M)	\$14,389M
XHB	SPDR S&P Homebuilders ETF	(\$123M)	(\$105M)	(\$52M)	\$13M	\$1,148M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$123M)	\$152M	(\$511M)	(\$688M)	\$3,688M
XLP	Consumer Staples Select Sector SPDR Fund	(\$109M)	\$280M	\$557M	\$1,354M	\$16,526M

* 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



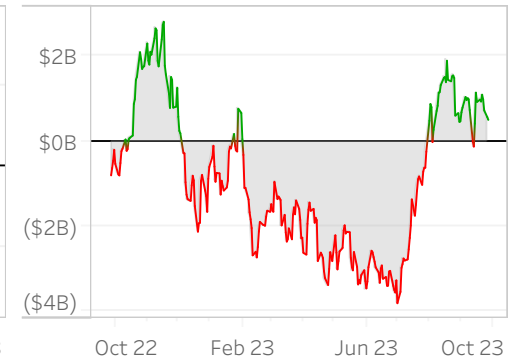
Consumer Discretionary



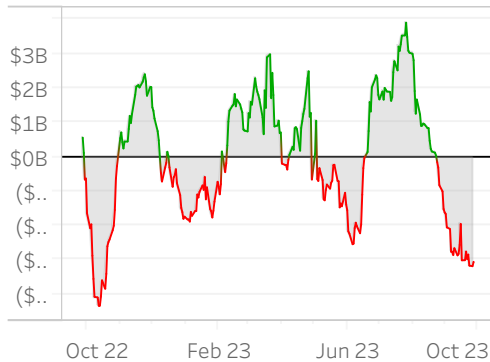
Consumer Staples



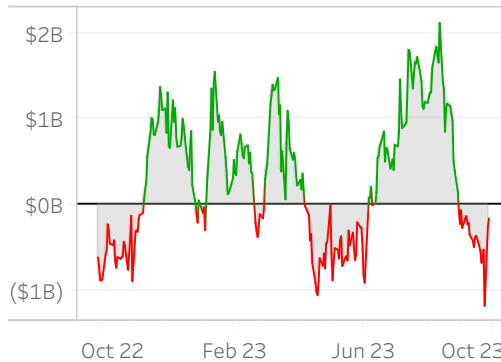
Energy



Financials



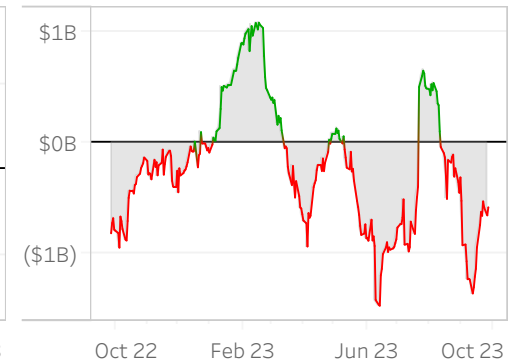
Industrial



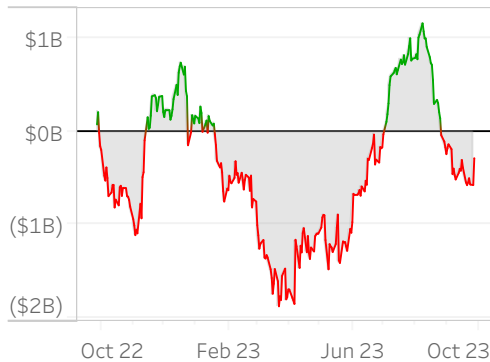
Health Care



Materials



Real Estate



Technology



Utilities

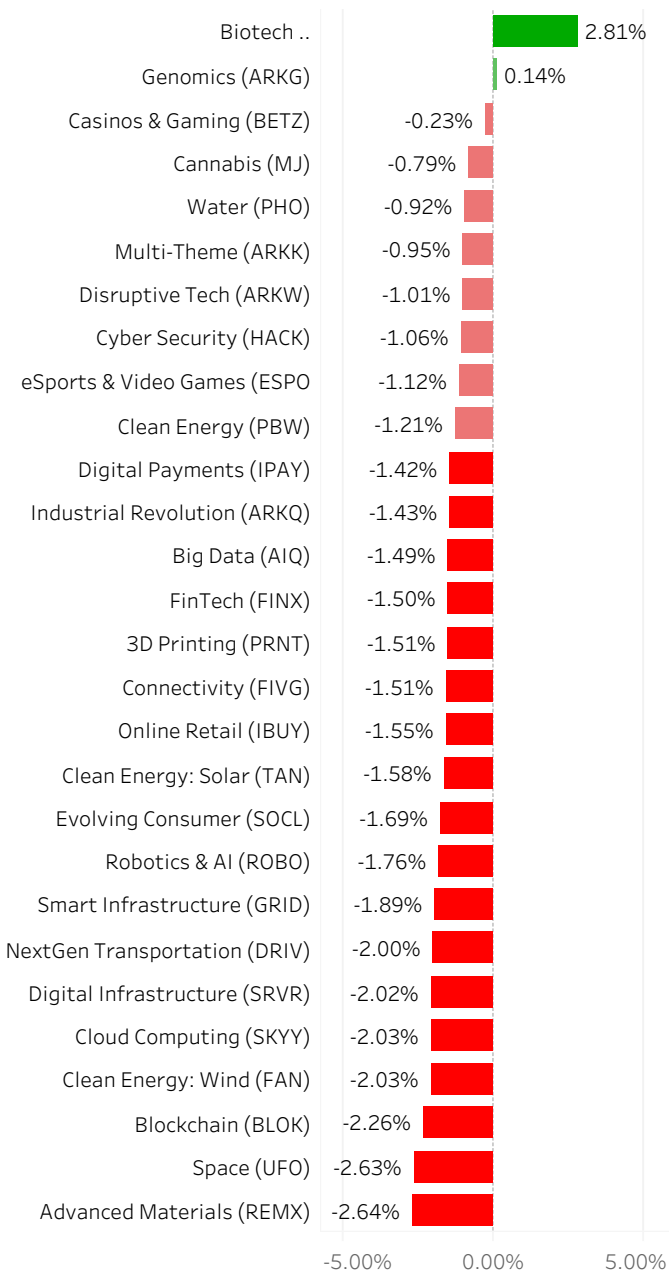


Multi-Sector

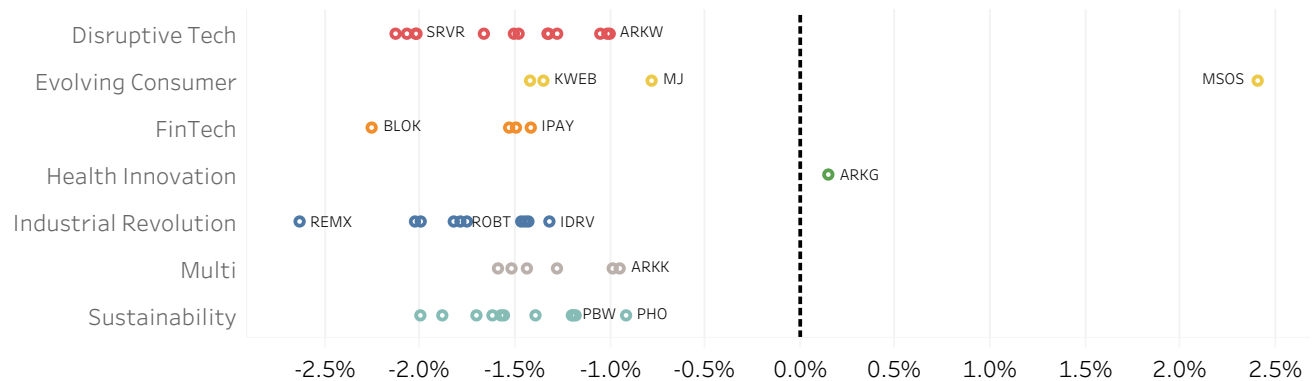


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
SBIO	ALPS Medical Breakthroughs ETF	2.81%
MSOS	AdvisorShares Pure US Cannabis ETF	2.41%
MJUS	ETFMG U.S. Alternative Harvest ETF	1.01%
ARKG	ARK Genomic Revolution ETF	0.14%
GNOM	Global X Genomics & Biotechnology ETF	0.10%
BETZ	Roundhill Sports Betting & iGaming ETF	-0.23%
IDNA	iShares Genomics Immunology and Healthcare ETF	-0.29%
GDOC	Goldman Sachs Future Health Care Equity ETF	-0.42%
PAWZ	ProShares Pet Care ETF	-0.52%
EDOC	Global X Telemedicine & Digital Health ETF Registered	-0.77%

Thematic Most Overbought

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	58.50
MJUS	ETFMG U.S. Alternative Harvest ETF	55.23
MJ	ETFMG Alternative Harvest ETF	51.72
KWEB	KraneShares CSI China Internet ETF	41.15
IHAK	iShares Cybersecurity & Tech ETF	38.90
BUG	Global X Cybersecurity ETF	38.76
HACK	ETFMG Prime Cyber Security ETF	37.09
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	36.44
CIBR	First Trust NASDAQ Cybersecurity ETF	34.78
SOCL	Global X Social Media ETF	34.02

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-2.87%
REMX	VanEck Rare Earth/Strategic Metals ETF	-2.64%
ONLN	ProShares Online Retail ETF	-2.39%
CTEC	Global X CleanTech ETF	-2.28%
BLOK	Amplify Transformational Data Sharing ETF	-2.26%
WCLD	WisdomTree Cloud Computing Fund	-2.13%
CLOU	Global X Cloud Computing ETF	-2.07%
BOTZ	Global X Robotics & Artificial Intelligence ETF	-2.03%
FAN	First Trust Global Wind Energy ETF	-2.03%
SKYY	First Trust Cloud Computing ETF	-2.03%

Thematic Most Oversold

Ticker	Fund	Price
EDOC	Global X Telemedicine & Digital Health ETF Registered	16.49
PAWZ	ProShares Pet Care ETF	17.79
HTEC	ROBO Global Healthcare Technology and Innovation ETF	19.38
SRVR	Pacer Data & Infrastructure Real Estate ETF	21.05
ROBO	ROBO Global Robotics & Automation Index ETF	21.38
EVX	VanEck Environmental Services ETF	22.00
KOMP	SPDR S&P Kensho New Economies Composite ETF	22.29
FINX	Global X FinTech ETF	22.33
ARKG	ARK Genomic Revolution ETF	22.56
BETZ	Roundhill Sports Betting & iGaming ETF	22.64

* 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	Flow
GNOM	Global X Genomics & Biotechnology ETF	\$47M
AIQ	Global X Artificial Intelligence & Technology ETF	\$13M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$8M
ARKG	ARK Genomic Revolution ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$5M
TARK	AXS 2X Innovation ETF	\$3M
THNQ	ROBO Global Artificial Intelligence ETF	\$3M
FMIL	Fidelity New Millennium ETF	\$2M
DGIN	VanEck Digital India ETF	\$1M
BITQ	Bitwise Crypto Industry Innovators ETF	\$1M

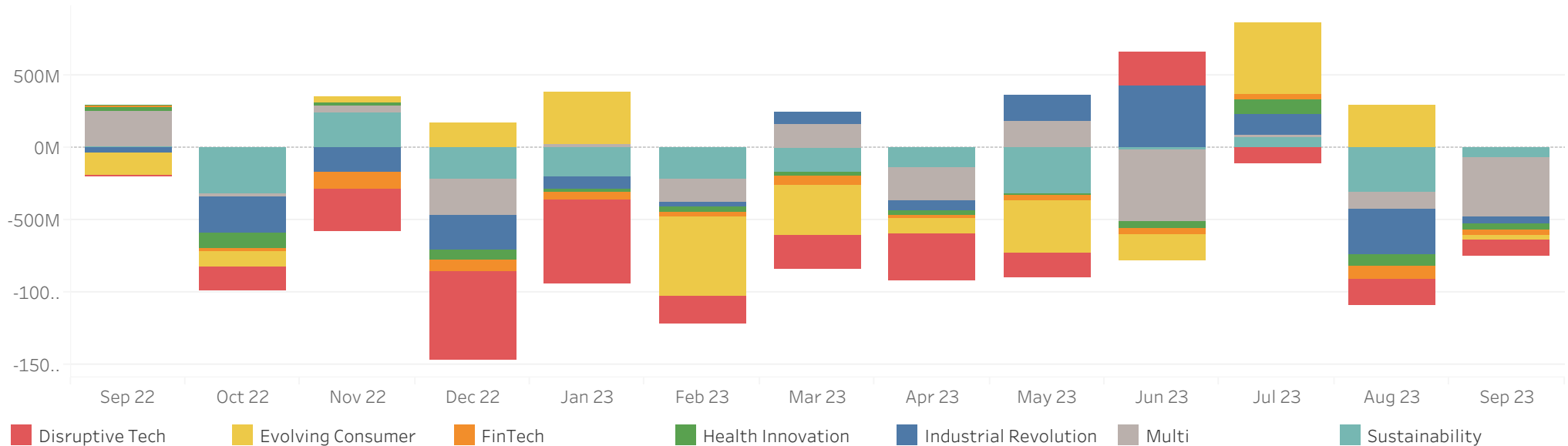
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$171M)
SKYY	First Trust Cloud Computing ETF	(\$19M)
HERO	Global X Video Games & Esports ETF	(\$16M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$12M)
ESPO	VanEck Video Gaming and eSports ETF	(\$10M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$10M)
WCLD	WisdomTree Cloud Computing Fund	(\$10M)
CLOU	Global X Cloud Computing ETF	(\$10M)
BUG	Global X Cybersecurity ETF	(\$9M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$9M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$16B	(\$55M)	(\$428M)	(\$712M)	(\$2,758M)
Evolving Consumer	40	\$9B	(\$24M)	\$729M	\$111M	(\$471M)
FinTech	17	\$2B	(\$1M)	(\$90M)	(\$189M)	(\$543M)
Health Innovation	18	\$3B	\$40M	(\$16M)	(\$158M)	(\$363M)
Industrial Revolution	30	\$10B	(\$22M)	(\$207M)	\$381M	(\$399M)
Multi	38	\$13B	(\$125M)	(\$445M)	(\$988M)	(\$1,018M)
Sustainability	40	\$14B	(\$22M)	(\$318M)	(\$832M)	(\$1,675M)
Grand Total	217	\$67B	(\$209M)	(\$774M)	(\$2,386M)	(\$7,227M)

Thematic Monthly Flows

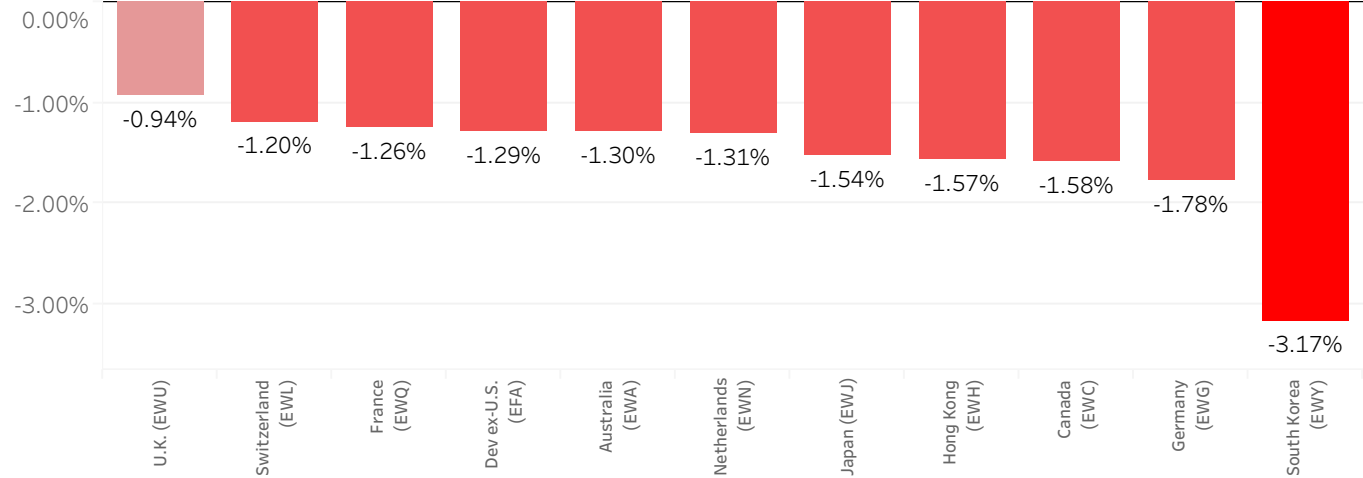


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

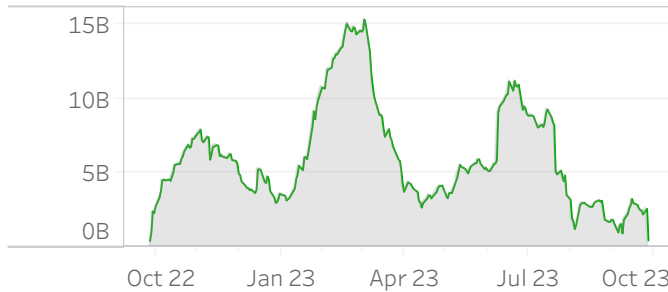
Developed ex-U.S. (EFA)



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



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



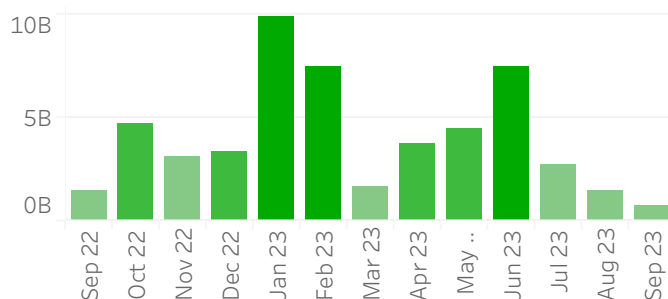
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	-0.43%
GREK	Global X MSCI Greece ETF	-0.50%
EWS	iShares MSCI Singapore ETF	-0.55%
CIL	VictoryShares International Volatility Wtd ETF	-0.67%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.73%
FYLD	Cambria Foreign Shareholder Yield ETF	-0.79%
FLGB	Franklin FTSE United Kingdom ETF	-0.79%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.82%
NORW	Global X MSCI Norway ETF	-0.83%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.85%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	55.36
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	55.21
EWJV	iShares MSCI Japan Value ETF	52.70
FJP	First Trust Japan AlphaDEX Fund	50.12
FLJH	Franklin FTSE Japan Hedged ETF	49.49
HEWJ	iShares Currency Hedged MSCI Japan ETF	49.08
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	49.02
DFJ	WisdomTree Japan SmallCap Dividend Fund	47.59
NORW	Global X MSCI Norway ETF	45.58
IVAL	Alpha Architect International Quantitative Value ETF	45.25

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWY	iShares MSCI South Korea ETF	-3.17%
FLKR	Franklin FTSE South Korea ETF	-2.97%
AIA	iShares Asia 50 ETF	-1.95%
PDN	Invesco FTSE RAFI Developed Markets ex-US Small-Mid ETF	-1.80%
EWG	iShares MSCI Germany ETF	-1.78%
ISRA	VanEck Israel ETF	-1.76%
PIZ	Invesco Dorsey Wright Developed Markets Momentum ETF	-1.76%
IEUS	iShares MSCI Europe Small-Cap ETF	-1.69%
GWX	SPDR S&P International Small Cap ETF	-1.69%
SCHC	Schwab International Small-Cap Equity ETF	-1.69%

Developed ex-U.S. Most Oversold

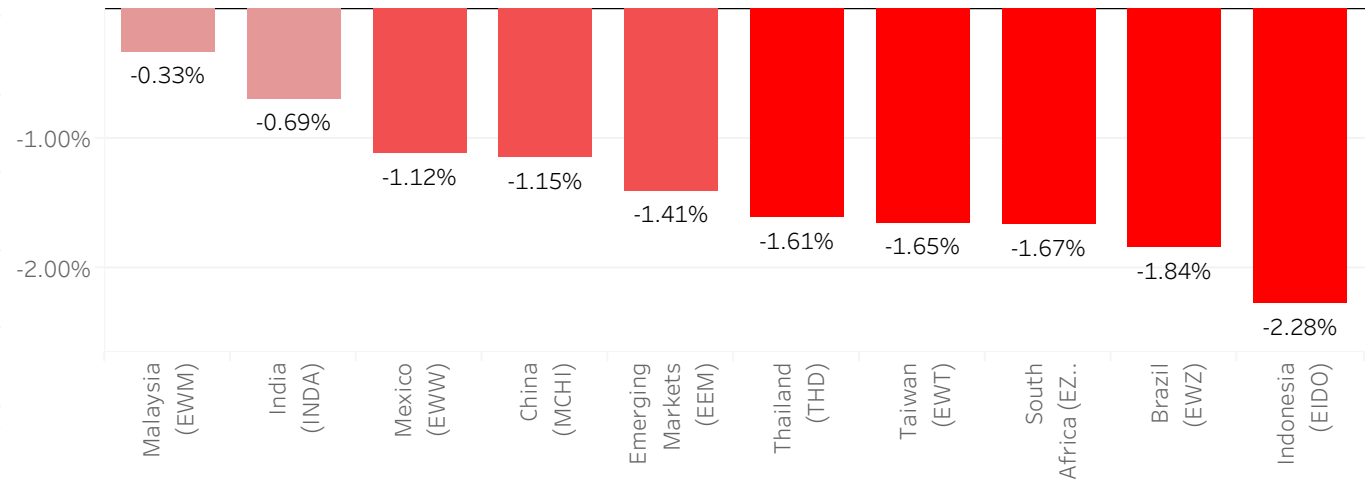
Ticker	Fund	Value
EWN	iShares MSCI Netherlands ETF	21.48
FSZ	First Trust Switzerland AlphaDEX Fund	22.52
BKCI	BNY Mellon Concentrated International ETF	22.69
EFG	iShares MSCI EAFE Growth ETF	24.12
PIZ	Invesco Dorsey Wright Developed Markets Moment..	24.70
FICS	First Trust International Developed Capital Strengt..	24.75
EFAD	ProShares MSCI EAFE Dividend Growers ETF	25.07
EWG	iShares MSCI Germany ETF	25.10
DFE	WisdomTree Europe SmallCap Dividend Fund	25.92
IQDG	WisdomTree International Quality Dividend Growth ..	26.07

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

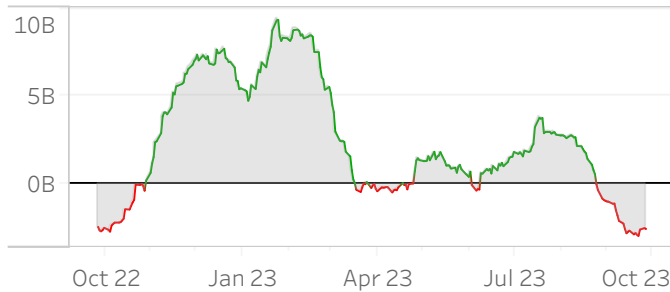
Emerging (EEM)



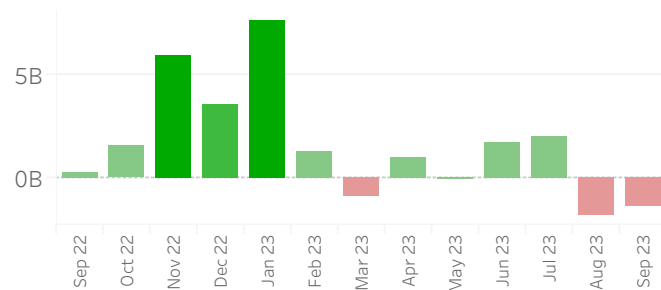
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	0.95%
QAT	iShares MSCI Qatar ETF	0.52%
RAYC	Rayliant Quantamental China Equity ETF	-0.09%
FLN	First Trust Latin America AlphaDEX Fund	-0.24%
KSA	iShares MSCI Saudi Arabia ETF	-0.26%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.31%
EWM	iShares MSCI Malaysia ETF	-0.33%
CNYA	iShares MSCI China A ETF	-0.39%
SMIN	iShares MSCI India Small Cap ETF	-0.40%
ECH	iShares MSCI Chile ETF	-0.58%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	58.60
GLIN	VanEck India Growth Leaders ETF	50.02
SMIN	iShares MSCI India Small Cap ETF	49.61
EPI	WisdomTree India Earnings Fund	48.60
NFTY	First Trust India NIFTY 50 Equal Weight ETF	48.11
EPHE	iShares MSCI Philippines ETF	47.25
FLIN	Franklin FTSE India ETF	46.70
INDA	iShares MSCI India ETF	46.43
EWM	iShares MSCI Malaysia ETF	43.90
RAYC	Rayliant Quantamental China Equity ETF	43.69

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EIDO	iShares MSCI Indonesia ETF	-2.28%
FLBR	Franklin FTSE Brazil ETF	-2.10%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.01%
EYLD	Cambria Emerging Shareholder Yield ETF	-2.01%
DGRE	WisdomTree Emerging Markets Quality Dividend Growth	-1.95%
EWZ	iShares MSCI Brazil ETF	-1.84%
DVYE	iShares Emerging Markets Dividend ETF	-1.80%
FRDM	Freedom 100 Emerging Markets ETF	-1.70%
FLLA	Franklin FTSE Latin America ETF	-1.69%
ILF	iShares Latin America 40 ETF	-1.68%

Emerging Most Oversold

Ticker	Fund	Price
FM	iShares Frontier and Select EM ETF	24.04
FRDM	Freedom 100 Emerging Markets ETF	24.91
ECH	iShares MSCI Chile ETF	25.90
KSA	iShares MSCI Saudi Arabia ETF	26.12
VNM	VanEck Vietnam ETF	26.18
EELV	Invesco S&P Emerging Markets Low Volatility ETF	26.90
MEM	Matthews Emerging Markets Equity Active ETF	27.31
ARGT	Global X MSCI Argentina ETF	27.36
EPU	iShares MSCI Peru and Global Exposure ETF	27.84
THD	iShares MSCI Thailand ETF	29.64

*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	-0.13%	-1.50%	-0.88%
SHY	1-3 Year Treasury Bonds	0.01%	0.19%	1.50%
IEF	7-10 Year Treasury Bonds	-0.03%	-1.84%	-2.44%
TLT	20+ Year Treasury Bonds	-0.35%	-6.38%	-8.81%
TIP	TIPS Bonds	-0.25%	-1.46%	-0.82%
FLOT	Floating Rate Bonds	0.00%	0.54%	4.80%
LQD	Investment Grade Corporate	-0.28%	-1.95%	-0.11%
HYG	High Yield Corporate	-0.43%	-0.92%	3.94%
BKLN	Senior Loan	-0.24%	0.76%	8.95%
PFF	Preferred & Income Securities	-0.64%	-0.10%	2.76%
MUB	Municipal Bonds	-0.11%	-1.61%	-0.57%
MBB	MBS	-0.10%	-1.78%	-1.84%
EMB	Dollar Denominated EM Bonds	-0.67%	-2.07%	1.10%
LEMB	Local Currency EM Bond	-0.88%	-4.10%	0.40%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.40%	0.09%	-4.03%
DBE	Energy	0.31%	6.01%	4.46%
USO	WTI Crude Oil	0.61%	11.64%	15.36%
BNO	Brent Crude Oil	0.56%	11.70%	13.76%
UNG	Natural Gas	-1.93%	-3.64%	-53.12%
UGA	Gasoline	0.94%	-2.24%	18.45%
DBP	Precious Metals	-0.85%	-1.70%	1.69%
GLD	Gold	-0.80%	-0.75%	3.91%
SLV	Silver	-1.13%	-5.67%	-4.81%
PPLT	abrdn Physical Platin..	-0.84%	-4.30%	-15.93%
PALL	abrdn Physical Palla..	-0.81%	-0.23%	-31.60%
DBB	Base Metals	-0.75%	1.49%	-5.24%
CPER	Copper	-0.84%	-3.01%	-2.38%
DBA	Agriculture	-0.37%	0.23%	7.54%
CORN	Corn	-0.41%	-0.76%	-17.86%
SOYB	Soybeans	0.26%	-3.96%	-3.72%
WEAT	Wheat	0.00%	-4.07%	-26.19%
CANE	Sugar	-0.95%	4.74%	53.10%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.30%	2.48%	6.90%
UDN	Short Dollar	-0.22%	-1.61%	-0.81%
FXE	Euro	-0.21%	-2.00%	-0.20%
FXB	British Pound Sterling	-0.41%	-3.13%	2.69%
FXF	Swiss Franc	-0.37%	-3.42%	0.71%
FXJ	Japanese Yen	-0.13%	-1.90%	-12.33%
FXC	Canadian Dollar	-0.40%	0.90%	1.76%
FXA	Australian Dollar	-0.44%	-0.16%	-5.34%

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