

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

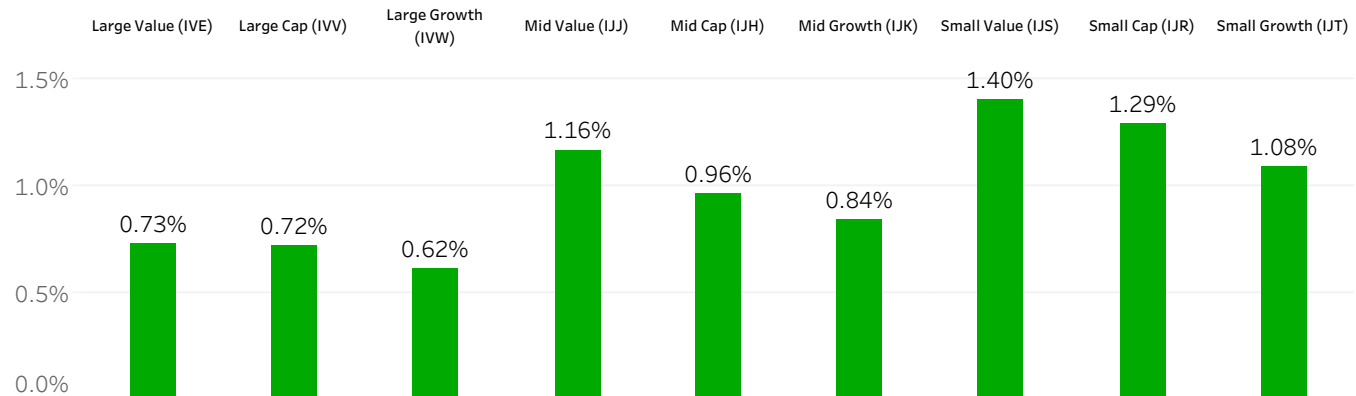


Small Cap Blend (S&P 600) IJR



■ 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	Performance
IPO	Renaissance IPO ETF	1.99%
BUZZ	VanEck Social Sentiment ETF	1.86%
AIEQ	AI Powered Equity ETF	1.86%
IWC	iShares Micro-Cap ETF	1.82%
EES	WisdomTree U.S. SmallCap Fund	1.82%
DWAS	Invesco DWA SmallCap Momentum ETF	1.71%
IWO	iShares Russell 2000 Growth ETF	1.63%
VBK	Vanguard Small-Cap Growth ETF	1.59%
WBIY	WBI Power Factor High Dividend ETF	1.58%
FYC	First Trust Small Cap Growth AlphaDEX Fund	1.53%

Size & Style Most Overbought

Ticker	Fund	Price
RPV	Invesco S&P 500 Pure Value ETF	68.55
RFV	Invesco S&P Midcap 400 Pure Value ETF	68.29
SDOG	ALPS Sector Dividend Dogs ETF	66.05
FNK	First Trust Mid Cap Value AlphaDEX Fund	64.63
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	64.16
IJJ	iShares S&P Mid-Cap 400 Value ETF	63.86
FAB	First Trust Multi Cap Value AlphaDEX Fund	63.84
RZV	Invesco S&P Smallcap 600 Pure Value ETF	63.79
FTA	First Trust Large Cap Value AlphaDEX Fund	63.62
SPVU	Invesco S&P 500 Enhanced Value ETF	63.41

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
RPHS	Regents Park Hedged Market Strategy ETF	-0.12%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.12%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.08%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.03%
SPMO	Invesco S&P 500 Momentum ETF	0.02%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	0.03%
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	0.03%
SPLV	Invesco S&P 500 Low Volatility ETF	0.09%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	0.11%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.15%

Size & Style Most Oversold

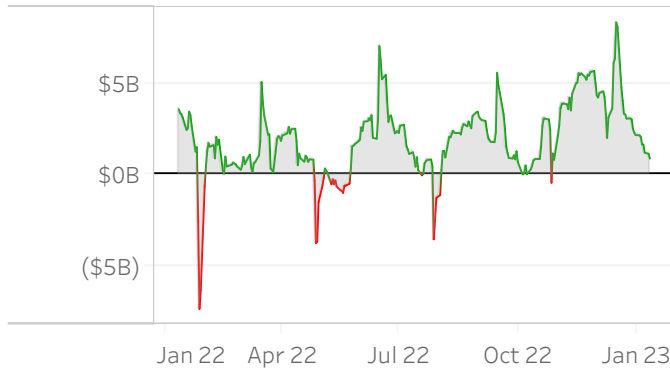
Ticker	Fund	Price
PTLC	Pacer Trendpilot US Large Cap ETF	33.34
RPHS	Regents Park Hedged Market Strategy ETF	37.45
QMOM	Momentumshares US Quantitative Momentum E..	40.52
FFTY	Innovator IBD 50 ETF	40.69
WBIG	WBI BullBear Yield 3000 ETF	40.95
SPMO	Invesco S&P 500 Momentum ETF	45.26
MTUM	iShares MSCI USA Momentum Factor ETF	45.49
ONOF	Global X Adaptive U.S. Risk Management ETF	45.49
FDMO	Fidelity Momentum Factor ETF	45.93
AUSF	Global X Adaptive U.S. Factor ETF	46.24

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

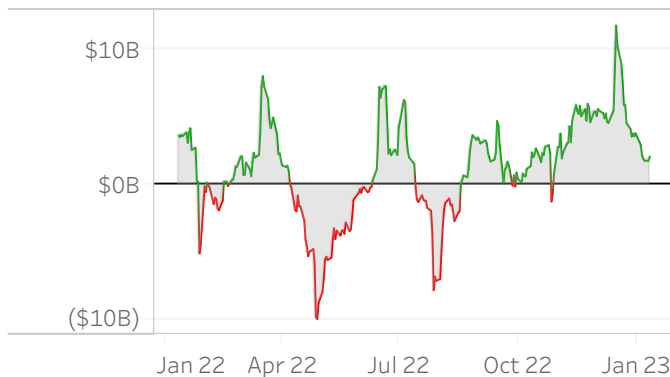
Large-Cap 30-Day Rolling Flows



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	25	\$1,195B	\$0.03B	\$10.31B	\$36.99B	\$62.50B
Large Cap, Beta, Beta: Growth	10	\$214B	(\$0.80B)	\$8.13B	\$14.14B	\$20.97B
Large Cap, Beta, Beta: Value	11	\$226B	(\$0.69B)	\$0.74B	\$2.41B	\$18.90B
Mid Cap, Beta, Beta	10	\$182B	\$0.02B	\$4.58B	\$6.91B	\$11.42B
Mid Cap, Beta, Beta: Growth	6	\$32B	(\$0.05B)	\$0.50B	\$1.04B	\$0.73B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.29B)	\$1.05B	\$1.48B	\$1.58B
Small Cap, Beta, Beta	13	\$189B	(\$0.86B)	\$1.31B	\$4.42B	\$0.30B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.02B)	\$0.99B	\$0.95B	\$1.96B
Small Cap, Beta, Beta: Value	7	\$50B	(\$0.07B)	\$1.04B	(\$0.28B)	(\$2.49B)

U.S. Size & Style Flow Leaders

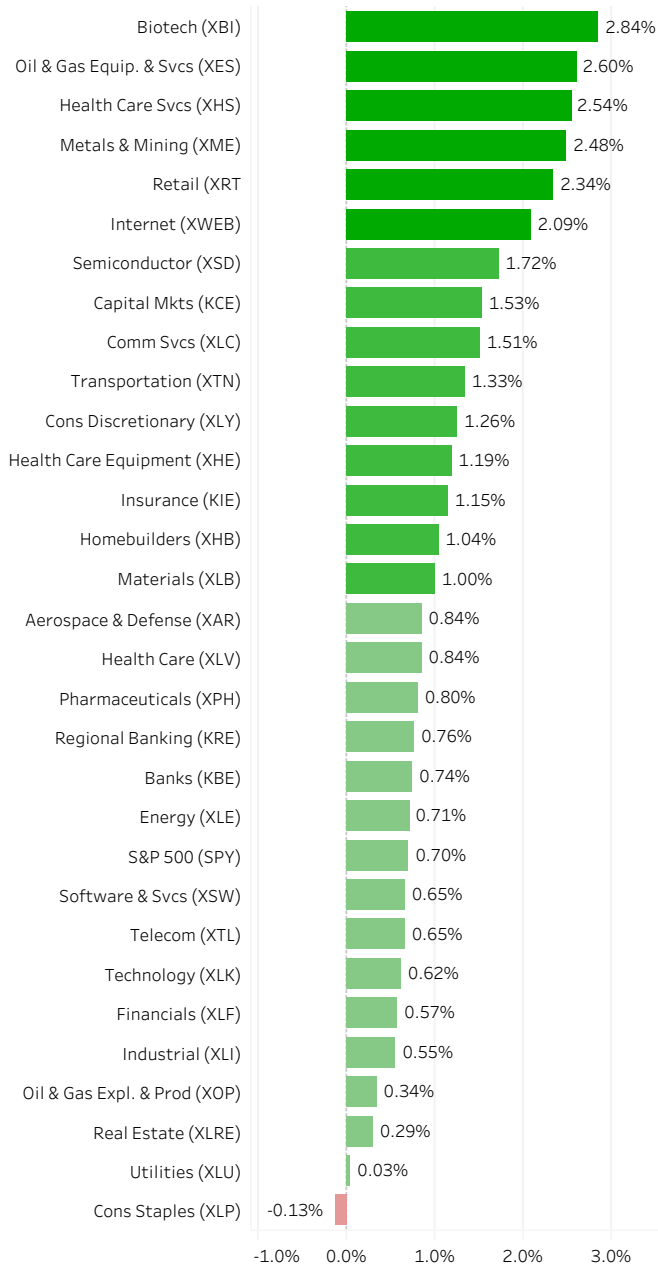
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$0.67B	\$6.64B	\$10.83B	(\$13.77B)	\$362.12B
VOO	Vanguard S&P 500 ETF	\$0.54B	\$2.41B	\$13.63B	\$41.65B	\$266.55B
SCHD	Schwab US Dividend Equity ETF	\$0.26B	\$4.61B	\$8.25B	\$15.29B	\$45.96B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.21B	\$2.40B	\$2.30B	\$4.52B	\$33.77B
VTV	Vanguard Value ETF	\$0.14B	(\$3.52B)	(\$1.47B)	\$10.51B	\$101.00B
COWZ	Pacer US Cash Cows 100 ETF	\$0.11B	\$2.57B	\$4.11B	\$9.41B	\$10.77B
ESGU	iShares ESG Aware MSCI USA ETF	\$0.11B	(\$1.61B)	(\$1.61B)	(\$0.54B)	\$19.96B
VB	Vanguard Small-Cap ETF	\$0.10B	\$0.26B	\$0.16B	(\$0.03B)	\$41.70B
AVUV	Avantis U.S. Small Cap Value ETF	\$0.10B	\$0.95B	\$1.45B	\$2.69B	\$4.99B
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	\$0.09B	\$0.35B	\$0.54B	\$0.81B	\$4.73B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.02B)	(\$0.67B)	(\$0.19B)	(\$3.14B)	\$51.77B
QQQ	Invesco QQQ Trust	(\$0.86B)	(\$2.53B)	(\$1.48B)	\$0.35B	\$146.57B
IWF	iShares Russell 1000 Growth ETF	(\$0.82B)	\$2.04B	\$2.26B	\$2.91B	\$58.76B
IWD	iShares Russell 1000 Value ETF	(\$0.68B)	\$0.29B	(\$0.01B)	(\$0.17B)	\$54.38B
VYM	Vanguard High Dividend Yield Index ETF	(\$0.49B)	\$0.76B	\$2.52B	\$8.28B	\$50.53B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.22B)	\$0.20B	\$0.75B	\$0.99B	\$29.60B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.21B)	\$0.05B	\$0.19B	(\$0.64B)	\$7.52B
IWB	iShares Russell 1000 ETF	(\$0.16B)	\$0.70B	\$1.08B	\$1.45B	\$27.85B
IVE	iShares S&P 500 Value ETF	(\$0.15B)	\$0.50B	\$0.04B	\$2.00B	\$25.23B
IVV	iShares Core S&P 500 ETF	(\$0.15B)	\$0.51B	\$6.14B	\$21.20B	\$293.12B

\* 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)
XLI	Industrial Select Sector SPDR Fund	-3.53%	21.93%	2.06%	7.52%	59.20
XLV	Health Care Select Sector SPDR Fund	-5.82%	12.20%	-0.78%	2.80%	45.73
XLE	Energy Select Sector SPDR Fund	-6.60%	39.76%	-0.67%	8.16%	53.81
XLP	Consumer Staples Select Sector SPDR Fund	-6.99%	12.69%	0.14%	1.63%	50.28
XLU	Utilities Select Sector SPDR Fund	-8.47%	16.22%	2.28%	0.45%	55.55
XLB	Materials Select Sector SPDR Fund	-9.78%	21.35%	2.57%	4.14%	60.66
XLF	Financial Select Sector SPDR Fund	-13.62%	17.04%	1.91%	4.93%	62.06
SPY	SPDR S&P 500 ETF Trust	-15.38%	9.54%	0.12%	-1.29%	54.39
XLK	Technology Select Sector SPDR Fund	-22.61%	8.92%	-1.15%	-4.89%	51.47
XLRE	Real Estate Select Sector SPDR Fund	-24.96%	12.44%	0.72%	-7.13%	53.95
XLY	Consumer Discretionary Select Sector SPDR Fund	-29.76%	6.56%	-1.66%	-10.19%	53.42
XLC	Communication Services Select Sector SPDR Fund	-32.65%	12.84%	4.68%	-5.67%	65.40

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PBE	Invesco Dynamic Biotechnology & Genome ETF	3.00%
XBI	SPDR S&P BIOTECH ETF	2.84%
PXJ	Invesco Dynamic Oil & Gas Services ETF	2.72%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.60%
XHS	SPDR S&P Health Care Services ETF	2.54%
XME	SPDR S&P Metals & Mining ETF	2.48%
XRT	SPDR S&P Retail ETF	2.34%
IBB	iShares Biotechnology ETF	2.26%
FBT	First Trust NYSE Arca Biotechnology Index Fund	2.26%
PSCE	Invesco S&P SmallCap Energy ETF	2.22%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	68.80
FXZ	First Trust Materials AlphaDEX Fund	68.06
FXD	First Trust Consumer Discretionary AlphaDEX Fund	67.37
ITB	iShares U.S. Home Construction ETF	66.01
RCD	Invesco S&P 500 Equal Weight Consumer Discretionary ..	65.68
PEJ	Invesco Dynamic Leisure & Entertainment ETF	65.66
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	65.43
XLC	Communication Services Select Sector SPDR Fund	65.40
VOX	Vanguard Communication Services ETF	64.63
IYG	iShares US Financial Services ETF	64.54

### Sector & Industry 1 Day Performance Laggards

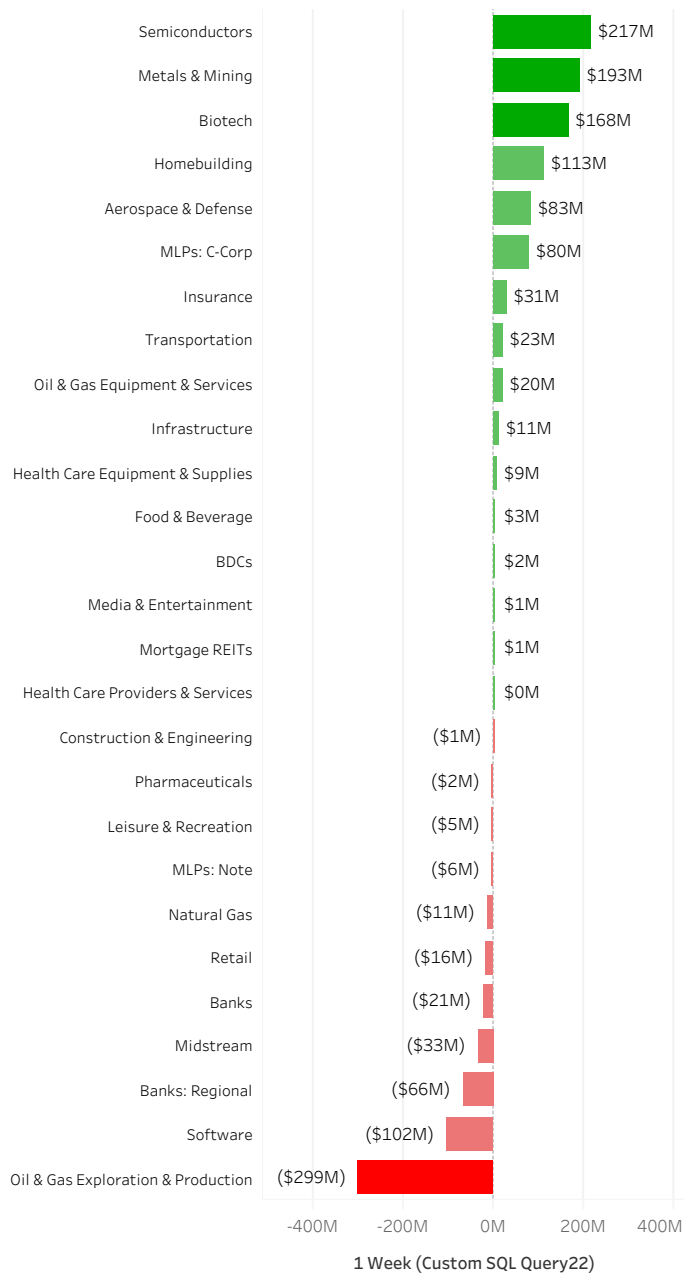
Ticker	Fund	1 Day Performance
AMLP	Alerian MLP ETF	-0.53%
NETL	NETLease Corporate Real Estate ETF	-0.47%
INDS	Pacer Industrial Real Estate ETF	-0.43%
MLPA	Global X MLP ETF	-0.35%
AMZA	InfraCap MLP ETF	-0.34%
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	-0.32%
REZ	iShares Residential and Multisector Real Estate ETF	-0.24%
IYK	iShares U.S. Consumer Staples ETF	-0.23%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-0.21%
IDU	iShares U.S. Utilities ETF	-0.17%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHF	iShares U.S. Healthcare Providers ETF	34.95
PINK	Simplify Health Care ETF	37.10
PXE	Invesco Dynamic Energy Exploration & Production ETF	45.34
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	45.56
XLV	Health Care Select Sector SPDR Fund	45.73
JPRE	JPMorgan Realty Income ETF	46.39
PSJ	Invesco Dynamic Software ETF	46.48
FCG	First Trust Natural Gas ETF	46.57
FXN	First Trust Energy AlphaDEX Fund	47.14
IYH	iShares U.S. Healthcare ETF	47.27

\* 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	\$12B	(\$15M)	\$268M	(\$278M)	(\$978M)
Consumer Discretionary	12	\$20B	\$198M	(\$545M)	(\$673M)	(\$6,079M)
Consumer Staples	10	\$30B	\$300M	\$2,114M	\$3,107M	\$7,452M
Energy	32	\$80B	(\$398M)	\$342M	(\$618M)	(\$2,042M)
Financials	26	\$60B	\$370M	\$917M	(\$256M)	(\$15,557M)
Health Care	23	\$95B	\$115M	\$3,590M	\$3,170M	\$10,182M
Industrial	13	\$32B	\$1,291M	\$2,256M	\$1,539M	(\$1,864M)
Materials	9	\$14B	\$332M	\$352M	(\$1,809M)	(\$1,669M)
Multi-Sector	19	\$13B	\$119M	(\$185M)	(\$1,802M)	(\$6,942M)
Real Estate	25	\$60B	(\$234M)	\$297M	(\$1,240M)	(\$5,984M)
Technology	23	\$112B	(\$374M)	\$2,010M	\$868M	(\$1,349M)
Utilities	9	\$27B	\$125M	(\$747M)	\$785M	\$5,290M

## U.S. Sector & Industry Flow Leaders

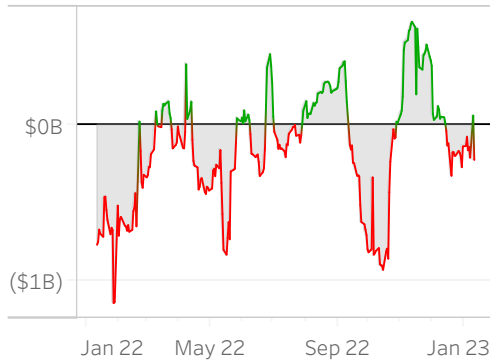
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	\$1,175M	\$1,354M	\$972M	(\$2,446M)	\$14,842M
XLF	Financial Select Sector SPDR Fund	\$456M	\$1,544M	\$686M	(\$8,620M)	\$32,643M
XLP	Consumer Staples Select Sector SPDR Fund	\$266M	\$1,536M	\$1,949M	\$3,828M	\$17,598M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$248M	(\$384M)	(\$22M)	(\$2,698M)	\$13,108M
SOXX	iShares Semiconductor ETF	\$239M	\$45M	(\$174M)	(\$397M)	\$6,432M
XME	SPDR S&P Metals & Mining ETF	\$193M	\$331M	(\$28M)	\$84M	\$2,277M
XBI	SPDR S&P BIOTECH ETF	\$164M	\$1,214M	\$728M	\$3,479M	\$8,165M
XLB	Materials Select Sector SPDR Fund	\$163M	\$233M	(\$921M)	(\$2,022M)	\$5,681M
XLU	Utilities Select Sector SPDR Fund	\$105M	(\$562M)	\$406M	\$3,630M	\$16,682M
AML	Alerian MLP ETF	\$93M	\$87M	\$98M	\$489M	\$6,650M

## U.S. Sector & Industry Flow Laggards

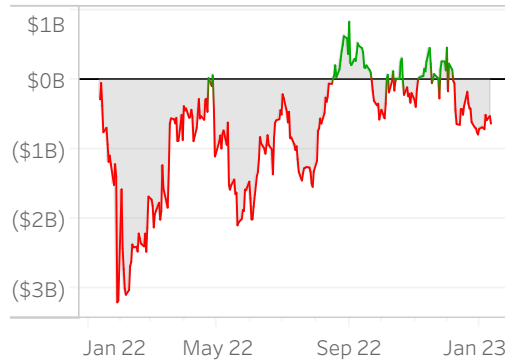
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$287M)	\$244M	(\$525M)	(\$852M)	\$4,314M
XLK	Technology Select Sector SPDR Fund	(\$274M)	\$584M	\$898M	\$465M	\$38,364M
IYR	iShares U.S. Real Estate ETF	(\$233M)	\$422M	(\$222M)	(\$2,524M)	\$3,719M
VGT	Vanguard Information Technology ETF	(\$207M)	\$359M	(\$385M)	(\$453M)	\$39,740M
XLE	Energy Select Sector SPDR Fund	(\$125M)	(\$576M)	(\$123M)	(\$2,497M)	\$40,565M
IGV	iShares Expanded Tech-Software Sector ETF	(\$102M)	(\$324M)	(\$58M)	\$557M	\$4,349M
XLV	Health Care Select Sector SPDR Fund	(\$87M)	\$1,743M	\$1,801M	\$6,118M	\$41,158M
KRE	SPDR S&P Regional Banking ETF	(\$64M)	(\$494M)	(\$430M)	(\$2,021M)	\$2,634M
VOX	Vanguard Communication Services ETF	(\$38M)	\$3M	\$47M	(\$203M)	\$2,469M
TPYP	Tortoise North American Pipeline Fund	(\$30M)	\$24M	\$10M	\$57M	\$556M

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

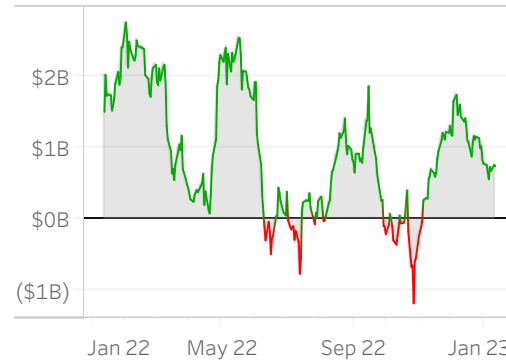
Communication Services



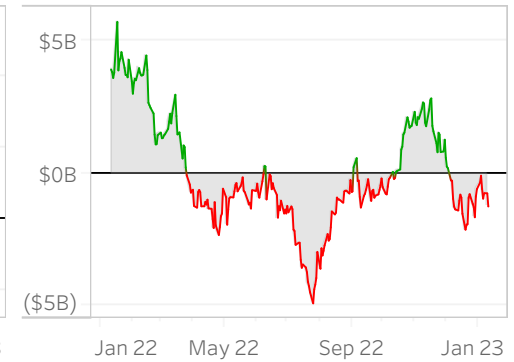
Consumer Discretionary



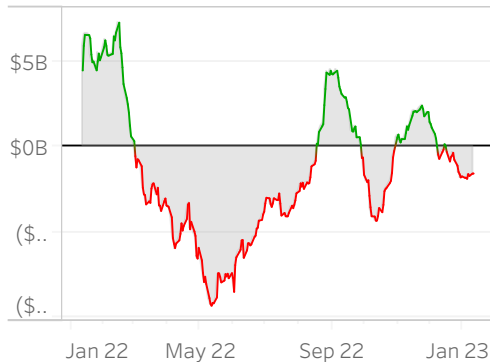
Consumer Staples



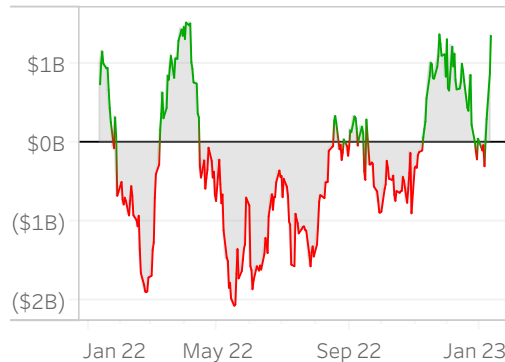
Energy



Financials



Industrial



Health Care



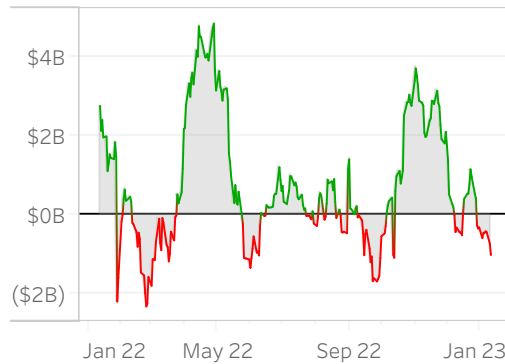
Materials



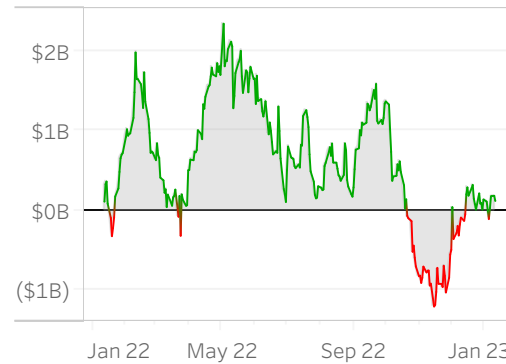
Real Estate



Technology



Utilities

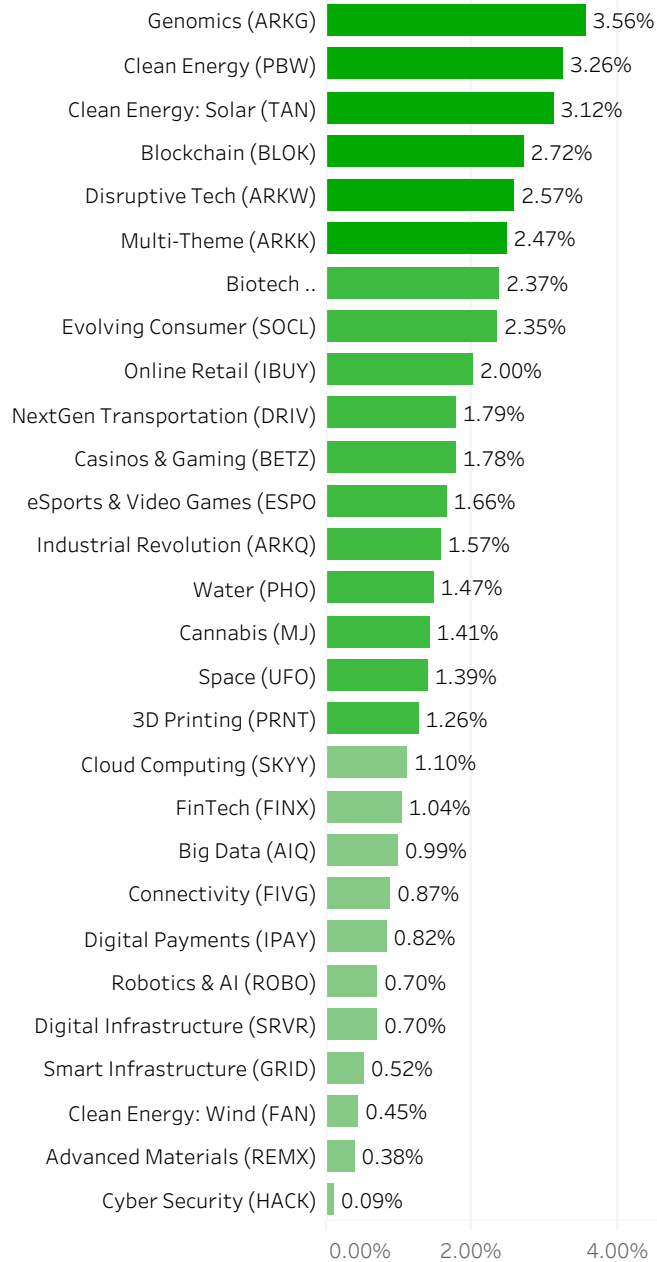


Multi-Sector

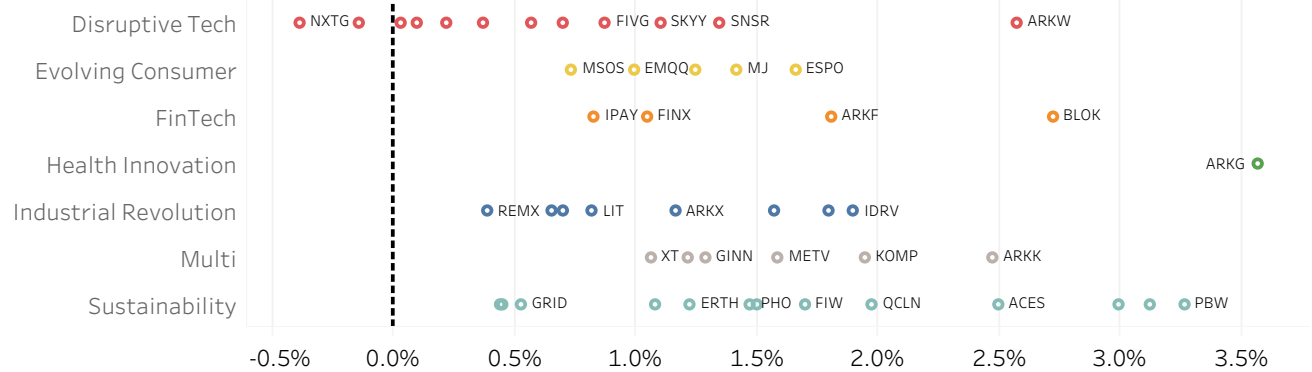


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
ARKG	ARK Genomic Revolution ETF	3.56%
PBW	Invesco WilderHill Clean Energy ETF	3.26%
ONLN	ProShares Online Retail ETF	3.13%
TAN	Invesco Solar ETF	3.12%
GNOM	Global X Genomics & Biotechnology ETF	3.02%
CNRG	SPDR S&P Kensho Clean Power ETF	2.99%
EDOC	Global X Telemedicine & Digital Health ETF Registered	2.78%
BLOK	Amplify Transformational Data Sharing ETF	2.72%
CTEC	Global X CleanTech ETF	2.62%
ARKW	ARK Next Generation Internet ETF	2.57%

## Thematic Most Overbought

Ticker	Fund	Value
SOCL	Global X Social Media ETF	72.31
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	71.66
KWEB	KraneShares CSI China Internet ETF	70.28
AWAY	ETFMG Travel Tech ETF	69.60
BJK	VanEck Gaming ETF	67.40
LEGR	First Trust Indxx Innovative Transaction & Process ETF	66.67
KGRN	KraneShares MSCI China Clean Technology Index ETF	65.31
HERO	Global X Video Games & Esports ETF	64.62
IPAY	ETFMG Prime Mobile Payments ETF	64.48
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	64.07

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MJUS	ETFMG U.S. Alternative Harvest ETF	-0.52%
NXTG	First Trust Indxx NextG ETF	-0.39%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-0.37%
BUG	Global X Cybersecurity ETF	-0.15%
CIBR	First Trust NASDAQ Cybersecurity ETF	0.03%
HACK	ETFMG Prime Cyber Security ETF	0.09%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	0.14%
IHAK	iShares Cybersecurity & Tech ETF	0.21%
SAMT	Strategas Macro Thematic Opportunities ETF	0.25%
YOLO	AdvisorShares Pure Cannabis ETF	0.27%

## Thematic Most Oversold

Ticker	Fund	Value
MSOS	AdvisorShares Pure US Cannabis ETF	36.33
MJUS	ETFMG U.S. Alternative Harvest ETF	36.41
YOLO	AdvisorShares Pure Cannabis ETF	37.01
BUG	Global X Cybersecurity ETF	38.59
MJ	ETFMG Alternative Harvest ETF	39.44
HACK	ETFMG Prime Cyber Security ETF	41.10
CIBR	First Trust NASDAQ Cybersecurity ETF	43.71
IHAK	iShares Cybersecurity & Tech ETF	43.86
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	45.18
ACES	ALPS Clean Energy ETF	47.46

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$34M
ARKG	ARK Genomic Revolution ETF	\$31M
ARKW	ARK Next Generation Internet ETF	\$27M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$9M
ONLN	ProShares Online Retail ETF	\$8M
HTEC	ROBO Global Healthcare Technology and Innovation ETF	\$3M
AGNG	Global X Aging Population ETF	\$3M
GCLN	Goldman Sachs Bloomberg Clean Energy Equity ETF	\$2M
SAMT	Strategas Macro Thematic Opportunities ETF	\$1M
EBIZ	Global X E-Commerce ETF	\$1M

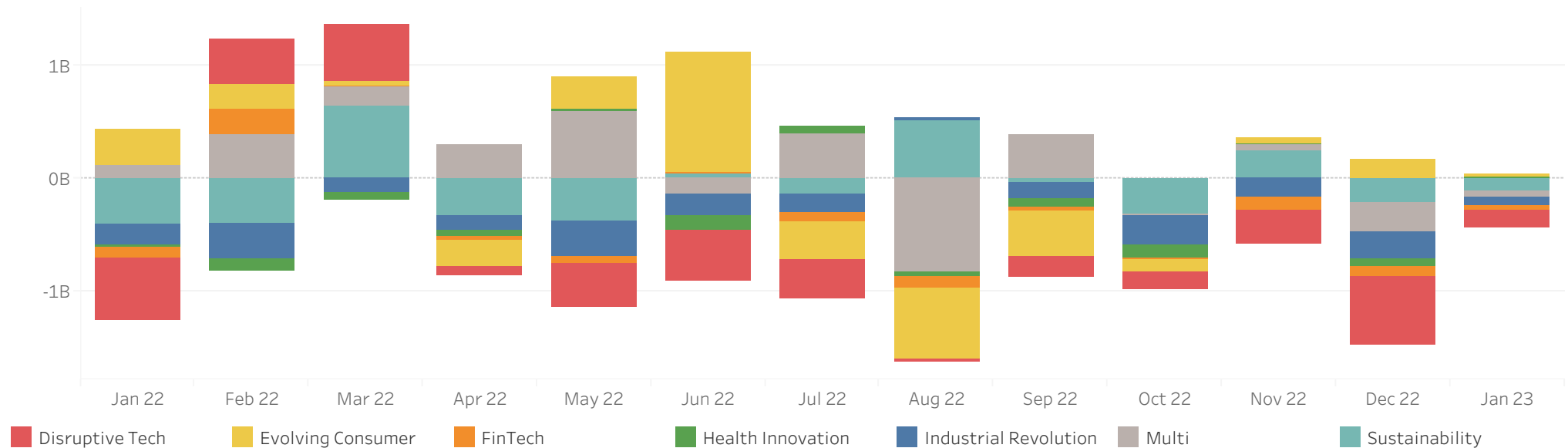
## Thematic 1 Week Flow Laggards

Ticker	Fund	
BUG	Global X Cybersecurity ETF	(\$68M)
ICLN	iShares Global Clean Energy ETF	(\$57M)
ARKK	ARK Innovation ETF	(\$39M)
LIT	Global X Lithium & Battery Tech ETF	(\$36M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$24M)
SKYY	First Trust Cloud Computing ETF	(\$23M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$19M)
TAN	Invesco Solar ETF	(\$17M)
FINX	Global X FinTech ETF	(\$15M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$10M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$93M)	(\$1,219M)	(\$1,625M)	(\$2,330M)
Evolving Consumer	46	\$11B	\$22M	\$92M	(\$1,360M)	\$471M
FinTech	21	\$2B	(\$25M)	(\$259M)	(\$466M)	(\$414M)
Health Innovation	19	\$3B	\$20M	(\$120M)	(\$382M)	(\$563M)
Industrial Revolution	32	\$10B	(\$52M)	(\$697M)	(\$936M)	(\$2,301M)
Multi	41	\$13B	(\$36M)	(\$55M)	(\$618M)	\$1,074M
Sustainability	40	\$17B	(\$83M)	(\$410M)	(\$30M)	(\$927M)
Grand Total	234	\$71B	(\$247M)	(\$2,669M)	(\$5,417M)	(\$4,991M)

## Thematic Monthly Flows

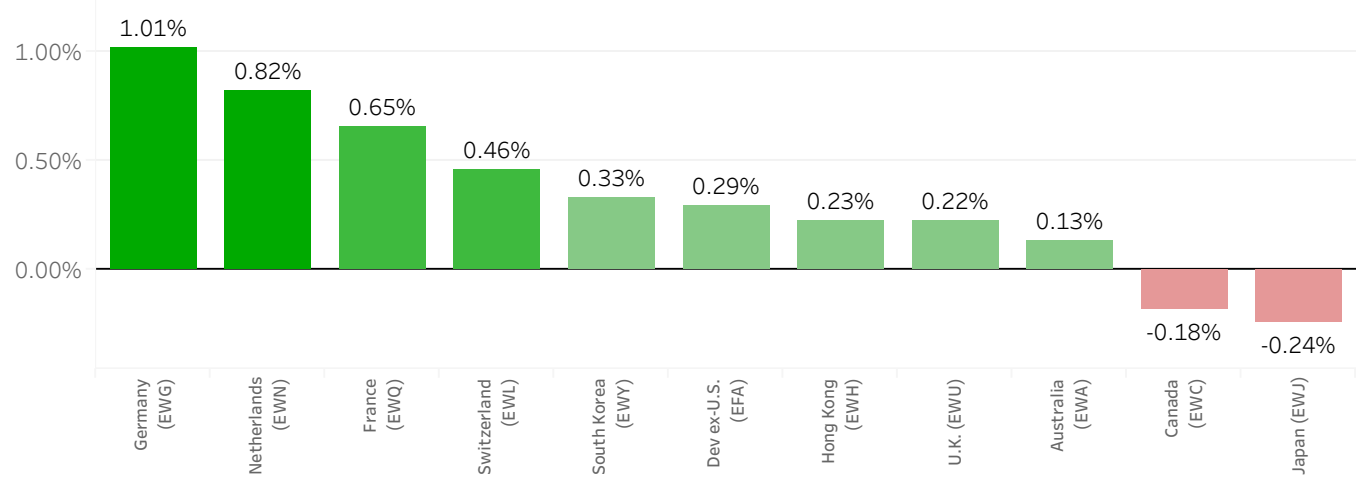


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



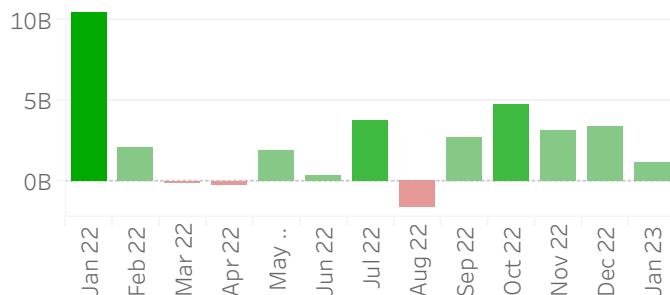
Developed ex-U.S. 1-Day Performance Top 10 Countries



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
ENZL	iShares MSCI New Zealand ETF	1.32%
EWP	iShares MSCI Spain ETF	1.25%
EIS	iShares MSCI Israel ETF	1.24%
AIA	iShares Asia 50 ETF	1.22%
EIRL	iShares MSCI Ireland ETF	1.20%
GREK	Global X MSCI Greece ETF	1.11%
EWG	iShares MSCI Germany ETF	1.01%
EWI	iShares MSCI Italy ETF	0.94%
ISRA	VanEck Israel ETF	0.89%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.87%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWP	iShares MSCI Spain ETF	75.69
EIRL	iShares MSCI Ireland ETF	75.03
EWG	iShares MSCI Germany ETF	73.19
AIA	iShares Asia 50 ETF	72.55
IMFL	Invesco International Developed Dynamic Multifactor ETF	71.75
GREK	Global X MSCI Greece ETF	71.59
EZU	iShares MSCI Eurozone ETF	71.11
IDV	iShares International Select Dividend ETF	70.83
EWI	iShares MSCI Italy ETF	70.13
FDD	First Trust Stoxx European Select Dividend Index Fund	70.13

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

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	-0.88%
EWS	iShares MSCI Singapore ETF	-0.72%
EWJV	iShares MSCI Japan Value ETF	-0.71%
NORW	Global X MSCI Norway ETF	-0.67%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-0.61%
EDEN	iShares MSCI Denmark ETF	-0.60%
BBCA	JPMorgan BetaBuilders Canada ETF	-0.32%
FLCA	Franklin FTSE Canada ETF	-0.31%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.28%
VPL	Vanguard FTSE Pacific ETF	-0.27%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	25.48
DXJ	WisdomTree Japan Hedged Equity Fund	42.97
IVAL	Alpha Architect International Quantitative Value ETF	44.13
IMOM	Alpha Architect International Quantitative Moment..	44.31
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	44.43
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	44.82
NORW	Global X MSCI Norway ETF	46.64
HEFA	iShares Currency Hedged MSCI EAFE ETF	48.08
BBJP	JPMorgan BetaBuilders Japan ETF	50.57
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	50.84

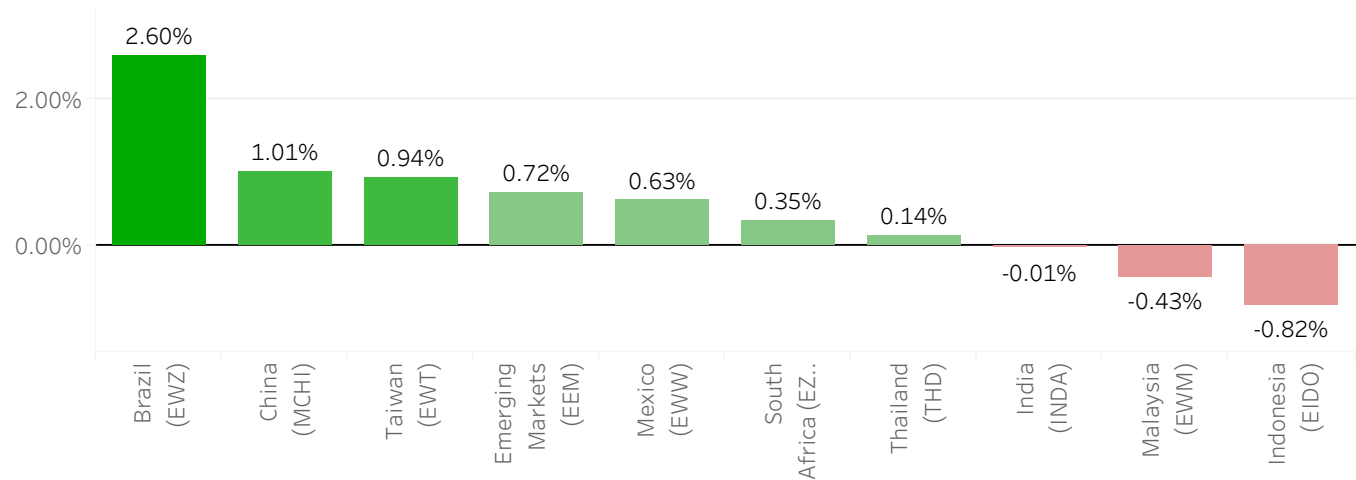
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



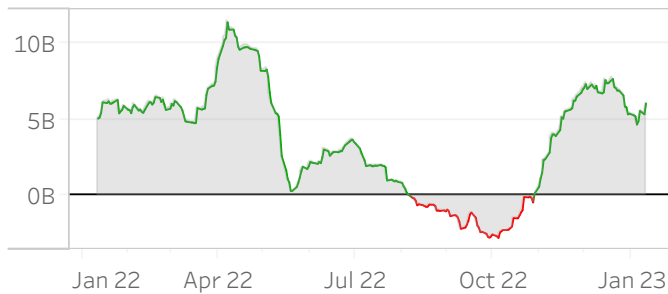
Emerging (EEM)



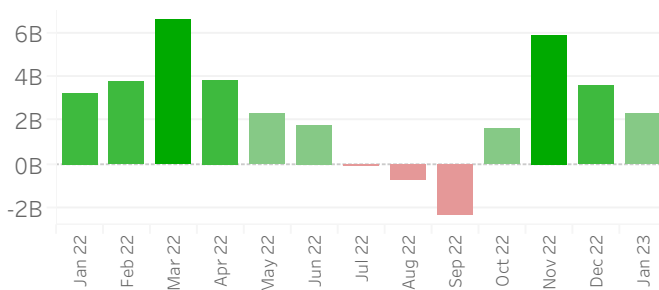
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EMXF	iShares ESG Advanced MSCI EM ETF	4.57%
EWZS	iShares MSCI Brazil Small-Cap ETF	3.58%
FLBR	Franklin FTSE Brazil ETF	3.01%
EPOL	iShares MSCI Poland ETF	2.73%
EWZ	iShares MSCI Brazil ETF	2.60%
FLLA	Franklin FTSE Latin America ETF	1.98%
PGJ	Invesco Golden Dragon China ETF	1.95%
EPU	iShares MSCI Peru ETF	1.93%
ILF	iShares Latin America 40 ETF	1.65%
FLN	First Trust Latin America AlphaDEX Fund	1.63%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	76.43
EPOL	iShares MSCI Poland ETF	74.58
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	72.56
MCHI	iShares MSCI China ETF	71.79
THD	iShares MSCI Thailand ETF	71.74
ECNS	iShares MSCI China Small-Cap ETF	71.61
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	71.37
GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ..	71.32
BKF	iShares MSCI BIC ETF	71.30
FLCH	Franklin FTSE China ETF	71.20

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	-2.68%
EIDO	iShares MSCI Indonesia ETF	-0.82%
EWM	iShares MSCI Malaysia ETF	-0.43%
KSA	iShares MSCI Saudi Arabia ETF	-0.18%
EPHE	iShares MSCI Philippines ETF	-0.18%
INDY	iShares India 50 ETF	-0.07%
PIN	Invesco India ETF	-0.06%
EEMA	iShares MSCI Emerging Markets Asia ETF	-0.03%
INDA	iShares MSCI India ETF	-0.01%
QAT	iShares MSCI Qatar ETF	0.00%

Emerging Most Oversold

Ticker	Fund	Value
PIN	Invesco India ETF	33.03
EIDO	iShares MSCI Indonesia ETF	36.99
TUR	iShares MSCI Turkey ETF	43.06
INDY	iShares India 50 ETF	44.70
NFTY	First Trust India NIFTY 50 Equal Weight ETF	49.17
INDA	iShares MSCI India ETF	49.26
FLIN	Franklin FTSE India ETF	49.92
SMIN	iShares MSCI India Small Cap ETF	51.65
EWT	iShares MSCI Taiwan ETF	52.56
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	53.19

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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	-0.38%	0.40%	2.03%
SHY	1-3 Year Treasury Bonds	-0.09%	0.48%	0.44%
IEF	7-10 Year Treasury Bonds	-0.63%	0.36%	2.33%
TLT	20+ Year Treasury Bonds	-1.66%	-1.97%	4.45%
TIP	TIPS Bonds	-0.41%	-0.34%	1.19%
FLOT	Floating Rate Bonds	0.00%	0.74%	0.18%
LQD	Investment Grade Corporate	-0.34%	0.12%	3.06%
HYG	High Yield Corporate	-0.12%	1.43%	2.82%
BKLN	Senior Loan	-0.14%	1.92%	2.24%
PFF	Preferred & Income Securities	0.25%	3.17%	4.91%
MUB	Municipal Bonds	0.07%	0.87%	1.35%
MBB	MBS	-0.41%	0.86%	2.12%
EMB	Dollar Denominated EM Bonds	-0.62%	0.30%	1.69%
LEMB	Local Currency EM Bond	0.18%	2.71%	2.06%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.31%	-2.65%	-4.03%
DBE	Energy	-0.51%	0.08%	-6.09%
USO	WTI Crude Oil	0.03%	4.85%	-6.00%
BNO	Brent Crude Oil	0.27%	4.20%	-6.97%
UNG	Natural Gas	-8.05%	-40.65%	-18.94%
UGA	Gasoline	0.96%	12.09%	-6.56%
DBP	Precious Metals	0.27%	3.72%	1.96%
GLD	Gold	0.37%	4.60%	3.01%
SLV	Silver	-0.05%	0.79%	-1.32%
PPLT	abrdn Physical Platin..	0.00%	5.52%	0.78%
PALL	abrdn Physical Palla..	0.29%	-8.74%	-0.19%
DBB	Base Metals	1.12%	1.93%	6.43%
CPER	Copper	1.65%	6.28%	6.93%
LD	Lead	-1.56%	1.39%	-4.76%
JJN	Nickel	0.30%	-4.18%	-8.35%
JJU	Aluminum	1.36%	-0.56%	2.50%
JJT	Tin	0.31%	7.47%	3.07%
DBA	Agriculture	-1.07%	-0.23%	-3.62%
CORN	Corn	0.08%	0.78%	-3.68%
SOYB	Soybeans	-0.46%	-0.32%	-2.35%
WEAT	Wheat	-1.73%	-0.67%	-7.27%
CANE	Sugar	1.21%	-0.52%	-2.08%
BAL	Cotton	-2.04%	4.57%	1.39%
NIB	Cocoa	-3.12%	5.10%	0.92%
JO	Coffee	-4.03%	-4.77%	-10.36%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.07%	-1.29%	-0.22%
UDN	Short Dollar	-0.16%	1.74%	0.27%
FXE	Euro	0.03%	2.02%	0.31%
FXB	British Pound Sterling	-0.23%	-0.69%	0.72%
FXF	Swiss Franc	-0.18%	1.29%	0.17%
FXJ	Japanese Yen	-0.31%	3.44%	-0.68%
FXC	Canadian Dollar	-0.30%	1.90%	0.90%
FXA	Australian Dollar	-0.26%	1.54%	1.25%

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