

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

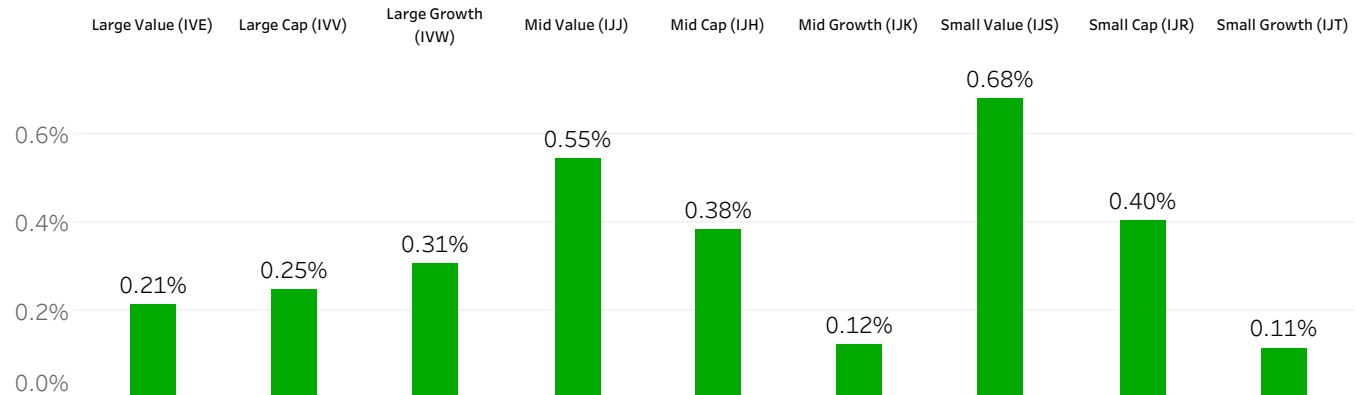


Small Cap Blend (S&P 600) IJR



■ 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
BUZZ	VanEck Social Sentiment ETF	3.84%
IPO	Renaissance IPO ETF	3.37%
AIEQ	AI Powered Equity ETF	2.01%
TMFS	Motley Fool Small-Cap Growth ETF	1.44%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	1.24%
WINN	Harbor Long-Term Growers ETF	1.21%
QQH	HCM Defender 100 Index ETF	1.11%
LCG	Sterling Capital Focus Equity ETF	1.09%
ISCG	iShares Morningstar Small-Cap Growth ETF	1.09%
VBK	Vanguard Small-Cap Growth ETF	1.04%

Size & Style Most Overbought

Ticker	Fund	Price
QQH	HCM Defender 100 Index ETF	76.09
RFV	Invesco S&P Midcap 400 Pure Value ETF	72.75
CGGR	Capital Group Growth ETF	72.48
LGH	HCM Defender 500 Index ETF	72.33
GVIP	Goldman Sachs Hedge Industry VIP ETF	72.13
BUZZ	VanEck Social Sentiment ETF	72.00
LSAT	Leadershares Alphafactor Tactical Focused ETF	71.73
RZV	Invesco S&P Smallcap 600 Pure Value ETF	71.46
SPHB	Invesco S&P 500 High Beta ETF	70.83
DUSA	Davis Select U.S. Equity ETF	70.67

Size & Style 1-Day Performance Laggards

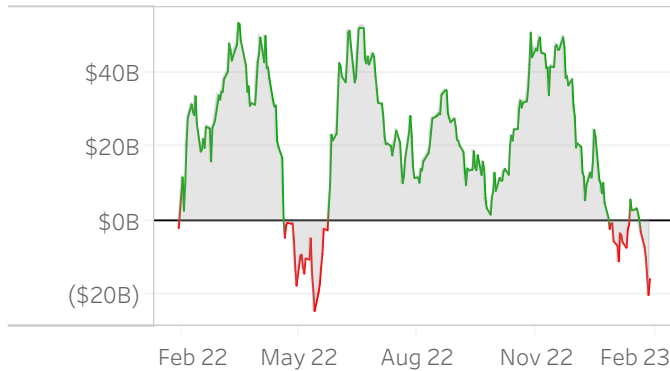
Ticker	Fund	1-Day Performance
MTUM	iShares MSCI USA Momentum Factor ETF	-1.18%
SPMO	Invesco S&P 500 Momentum ETF	-1.09%
QMOM	Momentumshares US Quantitative Momentum ETF	-0.91%
RPG	Invesco S&P 500 Pure Growth ETF	-0.80%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	-0.70%
AUSF	Global X Adaptive U.S. Factor ETF	-0.70%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-0.64%
HDV	iShares Core High Dividend ETF	-0.64%
FTCS	First Trust Capital Strength ETF	-0.62%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-0.61%

Size & Style Most Oversold

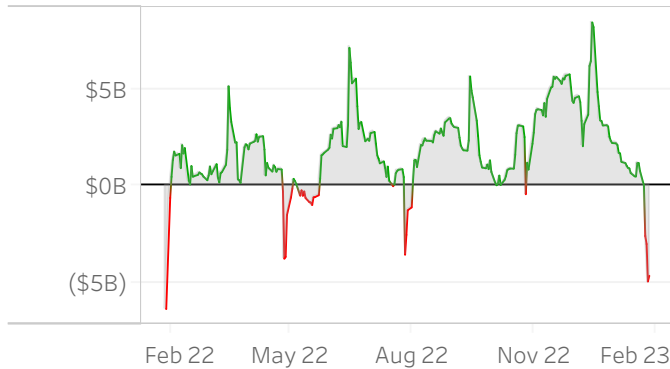
Ticker	Fund	Price
HUSV	First Trust Horizon Managed Volatility Domestic ETF	42.46
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	44.18
DURA	VanEck Durable High Dividend ETF	44.26
SPLV	Invesco S&P 500 Low Volatility ETF	44.42
ALTL	Pacer Lunt Large Cap Alternator ETF	44.74
FTCS	First Trust Capital Strength ETF	45.99
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	46.21
PTLC	Pacer Trendpilot US Large Cap ETF	46.90
AUSF	Global X Adaptive U.S. Factor ETF	47.40
MTUM	iShares MSCI USA Momentum Factor ETF	47.48

*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	\$1,251B	\$1.80B	(\$12.54B)	\$27.46B	\$75.94B
Large Cap, Beta, Beta: Growth	10	\$228B	(\$0.97B)	\$5.64B	\$10.55B	\$23.36B
Large Cap, Beta, Beta: Value	11	\$229B	(\$0.61B)	(\$2.32B)	\$1.61B	\$15.17B
Mid Cap, Beta, Beta	10	\$191B	\$0.06B	\$3.64B	\$6.74B	\$11.84B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.06B)	(\$0.16B)	\$0.49B	\$0.64B
Mid Cap, Beta, Beta: Value	6	\$43B	\$0.18B	(\$0.18B)	\$1.13B	\$1.05B
Small Cap, Beta, Beta	13	\$200B	\$0.57B	\$2.37B	\$5.56B	\$0.51B
Small Cap, Beta, Beta: Growth	7	\$33B	(\$0.11B)	\$0.38B	\$0.54B	\$1.72B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.05B)	\$1.02B	\$1.42B	(\$3.11B)

U.S. Size & Style Flow Leaders

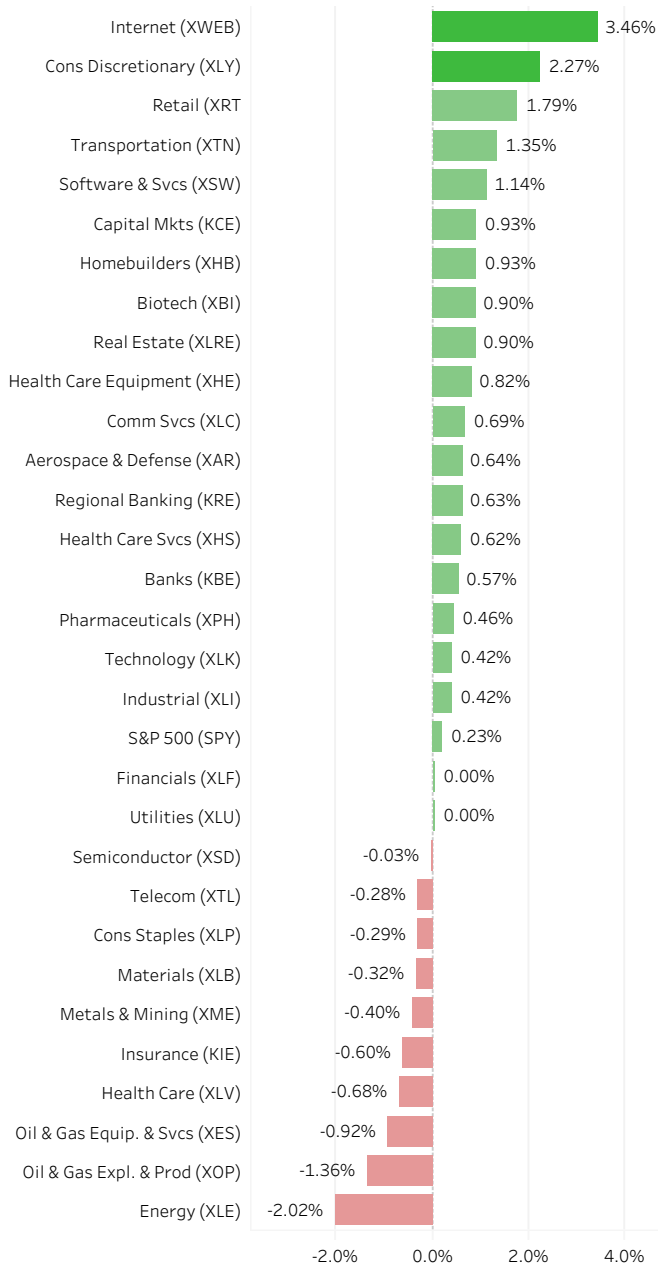
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	\$1.16B	(\$6.80B)	(\$6.87B)	\$3.29B	\$155.00B
SPHQ	Invesco S&P 500 Quality ETF	\$0.58B	\$0.74B	\$0.78B	\$1.06B	\$4.43B
IWM	iShares Russell 2000 ETF	\$0.55B	(\$0.63B)	\$0.74B	(\$4.00B)	\$54.55B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.46B	(\$0.31B)	\$0.48B	\$1.06B	\$29.88B
SPY	SPDR S&P 500 ETF Trust	\$0.36B	(\$4.48B)	\$12.16B	\$3.85B	\$379.70B
IVV	iShares Core S&P 500 ETF	\$0.34B	(\$2.92B)	\$4.85B	\$20.10B	\$305.78B
COWZ	Pacer US Cash Cows 100 ETF	\$0.33B	\$2.76B	\$4.73B	\$9.85B	\$12.20B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.28B	\$0.79B	\$1.35B	\$3.84B	\$15.72B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$0.26B	(\$0.11B)	\$0.09B	(\$0.46B)	\$8.22B
SCHD	Schwab US Dividend Equity ETF	\$0.24B	\$4.63B	\$8.47B	\$15.02B	\$46.50B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
DGRO	iShares Core Dividend Growth ETF	(\$1.09B)	(\$0.73B)	\$0.11B	\$2.26B	\$24.03B
IWF	iShares Russell 1000 Growth ETF	(\$0.84B)	(\$0.74B)	\$0.09B	\$1.95B	\$60.65B
IWD	iShares Russell 1000 Value ETF	(\$0.73B)	(\$2.13B)	(\$1.22B)	(\$1.84B)	\$53.92B
PKW	Invesco Buyback Achievers ETF	(\$0.45B)	(\$0.52B)	(\$0.26B)	(\$0.88B)	\$1.10B
VOO	Vanguard S&P 500 ETF	(\$0.37B)	\$0.39B	\$11.02B	\$36.20B	\$277.96B
IWV	iShares Russell 3000 ETF	(\$0.23B)	\$0.16B	\$0.26B	\$0.16B	\$11.01B
VIG	Vanguard Dividend Appreciation ETF	(\$0.21B)	\$0.13B	\$1.07B	\$3.21B	\$65.93B
IVW	iShares S&P 500 Growth ETF	(\$0.15B)	\$0.42B	\$0.54B	\$0.21B	\$29.29B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.11B)	\$0.45B	\$0.35B	\$0.05B	\$19.71B
IWO	iShares Russell 2000 Growth ETF	(\$0.10B)	\$0.04B	\$0.06B	\$0.68B	\$10.09B

* 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	-3.03%	36.27%	3.60%	11.29%	58.41
XLI	Industrial Select Sector SPDR Fund	-3.41%	22.09%	1.26%	7.60%	55.18
XLV	Health Care Select Sector SPDR Fund	-6.98%	10.82%	-2.31%	1.78%	40.98
XLB	Materials Select Sector SPDR Fund	-7.90%	23.89%	3.02%	6.82%	60.50
XLP	Consumer Staples Select Sector SPDR Fund	-9.57%	9.56%	-2.87%	-0.72%	40.62
XLF	Financial Select Sector SPDR Fund	-10.89%	19.68%	3.39%	7.61%	63.23
XLU	Utilities Select Sector SPDR Fund	-11.82%	11.98%	-2.44%	-2.68%	40.74
SPY	SPDR S&P 500 ETF Trust	-12.10%	13.78%	3.23%	3.25%	64.79
XLK	Technology Select Sector SPDR Fund	-16.39%	17.28%	5.45%	3.27%	67.58
XLRE	Real Estate Select Sector SPDR Fund	-20.26%	19.48%	5.34%	0.27%	66.83
XLC	Communication Services Select Sector SPDR Fund	-22.35%	21.76%	10.11%	3.45%	76.20
XLY	Consumer Discretionary Select Sector SPDR Fund	-22.78%	17.13%	7.94%	0.42%	72.49

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLY	Consumer Discretionary Select Sector SPDR Fund	2.27%
VCR	Vanguard Consumer Discretionary ETF	2.24%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	2.21%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	2.11%
FDN	First Trust Dow Jones Internet Index Fund	1.82%
REM	iShares Mortgage Real Estate ETF	1.80%
XRT	SPDR S&P Retail ETF	1.79%
MORT	VanEck Mortgage REIT Income ETF	1.74%
NURE	Nuveen Short-Term REIT ETF	1.60%
PPTY	US Diversified Real Estate ETF	1.58%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PNQI	Invesco NASDAQ Internet ETF	77.26
XLC	Communication Services Select Sector SPDR Fund	76.20
VOX	Vanguard Communication Services ETF	76.19
FCOM	Fidelity MSCI Communication Services Index ETF	75.83
XNTK	SPDR NYSE Technology ETF	74.47
KBWD	Invesco KBW High Dividend Yield Financial ETF	73.97
PEJ	Invesco Dynamic Leisure & Entertainment ETF	73.34
INDS	Pacer Industrial Real Estate ETF	73.32
IYC	iShares U.S. Consumer Discretionary ETF	72.77
XLY	Consumer Discretionary Select Sector SPDR Fund	72.49

Sector & Industry 1 Day Performance Laggards

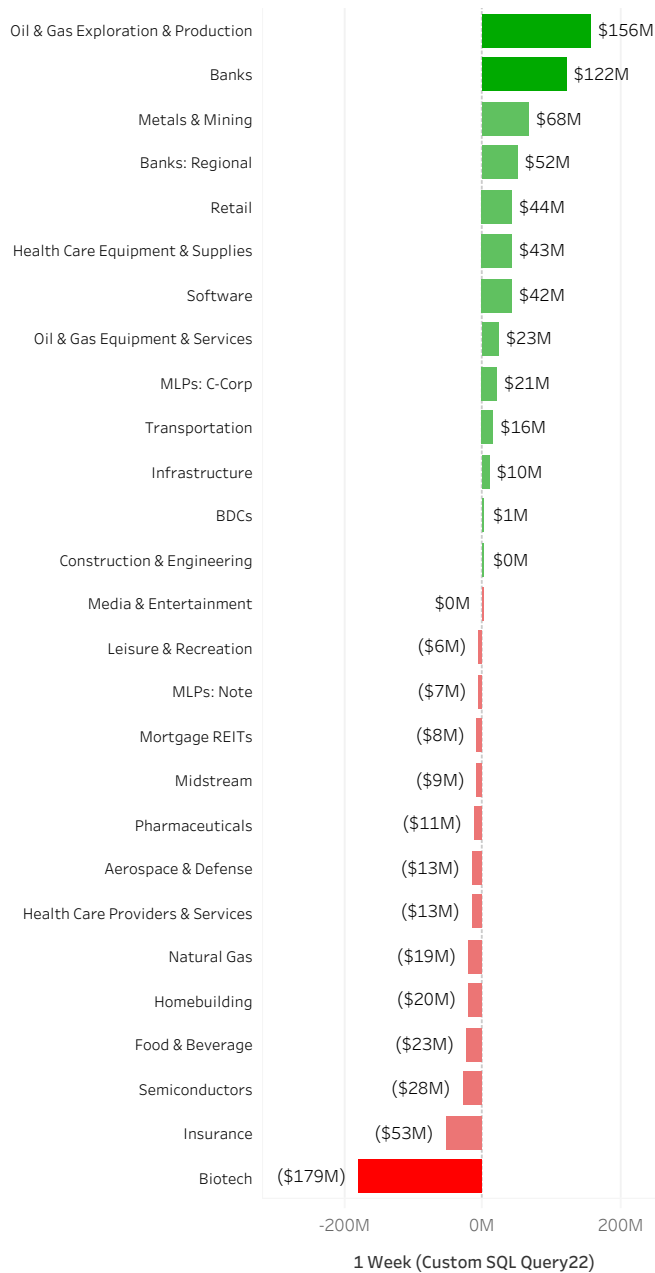
Ticker	Fund	1 Day Performance
FTXN	First Trust Nasdaq Oil & Gas ETF	-2.16%
XLE	Energy Select Sector SPDR Fund	-2.02%
VDE	Vanguard Energy ETF	-1.80%
IYE	iShares U.S. Energy ETF	-1.77%
FENY	Fidelity MSCI Energy Index ETF	-1.74%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-1.73%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-1.36%
FTXL	First Trust Nasdaq Semiconductor ETF	-1.32%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-1.26%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-1.23%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYK	iShares U.S. Consumer Staples ETF	36.41
FTXG	First Trust Nasdaq Food & Beverage ETF	39.79
XLP	Consumer Staples Select Sector SPDR Fund	40.62
XLU	Utilities Select Sector SPDR Fund	40.74
IDU	iShares U.S. Utilities ETF	40.91
XLV	Health Care Select Sector SPDR Fund	40.98
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	41.04
PBJ	Invesco Dynamic Food & Beverage ETF	41.65
FUTY	Fidelity MSCI Utilities Index ETF	41.75
VPU	Vanguard Utilities ETF	41.84

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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	\$181M	\$95M	(\$31M)	(\$606M)
Consumer Discretionary	12	\$21B	\$19M	(\$728M)	(\$73M)	(\$4,844M)
Consumer Staples	10	\$30B	(\$239M)	\$1,860M	\$2,735M	\$5,937M
Energy	32	\$85B	\$704M	(\$706M)	\$346M	(\$3,161M)
Financials	26	\$61B	\$262M	(\$1,716M)	\$185M	(\$18,179M)
Health Care	23	\$96B	(\$410M)	\$1,254M	\$1,032M	\$8,668M
Industrial	13	\$31B	(\$38M)	\$1,228M	\$1,108M	(\$1,692M)
Materials	9	\$15B	\$18M	\$583M	(\$492M)	(\$969M)
Multi-Sector	19	\$14B	(\$20M)	(\$585M)	(\$1,793M)	(\$6,420M)
Real Estate	25	\$63B	(\$73M)	(\$61M)	(\$880M)	(\$5,918M)
Technology	23	\$121B	\$208M	(\$1,277M)	\$217M	\$244M
Utilities	9	\$26B	\$65M	(\$120M)	\$680M	\$4,539M

U.S. Sector & Industry Flow Leaders

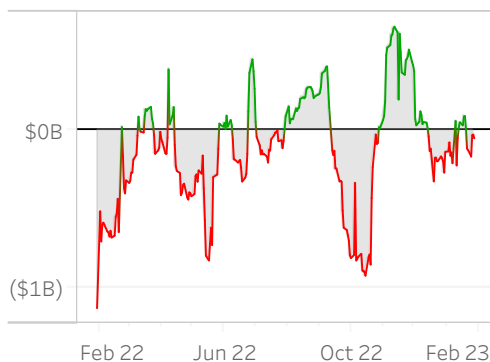
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$508M	(\$155M)	\$222M	(\$2,687M)	\$44,227M
VGT	Vanguard Information Technology ETF	\$199M	\$141M	(\$761M)	\$605M	\$42,662M
XLF	Financial Select Sector SPDR Fund	\$178M	(\$367M)	\$881M	(\$10,117M)	\$33,116M
XLC	Communication Services Select Sector SPDR Fu..	\$173M	\$37M	(\$146M)	(\$455M)	\$9,309M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$166M	(\$455M)	(\$286M)	(\$1,167M)	\$4,524M
KBWB	Invesco KBW Bank ETF	\$114M	(\$236M)	\$73M	(\$971M)	\$1,920M
XLU	Utilities Select Sector SPDR Fund	\$79M	(\$167M)	\$376M	\$2,887M	\$15,824M
XME	SPDR S&P Metals & Mining ETF	\$68M	\$389M	\$263M	\$162M	\$2,637M
IBB	iShares Biotechnology ETF	\$62M	\$552M	\$276M	\$44M	\$9,105M
RYT	Invesco S&P 500 Equal Weight Technology ETF	\$61M	\$164M	\$183M	(\$435M)	\$2,332M

U.S. Sector & Industry Flow Laggards

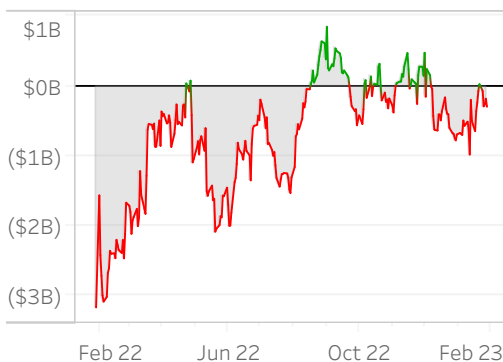
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	(\$282M)	\$688M	\$670M	\$6,497M	\$41,003M
XBI	SPDR S&P BIOTECH ETF	(\$241M)	\$271M	(\$42M)	\$1,704M	\$8,220M
XLP	Consumer Staples Select Sector SPDR Fund	(\$193M)	\$1,210M	\$1,867M	\$2,584M	\$16,968M
XLB	Materials Select Sector SPDR Fund	(\$75M)	\$273M	(\$298M)	(\$1,472M)	\$6,177M
KIE	SPDR S&P Insurance ETF	(\$62M)	\$27M	(\$63M)	\$33M	\$517M
SOXX	iShares Semiconductor ETF	(\$61M)	(\$22M)	(\$269M)	(\$373M)	\$6,927M
XLK	Technology Select Sector SPDR Fund	(\$47M)	(\$360M)	(\$51M)	\$814M	\$40,794M
XLI	Industrial Select Sector SPDR Fund	(\$46M)	\$266M	\$275M	(\$2,733M)	\$13,970M
XLRE	Real Estate Select Sector SPDR Fund	(\$44M)	\$26M	\$166M	\$416M	\$5,253M
PPA	Invesco Aerospace & Defense ETF	(\$39M)	\$54M	\$167M	\$969M	\$1,716M

* 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



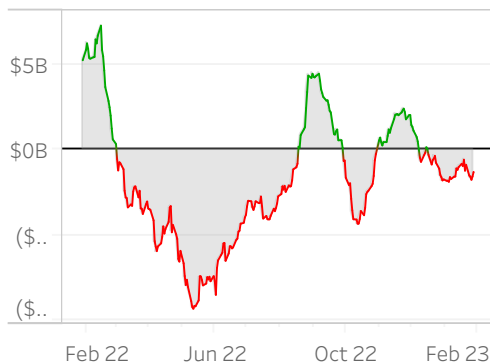
Consumer Staples



Energy



Financials



Industrial



Health Care



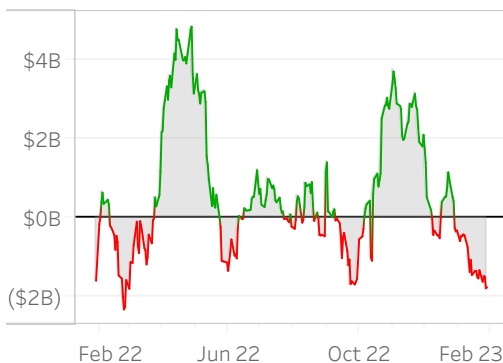
Materials



Real Estate



Technology



Utilities

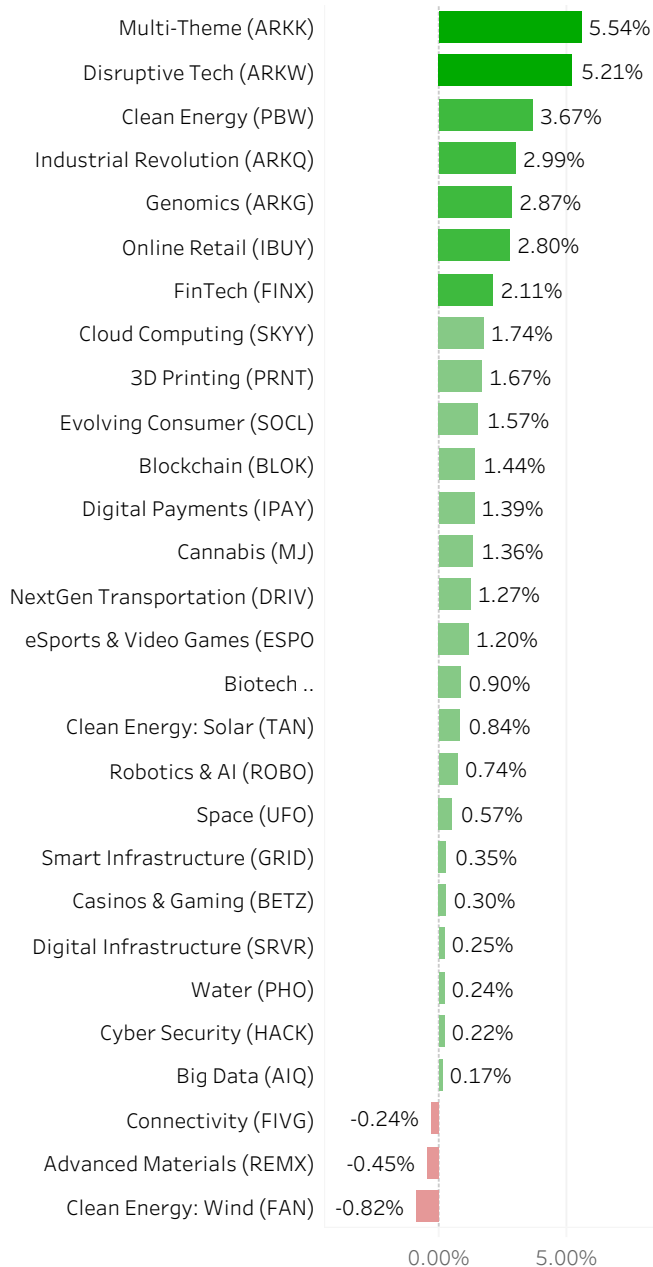


Multi-Sector

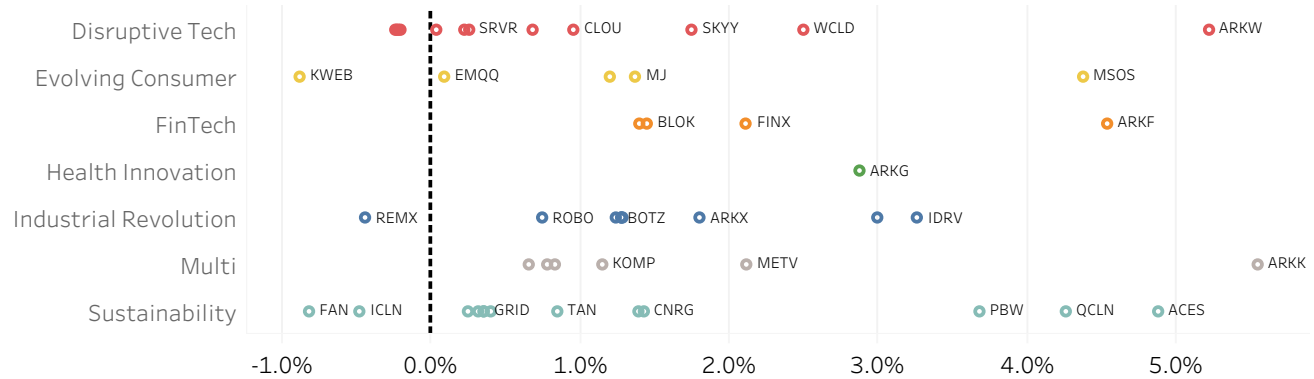


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
ARKK	ARK Innovation ETF	5.54%
ARKW	ARK Next Generation Internet ETF	5.21%
ACES	ALPS Clean Energy ETF	4.87%
ARKF	ARK Fintech Innovation ETF	4.53%
MSOS	AdvisorShares Pure US Cannabis ETF	4.37%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	4.25%
BKCH	Global X Blockchain ETF	4.08%
PBW	Invesco WilderHill Clean Energy ETF	3.67%
BITQ	Bitwise Crypto Industry Innovators ETF	3.48%
IDRV	iShares Self-driving EV & Tech ETF	3.25%

Thematic Most Overbought

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	86.04
EBIZ	Global X E-Commerce ETF	79.03
LIT	Global X Lithium & Battery Tech ETF	77.87
SOCL	Global X Social Media ETF	77.02
GAMR	Wedbush ETFMG Video Game Tech ETF	76.02
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	75.64
BATT	Amplify Lithium & Battery Technology ETF	75.29
ONLN	ProShares Online Retail ETF	74.70
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	74.27
BOTZ	Global X Robotics & Artificial Intelligence ETF	74.24

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
KWEB	KraneShares CSI China Internet ETF	-0.89%
FAN	First Trust Global Wind Energy ETF	-0.82%
BJK	VanEck Gaming ETF	-0.52%
ICLN	iShares Global Clean Energy ETF	-0.48%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.45%
SAMT	Strategas Macro Thematic Opportunities ETF	-0.43%
GDOC	Goldman Sachs Future Health Care Equity ETF	-0.43%
FIVG	Defiance Next Gen Connectivity ETF	-0.24%
IHAK	iShares Cybersecurity & Tech ETF	-0.23%
CIBR	First Trust NASDAQ Cybersecurity ETF	-0.22%

Thematic Most Oversold

Ticker	Fund	Price
MJUS	ETFMG U.S. Alternative Harvest ETF	29.57
MSOS	AdvisorShares Pure US Cannabis ETF	36.12
YOLO	AdvisorShares Pure Cannabis ETF	36.23
MJ	ETFMG Alternative Harvest ETF	46.61
SAMT	Strategas Macro Thematic Opportunities ETF	47.00
ICLN	iShares Global Clean Energy ETF	49.68
RNRG	Global X Renewable Energy Producers ETF	51.37
FAN	First Trust Global Wind Energy ETF	53.66
GDOC	Goldman Sachs Future Health Care Equity ETF	53.93
TAN	Invesco Solar ETF	54.55

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$65M
ARKK	ARK Innovation ETF	\$32M
ROBO	ROBO Global Robotics & Automation Index ETF	\$10M
TMAT	Main Thematic Innovation ETF	\$10M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$9M
XT	iShares Exponential Technologies ETF	\$8M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$6M
WCLD	WisdomTree Cloud Computing Fund	\$6M
IBUY	Amplify Online Retail ETF	\$5M

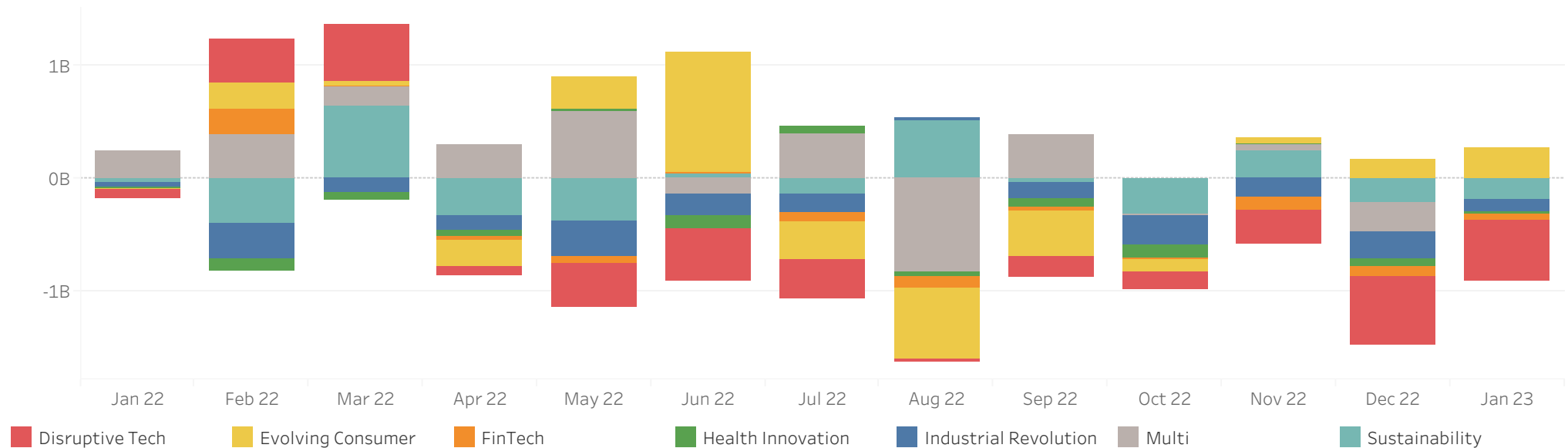
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$60M)
LIT	Global X Lithium & Battery Tech ETF	(\$25M)
SKYY	First Trust Cloud Computing ETF	(\$22M)
ICLN	iShares Global Clean Energy ETF	(\$19M)
ARKG	ARK Genomic Revolution ETF	(\$18M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$16M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$13M)
XPND	First Trust Expanded Technology ETF	(\$11M)
BUG	Global X Cybersecurity ETF	(\$10M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$10M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$108M)	(\$1,455M)	(\$1,792M)	(\$2,247M)
Evolving Consumer	46	\$12B	\$58M	\$479M	(\$664M)	\$366M
FinTech	20	\$3B	(\$12M)	(\$254M)	(\$409M)	(\$331M)
Health Innovation	19	\$3B	\$2M	(\$77M)	(\$306M)	(\$569M)
Industrial Revolution	31	\$11B	\$15M	(\$541M)	(\$890M)	(\$2,193M)
Multi	41	\$14B	(\$133M)	(\$198M)	(\$680M)	\$1,246M
Sustainability	40	\$18B	(\$37M)	(\$177M)	(\$15M)	(\$621M)
Grand Total	232	\$77B	(\$215M)	(\$2,223M)	(\$4,755M)	(\$4,349M)

Thematic Monthly Flows

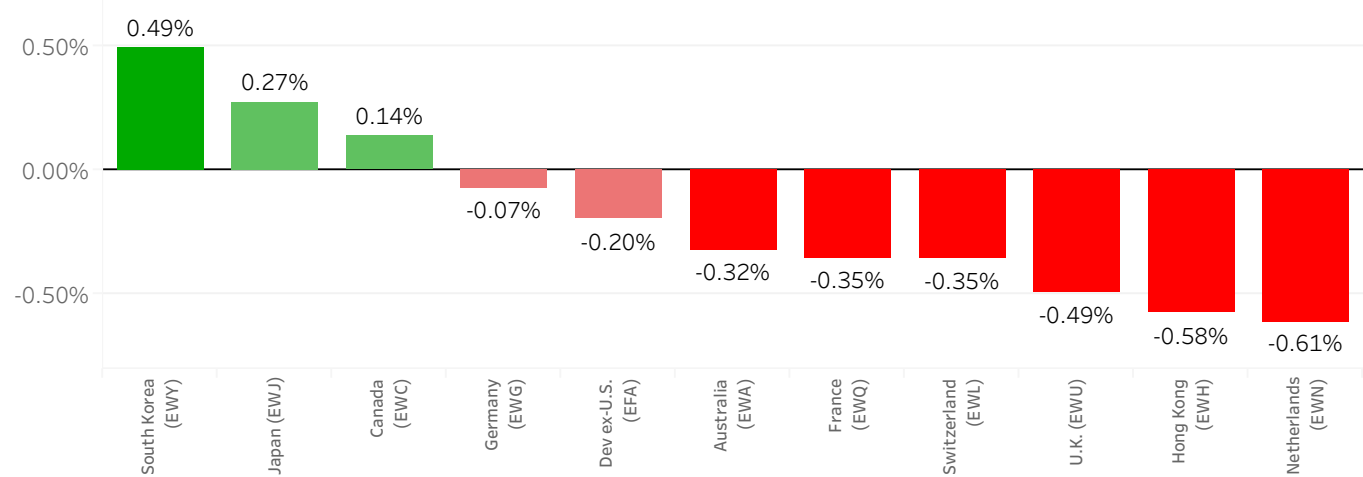


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Developed ex-U.S. (EFA)



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



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



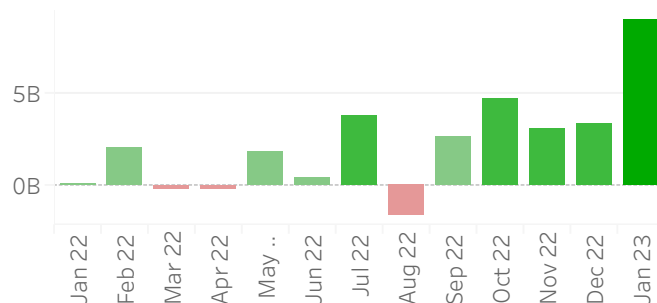
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FLKR	Franklin FTSE South Korea ETF	0.64%
ISRA	VanEck Israel ETF	0.52%
EWJV	iShares MSCI Japan Value ETF	0.50%
EWY	iShares MSCI South Korea ETF	0.49%
WPS	iShares International Developed Property ETF	0.49%
GREK	Global X MSCI Greece ETF	0.47%
FEP	First Trust Europe AlphaDEX Fund	0.37%
DFE	WisdomTree Europe SmallCap Dividend Fund	0.36%
IEUS	iShares MSCI Europe Small-Cap ETF	0.35%
NORW	Global X MSCI Norway ETF	0.29%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
IMFL	Invesco International Developed Dynamic Multifactor ETF	82.38
DISV	Dimensional International Small Cap Value ETF	80.52
FYLD	Cambria Foreign Shareholder Yield ETF	79.27
FEP	First Trust Europe AlphaDEX Fund	79.24
DIM	WisdomTree International MidCap Dividend Fund	78.62
AIA	iShares Asia 50 ETF	78.38
ISVL	iShares International Developed Small Cap Value Factor E..	78.28
IPAC	iShares Core MSCI Pacific ETF	78.25
IVLU	iShares MSCI Intl Value Factor ETF	77.96
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	77.91

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
IDV	iShares International Select Dividend ETF	-0.75%
EWP	iShares MSCI Spain ETF	-0.74%
EIS	iShares MSCI Israel ETF	-0.61%
EWN	iShares MSCI Netherlands ETF	-0.61%
BKCI	BNY Mellon Concentrated International ETF	-0.61%
EWH	iShares MSCI Hong Kong ETF	-0.58%
ENZL	iShares MSCI New Zealand ETF	-0.57%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.57%
FEZ	SPDR EURO STOXX 50 ETF	-0.55%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-0.50%

Developed ex-U.S. Most Oversold

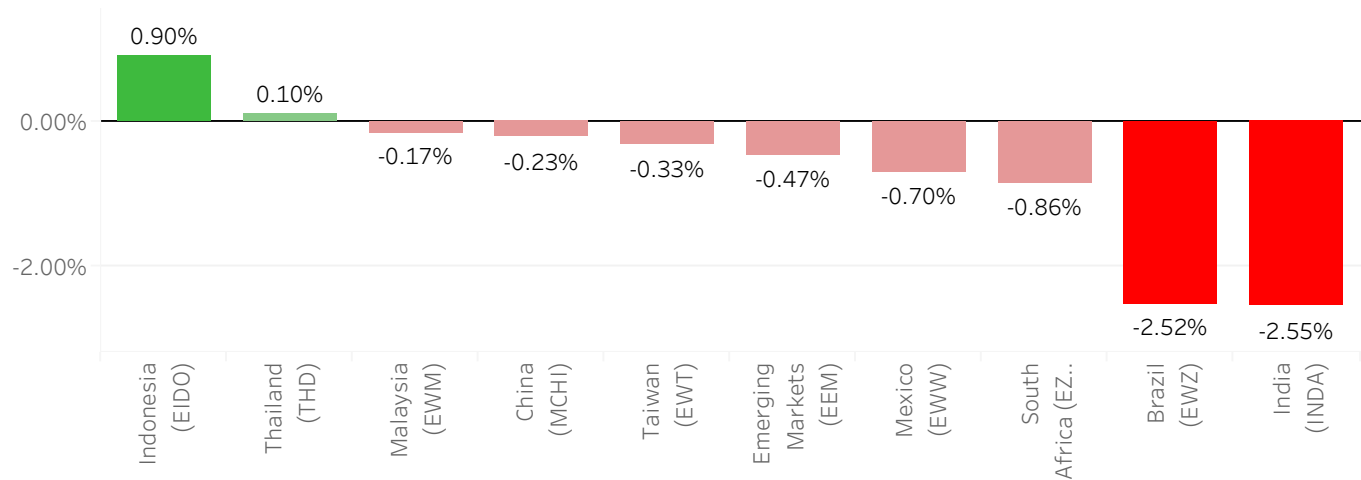
Ticker	Fund	Price
EIS	iShares MSCI Israel ETF	47.08
NORW	Global X MSCI Norway ETF	52.51
EDEN	iShares MSCI Denmark ETF	53.44
ISRA	VanEck Israel ETF	54.67
HEWJ	iShares Currency Hedged MSCI Japan ETF	55.97
IMOM	Alpha Architect International Quantitative Moment..	56.84
IHDG	WisdomTree International Hedged Quality Dividend ..	59.89
HEFA	iShares Currency Hedged MSCI EAFE ETF	60.40
IVAL	Alpha Architect International Quantitative Value ETF	60.81
EWD	iShares MSCI Sweden ETF	60.86

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

Emerging (EEM)



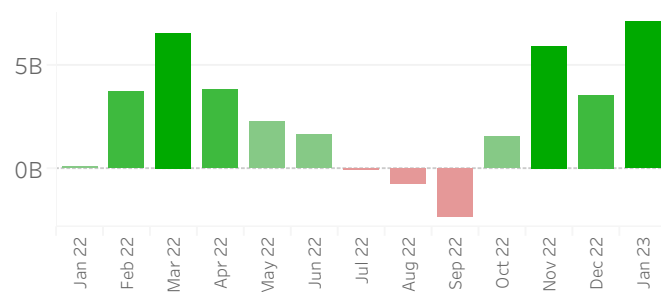
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIDO	iShares MSCI Indonesia ETF	0.90%
TUR	iShares MSCI Turkey ETF	0.46%
QAT	iShares MSCI Qatar ETF	0.42%
EYLD	Cambria Emerging Shareholder Yield ETF	0.27%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.21%
FLCH	Franklin FTSE China ETF	0.18%
THD	iShares MSCI Thailand ETF	0.10%
EEMA	iShares MSCI Emerging Markets Asia ETF	0.08%
KSA	iShares MSCI Saudi Arabia ETF	0.05%
CNYA	iShares MSCI China A ETF	-0.03%

Emerging Most Overbought

Ticker	Fund	Price
CNYA	iShares MSCI China A ETF	80.96
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	78.91
EEMA	iShares MSCI Emerging Markets Asia ETF	75.86
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	75.64
JEMA	JPMorgan ActiveBuilders Emerging Markets Equity E..	75.43
FLCH	Franklin FTSE China ETF	74.98
DEHP	Dimensional Emerging Markets High Profitability ETF	74.71
DEM	WisdomTree Emerging Markets High Dividend Fund	74.20
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	74.17
FLTW	Franklin FTSE Taiwan ETF	73.73

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
INDA	iShares MSCI India ETF	-2.55%
EWZ	iShares MSCI Brazil ETF	-2.52%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.46%
FLBR	Franklin FTSE Brazil ETF	-2.45%
FLIN	Franklin FTSE India ETF	-2.24%
INDY	iShares India 50 ETF	-1.93%
ILF	iShares Latin America 40 ETF	-1.86%
FLN	First Trust Latin America AlphaDEX Fund	-1.74%
FLLA	Franklin FTSE Latin America ETF	-1.73%
EPI	WisdomTree India Earnings Fund	-1.72%

Emerging Most Oversold

Ticker	Fund	Price
PIN	Invesco India ETF	28.65
INDA	iShares MSCI India ETF	30.55
SMIN	iShares MSCI India Small Cap ETF	33.09
FLIN	Franklin FTSE India ETF	33.41
INDY	iShares India 50 ETF	34.75
NFTY	First Trust India NIFTY 50 Equal Weight ETF	39.70
EPI	WisdomTree India Earnings Fund	40.25
GLIN	VanEck India Growth Leaders ETF	45.94
TUR	iShares MSCI Turkey ETF	49.66
QAT	iShares MSCI Qatar ETF	53.86

*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	-0.15%	2.90%	3.19%
SHY	1-3 Year Treasury Bonds	0.00%	0.64%	0.69%
IEF	7-10 Year Treasury Bonds	-0.15%	3.21%	3.38%
TLT	20+ Year Treasury Bonds	-0.25%	6.56%	7.18%
TIP	TIPS Bonds	-0.22%	2.54%	2.54%
FLOT	Floating Rate Bonds	0.20%	0.92%	0.72%
LQD	Investment Grade Corporate	-0.29%	4.56%	4.81%
HYG	High Yield Corporate	-0.30%	3.45%	3.44%
BKLN	Senior Loan	-0.09%	2.43%	3.18%
PFF	Preferred & Income Securities	0.12%	9.26%	9.37%
MUB	Municipal Bonds	-0.21%	2.46%	2.32%
MBB	MBS	0.03%	3.12%	3.47%
EMB	Dollar Denominated EM Bonds	-0.19%	4.65%	4.75%
LEMB	Local Currency EM Bond	-0.44%	4.16%	3.77%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.71%	-1.76%	-0.77%
DBE	Energy	-1.82%	-2.68%	-2.43%
USO	WTI Crude Oil	-2.02%	-0.04%	-0.87%
BNO	Brent Crude Oil	-1.43%	1.47%	0.14%
UNG	Natural Gas	1.98%	-39.14%	-30.43%
UGA	Gasoline	-1.33%	8.40%	3.72%
DBP	Precious Metals	-0.51%	4.15%	3.85%
GLD	Gold	-0.14%	6.25%	5.65%
SLV	Silver	-1.41%	-1.94%	-1.54%
PPLT	abrdn Physical Platin..	-0.66%	-1.26%	-5.47%
PALL	abrdn Physical Palla..	-3.29%	-12.05%	-9.35%
DBB	Base Metals	-1.21%	10.75%	13.37%
CPER	Copper	-1.31%	11.29%	10.96%
LD	Lead	-0.80%	-4.78%	-5.25%
JJN	Nickel	-2.23%	-6.45%	-3.62%
JJU	Aluminum	-1.35%	6.95%	9.05%
JJT	Tin	-5.46%	26.49%	22.89%
DBA	Agriculture	0.20%	-1.19%	-1.39%
CORN	Corn	-0.15%	-0.30%	-1.45%
SOYB	Soybeans	-0.25%	-0.25%	-2.35%
WEAT	Wheat	-0.26%	-2.94%	-4.89%
CANE	Sugar	1.71%	4.17%	4.70%
BAL	Cotton	-0.46%	3.63%	4.76%
NIB	Cocoa	0.25%	-0.10%	1.87%
JO	Coffee	1.15%	1.71%	1.26%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.15%	-1.79%	-1.22%
UDN	Short Dollar	-0.08%	2.28%	1.68%
FXE	Euro	-0.26%	2.15%	1.52%
FXB	British Pound Sterling	-0.10%	3.27%	2.84%
FXF	Swiss Franc	-0.09%	0.87%	0.30%
FXJ	Japanese Yen	0.28%	2.74%	0.93%
FXC	Canadian Dollar	0.09%	1.71%	1.84%
FXA	Australian Dollar	-0.16%	5.75%	4.45%

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

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