

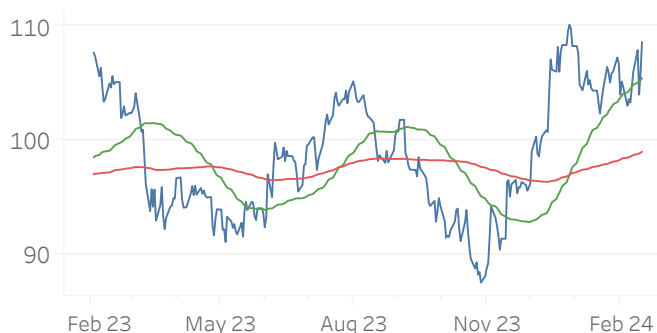
Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

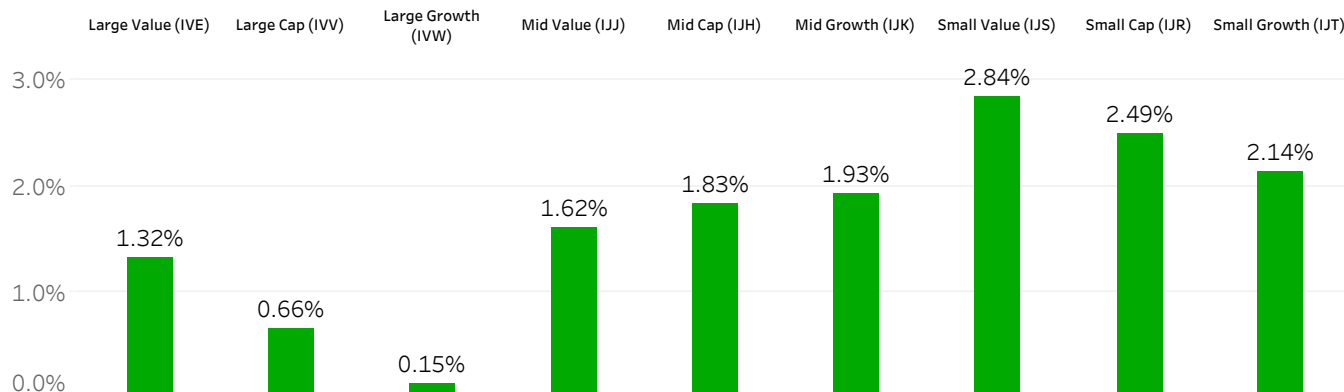


Small Cap Blend (S&P 600) IJR



■ 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
XMMO	Invesco S&P MidCap Momentum ETF	3.18%
DES	WisdomTree U.S. SmallCap Dividend Fund	3.15%
SLYV	SPDR S&P 600 Small Cap Value ETF	3.00%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	2.99%
GRPM	Invesco S&P MidCap 400 GARP ETF	2.91%
FDM	First Trust Dow Jones Select MicroCap Index Fund	2.89%
EES	WisdomTree U.S. SmallCap Fund	2.88%
SVAL	iShares US Small Cap Value Factor ETF	2.85%
IJS	iShares S&P Small-Cap 600 Value ETF	2.84%
CSB	VictoryShares US Small Cap High Dividend Volatility Wt..	2.81%

Size & Style Most Overbought

Ticker	Fund	Value
XMMO	Invesco S&P MidCap Momentum ETF	80.66
SPMO	Invesco S&P 500 Momentum ETF	79.22
XMHQ	Invesco S&P MidCap Quality ETF	78.77
GRPM	Invesco S&P MidCap 400 GARP ETF	75.28
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	74.78
MBCC	Monarch Blue Chips Core ETF	74.49
RFG	Invesco S&P Midcap 400 Pure Growth ETF	74.40
JMOM	JPMorgan U.S. Momentum Factor ETF	73.68
MTUM	iShares MSCI USA Momentum Factor ETF	73.50
GVIP	Goldman Sachs Hedge Industry VIP ETF	73.21

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
DRUP	GraniteShares Nasdaq Select Disruptors ETF	-0.05%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
WINN	Harbor Long-Term Growers ETF	0.00%
NUMG	Nuveen ESG Mid-Cap Growth ETF	0.05%
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	0.10%
IWY	iShares Russell Top 200 Growth ETF	0.11%
TMFC	Motley Fool 100 Index ETF	0.12%
VOOG	Vanguard S&P 500 Growth ETF	0.14%
SPYG	SPDR Portfolio S&P 500 Growth ETF	0.14%
IVW	iShares S&P 500 Growth ETF	0.15%

Size & Style Most Oversold

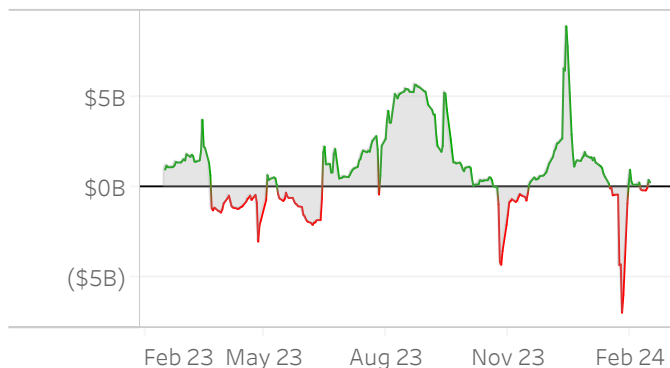
Ticker	Fund	Value
PEY	Invesco High Yield Equity Dividend Achievers ETF	45.31
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	46.20
DURA	VanEck Durable High Dividend ETF	48.02
DIV	Global X SuperDividend US ETF	48.98
SPC	CrossingBridge Pre-Merger SPAC ETF	50.47
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	51.66
ACSI	American Customer Satisfaction ETF	52.18
ALTL	Pacer Lunt Large Cap Alternator ETF	52.26
SPDV	AAM S&P 500 High Dividend Value ETF	52.61
RFV	Invesco S&P Midcap 400 Pure Value ETF	52.67

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

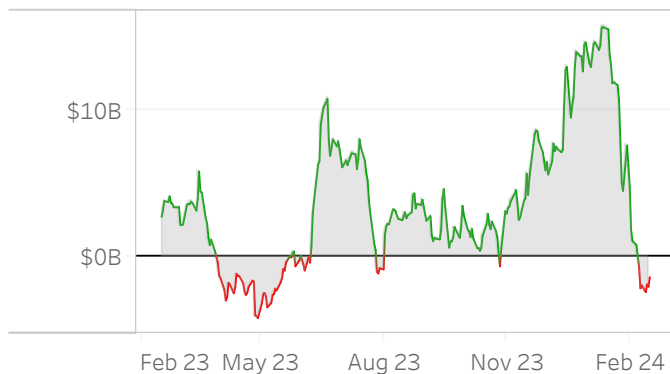
Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta, Beta	26	\$1,773B	\$1.63B	\$69.29B	\$118.11B	\$172.24B
Large Cap, Beta, Beta: Growth	10	\$346B	\$0.34B	\$3.70B	\$15.69B	\$20.00B
Large Cap, Beta, Beta: Value	11	\$246B	\$0.30B	\$5.84B	\$7.61B	(\$0.36B)
Mid Cap, Beta, Beta	10	\$214B	\$1.16B	\$1.42B	\$2.74B	\$7.38B
Mid Cap, Beta, Beta: Growth	6	\$41B	(\$0.05B)	\$0.23B	\$0.37B	\$1.40B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.63B)	(\$0.99B)	(\$2.14B)	(\$3.73B)
Small Cap, Beta, Beta	11	\$227B	\$1.08B	\$6.81B	\$9.84B	\$15.08B
Small Cap, Beta, Beta: Growth	7	\$38B	\$0.36B	\$1.24B	\$1.92B	\$2.04B
Small Cap, Beta, Beta: Value	7	\$52B	\$0.32B	\$0.36B	(\$0.15B)	(\$1.95B)

U.S. Size & Style Flow Leaders

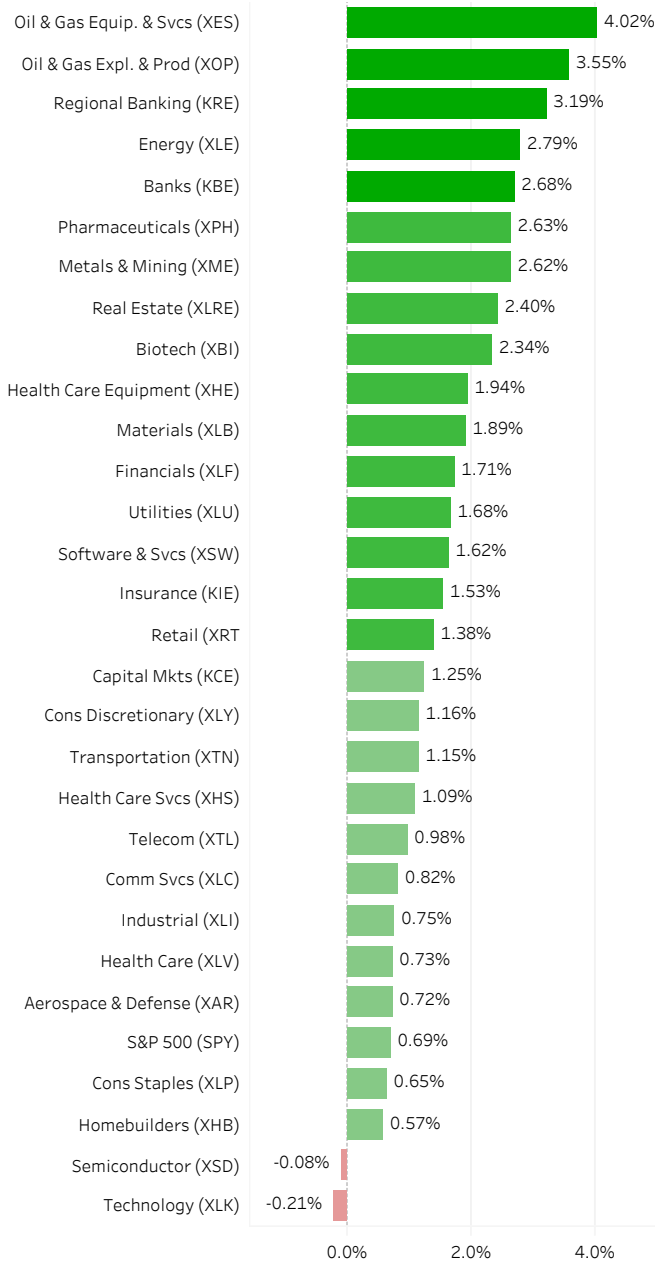
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPLG	SPDR Portfolio S&P 500 ETF	\$2.10B	\$6.12B	\$8.49B	\$10.46B	\$31.13B
VOO	Vanguard S&P 500 ETF	\$1.24B	\$18.68B	\$29.54B	\$54.14B	\$404.97B
VB	Vanguard Small-Cap ETF	\$0.75B	\$2.68B	\$3.12B	\$3.91B	\$52.43B
SPY	SPDR S&P 500 ETF Trust	\$0.64B	\$16.03B	\$20.26B	\$26.64B	\$488.76B
SPMD	SPDR Portfolio S&P 400 Mid Cap ETF	\$0.60B	\$1.08B	\$1.43B	\$2.13B	\$8.86B
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	\$0.53B	\$1.07B	\$1.34B	\$4.50B	\$10.12B
SCHA	Schwab U.S. Small-Cap ETF	\$0.51B	\$0.65B	\$0.82B	\$0.76B	\$16.17B
FDVV	Fidelity High Dividend ETF	\$0.49B	\$0.73B	\$0.88B	\$0.81B	\$2.72B
IJH	iShares Core S&P Mid-Cap ETF	\$0.44B	(\$0.56B)	(\$0.45B)	\$3.87B	\$77.94B
SEIM	SEI Enhanced U.S. Large Cap Momentum Fact..	\$0.39B	\$0.39B	\$0.40B	\$0.40B	\$0.43B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$2.02B)	\$2.66B	\$11.64B	\$15.35B	\$248.56B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$1.10B)	(\$5.37B)	(\$5.79B)	(\$6.91B)	\$25.13B
VTI	Vanguard Total Stock Market ETF	(\$0.84B)	\$8.56B	\$14.44B	\$23.09B	\$367.62B
IWM	iShares Russell 2000 ETF	(\$0.82B)	(\$0.21B)	\$1.61B	\$1.44B	\$59.75B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.76B)	\$3.38B	\$2.71B	\$9.63B	\$48.66B
SCHX	Schwab U.S. Large-Cap ETF	(\$0.64B)	(\$0.27B)	\$0.23B	(\$0.34B)	\$38.09B
VOE	Vanguard Mid-Cap Value ETF	(\$0.62B)	(\$0.87B)	(\$1.17B)	(\$1.50B)	\$15.46B
VTV	Vanguard Value ETF	(\$0.20B)	\$0.79B	\$0.04B	(\$3.18B)	\$107.74B
IWF	iShares Russell 1000 Growth ETF	(\$0.16B)	(\$0.53B)	\$2.56B	\$1.51B	\$86.70B
IVW	iShares S&P 500 Growth ETF	(\$0.16B)	(\$2.03B)	(\$2.26B)	(\$0.49B)	\$37.84B

* 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)
SPY	SPDR S&P 500 ETF Trust	0.00%	30.27%	4.55%	11.87%	66.96
XLC	Communication Services Select Sector SPDR Fund	0.00%	53.46%	7.57%	17.45%	67.12
XLF	Financial Select Sector SPDR Fund	0.00%	28.37%	4.79%	14.05%	68.35
XLI	Industrial Select Sector SPDR Fund	0.00%	23.12%	4.76%	11.39%	69.98
XLV	Health Care Select Sector SPDR Fund	0.00%	17.87%	4.51%	9.22%	71.29
XLY	Consumer Discretionary Select Sector SPDR Fund	-0.73%	30.31%	2.22%	7.72%	59.54
XLK	Technology Select Sector SPDR Fund	-1.63%	50.86%	4.57%	15.50%	59.03
XLB	Materials Select Sector SPDR Fund	-1.73%	13.78%	1.22%	4.46%	58.61
XLRE	Real Estate Select Sector SPDR Fund	-4.32%	20.38%	-0.70%	4.95%	52.91
XLP	Consumer Staples Select Sector SPDR Fund	-5.59%	10.50%	1.17%	1.58%	52.36
XLE	Energy Select Sector SPDR Fund	-8.29%	11.79%	2.68%	1.16%	60.76
XLU	Utilities Select Sector SPDR Fund	-12.39%	9.09%	-1.84%	-3.06%	49.80

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	4.21%
FCG	First Trust Natural Gas ETF	4.12%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	4.02%
MORT	VanEck Mortgage REIT Income ETF	3.81%
PXJ	Invesco Oil & Gas Services ETF	3.59%
PYZ	Invesco Dorsey Wright Basic Materials Momentu..	3.58%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	3.55%
REM	iShares Mortgage Real Estate ETF	3.54%
QABA	First Trust NASDAQ ABA Community Bank Index F..	3.53%
KBWR	Invesco KBW Regional Banking ETF	3.37%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	78.51
IHE	iShares U.S. Pharmaceuticals ETF	75.51
IAK	iShares U.S. Insurance ETF	75.43
PPA	Invesco Aerospace & Defense ETF	72.40
IYH	iShares U.S. Healthcare ETF	71.94
PINK	Simplify Health Care ETF	71.81
KIE	SPDR S&P Insurance ETF	71.58
XLV	Health Care Select Sector SPDR Fund	71.29
VHT	Vanguard Health Care ETF	71.27
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	70.66

Sector & Industry 1 Day Performance Laggards

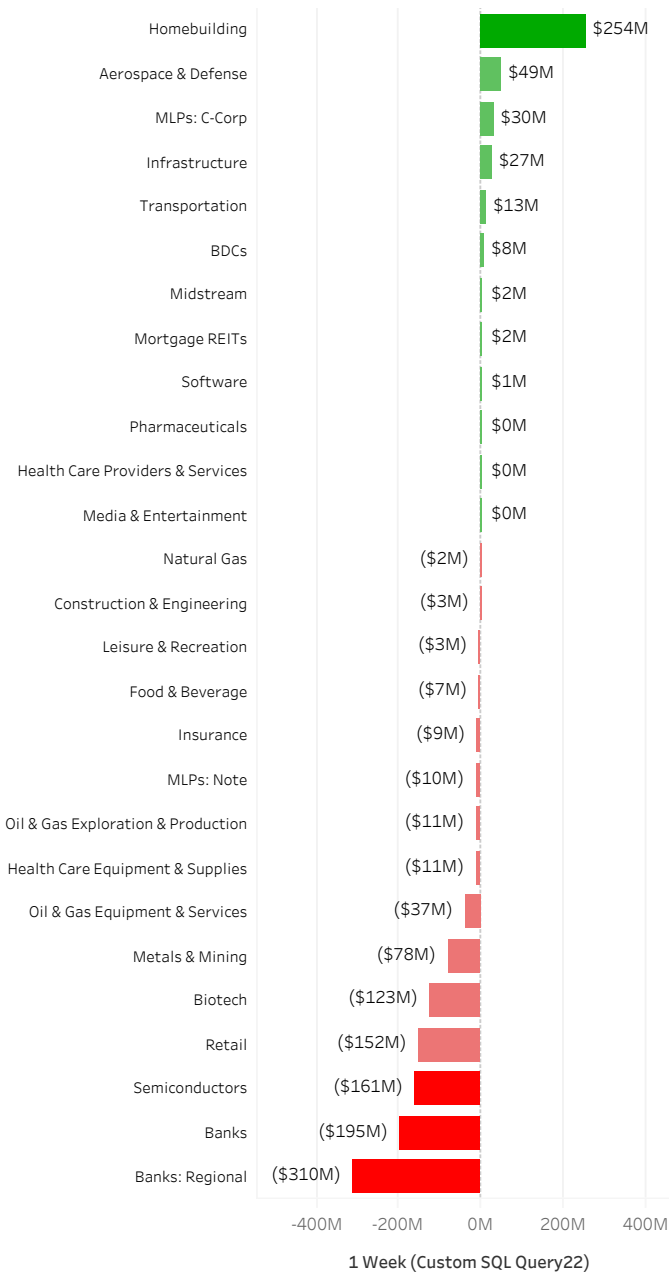
Ticker	Fund	1 Day Performance
IYW	iShares U.S. Technology ETF	-0.22%
XLK	Technology Select Sector SPDR Fund	-0.21%
IETC	iShares U.S. Tech Independence Focused ETF	-0.19%
FTEC	Fidelity MSCI Information Technology Index ETF	-0.17%
IGV	iShares Expanded Tech-Software Sector ETF	-0.15%
IYZ	iShares U.S. Telecommunications ETF	-0.13%
SOXX	iShares Semiconductor ETF	-0.10%
VGT	Vanguard Information Technology ETF	-0.08%
XSD	SPDR S&P Semiconductor ETF	-0.08%
IGM	iShares Expanded Tech Sector ETF	-0.07%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	41.28
NETL	NETLease Corporate Real Estate ETF	43.62
FTXG	First Trust Nasdaq Food & Beverage ETF	45.24
RIET	Hoya Capital High Dividend Yield ETF	45.35
KBWD	Invesco KBW High Dividend Yield Financial ETF	45.97
KBWY	Invesco KBW Premium Yield Equity REIT ETF	46.17
REM	iShares Mortgage Real Estate ETF	46.62
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	47.72
MORT	VanEck Mortgage REIT Income ETF	47.90
FXZ	First Trust Materials AlphaDEX Fund	48.91

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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	\$23B	\$94M	\$924M	\$505M	\$3,666M
Consumer Discretionary	12	\$30B	\$192M	\$1,872M	\$1,771M	\$3,717M
Consumer Staples	10	\$25B	(\$1,207M)	(\$2,193M)	(\$5,221M)	(\$4,153M)
Energy	30	\$69B	(\$647M)	(\$2,961M)	(\$552M)	(\$7,197M)
Financials	26	\$63B	(\$311M)	\$2,414M	(\$2,693M)	(\$1,817M)
Health Care	23	\$92B	(\$336M)	(\$1,426M)	(\$4,754M)	(\$8,571M)
Industrial	13	\$38B	\$242M	\$1,046M	(\$234M)	\$1,672M
Materials	9	\$11B	(\$240M)	(\$1,100M)	(\$1,954M)	(\$4,054M)
Multi-Sector	16	\$21B	\$274M	\$256M	(\$228M)	\$2,900M
Real Estate	25	\$58B	\$203M	\$1,730M	\$1,229M	(\$1,159M)
Technology	23	\$191B	\$430M	\$5,919M	\$9,247M	\$10,173M
Utilities	9	\$19B	(\$258M)	(\$1,152M)	(\$2,558M)	(\$3,059M)

U.S. Sector & Industry Flow Leaders

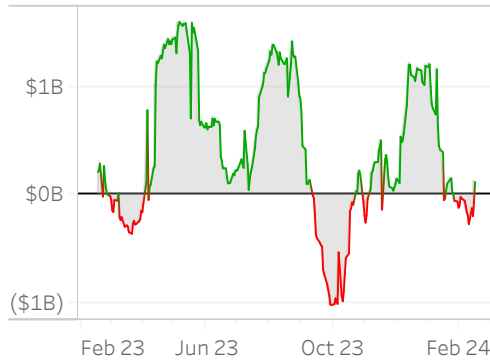
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$354M	\$1,586M	\$1,840M	\$2,643M	\$19,990M
ITB	iShares U.S. Home Construction ETF	\$262M	\$191M	(\$174M)	\$328M	\$2,592M
XLK	Technology Select Sector SPDR Fund	\$260M	\$2,316M	\$2,791M	\$2,622M	\$63,165M
XLV	Financial Select Sector SPDR Fund	\$245M	\$2,020M	(\$1,711M)	(\$47M)	\$36,375M
FENY	Fidelity MSCI Energy Index ETF	\$194M	\$64M	\$110M	\$33M	\$1,615M
XLRE	Real Estate Select Sector SPDR Fund	\$147M	\$929M	\$1,128M	\$733M	\$5,756M
VNQ	Vanguard Real Estate ETF	\$127M	\$460M	(\$411M)	(\$1,315M)	\$32,217M
IYW	iShares U.S. Technology ETF	\$119M	\$650M	\$1,714M	\$1,045M	\$15,556M
VGT	Vanguard Information Technology ETF	\$116M	\$2,160M	\$2,506M	\$1,695M	\$64,284M
XLI	Industrial Select Sector SPDR Fund	\$105M	\$381M	(\$532M)	\$362M	\$16,514M

U.S. Sector & Industry Flow Laggards

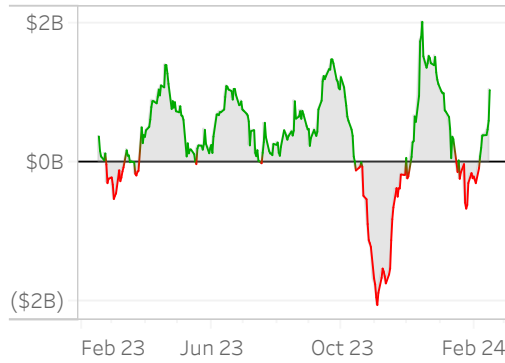
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$940M)	(\$1,483M)	(\$2,576M)	(\$1,614M)	\$14,767M
XLE	Energy Select Sector SPDR Fund	(\$759M)	(\$2,534M)	(\$628M)	(\$3,672M)	\$34,569M
KRE	SPDR S&P Regional Banking ETF	(\$290M)	(\$396M)	(\$273M)	\$919M	\$2,851M
VDC	Vanguard Consumer Staples ETF	(\$252M)	(\$246M)	(\$668M)	(\$440M)	\$6,298M
FUTY	Fidelity MSCI Utilities Index ETF	(\$202M)	(\$264M)	(\$631M)	(\$924M)	\$1,068M
SOXX	iShares Semiconductor ETF	(\$161M)	\$511M	\$632M	\$928M	\$11,865M
XRT	SPDR S&P Retail ETF	(\$152M)	(\$207M)	\$77M	(\$124M)	\$420M
XLV	Health Care Select Sector SPDR Fund	(\$143M)	(\$607M)	(\$2,471M)	(\$3,330M)	\$40,510M
XLB	Materials Select Sector SPDR Fund	(\$141M)	(\$779M)	(\$1,009M)	(\$1,355M)	\$4,754M
KBE	SPDR S&P Bank ETF	(\$126M)	\$395M	\$182M	\$134M	\$1,631M

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Communication Services



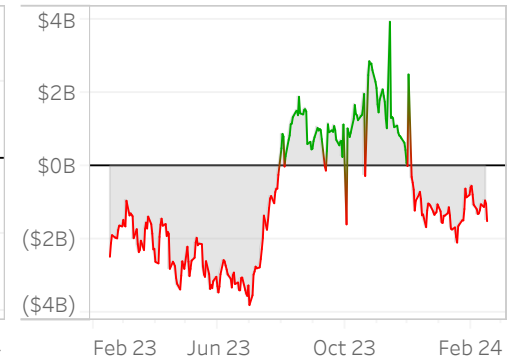
Consumer Discretionary



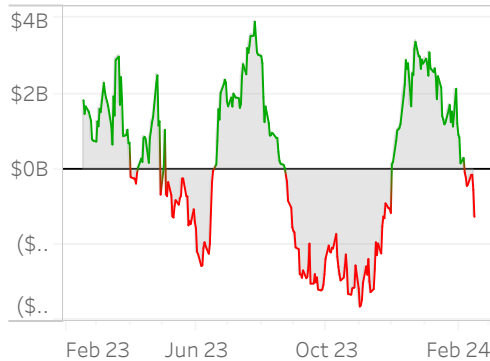
Consumer Staples



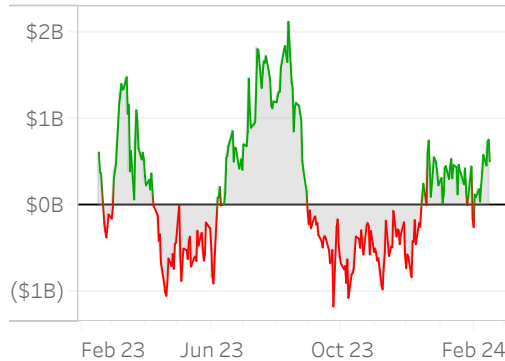
Energy



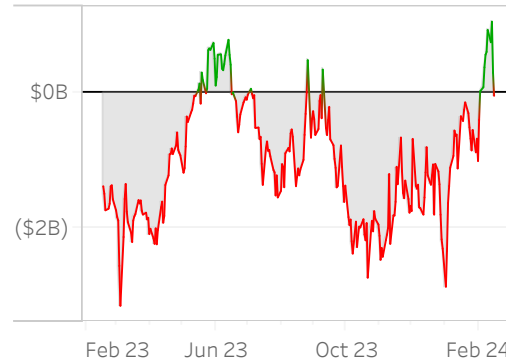
Financials



Industrial



Health Care



Materials



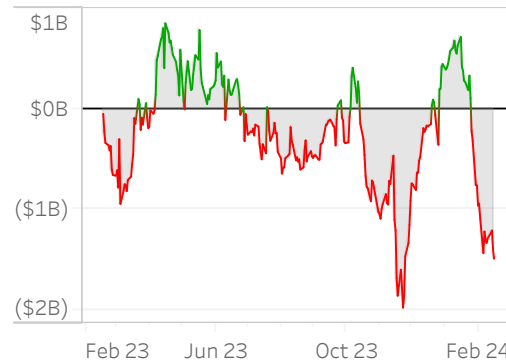
Real Estate



Technology



Utilities

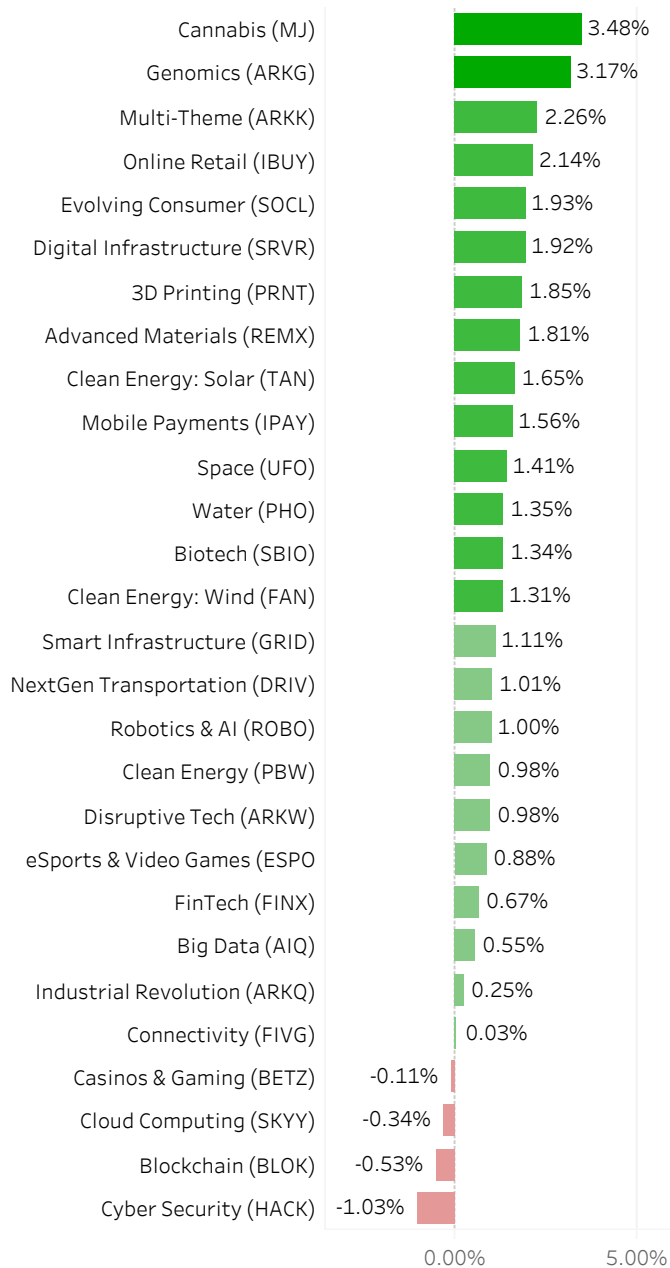


Multi-Sector

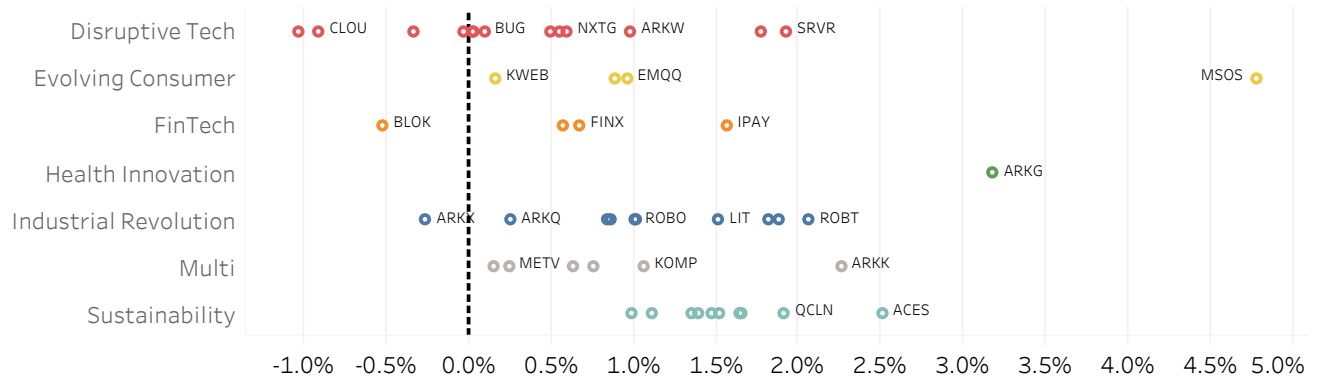


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MJUS	Amplify U.S. Alternative Harvest ETF	4.79%
MSOS	AdvisorShares Pure US Cannabis ETF	4.77%
MJ	Amplify Alternative Harvest ETF	3.48%
IZRL	ARK Israel Innovative Technology ETF	3.29%
ARKG	ARK Genomic Revolution ETF	3.17%
EBIZ	Global X E-Commerce ETF	2.56%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	2.56%
ACES	ALPS Clean Energy ETF	2.51%
ARKK	ARK Innovation ETF	2.26%
IBUY	Amplify Online Retail ETF	2.14%

Thematic Most Overbought

Ticker	Fund	Price
EVX	VanEck Environmental Services ETF	76.02
ENTR	ERShares Entrepreneurs ETF	73.83
IZRL	ARK Israel Innovative Technology ETF	70.71
ESPO	VanEck Video Gaming and eSports ETF	70.21
BLOK	Amplify Transformational Data Sharing ETF	70.14
GBUY	Goldman Sachs Future Consumer Equity ETF	69.84
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	69.02
FCLD	Fidelity Cloud Computing ETF	68.47
BKCH	Global X Blockchain ETF	68.01
SAMT	Strategas Macro Thematic Opportunities ETF	67.10

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
WGMJ	Valkyrie Bitcoin Miners ETF	-4.60%
DAPP	VanEck Digital Transformation ETF	-2.44%
BKCH	Global X Blockchain ETF	-2.06%
BITQ	Bitwise Crypto Industry Innovators ETF	-1.76%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-1.55%
WCBR	WisdomTree Cybersecurity Fund	-1.10%
HACK	Amplify Cybersecurity ETF	-1.03%
CLOU	Global X Cloud Computing ETF	-0.91%
BLOK	Amplify Transformational Data Sharing ETF	-0.53%
SKYY	First Trust Cloud Computing ETF	-0.34%

Thematic Most Oversold

Ticker	Fund	Price
REMX	VanEck Rare Earth/Strategic Metals ETF	44.48
LIT	Global X Lithium & Battery Tech ETF	44.66
BATT	Amplify Lithium & Battery Technology ETF	45.09
FAN	First Trust Global Wind Energy ETF	46.69
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	47.15
KGRN	KraneShares MSCI China Clean Technology Index ETF	48.16
SMOG	VanEck Low Carbon Energy ETF	49.72
MJ	Amplify Alternative Harvest ETF	50.04
PBD	Invesco Global Clean Energy ETF	50.82
MJUS	Amplify U.S. Alternative Harvest ETF	50.90

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
XITK	SPDR FactSet Innovative Technology ETF	\$74M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$73M
AIQ	Global X Artificial Intelligence & Technology ETF	\$50M
HAIL	SPDR S&P Kensho Smart Mobility ETF	\$30M
MSOS	AdvisorShares Pure US Cannabis ETF	\$27M
IHAK	iShares Cybersecurity & Tech ETF	\$22M
HACK	Amplify Cybersecurity ETF	\$20M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$19M
GINN	Goldman Sachs Innovate Equity ETF	\$19M
WCBR	WisdomTree Cybersecurity Fund	\$17M

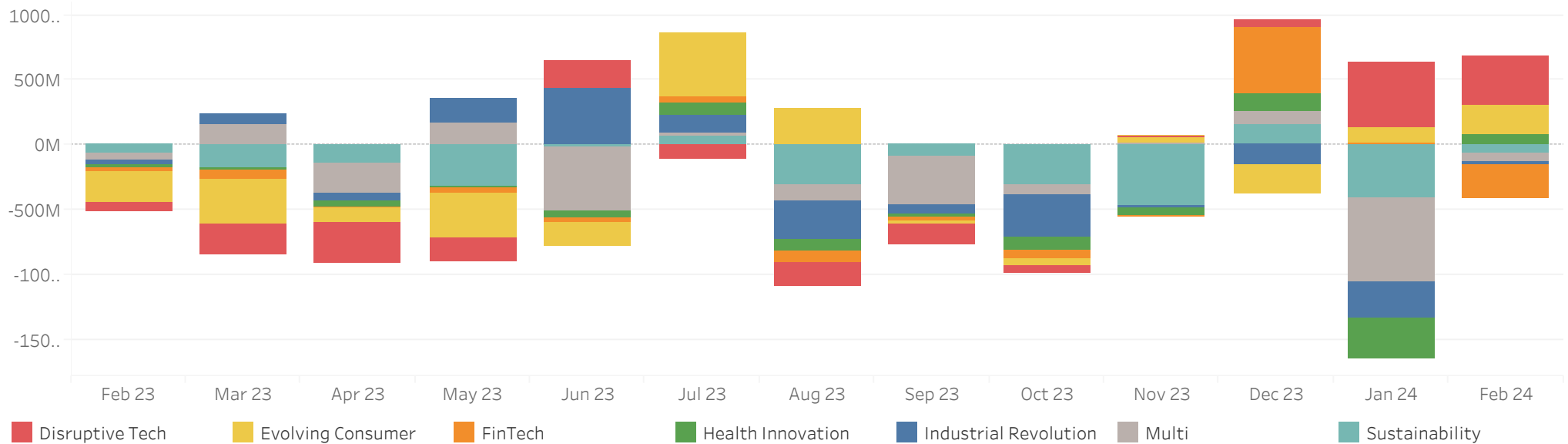
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$170M)
BLOK	Amplify Transformational Data Sharing ETF	(\$157M)
KWEB	KraneShares CSI China Internet ETF	(\$31M)
FINX	Global X FinTech ETF	(\$13M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$13M)
ARKF	ARK Fintech Innovation ETF	(\$12M)
LIT	Global X Lithium & Battery Tech ETF	(\$11M)
MJUS	Amplify U.S. Alternative Harvest ETF	(\$11M)
CGW	Invesco S&P Global Water Index ETF	(\$8M)
CLOU	Global X Cloud Computing ETF	(\$8M)

Thematic Landscape Assets & Flows

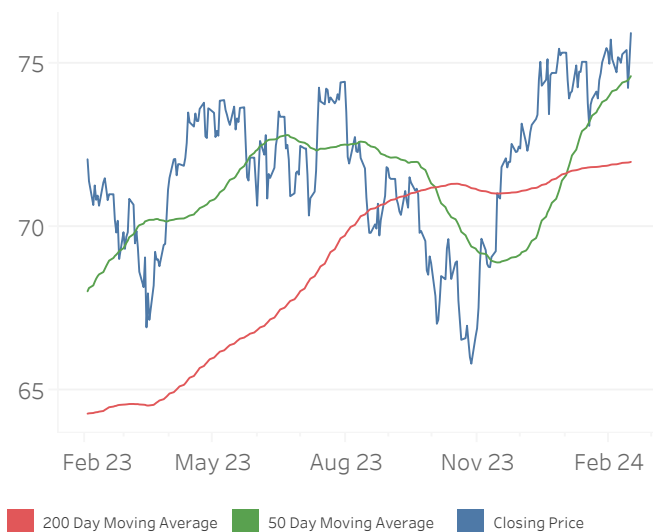
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$118M	\$939M	\$616M	(\$133M)
Evolving Consumer	37	\$9B	(\$5M)	\$213M	\$58M	(\$338M)
FinTech	17	\$4B	(\$155M)	\$278M	\$105M	(\$90M)
Health Innovation	17	\$3B	\$18M	(\$95M)	(\$297M)	(\$436M)
Industrial Revolution	30	\$10B	(\$6M)	(\$474M)	(\$959M)	(\$414M)
Multi	35	\$16B	(\$183M)	(\$860M)	(\$933M)	(\$1,615M)
Sustainability	40	\$13B	(\$2M)	(\$422M)	(\$1,269M)	(\$2,122M)
Grand Total	209	\$74B	(\$214M)	(\$422M)	(\$2,680M)	(\$5,148M)

Thematic Monthly Flows

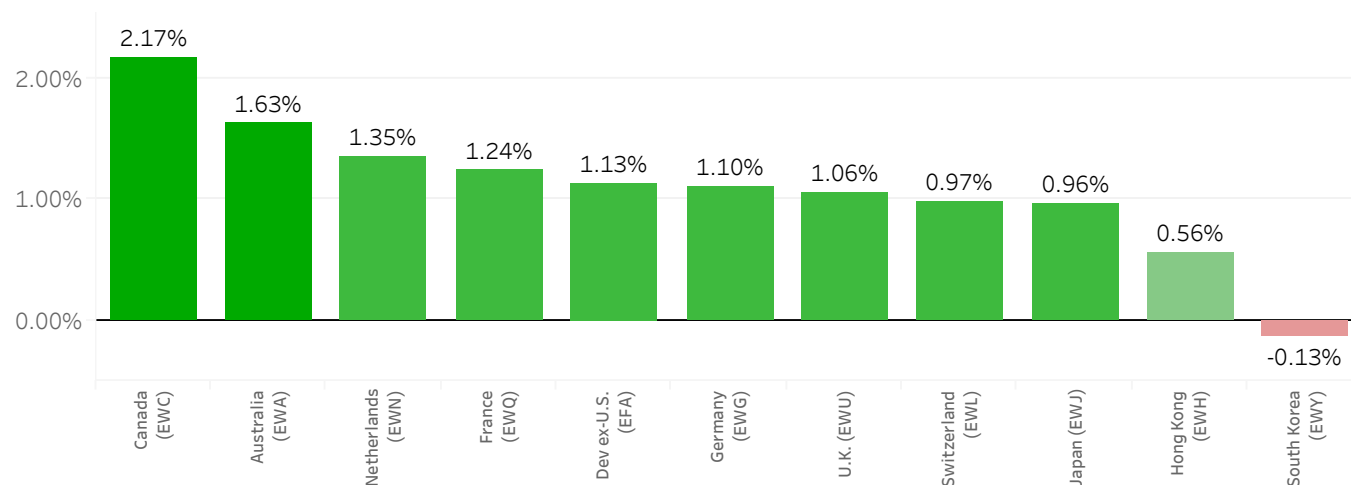


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

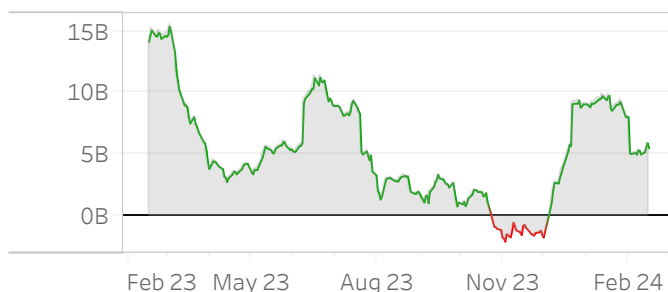
Developed ex-U.S. (EFA)



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



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



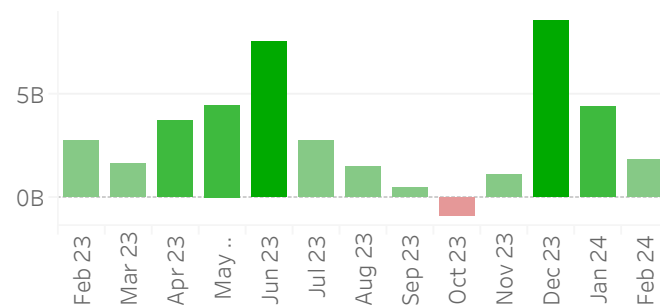
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BBCA	JPMorgan BetaBuilders Canada ETF	2.21%
EWC	iShares MSCI Canada ETF	2.17%
FLCA	Franklin FTSE Canada ETF	2.09%
EWI	iShares MSCI Italy ETF	1.97%
EWS	iShares MSCI Singapore ETF	1.85%
EWD	iShares MSCI Sweden ETF	1.76%
EWA	iShares MSCI Australia ETF	1.63%
EIS	iShares MSCI Israel ETF	1.62%
JHMD	John Hancock Multifactor Developed International ETF	1.49%
DFIV	Dimensional International Value ETF	1.46%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	83.22
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	78.63
HEWJ	iShares Currency Hedged MSCI Japan ETF	77.82
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	73.40
HEFA	iShares Currency Hedged MSCI EAFE ETF	72.18
HEDJ	WisdomTree Europe Hedged Equity Fund	71.58
EIS	iShares MSCI Israel ETF	69.98
IHDG	WisdomTree International Hedged Quality Dividend Grow..	69.46
ISRA	VanEck Israel ETF	69.13
IMTM	iShares MSCI Intl Momentum Factor ETF	68.68

Developed ex-U.S. Monthly Flows



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

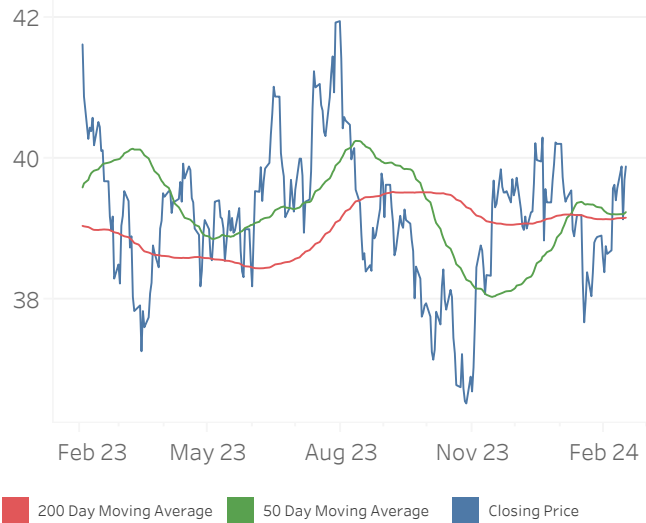
Ticker	Fund	1-Day Performance
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.19%
FLKR	Franklin FTSE South Korea ETF	-0.13%
EWY	iShares MSCI South Korea ETF	-0.13%
GREK	Global X MSCI Greece ETF	-0.10%
AIA	iShares Asia 50 ETF	0.02%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.21%
SCJ	iShares MSCI Japan Small-Cap ETF	0.43%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.44%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.45%
EIRL	iShares MSCI Ireland ETF	0.48%

Developed ex-U.S. Most Oversold

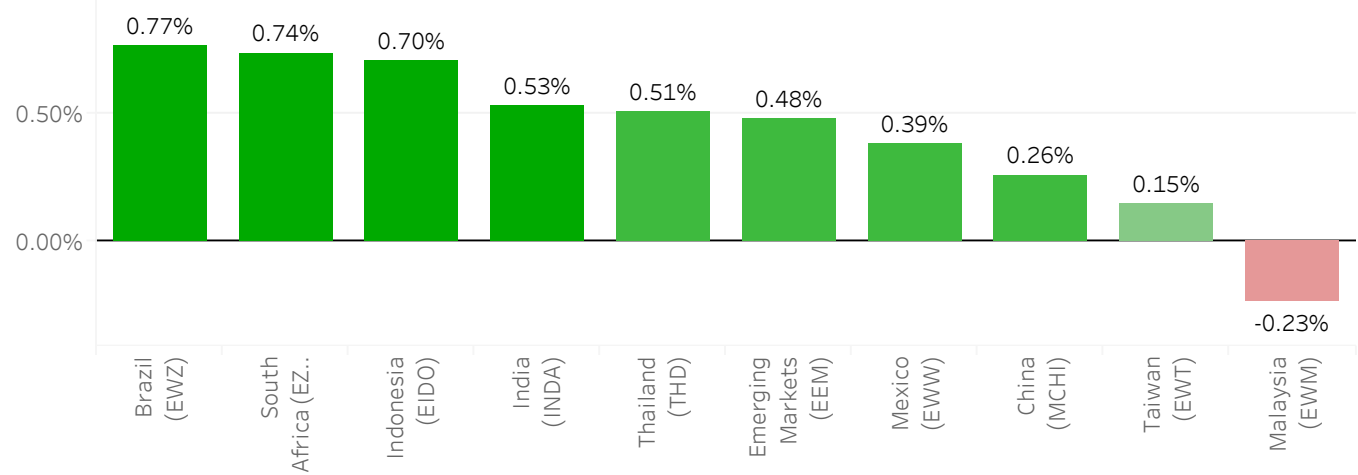
Ticker	Fund	Value
FDD	First Trust Stoxx European Select Dividend Index Fu..	38.84
ENZL	iShares MSCI New Zealand ETF	40.14
EWO	iShares MSCI Austria ETF	44.41
EWP	iShares MSCI Spain ETF	44.57
EWL	iShares MSCI Switzerland ETF	47.72
EFAV	iShares MSCI EAFE Min Vol Factor ETF	48.09
DFJ	WisdomTree Japan SmallCap Dividend Fund	48.21
IDLV	Invesco S&P International Developed Low Volatility ..	48.78
SCJ	iShares MSCI Japan Small-Cap ETF	48.85
IDOG	ALPS International Sector Dividend Dogs ETF	49.10

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

Emerging (EEM)



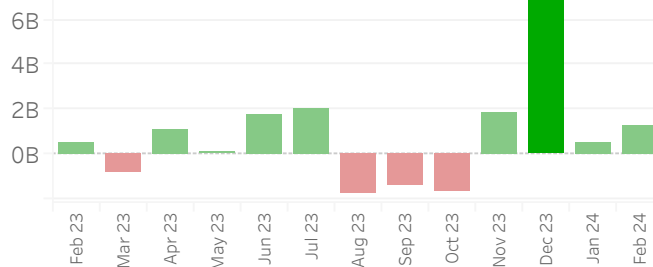
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPU	iShares MSCI Peru and Global Exposure ETF	3.02%
TUR	iShares MSCI Turkey ETF	2.05%
GLIN	VanEck India Growth Leaders ETF	1.27%
EPI	WisdomTree India Earnings Fund	1.24%
PGJ	Invesco Golden Dragon China ETF	1.00%
SMIN	iShares MSCI India Small Cap ETF	0.99%
KSA	iShares MSCI Saudi Arabia ETF	0.98%
EWX	SPDR S&P Emerging Markets Small Cap ETF	0.93%
FLBR	Franklin FTSE Brazil ETF	0.87%
ILF	iShares Latin America 40 ETF	0.86%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	69.91
GLIN	VanEck India Growth Leaders ETF	69.74
EPHE	iShares MSCI Philippines ETF	68.54
KSA	iShares MSCI Saudi Arabia ETF	67.31
EPI	WisdomTree India Earnings Fund	64.38
EYLD	Cambria Emerging Shareholder Yield ETF	64.18
NFTY	First Trust India NIFTY 50 Equal Weight ETF	63.66
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	63.12
EIDO	iShares MSCI Indonesia ETF	62.92
EPU	iShares MSCI Peru and Global Exposure ETF	62.77

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWM	iShares MSCI Malaysia ETF	-0.23%
QAT	iShares MSCI Qatar ETF	-0.23%
DGRE	WisdomTree Emerging Markets Quality Dividend Growth	-0.04%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.00%
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	0.00%
FLTW	Franklin FTSE Taiwan ETF	0.02%
FRDM	Freedom 100 Emerging Markets ETF	0.09%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	0.13%
EWT	iShares MSCI Taiwan ETF	0.15%
KEMX	KraneShares MSCI Emerging Markets EX China Index ETF	0.25%

Emerging Most Oversold

Ticker	Fund	Price
EWZS	iShares MSCI Brazil Small-Cap ETF	42.76
THD	iShares MSCI Thailand ETF	43.88
EZA	iShares MSCI South Africa ETF	44.86
ECH	iShares MSCI Chile ETF	45.61
EWZ	iShares MSCI Brazil ETF	46.10
ARGT	Global X MSCI Argentina ETF	46.62
FLBR	Franklin FTSE Brazil ETF	46.95
FLLA	Franklin FTSE Latin America ETF	48.79
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	50.26
GXC	SPDR S&P China ETF	50.57

* 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	0.24%	-1.42%	-1.56%
SHY	1-3 Year Treasury Bonds	0.10%	-0.41%	-0.05%
IEF	7-10 Year Treasury Bonds	0.28%	-1.92%	-2.09%
TLT	20+ Year Treasury Bonds	0.52%	-3.03%	-5.35%
TIP	TIPS Bonds	0.12%	-1.41%	-1.13%
FLOT	Floating Rate Bonds	0.12%	0.79%	1.13%
LQD	Investment Grade Corporate	0.36%	-1.98%	-2.18%
HYG	High Yield Corporate	0.35%	-0.23%	0.17%
BKLN	Senior Loan	0.09%	0.32%	0.37%
PFF	Preferred & Income Securities	0.35%	1.54%	2.81%
MUB	Municipal Bonds	0.33%	-0.33%	-0.15%
MBB	MBS	0.31%	-1.74%	-1.85%
EMB	Dollar Denominated EM Bonds	0.82%	-0.40%	-1.02%
LEMB	Local Currency EM Bond	0.25%	-2.08%	-2.31%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.61%	-2.25%	-2.63%
DBE	Energy	0.77%	1.17%	4.06%
USO	WTI Crude Oil	1.80%	7.09%	9.29%
BNO	Brent Crude Oil	1.64%	6.74%	9.04%
UNG	Natural Gas	-0.54%	-45.71%	-26.97%
UGA	Gasoline	0.05%	8.30%	9.24%
DBP	Precious Metals	0.87%	-1.81%	-2.93%
GLD	Gold	0.67%	-2.13%	-2.88%
SLV	Silver	2.45%	-1.18%	-3.86%
PPLT	abrdn Physical Platin..	0.93%	-0.95%	-9.28%
PALL	abrdn Physical Palla..	2.07%	-2.62%	-13.12%
DBB	Base Metals	1.07%	-1.50%	-6.78%
CPER	Copper	1.52%	0.56%	-3.15%
DBA	Agriculture	-0.41%	5.77%	5.11%
CORN	Corn	-1.62%	-5.82%	-10.01%
SOYB	Soybeans	-0.57%	-5.34%	-9.41%
WEAT	Wheat	-2.57%	-7.67%	-11.22%
CANE	Sugar	-2.55%	5.43%	8.03%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.39%	2.30%	3.65%
UDN	Short Dollar	0.39%	-1.54%	-2.55%
FXE	Euro	0.39%	-1.44%	-2.14%
FXB	British Pound Sterling	0.27%	-0.83%	-0.76%
FXF	Swiss Franc	0.64%	-3.12%	-4.40%
FXJ	Japanese Yen	0.47%	-3.41%	-6.09%
FXC	Canadian Dollar	0.54%	-0.29%	-1.39%
FXA	Australian Dollar	0.50%	-2.32%	-4.10%

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