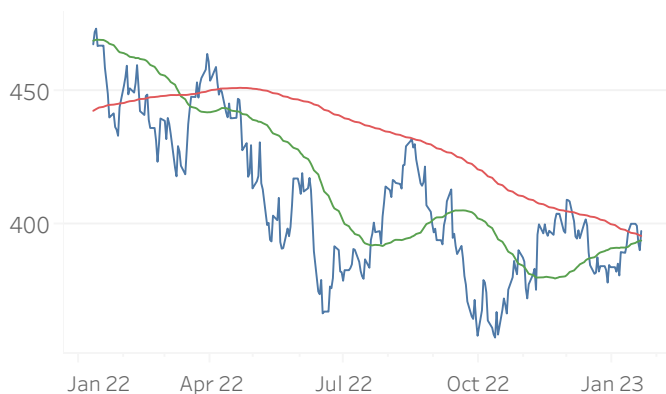


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

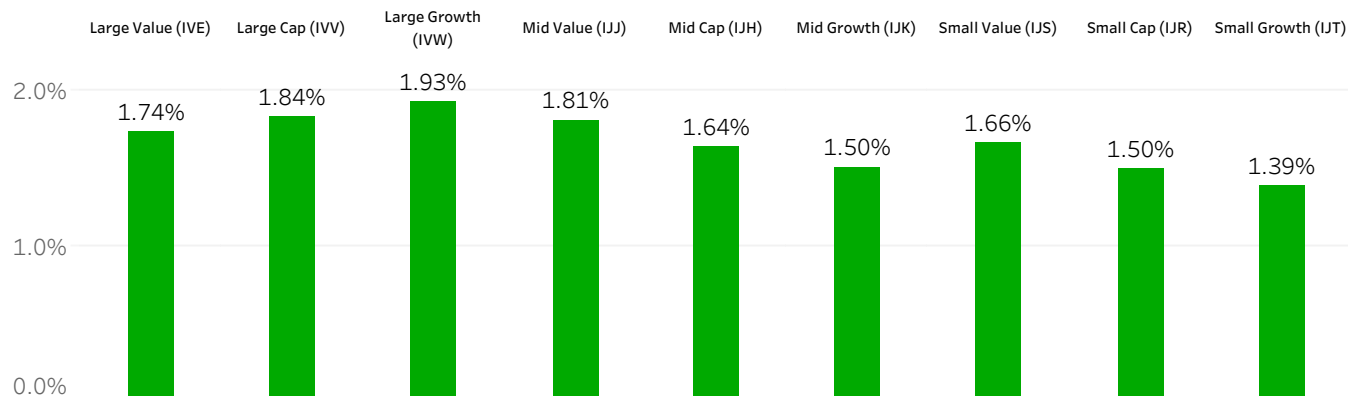


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	3.62%
BUZZ	VanEck Social Sentiment ETF	3.52%
SPHB	Invesco S&P 500 High Beta ETF	3.26%
LCG	Sterling Capital Focus Equity ETF	3.12%
MGK	Vanguard Mega Cap Growth ETF	2.96%
QQQM	Invesco NASDAQ 100 ETF	2.75%
SCHG	Schwab U.S. Large-Cap Growth ETF	2.74%
QQQ	Invesco QQQ Trust	2.74%
VUG	Vanguard Growth ETF	2.70%
MOAT	VanEck Morningstar Wide Moat ETF	2.63%

Size & Style Most Overbought

Ticker	Fund	Price
LSAT	Leadershires Alphafactor Tactical Focused ETF	68.86
RFV	Invesco S&P Midcap 400 Pure Value ETF	68.45
TMFS	Motley Fool Small-Cap Growth ETF	66.05
RZV	Invesco S&P Smallcap 600 Pure Value ETF	65.09
SQEW	LeaderShares Equity Skew ETF	64.19
GVIP	Goldman Sachs Hedge Industry VIP ETF	64.01
FNK	First Trust Mid Cap Value AlphaDEX Fund	63.82
RWK	Invesco S&P MidCap 400 Revenue ETF	63.63
FYT	First Trust Small Cap Value AlphaDEX Fund	63.45
SPHB	Invesco S&P 500 High Beta ETF	63.24

Size & Style 1-Day Performance Laggards

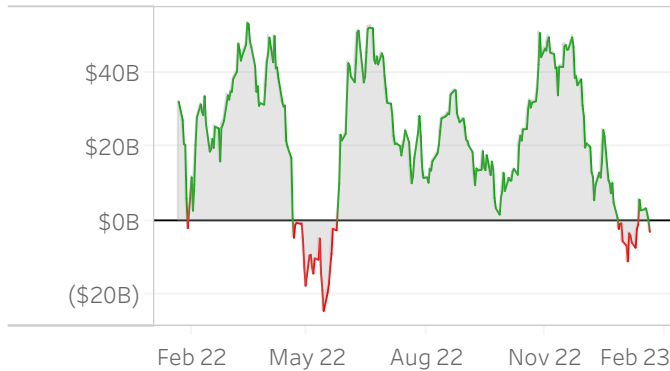
Ticker	Fund	1-Day Performance
PTLC	Pacer Trendpilot US Large Cap ETF	0.05%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.10%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.25%
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	0.26%
TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	0.38%
DURA	VanEck Durable High Dividend ETF	0.52%
MTUM	iShares MSCI USA Momentum Factor ETF	0.58%
WBIG	WBI BullBear Yield 3000 ETF	0.60%
SIXL	ETC 6 Meridian Low Beta Equity ETF	0.60%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	0.61%

Size & Style Most Oversold

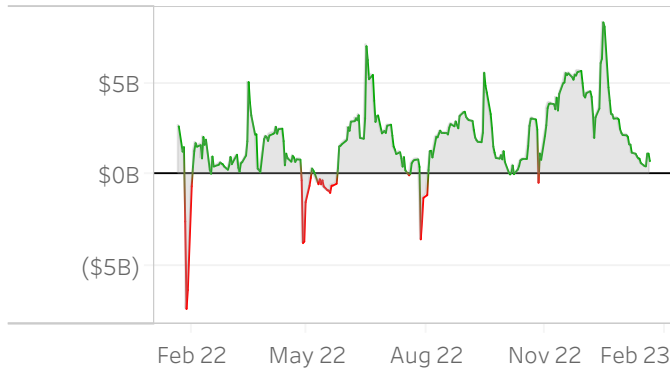
Ticker	Fund	Price
WBIG	WBI BullBear Yield 3000 ETF	38.34
HUSV	First Trust Horizon Managed Volatility Domestic ETF	40.67
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	40.94
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	41.42
ALTIL	Pacer Lunt Large Cap Alternator ETF	41.70
SPLV	Invesco S&P 500 Low Volatility ETF	41.99
DURA	VanEck Durable High Dividend ETF	42.67
MTUM	iShares MSCI USA Momentum Factor ETF	43.38
AUSF	Global X Adaptive U.S. Factor ETF	43.69
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	44.28

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

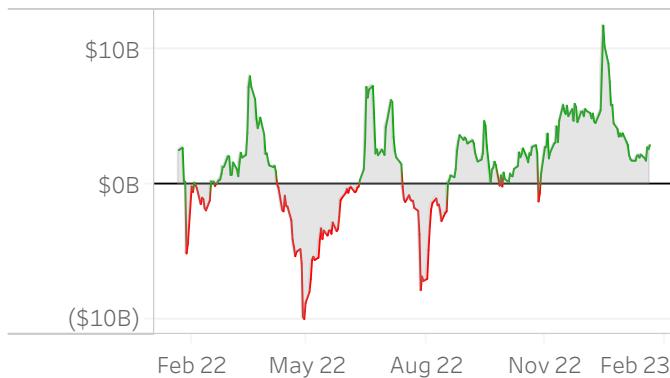
Large-Cap 30-Day Rolling Flows



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	\$1,196B	(\$0.72B)	(\$1.18B)	\$27.42B	\$70.48B
Large Cap, Beta, Beta: Growth	10	\$218B	(\$0.17B)	\$7.23B	\$12.40B	\$23.24B
Large Cap, Beta, Beta: Value	11	\$222B	(\$0.49B)	(\$0.47B)	\$2.30B	\$16.61B
Mid Cap, Beta, Beta	10	\$183B	\$0.10B	\$4.10B	\$7.03B	\$11.80B
Mid Cap, Beta, Beta: Growth	6	\$32B	(\$0.23B)	(\$0.24B)	\$0.75B	\$0.60B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.26B)	\$0.13B	\$1.30B	\$1.06B
Small Cap, Beta, Beta	13	\$194B	\$0.77B	\$3.77B	\$6.56B	\$3.47B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.07B)	\$0.70B	\$1.14B	\$1.87B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.05B)	\$1.17B	\$1.11B	(\$2.98B)

U.S. Size & Style Flow Leaders

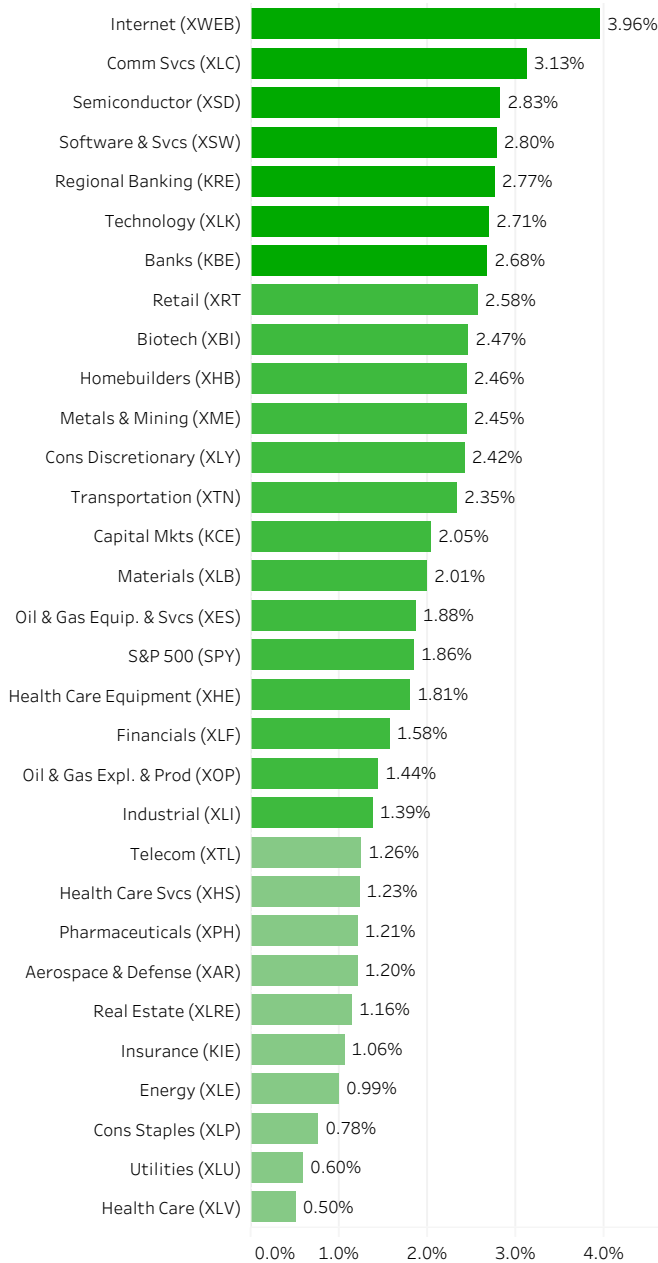
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$0.80B	\$5.79B	\$13.57B	\$24.91B	\$267.68B
VUG	Vanguard Growth ETF	\$0.40B	\$2.14B	\$4.10B	\$9.77B	\$71.26B
VB	Vanguard Small-Cap ETF	\$0.38B	\$0.75B	\$1.36B	\$0.31B	\$42.83B
VTV	Vanguard Value ETF	\$0.33B	(\$3.55B)	(\$1.33B)	\$10.05B	\$99.66B
VONG	Vanguard Russell 1000 Growth ETF	\$0.32B	\$1.48B	\$3.15B	\$3.73B	\$9.62B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.32B	\$2.61B	\$2.91B	\$4.65B	\$34.38B
SCHD	Schwab US Dividend Equity ETF	\$0.30B	\$4.72B	\$8.42B	\$15.22B	\$45.33B
COWZ	Pacer US Cash Cows 100 ETF	\$0.26B	\$2.67B	\$4.43B	\$9.59B	\$11.33B
QVML	Invesco S&P 500 QVM Multi-factor ETF	\$0.25B	\$0.26B	\$0.26B	\$0.27B	\$0.98B
JVAL	JPMorgan U.S. Value Factor ETF	\$0.24B	\$0.19B	\$0.12B	\$0.24B	\$0.68B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.00B)	(\$4.72B)	(\$6.33B)	\$0.64B	\$146.21B
IWF	iShares Russell 1000 Growth ETF	(\$0.87B)	\$0.63B	\$1.12B	\$2.93B	\$58.67B
IWD	iShares Russell 1000 Value ETF	(\$0.82B)	(\$0.89B)	(\$0.48B)	(\$1.26B)	\$53.04B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.57B)	\$0.03B	\$0.30B	\$0.31B	\$28.70B
HDV	iShares Core High Dividend ETF	(\$0.45B)	\$0.02B	(\$0.16B)	\$4.81B	\$12.49B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.39B)	(\$1.08B)	(\$2.25B)	\$1.27B	\$39.21B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.27B)	(\$0.31B)	(\$0.18B)	(\$0.64B)	\$13.02B
IWN	iShares Russell 2000 Value ETF	(\$0.24B)	(\$0.08B)	\$0.19B	(\$1.93B)	\$12.06B
VIG	Vanguard Dividend Appreciation ETF	(\$0.23B)	\$0.58B	\$1.24B	\$3.52B	\$64.61B
IWP	iShares Russell Mid-Cap Growth ETF	(\$0.22B)	(\$0.19B)	(\$0.23B)	(\$0.32B)	\$11.79B

* 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	-3.83%	35.15%	2.56%	10.77%	59.70
XLI	Industrial Select Sector SPDR Fund	-5.46%	19.50%	-0.75%	5.32%	47.02
XLV	Health Care Select Sector SPDR Fund	-6.25%	11.69%	-1.52%	2.50%	44.78
XLB	Materials Select Sector SPDR Fund	-8.58%	22.96%	2.63%	5.83%	58.85
XLP	Consumer Staples Select Sector SPDR Fund	-9.87%	9.20%	-3.29%	-1.27%	37.75
XLU	Utilities Select Sector SPDR Fund	-11.38%	12.53%	-1.82%	-2.43%	41.26
XLF	Financial Select Sector SPDR Fund	-13.86%	16.71%	1.03%	4.85%	54.08
SPY	SPDR S&P 500 ETF Trust	-14.23%	11.03%	0.90%	0.52%	56.17
XLK	Technology Select Sector SPDR Fund	-19.94%	12.68%	1.54%	-1.01%	58.44
XLRE	Real Estate Select Sector SPDR Fund	-22.49%	16.14%	2.89%	-3.14%	58.32
XLC	Communication Services Select Sector SPDR Fund	-26.12%	16.93%	6.71%	-1.12%	68.92
XLY	Consumer Discretionary Select Sector SPDR Fund	-27.44%	10.07%	1.50%	-6.22%	58.34

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PNQI	Invesco NASDAQ Internet ETF	3.73%
FDN	First Trust Dow Jones Internet Index Fund	3.46%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	3.40%
FCOM	Fidelity MSCI Communication Services Index ETF	3.35%
VOX	Vanguard Communication Services ETF	3.29%
IGV	iShares Expanded Tech-Software Sector ETF	3.22%
XNTK	SPDR NYSE Technology ETF	3.21%
KBWB	Invesco KBW Bank ETF	3.20%
IGM	iShares Expanded Tech Sector ETF	3.18%
IYW	iShares U.S. Technology ETF	3.14%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PNQI	Invesco NASDAQ Internet ETF	70.73
VOX	Vanguard Communication Services ETF	70.06
FCOM	Fidelity MSCI Communication Services Index ETF	70.00
KBWD	Invesco KBW High Dividend Yield Financial ETF	69.86
PEJ	Invesco Dynamic Leisure & Entertainment ETF	69.33
XLC	Communication Services Select Sector SPDR Fund	68.92
REM	iShares Mortgage Real Estate ETF	67.07
XTN	SPDR S&P Transportation ETF	66.23
FXZ	First Trust Materials AlphaDEX Fund	65.38
XNTK	SPDR NYSE Technology ETF	65.12

Sector & Industry 1 Day Performance Laggards

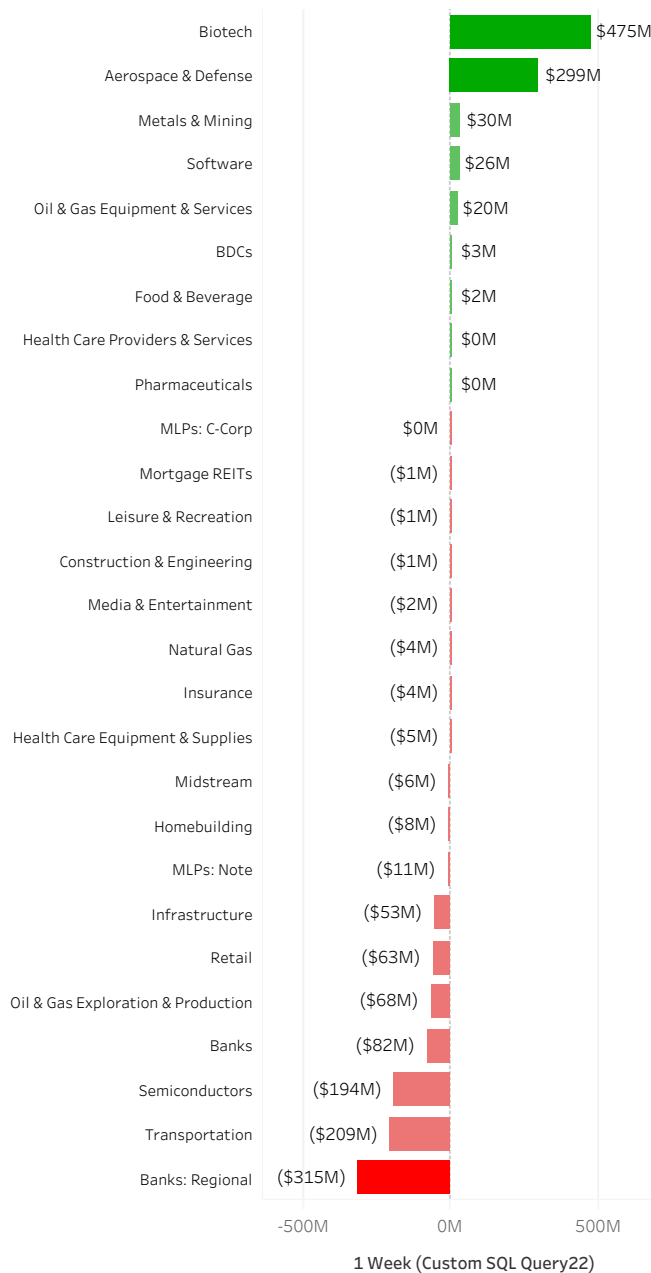
Ticker	Fund	1 Day Performance
IHE	iShares U.S. Pharmaceuticals ETF	-0.16%
FTXG	First Trust Nasdaq Food & Beverage ETF	0.15%
PJP	Invesco Dynamic Pharmaceuticals ETF	0.17%
TPYP	Tortoise North American Pipeline Fund	0.33%
INDS	Pacer Industrial Real Estate ETF	0.41%
IYK	iShares U.S. Consumer Staples ETF	0.41%
NETL	NETLease Corporate Real Estate ETF	0.42%
FXG	First Trust Consumer Staples AlphaDEX Fund	0.43%
AMZA	InfraCap MLP ETF	0.46%
IHF	iShares U.S. Healthcare Providers ETF	0.48%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
FTXG	First Trust Nasdaq Food & Beverage ETF	34.10
IYK	iShares U.S. Consumer Staples ETF	34.40
XLP	Consumer Staples Select Sector SPDR Fund	37.75
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	38.98
PBJ	Invesco Dynamic Food & Beverage ETF	39.14
VDC	Vanguard Consumer Staples ETF	39.36
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	39.66
IDU	iShares U.S. Utilities ETF	41.09
XLU	Utilities Select Sector SPDR Fund	41.26
FUTY	Fidelity MSCI Utilities Index ETF	41.33

* 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	(\$173M)	(\$101M)	(\$216M)	(\$838M)
Consumer Discretionary	12	\$20B	\$41M	(\$195M)	\$28M	(\$5,605M)
Consumer Staples	10	\$29B	\$84M	\$2,113M	\$3,010M	\$6,996M
Energy	32	\$81B	\$31M	(\$888M)	\$178M	(\$3,460M)
Financials	26	\$59B	(\$536M)	(\$247M)	\$756M	(\$17,145M)
Health Care	23	\$97B	\$930M	\$3,831M	\$2,934M	\$10,564M
Industrial	13	\$31B	(\$273M)	\$1,968M	\$1,301M	(\$1,918M)
Materials	9	\$15B	\$117M	\$343M	(\$794M)	(\$1,473M)
Multi-Sector	19	\$13B	(\$80M)	(\$186M)	(\$1,620M)	(\$6,655M)
Real Estate	25	\$61B	(\$127M)	\$217M	(\$990M)	(\$6,236M)
Technology	23	\$113B	(\$222M)	(\$608M)	\$546M	(\$556M)
Utilities	9	\$25B	\$23M	(\$310M)	\$371M	\$4,956M

U.S. Sector & Industry Flow Leaders

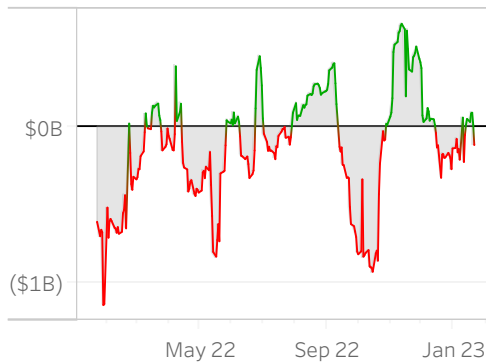
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$477M	\$1,609M	\$1,010M	\$3,607M	\$9,061M
XLV	Health Care Select Sector SPDR Fund	\$392M	\$1,708M	\$1,403M	\$6,502M	\$41,328M
ITA	iShares U.S. Aerospace & Defense ETF	\$289M	\$879M	\$810M	\$2,347M	\$4,913M
XLE	Energy Select Sector SPDR Fund	\$152M	(\$820M)	\$289M	(\$2,551M)	\$41,825M
FUTY	Fidelity MSCI Utilities Index ETF	\$133M	\$173M	\$232M	\$1,113M	\$2,252M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	\$94M	\$189M	\$240M	\$202M	\$569M
VFH	Vanguard Financials ETF	\$73M	(\$127M)	(\$268M)	(\$1,741M)	\$8,823M
XLB	Materials Select Sector SPDR Fund	\$66M	\$112M	(\$419M)	(\$1,785M)	\$5,898M
VDC	Vanguard Consumer Staples ETF	\$56M	\$149M	(\$32M)	\$379M	\$6,584M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$55M	\$4M	\$490M	(\$2,174M)	\$13,459M

U.S. Sector & Industry Flow Laggards

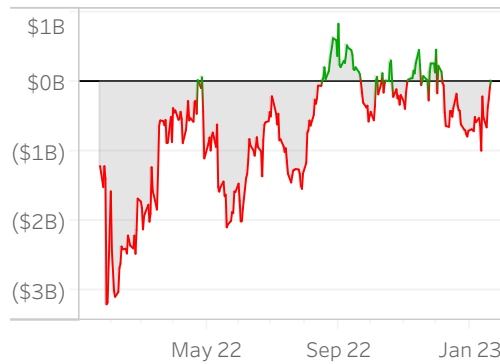
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$379M)	\$868M	\$498M	(\$2,659M)	\$13,874M
KRE	SPDR S&P Regional Banking ETF	(\$322M)	(\$953M)	(\$624M)	(\$2,398M)	\$2,251M
SOXX	iShares Semiconductor ETF	(\$195M)	(\$103M)	(\$290M)	(\$502M)	\$6,391M
XTN	SPDR S&P Transportation ETF	(\$183M)	(\$204M)	(\$249M)	(\$431M)	\$250M
XLC	Communication Services Select Sector SPDR Fu..	(\$174M)	(\$73M)	(\$314M)	(\$529M)	\$8,566M
XLF	Financial Select Sector SPDR Fund	(\$173M)	\$1,064M	\$1,539M	(\$9,047M)	\$32,170M
XLU	Utilities Select Sector SPDR Fund	(\$95M)	(\$365M)	\$86M	\$3,069M	\$15,784M
XLRE	Real Estate Select Sector SPDR Fund	(\$92M)	\$109M	\$214M	\$87M	\$5,138M
VGT	Vanguard Information Technology ETF	(\$83M)	\$25M	(\$870M)	(\$486M)	\$39,885M
PAVE	Global X U.S. Infrastructure Development ETF	(\$75M)	(\$132M)	(\$506M)	(\$1,609M)	\$3,553M

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

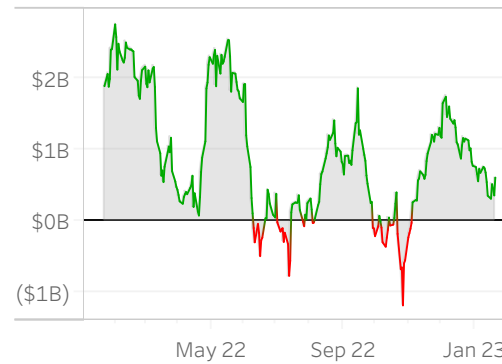
Communication Services



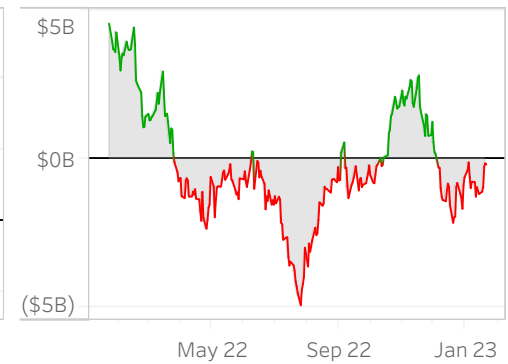
Consumer Discretionary



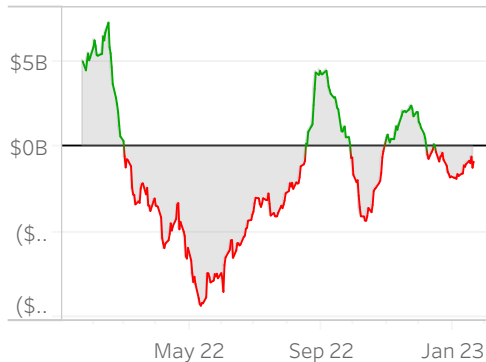
Consumer Staples



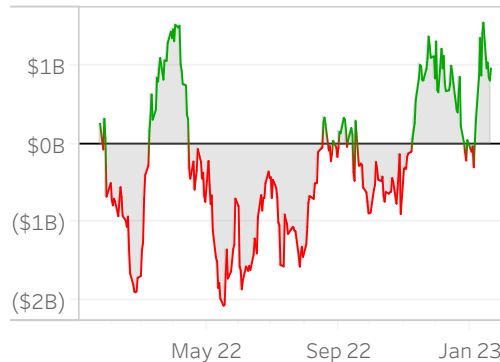
Energy



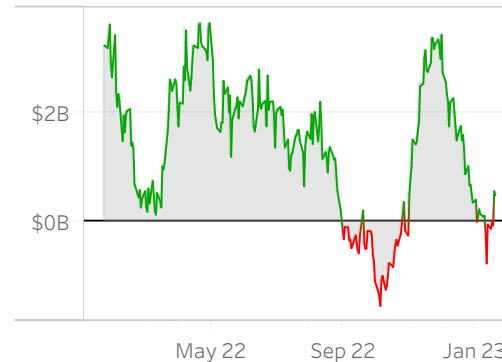
Financials



Industrial



Health Care



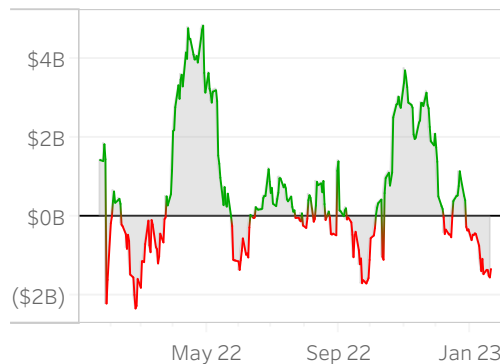
Materials



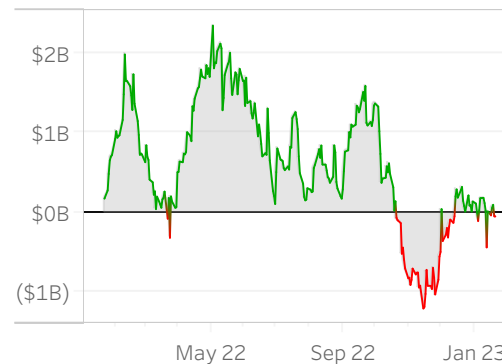
Real Estate



Technology



Utilities

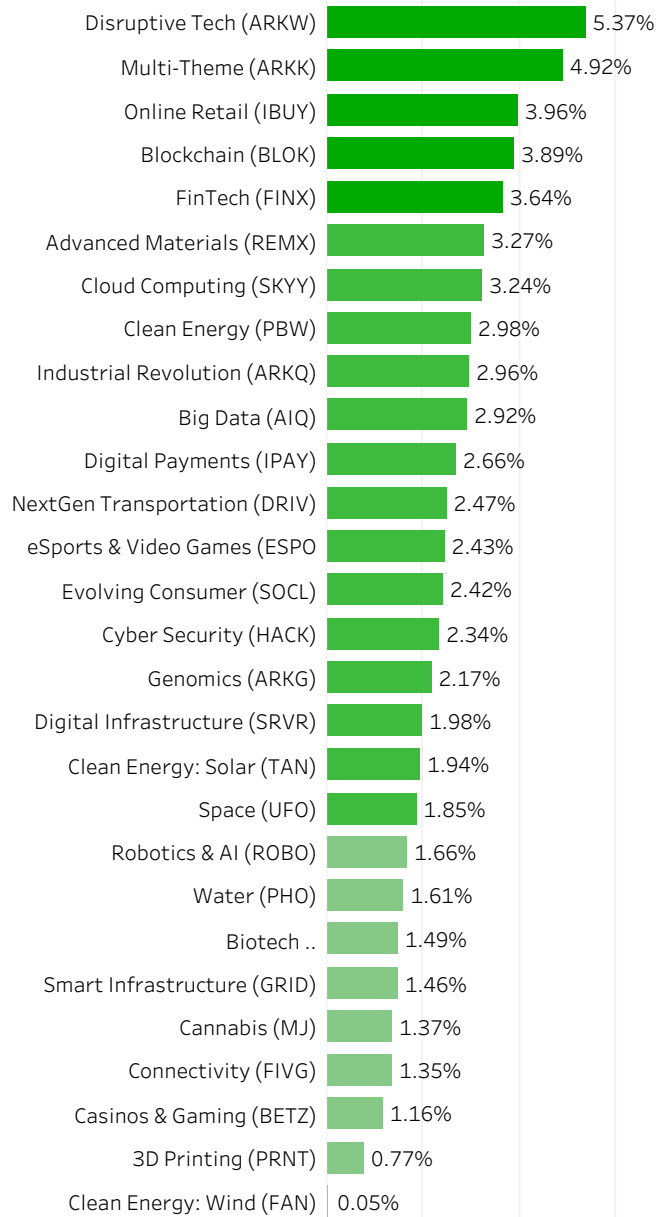


Multi-Sector

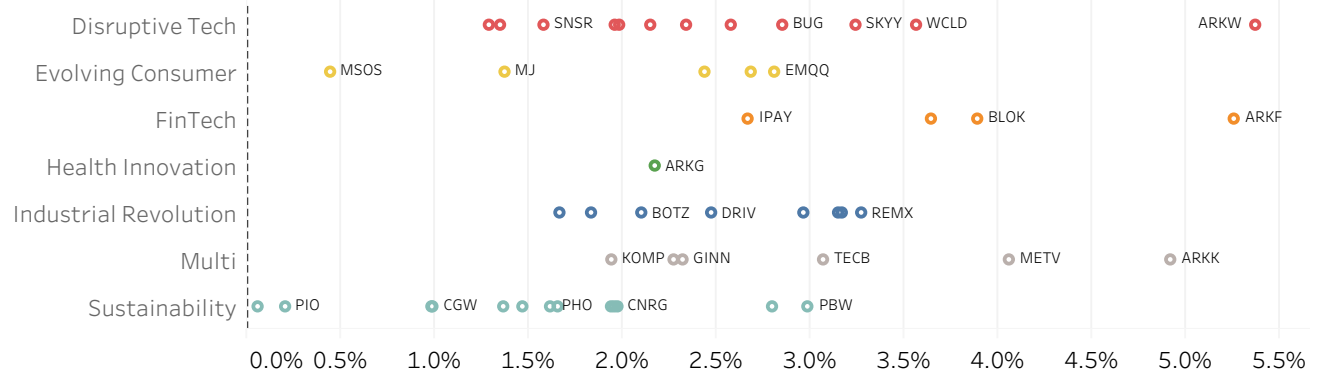


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
BKCH	Global X Blockchain ETF	7.66%
BITQ	Bitwise Crypto Industry Innovators ETF	6.11%
ARKW	ARK Next Generation Internet ETF	5.37%
ARKF	ARK Fintech Innovation ETF	5.25%
ARKK	ARK Innovation ETF	4.92%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	4.52%
ONLN	ProShares Online Retail ETF	4.51%
METV	Roundhill Ball Metaverse ETF	4.06%
IBUY	Amplify Online Retail ETF	3.96%
BLOK	Amplify Transformational Data Sharing ETF	3.89%

Thematic Most Overbought

Ticker	Fund	Value
AWAY	ETFMG Travel Tech ETF	82.13
EBIZ	Global X E-Commerce ETF	72.19
SOCL	Global X Social Media ETF	70.98
BITQ	Bitwise Crypto Industry Innovators ETF	70.01
BJK	VanEck Gaming ETF	69.86
BKCH	Global X Blockchain ETF	69.70
GBUY	Goldman Sachs Future Consumer Equity ETF	68.85
ROBO	ROBO Global Robotics & Automation Index ETF	68.48
BLOK	Amplify Transformational Data Sharing ETF	68.23
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	67.93

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
RNRG	Global X Renewable Energy Producers ETF	0.00%
FAN	First Trust Global Wind Energy ETF	0.05%
PIO	Invesco Global Water ETF	0.20%
AGNG	Global X Aging Population ETF	0.40%
MSOS	AdvisorShares Pure US Cannabis ETF	0.44%
MJUS	ETFMG U.S. Alternative Harvest ETF	0.54%
GDOC	Goldman Sachs Future Health Care Equity ETF	0.71%
PRNT	3D Printing ETF	0.77%
SMOG	VanEck Low Carbon Energy ETF	0.93%
SAMT	Strategas Macro Thematic Opportunities ETF	0.97%

Thematic Most Oversold

Ticker	Fund	Value
MJUS	ETFMG U.S. Alternative Harvest ETF	35.21
MSOS	AdvisorShares Pure US Cannabis ETF	37.51
SAMT	Strategas Macro Thematic Opportunities ETF	44.32
MJ	ETFMG Alternative Harvest ETF	45.01
YOLO	AdvisorShares Pure Cannabis ETF	45.14
RNRG	Global X Renewable Energy Producers ETF	50.64
ICLN	iShares Global Clean Energy ETF	51.80
PHO	Invesco Water Resources ETF	52.09
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	52.14
IHAK	iShares Cybersecurity & Tech ETF	52.19

* 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
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$13M
ARKF	ARK Fintech Innovation ETF	\$11M
XT	iShares Exponential Technologies ETF	\$10M
KWEB	KraneShares CSI China Internet ETF	\$8M
ROBO	ROBO Global Robotics & Automation Index ETF	\$8M
FAN	First Trust Global Wind Energy ETF	\$7M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
CGW	Invesco S&P Global Water Index ETF	\$4M
WCLD	WisdomTree Cloud Computing Fund	\$4M
POTX	Global X Cannabis ETF	\$3M

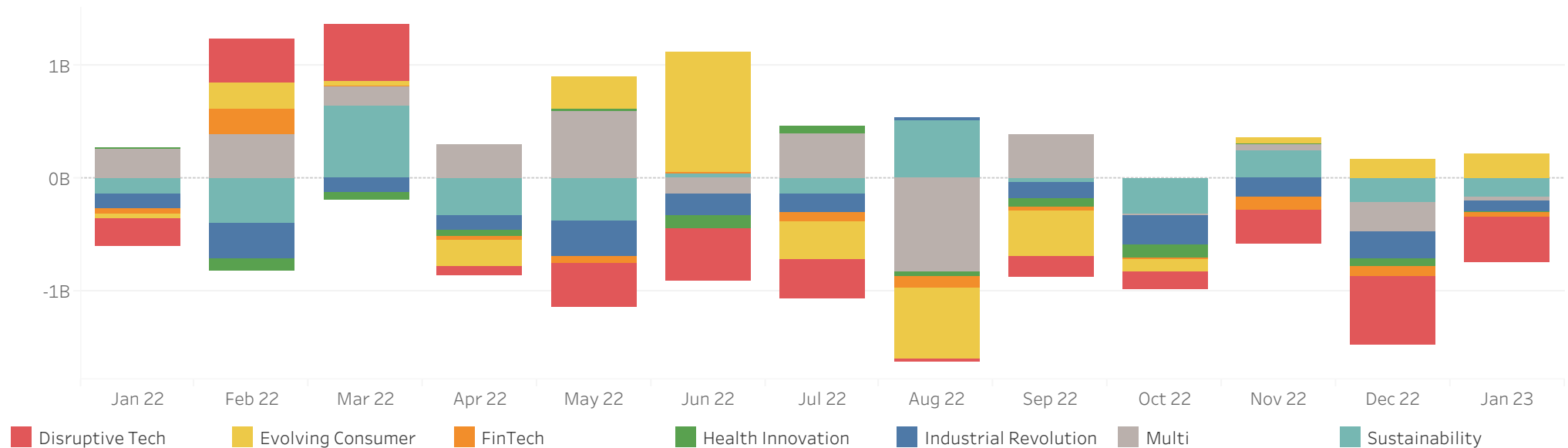
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
SKYY	First Trust Cloud Computing ETF	(\$105M)
BUG	Global X Cybersecurity ETF	(\$82M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$22M)
ARKG	ARK Genomic Revolution ETF	(\$21M)
ICLN	iShares Global Clean Energy ETF	(\$19M)
LIT	Global X Lithium & Battery Tech ETF	(\$15M)
FIW	First Trust Water ETF	(\$12M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$12M)
TARK	AXS 2X Innovation ETF	(\$11M)
ACES	ALPS Clean Energy ETF	(\$10M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$232M)	(\$1,350M)	(\$1,686M)	(\$2,268M)
Evolving Consumer	46	\$11B	(\$3M)	\$431M	(\$918M)	\$300M
FinTech	20	\$2B	\$3M	(\$244M)	(\$453M)	(\$367M)
Health Innovation	19	\$3B	(\$22M)	(\$104M)	(\$419M)	(\$540M)
Industrial Revolution	31	\$10B	(\$4M)	(\$583M)	(\$909M)	(\$2,272M)
Multi	41	\$13B	\$15M	(\$119M)	(\$802M)	\$1,218M
Sustainability	40	\$18B	(\$48M)	(\$319M)	\$22M	(\$703M)
Grand Total	232	\$73B	(\$291M)	(\$2,288M)	(\$5,166M)	(\$4,633M)

Thematic Monthly Flows

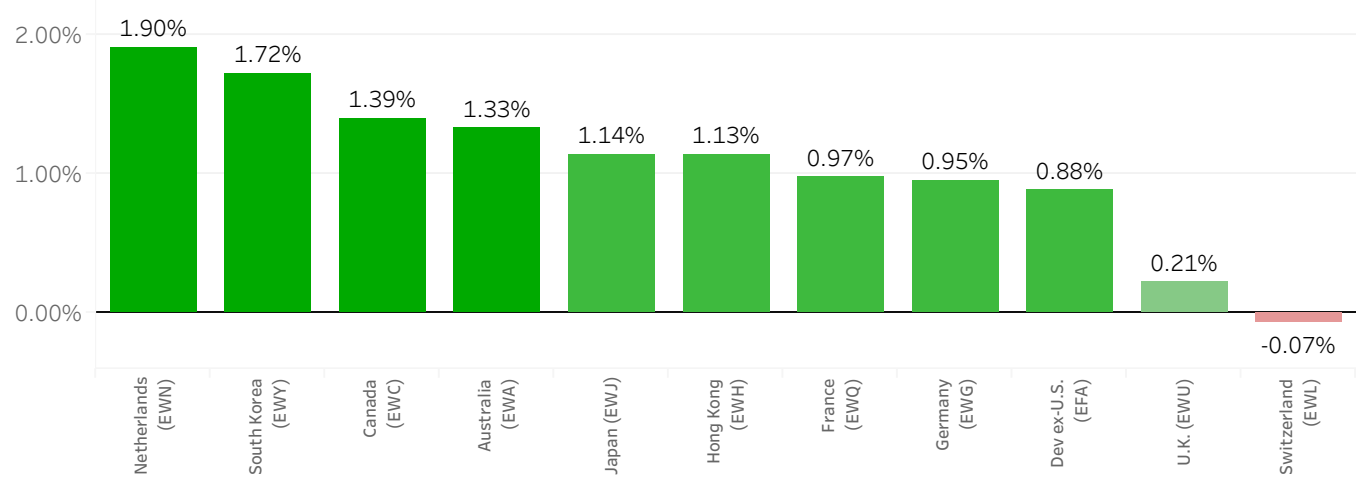


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



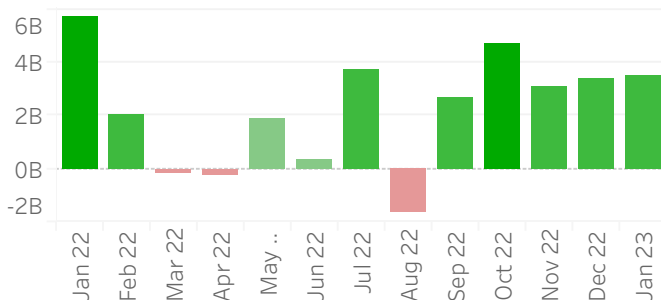
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DXJ	WisdomTree Japan Hedged Equity Fund	2.18%
AIA	iShares Asia 50 ETF	2.11%
HEWJ	iShares Currency Hedged MSCI Japan ETF	2.04%
MINV	Matthews Asia Innovators Active ETF	2.04%
ENZL	iShares MSCI New Zealand ETF	2.00%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.98%
TOK	iShares MSCI Kokusai ETF	1.97%
GREK	Global X MSCI Greece ETF	1.93%
EWN	iShares MSCI Netherlands ETF	1.90%
EWD	iShares MSCI Sweden ETF	1.84%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
IMFL	Invesco International Developed Dynamic Multifactor ETF	77.06
IDV	iShares International Select Dividend ETF	76.80
DISV	Dimensional International Small Cap Value ETF	76.70
EWP	iShares MSCI Spain ETF	76.37
FYLD	Cambria Foreign Shareholder Yield ETF	75.25
FEP	First Trust Europe AlphaDEX Fund	74.95
EIRL	iShares MSCI Ireland ETF	74.91
DTH	WisdomTree International High Dividend Fund	74.85
EWU	iShares MSCI United Kingdom ETF	74.58
DIM	WisdomTree International MidCap Dividend Fund	74.52

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FLSW	Franklin FTSE Switzerland ETF	-0.16%
EWL	iShares MSCI Switzerland ETF	-0.07%
FSZ	First Trust Switzerland AlphaDEX Fund	0.17%
EWU	iShares MSCI United Kingdom ETF	0.21%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	0.26%
EDEN	iShares MSCI Denmark ETF	0.38%
FLGB	Franklin FTSE United Kingdom ETF	0.41%
EFV	iShares MSCI EAFE Min Vol Factor ETF	0.42%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	0.48%
PBDM	Invesco PureBeta FTSE Developed ex-North America ETF	0.49%

Developed ex-U.S. Most Oversold

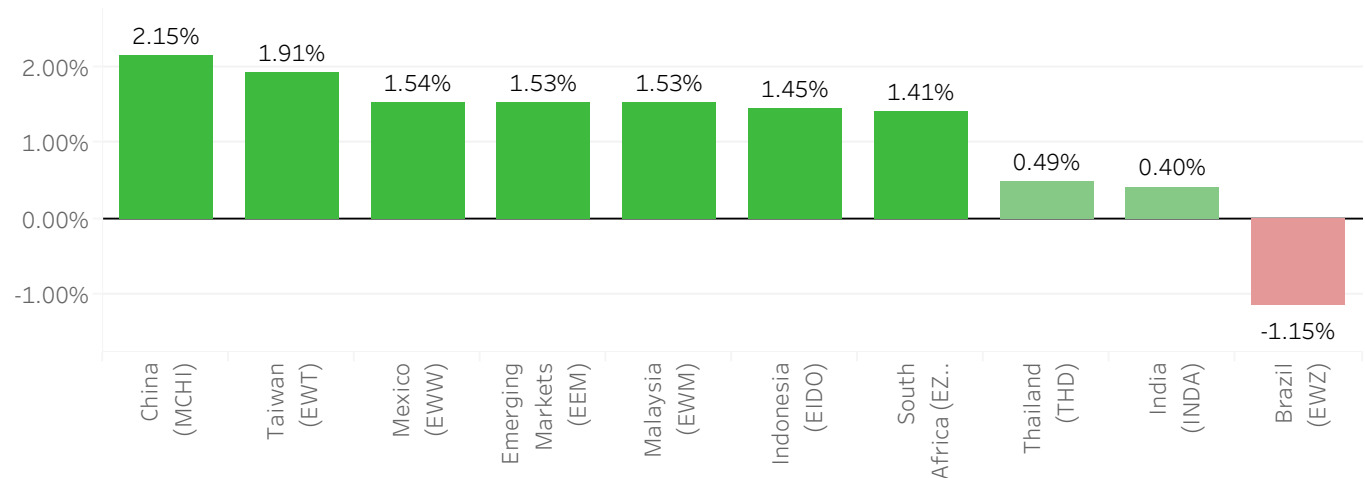
Ticker	Fund	Price
HEWJ	iShares Currency Hedged MSCI Japan ETF	46.98
NORW	Global X MSCI Norway ETF	52.95
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	56.59
HEFA	iShares Currency Hedged MSCI EAFE ETF	57.28
ISRA	VanEck Israel ETF	58.65
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	59.43
HEZU	iShares Currency Hedged MSCI Eurozone ETF	59.51
IVAL	Alpha Architect International Quantitative Value ETF	60.04
IHDG	WisdomTree International Hedged Quality Dividend ..	60.13
IMOM	Alpha Architect International Quantitative Moment..	60.40

*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)



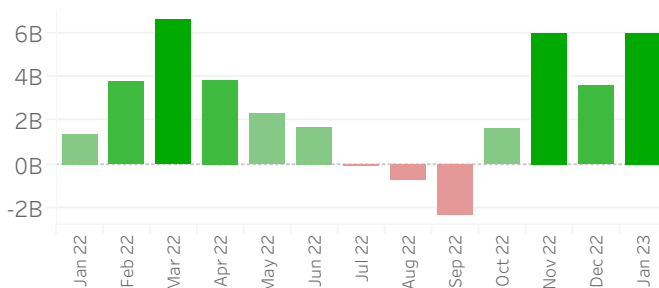
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	3.04%
PGJ	Invesco Golden Dragon China ETF	2.58%
FXI	iShares China Large-Cap ETF	2.49%
FLCH	Franklin FTSE China ETF	2.23%
MCHI	iShares MSCI China ETF	2.15%
ECNS	iShares MSCI China Small-Cap ETF	2.11%
GXC	SPDR S&P China ETF	2.07%
FRDM	Freedom 100 Emerging Markets ETF	2.00%
EWT	iShares MSCI Taiwan ETF	1.91%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.86%

Emerging Most Overbought

Ticker	Fund	Price
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	77.14
CNYA	iShares MSCI China A ETF	77.00
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	76.68
EPHE	iShares MSCI Philippines ETF	76.66
ADRE	Invesco BDRS Emerging Markets 50 ADR Index Fund	76.54
EWM	iShares MSCI Malaysia ETF	76.13
PXH	Invesco FTSE RAFI Emerging Markets ETF	75.29
DEM	WisdomTree Emerging Markets High Dividend Fund	75.25
JPEM	J.P. Morgan Diversified Return Emerging Markets Eq..	74.84
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets..	73.97

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FLBR	Franklin FTSE Brazil ETF	-1.37%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.20%
EWZ	iShares MSCI Brazil ETF	-1.15%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.29%
FLN	First Trust Latin America AlphaDEX Fund	-0.17%
SMIN	iShares MSCI India Small Cap ETF	-0.13%
FLLA	Franklin FTSE Latin America ETF	0.00%
PIN	Invesco India ETF	0.05%
ILF	iShares Latin America 40 ETF	0.20%
EPU	iShares MSCI Peru ETF	0.22%

Emerging Most Oversold

Ticker	Fund	Price
PIN	Invesco India ETF	39.72
QAT	iShares MSCI Qatar ETF	48.84
NFTY	First Trust India NIFTY 50 Equal Weight ETF	50.87
SMIN	iShares MSCI India Small Cap ETF	51.57
FLBR	Franklin FTSE Brazil ETF	52.95
EWZ	iShares MSCI Brazil ETF	53.13
EWZS	iShares MSCI Brazil Small-Cap ETF	54.74
FLIN	Franklin FTSE India ETF	55.55
KSA	iShares MSCI Saudi Arabia ETF	56.23
INDY	iShares India 50 ETF	56.76

*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	-0.41%	2.06%	3.20%
SHY	1-3 Year Treasury Bonds	-0.09%	0.55%	0.75%
IEF	7-10 Year Treasury Bonds	-0.66%	2.13%	3.54%
TLT	20+ Year Treasury Bonds	-1.62%	2.67%	6.67%
TIP	TIPS Bonds	-0.57%	1.37%	2.08%
FLOT	Floating Rate Bonds	0.07%	0.84%	0.42%
LQD	Investment Grade Corporate	-0.52%	3.62%	4.86%
HYG	High Yield Corporate	0.20%	2.89%	3.45%
BKLN	Senior Loan	-0.05%	2.52%	2.92%
PFF	Preferred & Income Securities	0.24%	6.26%	7.93%
MUB	Municipal Bonds	-0.22%	2.28%	2.32%
MBB	MBS	-0.31%	2.15%	3.31%
EMB	Dollar Denominated EM Bonds	-0.23%	4.15%	4.62%
LEMB	Local Currency EM Bond	0.45%	3.96%	3.60%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.18%	0.42%	-0.50%
DBE	Energy	1.15%	4.92%	0.75%
USO	WTI Crude Oil	1.36%	8.05%	2.05%
BNO	Brent Crude Oil	1.65%	9.23%	2.09%
UNG	Natural Gas	-2.38%	-38.23%	-27.23%
UGA	Gasoline	1.40%	18.74%	6.36%
DBP	Precious Metals	-0.16%	4.44%	4.25%
GLD	Gold	-0.33%	6.04%	5.69%
SLV	Silver	0.27%	-0.94%	0.00%
PPLT	abrdn Physical Platin..	0.33%	3.04%	-2.98%
PALL	abrdn Physical Palla..	-1.21%	0.05%	-2.68%
DBB	Base Metals	0.18%	11.57%	13.01%
CPER	Copper	0.62%	12.64%	12.30%
LD	Lead	-2.82%	-4.76%	-9.78%
JJN	Nickel	-2.84%	1.13%	-5.30%
JJU	Aluminum	0.20%	9.45%	8.47%
JJT	Tin	3.22%	24.40%	17.85%
DBA	Agriculture	0.26%	-2.07%	-3.67%
CORN	Corn	0.00%	1.88%	-1.63%
SOYB	Soybeans	-0.82%	0.11%	-2.81%
WEAT	Wheat	0.94%	-0.40%	-5.64%
CANE	Sugar	-0.16%	-2.53%	-1.00%
BAL	Cotton	3.85%	-0.49%	4.32%
NIB	Cocoa	0.27%	3.93%	-0.52%
JO	Coffee	-0.42%	-8.19%	-7.46%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.15%	-1.58%	-1.33%
UDN	Short Dollar	0.21%	2.17%	1.68%
FXE	Euro	0.26%	2.34%	1.44%
FXB	British Pound Sterling	0.05%	2.05%	2.82%
FXF	Swiss Franc	-0.53%	0.70%	0.43%
FXJ	Japanese Yen	-0.91%	1.58%	1.27%
FXC	Canadian Dollar	0.69%	1.92%	1.30%
FXA	Australian Dollar	0.71%	4.62%	2.34%

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