

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

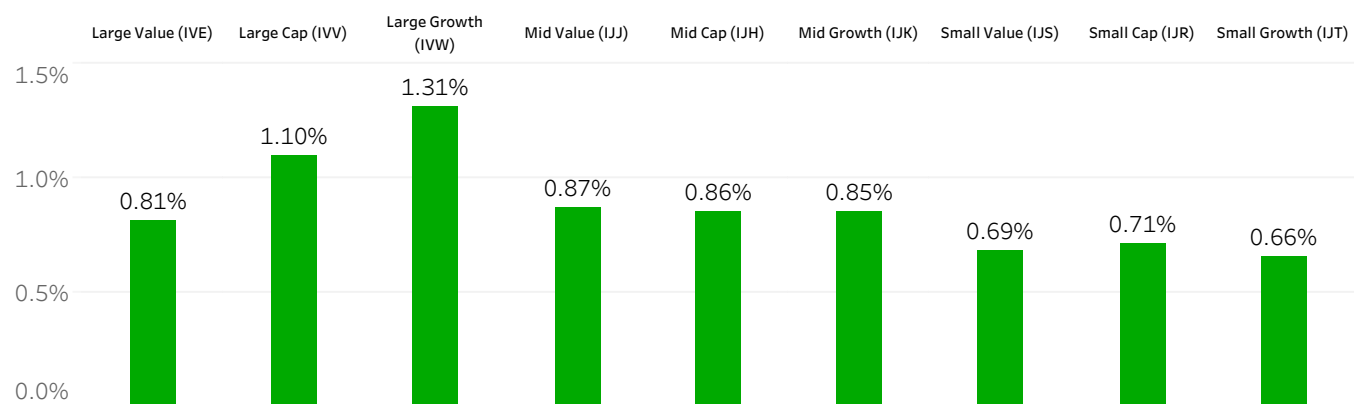


Small Cap Blend (S&P 600) IJR



■ 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
QQH	HCM Defender 100 Index ETF	2.14%
IPO	Renaissance IPO ETF	2.08%
QQQ	Invesco QQQ Trust	1.95%
QQQM	Invesco NASDAQ 100 ETF	1.94%
COWZ	Pacer US Cash Cows 100 ETF	1.87%
HLAL	Wahed FTSE USA Shariah ETF	1.83%
SCHG	Schwab U.S. Large-Cap Growth ETF	1.78%
WINN	Harbor Long-Term Growers ETF	1.77%
MGK	Vanguard Mega Cap Growth ETF	1.67%
TMFC	Motley Fool 100 Index ETF	1.66%

Size & Style Most Overbought

Ticker	Fund	Value
LSAT	Leadershires Alphafactor Tactical Focused ETF	75.16
QQH	HCM Defender 100 Index ETF	73.19
RFV	Invesco S&P Midcap 400 Pure Value ETF	72.03
GVIP	Goldman Sachs Hedge Industry VIP ETF	71.05
LGH	HCM Defender 500 Index ETF	70.83
CGGR	Capital Group Growth ETF	70.81
SQEW	LeaderShares Equity Skew ETF	69.91
SPHB	Invesco S&P 500 High Beta ETF	69.84
RZV	Invesco S&P Smallcap 600 Pure Value ETF	69.64
DUSA	Davis Select U.S. Equity ETF	69.62

Size & Style 1-Day Performance Laggards

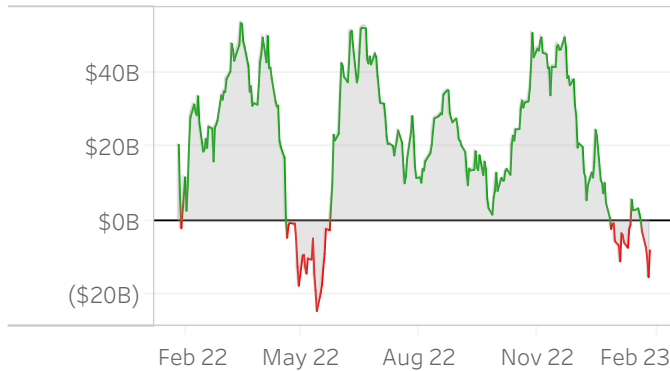
Ticker	Fund	Performance
FDM	First Trust Dow Jones Select MicroCap Index Fund	-0.38%
DURA	VanEck Durable High Dividend ETF	-0.11%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.08%
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	-0.05%
IWC	iShares Micro-Cap ETF	-0.03%
SCHD	Schwab US Dividend Equity ETF	-0.01%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.01%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.01%
SIXL	ETC 6 Meridian Low Beta Equity ETF	0.01%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	0.03%

Size & Style Most Oversold

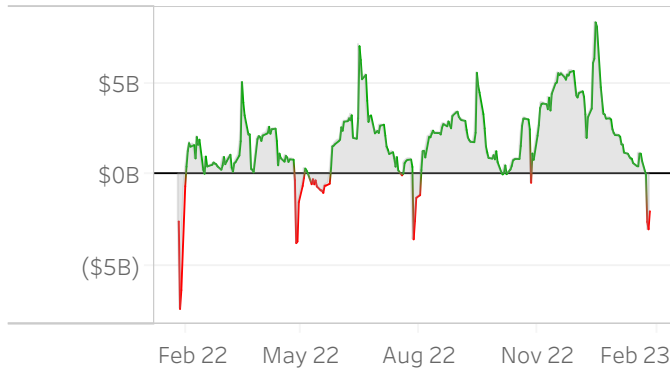
Ticker	Fund	Value
HUSV	First Trust Horizon Managed Volatility Domestic ETF	44.42
PTLC	Pacer Trendpilot US Large Cap ETF	44.89
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	45.24
DURA	VanEck Durable High Dividend ETF	45.49
SPLV	Invesco S&P 500 Low Volatility ETF	45.75
ALTL	Pacer Lunt Large Cap Alternator ETF	46.39
FTCS	First Trust Capital Strength ETF	49.70
DJD	Invesco Dow Jones Industrial Average Dividend ETF	49.82
WBIG	WBI BullBear Yield 3000 ETF	49.82
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	49.88

\*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	\$1,236B	\$0.60B	(\$13.93B)	\$22.55B	\$74.29B
Large Cap, Beta, Beta: Growth	10	\$225B	(\$0.81B)	\$5.63B	\$11.27B	\$23.25B
Large Cap, Beta, Beta: Value	11	\$227B	(\$0.36B)	(\$1.65B)	\$1.92B	\$15.65B
Mid Cap, Beta, Beta	10	\$189B	\$0.01B	\$2.76B	\$6.77B	\$11.73B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.18B)	(\$0.39B)	\$0.54B	\$0.52B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.11B	(\$0.25B)	\$1.08B	\$1.00B
Small Cap, Beta, Beta	13	\$199B	(\$0.83B)	\$2.47B	\$5.45B	\$0.08B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.20B)	\$0.38B	\$0.56B	\$1.78B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.06B)	\$1.01B	\$1.32B	(\$3.17B)

U.S. Size & Style Flow Leaders

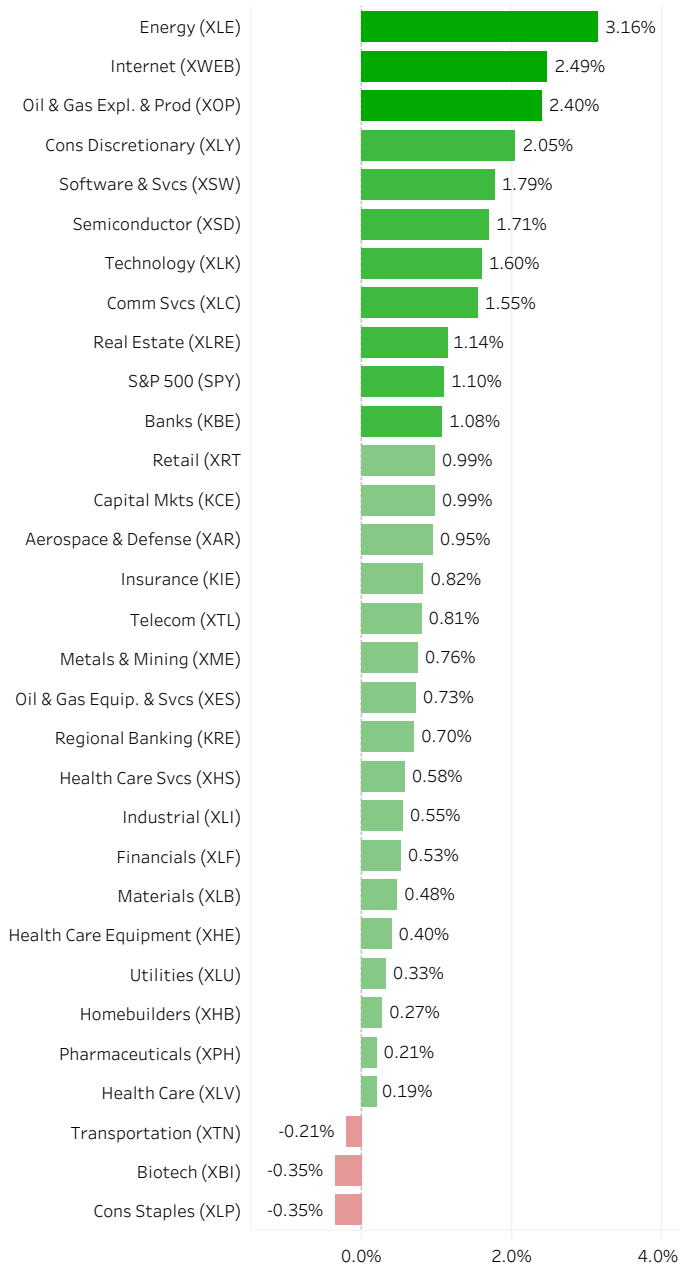
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.33B	(\$5.86B)	\$8.18B	(\$0.08B)	\$375.35B
SPHQ	Invesco S&P 500 Quality ETF	\$0.57B	\$0.74B	\$0.77B	\$1.04B	\$4.38B
IVV	iShares Core S&P 500 ETF	\$0.48B	(\$2.61B)	\$5.24B	\$22.55B	\$302.51B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.29B	(\$0.37B)	\$0.57B	\$0.77B	\$29.56B
VTV	Vanguard Value ETF	\$0.26B	(\$3.53B)	(\$1.04B)	\$9.84B	\$101.88B
COWZ	Pacer US Cash Cows 100 ETF	\$0.25B	\$2.69B	\$4.63B	\$9.74B	\$11.82B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$0.21B	(\$0.14B)	\$0.08B	(\$0.51B)	\$8.10B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.20B	\$0.73B	\$1.27B	\$3.83B	\$15.48B
IUSG	iShares Core S&P U.S. Growth ETF	\$0.17B	\$0.64B	\$1.07B	\$1.75B	\$11.67B
VTI	Vanguard Total Stock Market ETF	\$0.16B	\$4.48B	\$13.56B	\$23.81B	\$276.03B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
DGRO	iShares Core Dividend Growth ETF	(\$1.21B)	(\$0.85B)	\$0.00B	\$2.11B	\$23.73B
IWF	iShares Russell 1000 Growth ETF	(\$1.06B)	(\$0.65B)	\$0.27B	\$1.83B	\$59.79B
IWM	iShares Russell 2000 ETF	(\$1.01B)	(\$0.54B)	\$0.44B	(\$4.25B)	\$53.98B
QQQ	Invesco QQQ Trust	(\$0.98B)	(\$6.77B)	(\$8.64B)	\$2.86B	\$152.31B
IWD	iShares Russell 1000 Value ETF	(\$0.74B)	(\$1.90B)	(\$1.15B)	(\$1.74B)	\$53.62B
PKW	Invesco Buyback Achievers ETF	(\$0.42B)	(\$0.46B)	(\$0.20B)	(\$0.36B)	\$1.14B
VIG	Vanguard Dividend Appreciation ETF	(\$0.37B)	\$0.16B	\$1.12B	\$3.26B	\$65.73B
IWV	iShares Russell 3000 ETF	(\$0.28B)	\$0.16B	\$0.26B	\$0.13B	\$10.89B
IWB	iShares Russell 1000 ETF	(\$0.26B)	(\$0.42B)	\$0.55B	\$1.45B	\$28.34B
IWO	iShares Russell 2000 Growth ETF	(\$0.17B)	\$0.04B	\$0.03B	\$0.68B	\$10.02B

\* 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	-1.03%	39.07%	5.72%	13.68%	67.27
XLI	Industrial Select Sector SPDR Fund	-3.81%	21.58%	0.87%	7.17%	53.54
XLV	Health Care Select Sector SPDR Fund	-6.34%	11.58%	-1.67%	2.47%	44.96
XLB	Materials Select Sector SPDR Fund	-7.60%	24.29%	3.44%	7.15%	62.31
XLP	Consumer Staples Select Sector SPDR Fund	-9.31%	9.88%	-2.64%	-0.48%	42.01
XLF	Financial Select Sector SPDR Fund	-11.67%	19.68%	3.44%	7.61%	63.23
XLU	Utilities Select Sector SPDR Fund	-11.82%	11.98%	-2.44%	-2.71%	40.74
SPY	SPDR S&P 500 ETF Trust	-12.31%	13.52%	3.04%	2.99%	63.99
XLK	Technology Select Sector SPDR Fund	-17.02%	16.79%	5.09%	2.81%	66.62
XLRE	Real Estate Select Sector SPDR Fund	-20.97%	18.42%	4.52%	-0.74%	64.28
XLC	Communication Services Select Sector SPDR Fund	-23.60%	20.92%	9.61%	2.68%	74.92
XLY	Consumer Discretionary Select Sector SPDR Fund	-24.50%	14.53%	5.65%	-1.90%	68.05

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLE	Energy Select Sector SPDR Fund	3.16%
FTXN	First Trust Nasdaq Oil & Gas ETF	3.04%
IYE	iShares U.S. Energy ETF	3.02%
VDE	Vanguard Energy ETF	3.02%
FENY	Fidelity MSCI Energy Index ETF	3.01%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	2.65%
PXE	Invesco Dynamic Energy Exploration & Production ..	2.61%
IGV	iShares Expanded Tech-Software Sector ETF	2.47%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	2.41%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	2.40%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PNQI	Invesco NASDAQ Internet ETF	75.23
XLC	Communication Services Select Sector SPDR Fund	74.92
VOX	Vanguard Communication Services ETF	74.85
FCOM	Fidelity MSCI Communication Services Index ETF	74.13
PEJ	Invesco Dynamic Leisure & Entertainment ETF	73.34
XNTK	SPDR NYSE Technology ETF	73.07
FXZ	First Trust Materials AlphaDEX Fund	71.95
KBWD	Invesco KBW High Dividend Yield Financial ETF	70.97
INDS	Pacer Industrial Real Estate ETF	70.75
PYZ	Invesco DWA Basic Materials Momentum ETF	69.83

## Sector & Industry 1 Day Performance Laggards

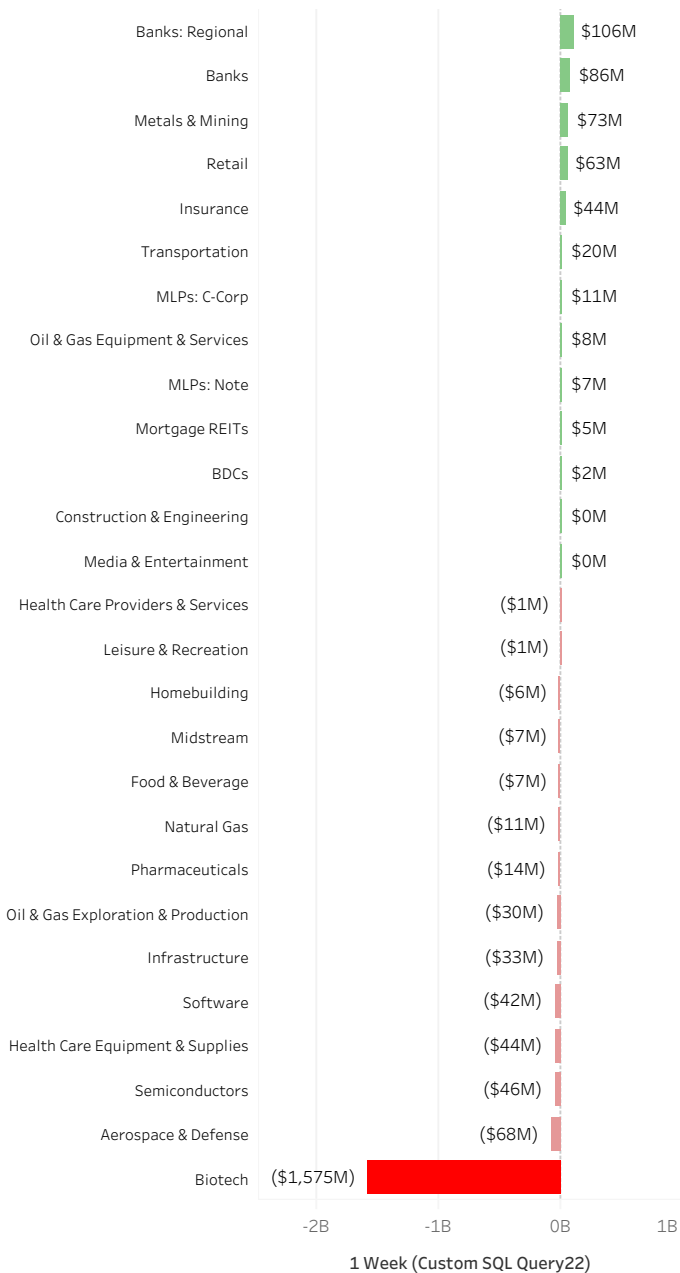
Ticker	Fund	1 Day Performance
PTH	Invesco DWA Healthcare Momentum ETF	-0.66%
PJP	Invesco Dynamic Pharmaceuticals ETF	-0.60%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-0.56%
PBJ	Invesco Dynamic Food & Beverage ETF	-0.46%
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.38%
XLP	Consumer Staples Select Sector SPDR Fund	-0.35%
XBI	SPDR S&P BIOTECH ETF	-0.35%
VDC	Vanguard Consumer Staples ETF	-0.28%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPL..	-0.23%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-0.23%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYK	iShares U.S. Consumer Staples ETF	38.96
XLU	Utilities Select Sector SPDR Fund	40.74
IDU	iShares U.S. Utilities ETF	40.91
FUTY	Fidelity MSCI Utilities Index ETF	41.75
FTXG	First Trust Nasdaq Food & Beverage ETF	41.83
VPU	Vanguard Utilities ETF	41.93
XLP	Consumer Staples Select Sector SPDR Fund	42.01
QABA	First Trust NASDAQ ABA Community Bank Index Fund	42.03
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	42.71
PBJ	Invesco Dynamic Food & Beverage ETF	43.76

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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	\$13B	\$136M	\$55M	(\$90M)	(\$642M)
Consumer Discretionary	12	\$21B	(\$163M)	(\$622M)	\$113M	(\$5,077M)
Consumer Staples	10	\$30B	(\$136M)	\$2,002M	\$3,020M	\$6,018M
Energy	32	\$83B	\$258M	(\$1,126M)	\$645M	(\$3,188M)
Financials	26	\$60B	(\$302M)	(\$1,734M)	\$538M	(\$18,325M)
Health Care	23	\$96B	(\$2,045M)	\$900M	\$847M	\$7,990M
Industrial	13	\$31B	(\$405M)	\$1,246M	\$1,016M	(\$1,606M)
Materials	9	\$15B	\$174M	\$528M	(\$476M)	(\$1,043M)
Multi-Sector	19	\$14B	(\$74M)	(\$559M)	(\$1,690M)	(\$6,509M)
Real Estate	25	\$62B	\$110M	\$133M	(\$737M)	(\$5,829M)
Technology	23	\$119B	(\$343M)	(\$1,500M)	\$43M	(\$250M)
Utilities	9	\$26B	(\$61M)	(\$191M)	\$600M	\$4,437M

## U.S. Sector & Industry Flow Leaders

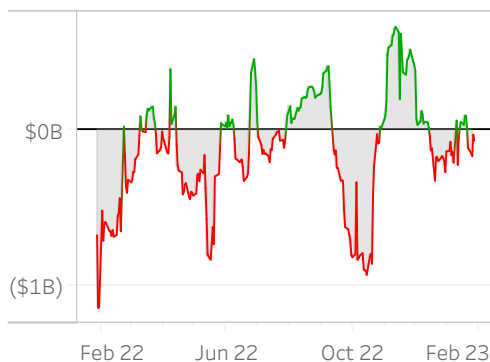
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$276M	(\$516M)	\$545M	(\$2,434M)	\$42,464M
VGT	Vanguard Information Technology ETF	\$156M	\$123M	(\$705M)	\$520M	\$42,049M
XLC	Communication Services Select Sector SPDR Fu..	\$135M	\$2M	(\$209M)	(\$493M)	\$9,100M
KRE	SPDR S&P Regional Banking ETF	\$127M	(\$993M)	(\$461M)	(\$2,410M)	\$2,448M
XLRE	Real Estate Select Sector SPDR Fund	\$107M	\$220M	\$308M	\$551M	\$5,340M
XLB	Materials Select Sector SPDR Fund	\$91M	\$280M	(\$238M)	(\$1,502M)	\$6,131M
KBWB	Invesco KBW Bank ETF	\$82M	(\$244M)	\$111M	(\$973M)	\$1,863M
XME	SPDR S&P Metals & Mining ETF	\$73M	\$347M	\$240M	\$125M	\$2,548M
XRT	SPDR S&P Retail ETF	\$63M	(\$109M)	(\$37M)	(\$162M)	\$342M
XHE	SPDR S&P Health Care Equipment ETF	\$60M	\$30M	\$30M	(\$40M)	\$459M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	(\$1,568M)	(\$51M)	(\$467M)	\$1,264M	\$7,831M
XLF	Financial Select Sector SPDR Fund	(\$494M)	(\$398M)	\$1,081M	(\$10,273M)	\$32,601M
XLK	Technology Select Sector SPDR Fund	(\$416M)	(\$394M)	\$41M	\$658M	\$40,223M
XLV	Health Care Select Sector SPDR Fund	(\$396M)	\$782M	\$943M	\$6,309M	\$41,017M
XLI	Industrial Select Sector SPDR Fund	(\$272M)	\$332M	\$262M	(\$2,613M)	\$14,038M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$188M)	(\$342M)	\$493M	(\$1,958M)	\$13,797M
XLP	Consumer Staples Select Sector SPDR Fund	(\$124M)	\$1,318M	\$2,094M	\$2,620M	\$17,021M
IHI	iShares U.S. Medical Devices ETF	(\$104M)	(\$397M)	(\$640M)	(\$1,118M)	\$6,176M
IYJ	iShares U.S. Industrials ETF	(\$85M)	\$113M	\$47M	(\$195M)	\$1,226M
SOXX	iShares Semiconductor ETF	(\$59M)	(\$33M)	(\$349M)	(\$420M)	\$6,830M

\* 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



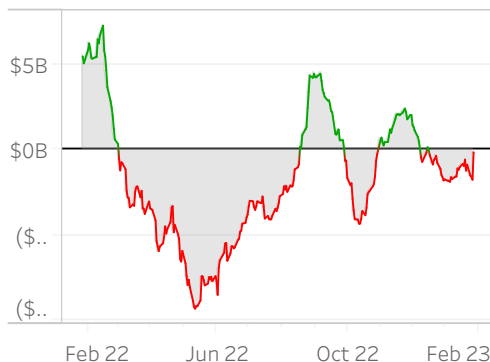
Consumer Staples



Energy



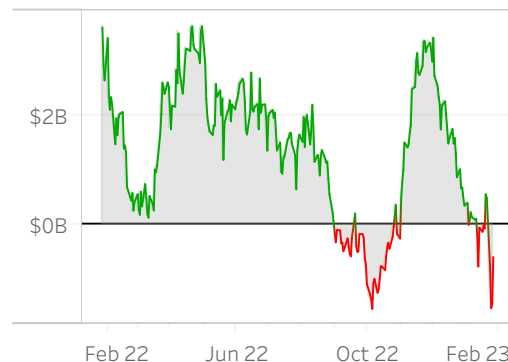
Financials



Industrial



Health Care



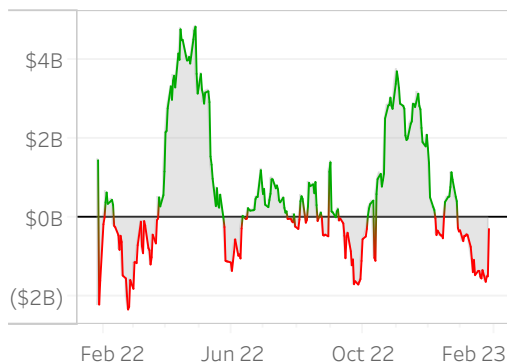
Materials



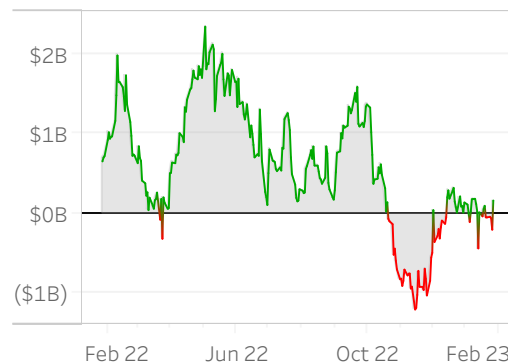
Real Estate



Technology



Utilities

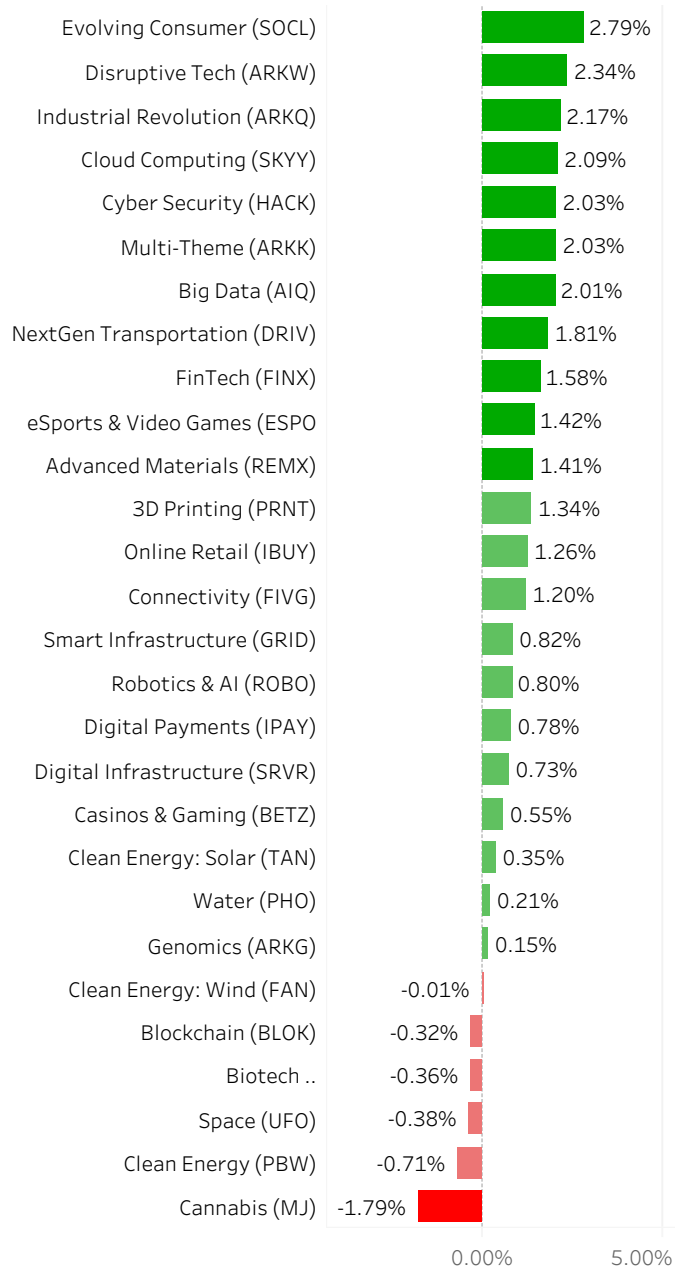


Multi-Sector

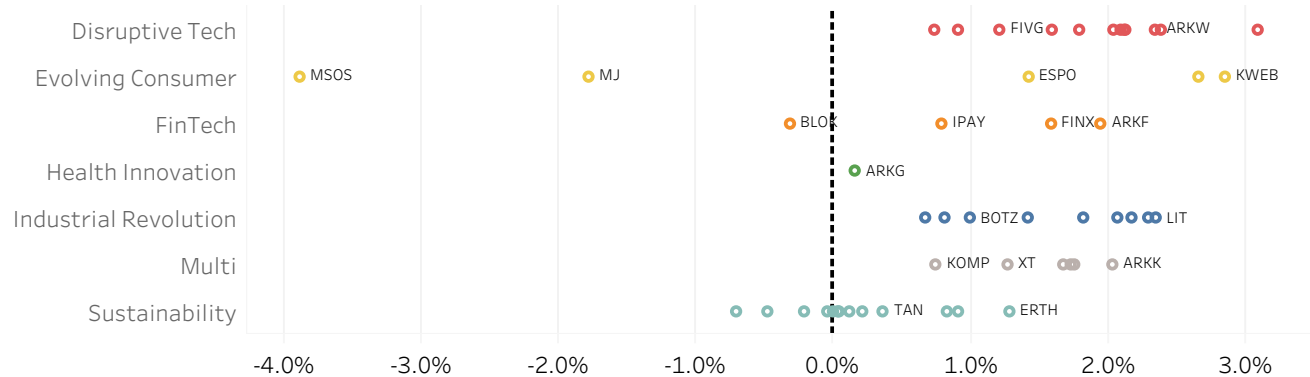


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KGRN	KraneShares MSCI China Clean Technology Index ETF	3.77%
WCLD	WisdomTree Cloud Computing Fund	3.08%
KWEB	KraneShares CSI China Internet ETF	2.84%
SOCL	Global X Social Media ETF	2.79%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	2.65%
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	2.43%
CIBR	First Trust NASDAQ Cybersecurity ETF	2.38%
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	2.38%
LIT	Global X Lithium & Battery Tech ETF	2.34%
ARKW	ARK Next Generation Internet ETF	2.34%

## Thematic Most Overbought

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	84.28
EBIZ	Global X E-Commerce ETF	76.92
LIT	Global X Lithium & Battery Tech ETF	76.18
SOCL	Global X Social Media ETF	74.89
REMX	VanEck Rare Earth/Strategic Metals ETF	74.56
GAMR	Wedbush ETFMG Video Game Tech ETF	74.19
HERO	Global X Video Games & Esports ETF	73.89
BJK	VanEck Gaming ETF	73.77
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	73.75
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	73.54

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
YOLO	AdvisorShares Pure Cannabis ETF	-6.97%
MSOS	AdvisorShares Pure US Cannabis ETF	-3.89%
MJ	ETFMG Alternative Harvest ETF	-1.79%
MJUS	ETFMG U.S. Alternative Harvest ETF	-1.69%
IDNA	iShares Genomics Immunology and Healthcare ETF	-1.00%
PBW	Invesco WilderHill Clean Energy ETF	-0.71%
EVX	VanEck Environmental Services ETF	-0.51%
CNRG	SPDR S&P Kensho Clean Power ETF	-0.48%
RNRG	Global X Renewable Energy Producers ETF	-0.48%
UFO	Procore Space ETF	-0.38%

## Thematic Most Oversold

Ticker	Fund	Price
MJUS	ETFMG U.S. Alternative Harvest ETF	29.57
MSOS	AdvisorShares Pure US Cannabis ETF	29.79
YOLO	AdvisorShares Pure Cannabis ETF	32.95
MJ	ETFMG Alternative Harvest ETF	43.53
SAMT	Stratgas Macro Thematic Opportunities ETF	49.45
RNRG	Global X Renewable Energy Producers ETF	51.03
ICLN	iShares Global Clean Energy ETF	51.32
TAN	Invesco Solar ETF	52.82
CNRG	SPDR S&P Kensho Clean Power ETF	54.20
ACES	ALPS Clean Energy ETF	54.41

\* 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	
ARKK	ARK Innovation ETF	\$120M
FMIL	Fidelity New Millennium ETF	\$23M
PBW	Invesco WilderHill Clean Energy ETF	\$13M
ARKW	ARK Next Generation Internet ETF	\$12M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$8M
XT	iShares Exponential Technologies ETF	\$8M
WCLD	WisdomTree Cloud Computing Fund	\$7M
ROBO	ROBO Global Robotics & Automation Index ETF	\$5M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M
BLOK	Amplify Transformational Data Sharing ETF	\$4M

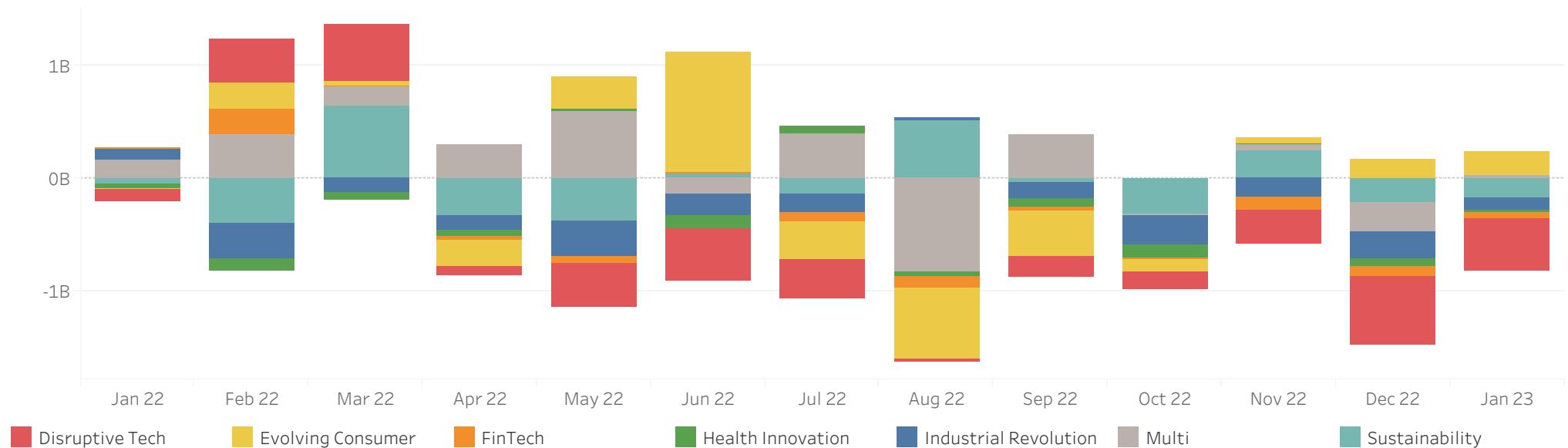
## Thematic 1 Week Flow Laggards

Ticker	Fund	
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$54M)
SKYY	First Trust Cloud Computing ETF	(\$36M)
LIT	Global X Lithium & Battery Tech ETF	(\$26M)
ARKG	ARK Genomic Revolution ETF	(\$24M)
BUG	Global X Cybersecurity ETF	(\$21M)
ICLN	iShares Global Clean Energy ETF	(\$19M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$13M)
FIW	First Trust Water ETF	(\$12M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$12M)
XPND	First Trust Expanded Technology ETF	(\$11M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$72M)	(\$1,379M)	(\$1,723M)	(\$2,200M)
Evolving Consumer	46	\$11B	(\$9M)	\$440M	(\$771M)	\$321M
FinTech	20	\$3B	(\$5M)	(\$247M)	(\$420M)	(\$307M)
Health Innovation	19	\$3B	(\$19M)	(\$91M)	(\$352M)	(\$609M)
Industrial Revolution	31	\$11B	(\$14M)	(\$545M)	(\$900M)	(\$2,072M)
Multi	41	\$14B	\$60M	(\$166M)	(\$595M)	\$1,194M
Sustainability	40	\$18B	(\$12M)	(\$155M)	\$56M	(\$628M)
Grand Total	232	\$76B	(\$70M)	(\$2,143M)	(\$4,704M)	(\$4,300M)

## Thematic Monthly Flows

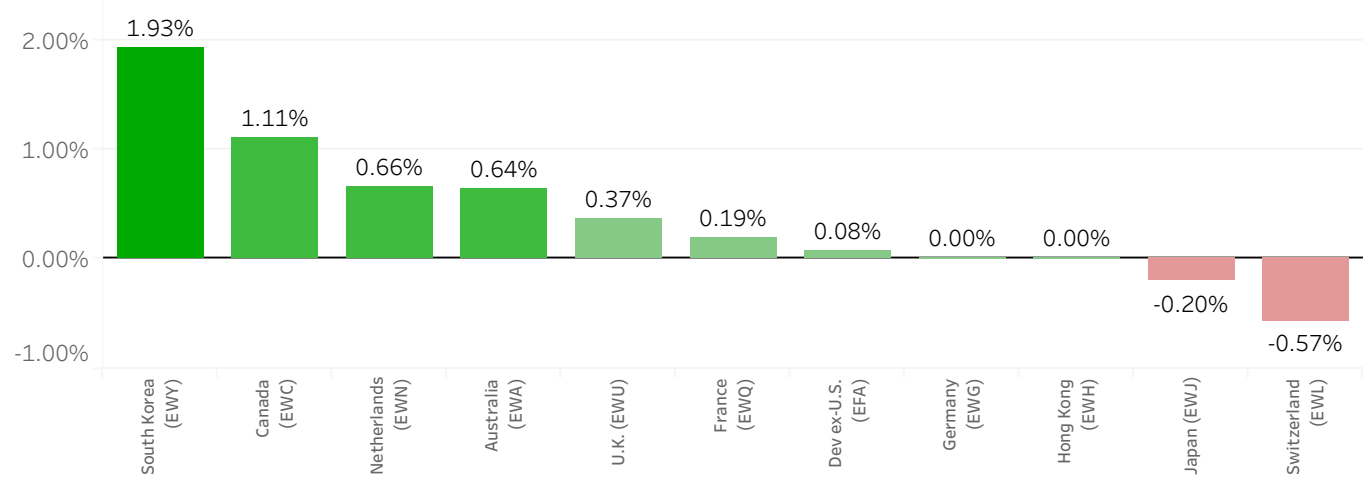


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



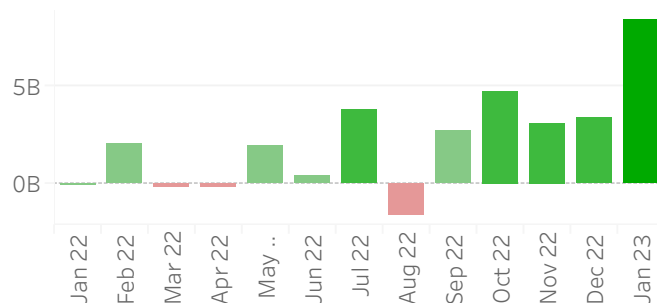
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWY	iShares MSCI South Korea ETF	1.93%
FLKR	Franklin FTSE South Korea ETF	1.88%
MINV	Matthews Asia Innovators Active ETF	1.76%
AIA	iShares Asia 50 ETF	1.57%
GREK	Global X MSCI Greece ETF	1.36%
EWC	iShares MSCI Canada ETF	1.11%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.09%
EWS	iShares MSCI Singapore ETF	1.09%
BBCA	JPMorgan BetaBuilders Canada ETF	1.01%
FLCA	Franklin FTSE Canada ETF	1.00%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
IMFL	Invesco International Developed Dynamic Multifactor ETF	81.86
DISV	Dimensional International Small Cap Value ETF	80.31
FYLD	Cambria Foreign Shareholder Yield ETF	79.86
EWP	iShares MSCI Spain ETF	79.58
IDV	iShares International Select Dividend ETF	79.27
EIRL	iShares MSCI Ireland ETF	78.97
DIM	WisdomTree International MidCap Dividend Fund	78.60
AIA	iShares Asia 50 ETF	78.55
AVIV	Avantis International Large Cap Value ETF	78.47
FEP	First Trust Europe AlphaDEX Fund	78.28

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EIS	iShares MSCI Israel ETF	-1.86%
ISRA	VanEck Israel ETF	-1.03%
EWD	iShares MSCI Sweden ETF	-0.92%
FLSW	Franklin FTSE Switzerland ETF	-0.79%
EWL	iShares MSCI Switzerland ETF	-0.57%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.31%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.30%
EUDG	WisdomTree Europe Quality Dividend Growth Fund	-0.28%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	-0.26%
FJP	First Trust Japan AlphaDEX Fund	-0.25%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
EIS	iShares MSCI Israel ETF	49.82
NORW	Global X MSCI Norway ETF	51.30
ISRA	VanEck Israel ETF	52.71
EDEN	iShares MSCI Denmark ETF	54.47
HEWJ	iShares Currency Hedged MSCI Japan ETF	55.66
IHDG	WisdomTree International Hedged Quality Dividend ..	60.50
IMOM	Alpha Architect International Quantitative Momentum..	60.59
HEFA	iShares Currency Hedged MSCI EAFE ETF	61.50
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	62.29
IVAL	Alpha Architect International Quantitative Value ETF	62.55

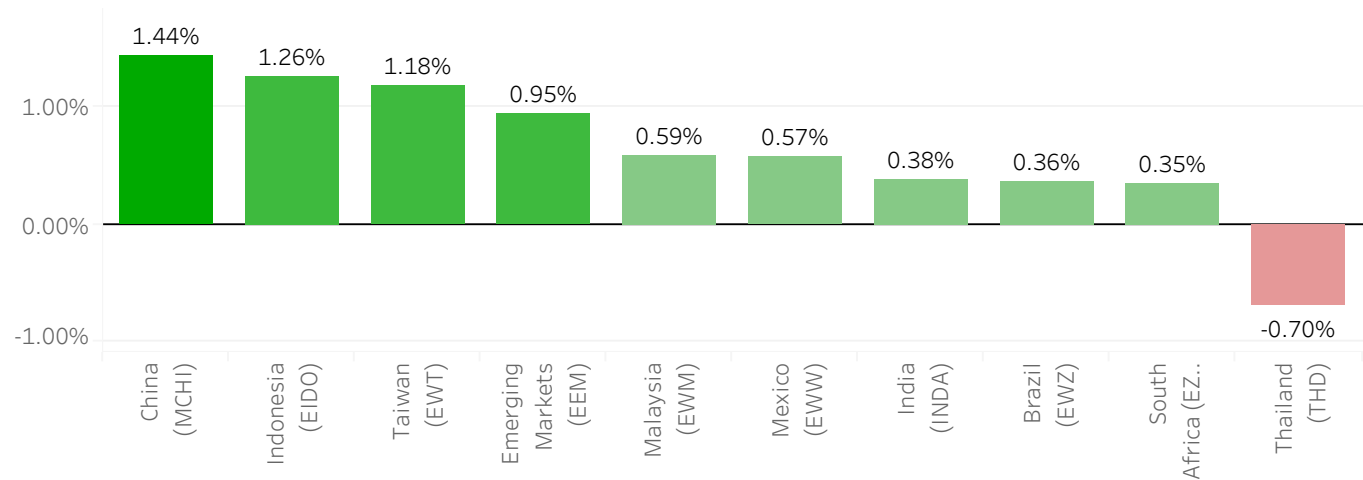
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Emerging (EEM)



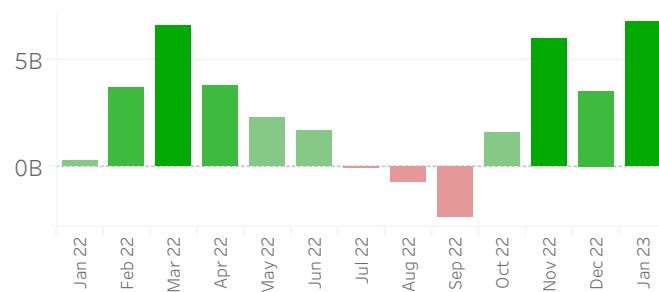
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	3.69%
ECH	iShares MSCI Chile ETF	2.52%
ECNS	iShares MSCI China Small-Cap ETF	2.47%
FTW	Franklin FTSE Taiwan ETF	1.50%
MCHI	iShares MSCI China ETF	1.44%
GXC	SPDR S&P China ETF	1.42%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	1.38%
NUEM	Nuveen ESG Emerging Markets Equity ETF	1.37%
FXI	iShares China Large-Cap ETF	1.31%
EIDO	iShares MSCI Indonesia ETF	1.26%

Emerging Most Overbought

Ticker	Fund	Value
CNYA	iShares MSCI China A ETF	81.21
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	80.85
DEM	WisdomTree Emerging Markets High Dividend Fund	80.39
DVYE	iShares Emerging Markets Dividend ETF	80.19
PXH	Invesco FTSE RAFI Emerging Markets ETF	79.28
NUEM	Nuveen ESG Emerging Markets Equity ETF	79.24
GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ..	78.97
IEM	Invesco RAFI Strategic Emerging Markets ETF	78.72
JEMA	JPMorgan ActiveBuilders Emerging Markets Equity E..	78.48
JPEM	J.P. Morgan Diversified Return Emerging Markets Eq..	78.43

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	-2.72%
QAT	iShares MSCI Qatar ETF	-0.82%
THD	iShares MSCI Thailand ETF	-0.70%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.52%
SMIN	iShares MSCI India Small Cap ETF	-0.04%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.00%
UEVM	VictoryShares Emerging Markets Value Momentum ETF	0.12%
KSA	iShares MSCI Saudi Arabia ETF	0.20%
EPHE	iShares MSCI Philippines ETF	0.21%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.21%

Emerging Most Oversold

Ticker	Fund	Value
PIN	Invesco India ETF	34.12
SMIN	iShares MSCI India Small Cap ETF	39.62
INDA	iShares MSCI India ETF	43.33
FLIN	Franklin FTSE India ETF	45.37
INDY	iShares India 50 ETF	45.58
NFTY	First Trust India NIFTY 50 Equal Weight ETF	45.61
TUR	iShares MSCI Turkey ETF	48.77
EPI	WisdomTree India Earnings Fund	49.29
QAT	iShares MSCI Qatar ETF	52.61
GLIN	VanEck India Growth Leaders ETF	53.65

\* 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	-0.17%	2.31%	3.34%
SHY	1-3 Year Treasury Bonds	-0.06%	0.50%	0.69%
IEF	7-10 Year Treasury Bonds	-0.36%	2.50%	3.54%
TLT	20+ Year Treasury Bonds	-0.47%	4.72%	7.45%
TIP	TIPS Bonds	-0.01%	2.29%	2.76%
FLOT	Floating Rate Bonds	0.02%	0.76%	0.52%
LQD	Investment Grade Corporate	-0.04%	3.51%	5.11%
HYG	High Yield Corporate	0.25%	2.69%	3.75%
BKLN	Senior Loan	0.05%	1.88%	3.27%
PFF	Preferred & Income Securities	0.54%	8.49%	9.24%
MUB	Municipal Bonds	0.09%	2.33%	2.54%
MBB	MBS	-0.34%	2.39%	3.44%
EMB	Dollar Denominated EM Bonds	0.00%	4.23%	4.95%
LEMB	Local Currency EM Bond	-0.25%	4.36%	4.24%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.63%	0.12%	-0.06%
DBE	Energy	0.54%	0.26%	-0.62%
USO	WTI Crude Oil	0.60%	2.32%	1.17%
BNO	Brent Crude Oil	0.98%	3.27%	1.59%
UNG	Natural Gas	-1.94%	-39.53%	-31.77%
UGA	Gasoline	0.70%	9.87%	5.12%
DBP	Precious Metals	-0.72%	5.99%	4.38%
GLD	Gold	-0.91%	7.30%	5.79%
SLV	Silver	0.09%	0.64%	-0.14%
PPLT	abrdn Physical Platin..	-1.99%	-0.38%	-4.84%
PALL	abrdn Physical Palla..	-1.71%	-5.07%	-6.26%
DBB	Base Metals	0.36%	14.11%	14.76%
CPER	Copper	0.31%	12.58%	12.43%
LD	Lead	1.56%	1.81%	-4.49%
JJN	Nickel	0.49%	-0.95%	-1.42%
JJU	Aluminum	-0.29%	10.58%	10.55%
JJT	Tin	4.94%	35.89%	29.99%
DBA	Agriculture	1.38%	-1.83%	-1.59%
CORN	Corn	0.61%	0.83%	-1.30%
SOYB	Soybeans	1.01%	0.22%	-2.11%
WEAT	Wheat	2.01%	-2.31%	-4.64%
CANE	Sugar	1.76%	0.22%	2.94%
BAL	Cotton	0.85%	3.08%	5.24%
NIB	Cocoa	1.66%	-0.19%	1.62%
JO	Coffee	2.44%	-2.66%	0.11%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.26%	-1.97%	-1.37%
UDN	Short Dollar	-0.24%	2.53%	1.76%
FXE	Euro	-0.20%	2.64%	1.78%
FXB	British Pound Sterling	0.10%	3.21%	2.95%
FXF	Swiss Franc	-0.24%	1.43%	0.39%
FXJ	Japanese Yen	-0.56%	1.97%	0.65%
FXC	Canadian Dollar	0.45%	2.19%	1.75%
FXA	Australian Dollar	0.23%	6.05%	4.61%

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