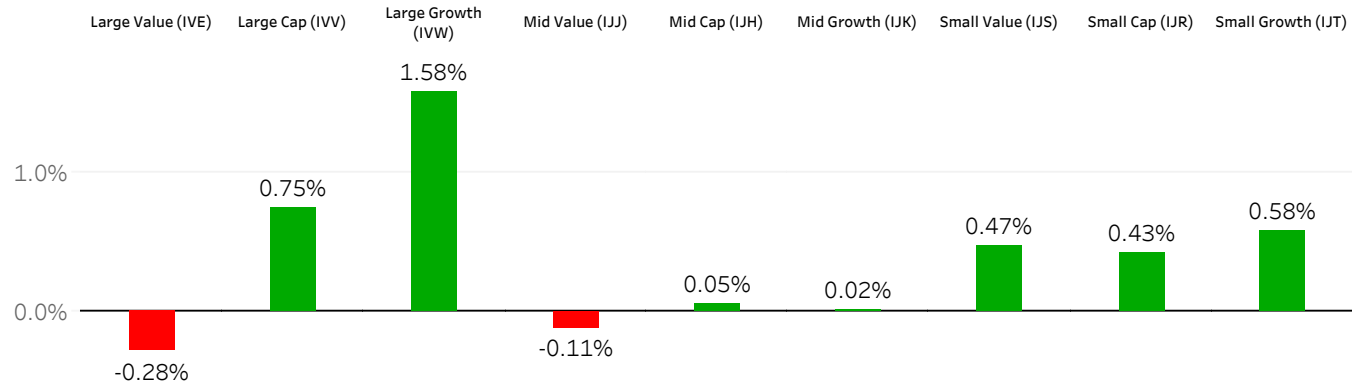


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QQH	HCM Defender 100 Index ETF	2.20%
SPMO	Invesco S&P 500 Momentum ETF	1.78%
WINN	Harbor Long-Term Growers ETF	1.64%
QQQM	Invesco NASDAQ 100 ETF	1.61%
MGK	Vanguard Mega Cap Growth ETF	1.60%
QQQ	Invesco QQQ Trust Series I	1.60%
ONEQ	Fidelity Nasdaq Composite Index ETF	1.59%
STLG	iShares Factors US Growth Style ETF	1.58%
IVW	iShares S&P 500 Growth ETF	1.58%
SPYG	SPDR Portfolio S&P 500 Growth ETF	1.57%

Size & Style Most Overbought

Ticker	Fund	Value
SPMO	Invesco S&P 500 Momentum ETF	59.53
VOOG	Vanguard S&P 500 Growth ETF	59.19
RUFF	Alpha Dog ETF	59.10
SPYG	SPDR Portfolio S&P 500 Growth ETF	58.80
SCHG	Schwab U.S. Large-Cap Growth ETF	58.75
IVW	iShares S&P 500 Growth ETF	58.71
MMLG	First Trust Multi-Manager Large Growth ETF	58.64
RECS	Columbia Research Enhanced Core ETF	58.53
IUSG	iShares Core S&P U.S. Growth ETF	58.42
VUG	Vanguard Growth ETF	58.30

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ALTL	Pacer Lunt Large Cap Alternator ETF	-0.85%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.81%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.77%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	-0.76%
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	-0.58%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.54%
AUSF	Global X Adaptive U.S. Factor ETF	-0.49%
NUMV	Nuveen ESG Mid-Cap Value ETF	-0.48%
DHS	WisdomTree U.S. High Dividend Fund	-0.46%
CZA	Invesco Zacks Mid-Cap ETF	-0.46%

Size & Style Most Oversold

Ticker	Fund	Value
HUSV	First Trust Horizon Managed Volatility Domestic ETF	35.29
ALTL	Pacer Lunt Large Cap Alternator ETF	35.53
SPLV	Invesco S&P 500 Low Volatility ETF	35.76
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	37.76
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	38.09
SELV	SEI Enhanced Low Volatility U.S. Large Cap ETF	38.30
USMV	iShares MSCI USA Min Vol Factor ETF	38.96
DIA	SPDR Dow Jones Industrial Average ETF Trust	38.99
FVD	First Trust Value Line Dividend Index Fund	39.08
FTCS	First Trust Capital Strength ETF	39.41

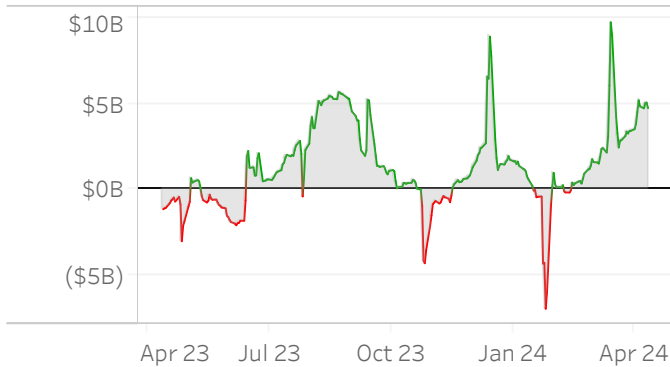
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

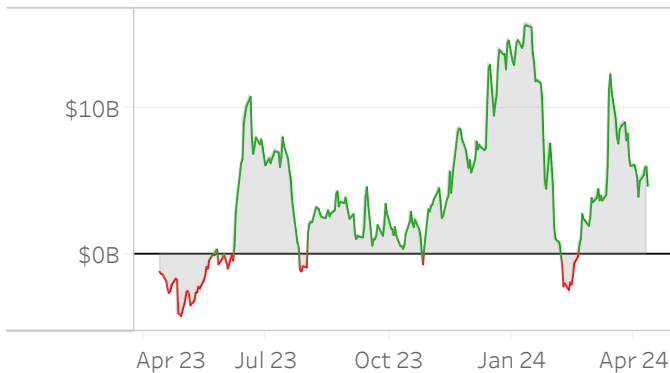
Large-Cap 30-Day Rolling Flows



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	\$1,847B	(\$14.77B)	\$35.12B	\$122.96B	\$195.69B
Large Cap, Beta, Beta: Growth	10	\$362B	\$0.94B	\$11.19B	\$18.34B	\$25.50B
Large Cap, Beta, Beta: Value	11	\$258B	\$0.35B	\$4.35B	\$8.43B	\$5.44B
Mid Cap, Beta, Beta	10	\$227B	\$0.54B	\$4.25B	\$4.19B	\$10.32B
Mid Cap, Beta, Beta: Growth	6	\$44B	\$0.05B	\$1.31B	\$2.09B	\$2.70B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.04B)	(\$1.23B)	(\$1.41B)	(\$2.89B)
Small Cap, Beta, Beta	11	\$234B	(\$1.15B)	\$1.24B	\$14.78B	\$21.44B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.03B)	\$0.91B	\$2.33B	\$2.80B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.08B	(\$0.75B)	\$0.38B	(\$1.08B)

U.S. Size & Style Flow Leaders

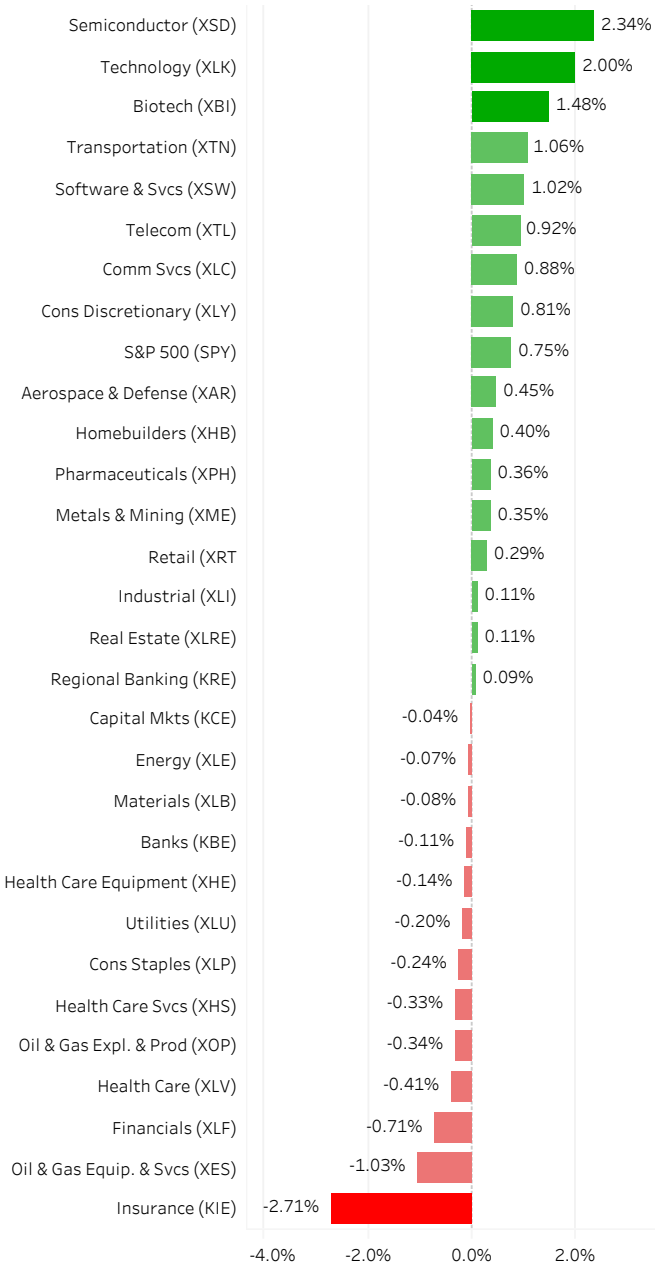
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
RSP	Invesco S&P 500 Equal Weight ETF	\$2.88B	\$3.49B	\$9.41B	\$16.45B	\$56.04B
VOO	Vanguard S&P 500 ETF	\$1.67B	\$23.71B	\$38.27B	\$64.73B	\$432.19B
VTI	Vanguard Total Stock Market ETF	\$0.60B	\$7.91B	\$15.87B	\$27.40B	\$383.26B
VUG	Vanguard Growth ETF	\$0.60B	\$3.61B	\$5.39B	\$5.92B	\$118.29B
IWR	iShares Russell Midcap ETF	\$0.27B	\$0.69B	\$0.68B	\$0.82B	\$33.15B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.26B	\$1.03B	\$1.91B	\$4.13B	\$27.07B
VO	Vanguard Mid-Cap ETF	\$0.22B	\$1.26B	\$2.20B	\$3.40B	\$63.52B
IUSV	iShares Core S&P US Value ETF	\$0.21B	\$0.66B	\$0.96B	\$0.97B	\$16.80B
QQQM	Invesco NASDAQ 100 ETF	\$0.19B	\$2.40B	\$4.79B	\$9.35B	\$22.99B
IWF	iShares Russell 1000 Growth ETF	\$0.18B	(\$0.27B)	\$0.98B	\$1.50B	\$88.18B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$3.60B)	\$2.52B	\$6.03B	\$12.87B	\$251.98B
IWM	iShares Russell 2000 ETF	(\$1.14B)	(\$4.57B)	\$4.04B	\$4.61B	\$61.58B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.23B)	(\$0.55B)	(\$1.00B)	(\$1.50B)	\$11.86B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.19B)	(\$0.78B)	\$0.67B	\$0.56B	\$32.98B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.11B)	(\$3.89B)	(\$7.40B)	(\$8.08B)	\$23.84B
DFAT	Dimensional U.S. Targeted Value ETF	(\$0.10B)	\$0.08B	\$0.21B	\$0.52B	\$9.66B
SCHD	Schwab US Dividend Equity ETF	(\$0.08B)	\$1.31B	\$2.20B	\$4.57B	\$54.66B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.07B)	(\$0.12B)	\$0.13B	(\$0.45B)	\$21.58B
FVD	First Trust Value Line Dividend Index Fund	(\$0.06B)	(\$0.95B)	(\$1.77B)	(\$2.57B)	\$9.81B
CSML	IndexIQ ETF Trust IQ U.S. Small Cap ETF	(\$0.06B)	(\$0.06B)	(\$0.08B)	(\$0.16B)	\$0.12B

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

S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLC	Communication Services Select Sector SPDR Fund	-0.14%	47.32%	3.05%	15.24%	61.12
XLE	Energy Select Sector SPDR Fund	-0.37%	27.59%	9.19%	12.45%	78.65
SPY	SPDR S&P 500 ETF Trust	-0.99%	28.10%	1.53%	11.23%	53.48
XLK	Technology Select Sector SPDR Fund	-1.05%	42.91%	1.17%	12.71%	54.29
XLI	Industrial Select Sector SPDR Fund	-1.37%	28.82%	2.32%	12.24%	53.60
XLB	Materials Select Sector SPDR Fund	-1.63%	22.94%	3.40%	10.01%	53.66
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.70%	25.29%	-0.23%	5.00%	48.20
XLF	Financial Select Sector SPDR Fund	-3.61%	29.09%	0.20%	11.30%	42.30
XLP	Consumer Staples Select Sector SPDR Fund	-4.35%	11.95%	-0.79%	2.66%	39.60
XLV	Health Care Select Sector SPDR Fund	-4.63%	14.51%	-2.84%	3.78%	34.22
XLU	Utilities Select Sector SPDR Fund	-6.73%	15.13%	2.79%	3.08%	53.31
XLRE	Real Estate Select Sector SPDR Fund	-7.09%	16.90%	-2.89%	0.78%	39.08

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSI	Invesco Semiconductors ETF	2.62%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	2.61%
SOXQ	Invesco PHLX Semiconductor ETF	2.42%
XSD	SPDR S&P Semiconductor ETF	2.34%
SOXX	iShares Semiconductor ETF	2.26%
FTXL	First Trust Nasdaq Semiconductor ETF	2.15%
PTF	Invesco Dorsey Wright Technology Momentum ETF	2.14%
IYW	iShares U.S. Technology ETF	2.12%
FTEC	Fidelity MSCI Information Technology Index ETF	2.08%
XLK	Technology Select Sector SPDR Fund	2.00%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IYE	iShares U.S. Energy ETF	78.94
XLE	Energy Select Sector SPDR Fund	78.65
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	77.93
FTXN	First Trust Nasdaq Oil & Gas ETF	77.42
FXN	First Trust Energy AlphaDEX Fund	76.66
FCG	First Trust Natural Gas ETF	76.58
FENY	Fidelity MSCI Energy Index ETF	76.26
RSPG	Invesco S&P 500 Equal Weight Energy ETF	76.21
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	75.92
VDE	Vanguard Energy ETF	75.70

Sector & Industry 1 Day Performance Laggards

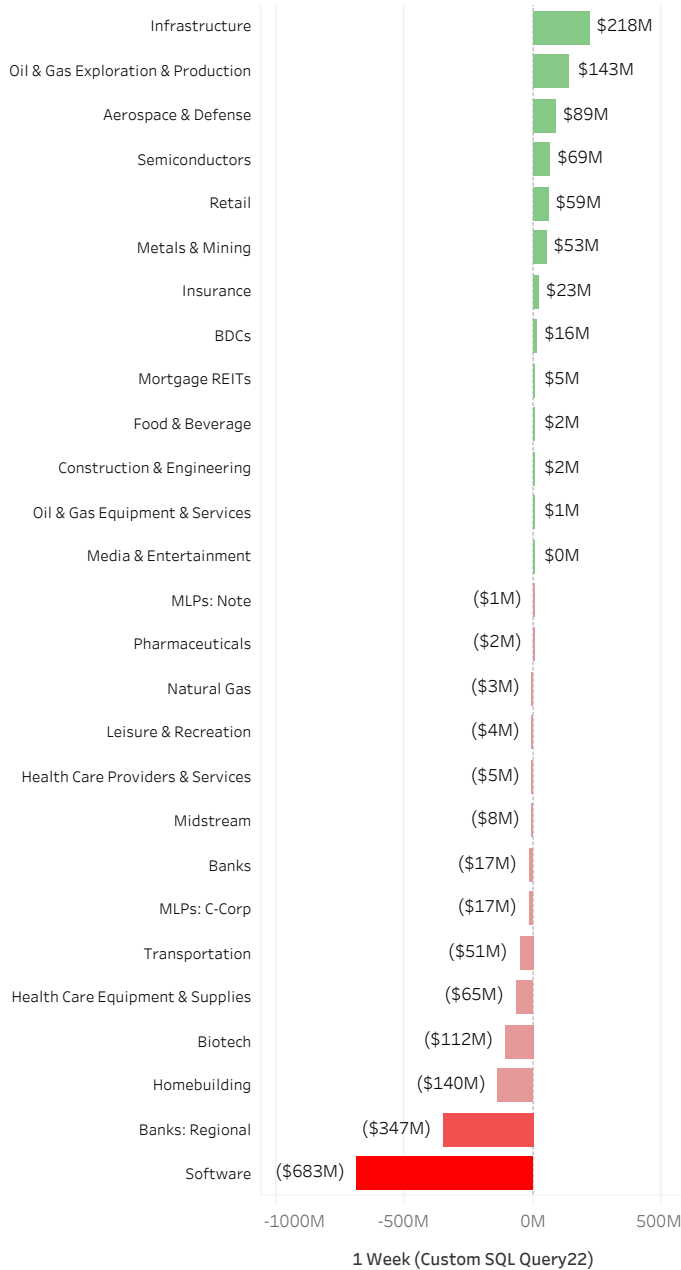
Ticker	Fund	1 Day Performance
KIE	SPDR S&P Insurance ETF	-2.71%
IAK	iShares U.S. Insurance ETF	-2.35%
KBWP	Invesco KBW Property & Casualty Insurance ETF	-1.82%
RSPF	Invesco S&P 500 Equal Weight Financials ETF	-1.41%
FXO	First Trust Financials AlphaDEX Fund	-1.10%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.03%
FXG	First Trust Consumer Staples AlphaDEX Fund	-0.88%
IHF	iShares U.S. Healthcare Providers ETF	-0.84%
IEZ	iShares U.S. Oil Equipment & Services ETF	-0.80%
KBWB	Invesco KBW Bank ETF	-0.78%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KIE	SPDR S&P Insurance ETF	31.00
IHF	iShares U.S. Healthcare Providers ETF	31.40
IHE	iShares U.S. Pharmaceuticals ETF	32.39
IAK	iShares U.S. Insurance ETF	32.97
PSCC	Invesco S&P SmallCap Consumer Staples ETF	33.84
IYK	iShares U.S. Consumer Staples ETF	34.03
XLV	Health Care Select Sector SPDR Fund	34.22
IYH	iShares U.S. Healthcare ETF	34.94
VHT	Vanguard Health Care ETF	35.20
FHLC	Fidelity MSCI Health Care Index ETF	35.48

* 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	\$24B	(\$182M)	\$436M	\$1,300M	\$2,911M
Consumer Discretionary	12	\$30B	\$161M	\$1,389M	\$1,575M	\$3,198M
Consumer Staples	10	\$24B	(\$410M)	(\$1,600M)	(\$4,348M)	(\$5,619M)
Energy	30	\$82B	\$775M	\$927M	(\$69M)	(\$3,271M)
Financials	26	\$65B	\$442M	(\$1,788M)	\$404M	(\$1,988M)
Health Care	23	\$89B	(\$944M)	(\$1,874M)	(\$4,204M)	(\$6,935M)
Industrial	13	\$41B	\$116M	\$2,153M	\$1,977M	\$2,913M
Materials	9	\$13B	\$291M	(\$80M)	(\$740M)	(\$2,691M)
Multi-Sector	16	\$23B	\$32M	\$1,304M	\$1,045M	\$3,453M
Real Estate	25	\$59B	(\$377M)	\$1,008M	\$3,289M	\$2,606M
Technology	23	\$194B	(\$559M)	\$5,138M	\$11,169M	\$11,886M
Utilities	9	\$20B	(\$276M)	(\$2,938M)	(\$3,974M)	(\$4,268M)

U.S. Sector & Industry Flow Leaders

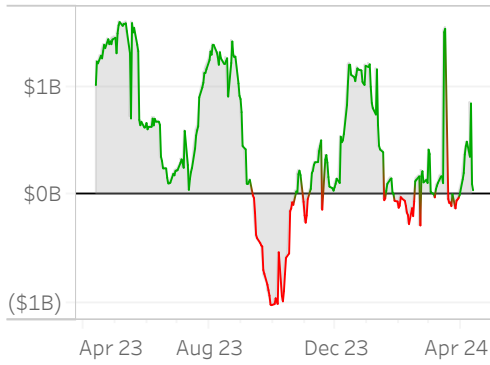
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$606M	\$483M	(\$104M)	(\$2,458M)	\$42,127M
IAI	iShares U.S. Broker-Dealers & Securities Excha..	\$566M	\$606M	\$591M	\$200M	\$1,047M
XLF	Financial Select Sector SPDR Fund	\$212M	(\$95M)	\$697M	(\$113M)	\$37,822M
PAVE	Global X U.S. Infrastructure Development ETF	\$184M	\$1,085M	\$982M	\$1,759M	\$7,501M
XLB	Materials Select Sector SPDR Fund	\$180M	(\$209M)	(\$247M)	(\$413M)	\$5,875M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$137M	\$1,183M	\$1,593M	\$2,665M	\$20,040M
XLK	Technology Select Sector SPDR Fund	\$134M	\$2,186M	\$5,116M	\$4,899M	\$64,424M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$96M	\$175M	\$416M	(\$126M)	\$4,363M
VIS	Vanguard Industrials ETF	\$77M	\$469M	\$260M	\$555M	\$5,320M
SOXX	iShares Semiconductor ETF	\$67M	\$274M	\$745M	\$828M	\$12,591M

U.S. Sector & Industry Flow Laggards

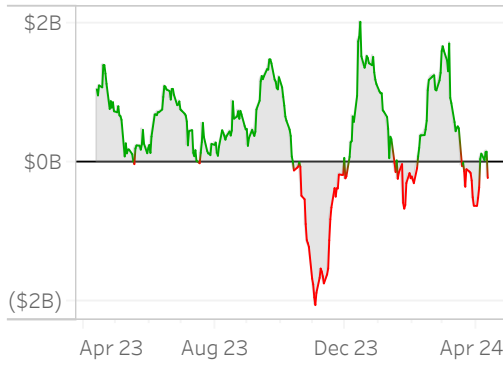
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	(\$686M)	(\$1,156M)	(\$1,145M)	(\$972M)	\$6,615M
XLV	Health Care Select Sector SPDR Fund	(\$680M)	(\$1,163M)	(\$2,798M)	(\$3,067M)	\$38,689M
XLP	Consumer Staples Select Sector SPDR Fund	(\$405M)	(\$1,215M)	(\$3,034M)	(\$2,876M)	\$14,386M
KRE	SPDR S&P Regional Banking ETF	(\$345M)	(\$1,075M)	(\$532M)	(\$797M)	\$2,384M
XLU	Utilities Select Sector SPDR Fund	(\$283M)	(\$2,841M)	(\$3,197M)	(\$3,183M)	\$11,857M
XLC	Communication Services Select Sector SPDR Fu..	(\$178M)	\$315M	\$1,317M	\$2,522M	\$18,281M
IYR	iShares U.S. Real Estate ETF	(\$162M)	(\$231M)	\$1,327M	\$909M	\$3,956M
XHB	SPDR S&P Homebuilders ETF	(\$122M)	\$58M	\$154M	\$253M	\$1,811M
VNQ	Vanguard Real Estate ETF	(\$98M)	\$826M	\$469M	\$112M	\$32,335M
IBB	iShares Biotechnology ETF	(\$73M)	(\$251M)	(\$291M)	(\$869M)	\$7,222M

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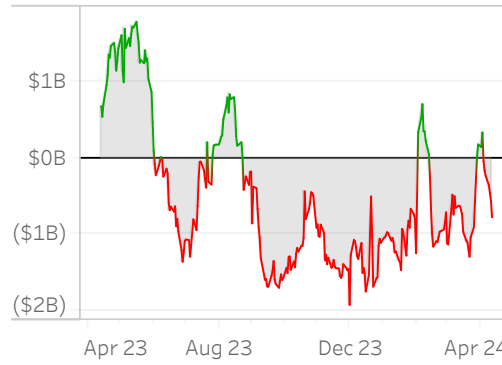
Communication Services



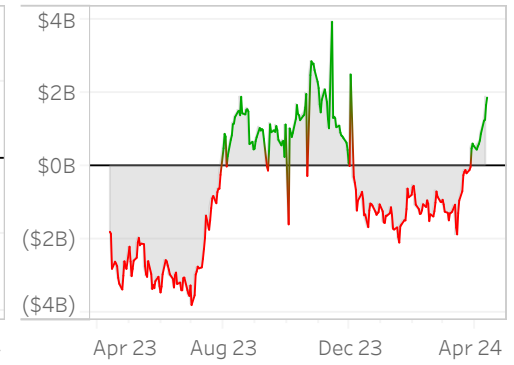
Consumer Discretionary



Consumer Staples



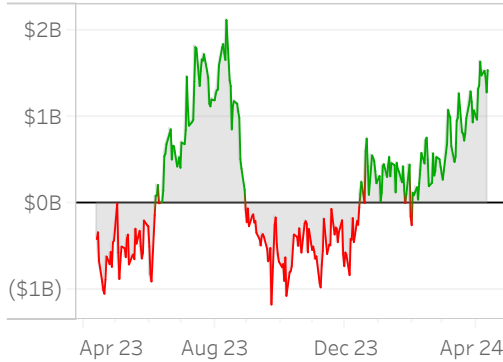
Energy



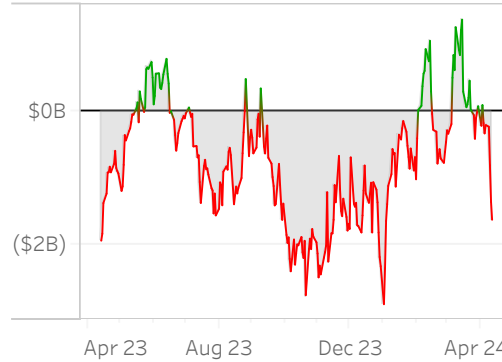
Financials



Industrial



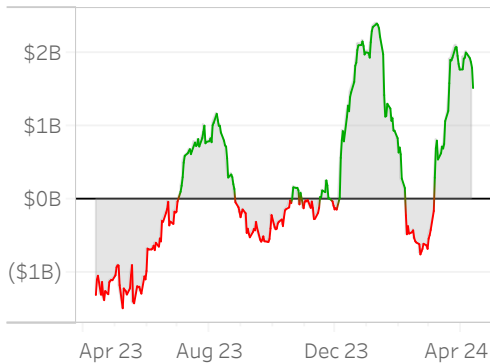
Health Care



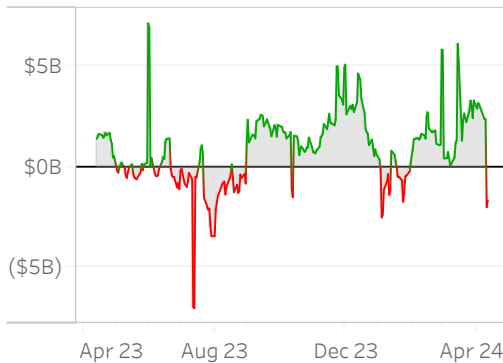
Materials



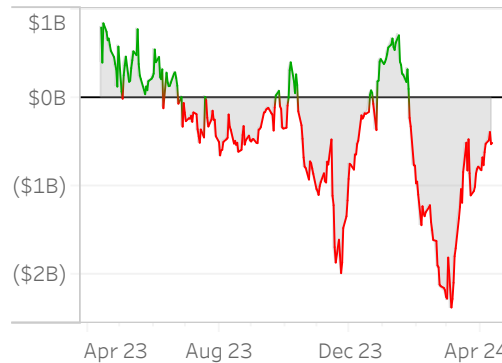
Real Estate



Technology



Utilities

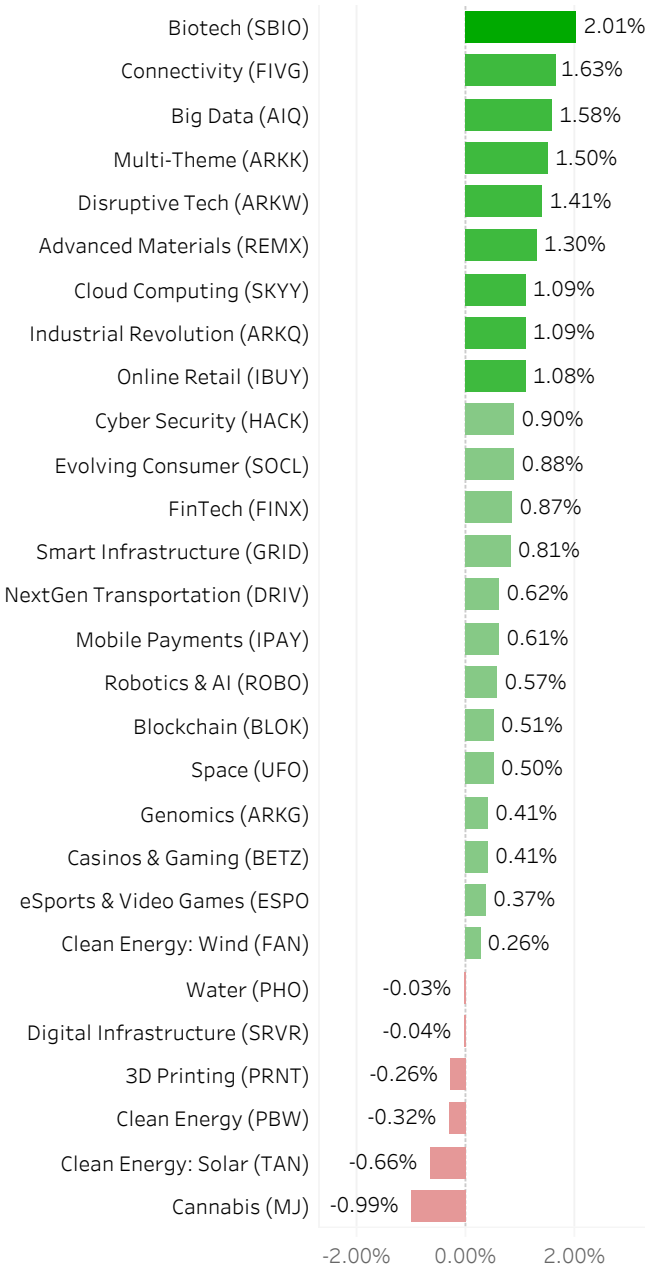


Multi-Sector

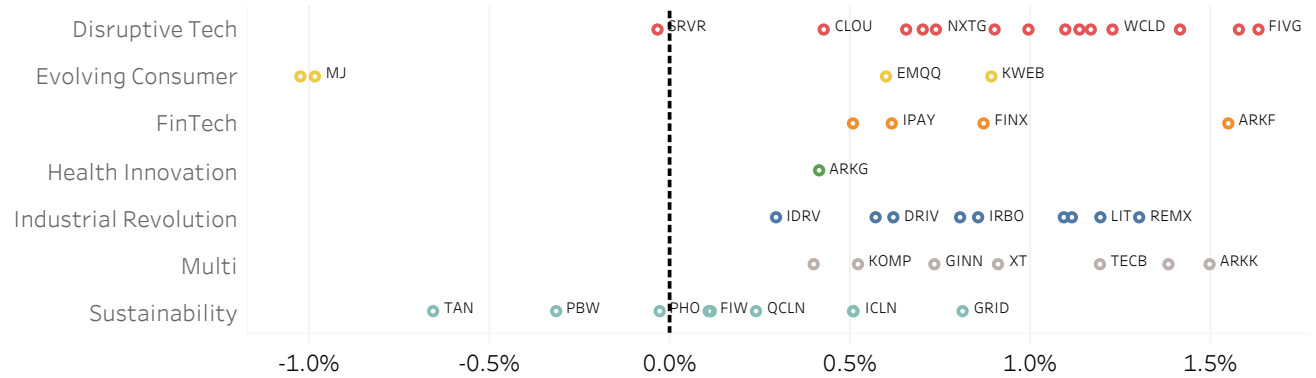


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
BKCH	Global X Blockchain ETF	2.87%
SBIO	ALPS Medical Breakthroughs ETF	2.01%
FIVG	Defiance Next Gen Connectivity ETF	1.63%
AIQ	Global X Artificial Intelligence & Technology ETF	1.58%
ARKF	ARK Fintech Innovation ETF	1.55%
AWAY	Amplify Travel Tech ETF	1.54%
SPRX	Spear Alpha ETF	1.53%
ARKK	ARK Innovation ETF	1.50%
LOUP	Innovator Deepwater Frontier Tech ETF	1.47%
ARKW	ARK Next Generation Internet ETF	1.41%

Thematic Most Overbought

Ticker	Fund	Value
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	62.18
KWEB	KraneShares CSI China Internet ETF	61.95
REMX	VanEck Rare Earth/Strategic Metals ETF	59.98
ONLN	ProShares Online Retail ETF	59.75
AWAY	Amplify Travel Tech ETF	58.78
ENTR	ERShares Entrepreneurs ETF	58.26
GBUY	Goldman Sachs Future Consumer Equity ETF	58.07
SAMT	Strategas Macro Thematic Opportunities ETF	57.36
AIQ	Global X Artificial Intelligence & Technology ETF	56.66
METV	Roundhill Ball Metaverse ETF	55.58

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
CRPT	First Trust SkyBridge Crypto Industry & Digital Econo..	-2.27%
YOLO	AdvisorShares Pure Cannabis ETF	-1.28%
ACES	ALPS Clean Energy ETF	-1.18%
MSOS	AdvisorShares Pure US Cannabis ETF	-1.03%
MJ	Amplify Alternative Harvest ETF	-0.99%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-0.82%
TAN	Invesco Solar ETF	-0.66%
EVX	VanEck Environmental Services ETF	-0.52%
PBD	Invesco Global Clean Energy ETF	-0.50%
CNRG	SPDR S&P Kensho Clean Power ETF	-0.39%

Thematic Most Oversold

Ticker	Fund	Value
SRVR	Pacer Data & Infrastructure Real Estate ETF	31.41
IZRL	ARK Israel Innovative Technology ETF	35.59
DTCR	Global X Data Center And Digital Infrastructure ETF	37.12
ARKG	ARK Genomic Revolution ETF	38.55
WGM1	Valkyrie Bitcoin Miners ETF	39.71
GNOM	Global X Genomics & Biotechnology ETF	40.47
AGNG	Global X Aging Population ETF	41.52
CLOU	Global X Cloud Computing ETF	41.91
IHAK	iShares Cybersecurity & Tech ETF	42.88
EBLU	Ecofin Global Water ESG Fund	43.07

* 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
AIQ	Global X Artificial Intelligence & Technology ETF	\$34M
MSOS	AdvisorShares Pure US Cannabis ETF	\$25M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$11M
DAPP	VanEck Digital Transformation ETF	\$6M
QTUM	Defiance Quantum ETF	\$6M
DGIN	VanEck Digital India ETF	\$6M
FIW	First Trust Water ETF	\$5M
FFLC	Fidelity Fundamental Large Cap Core ETF	\$4M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$2M
TIME	Clockwise Core Equity & Innovation ETF	\$1M

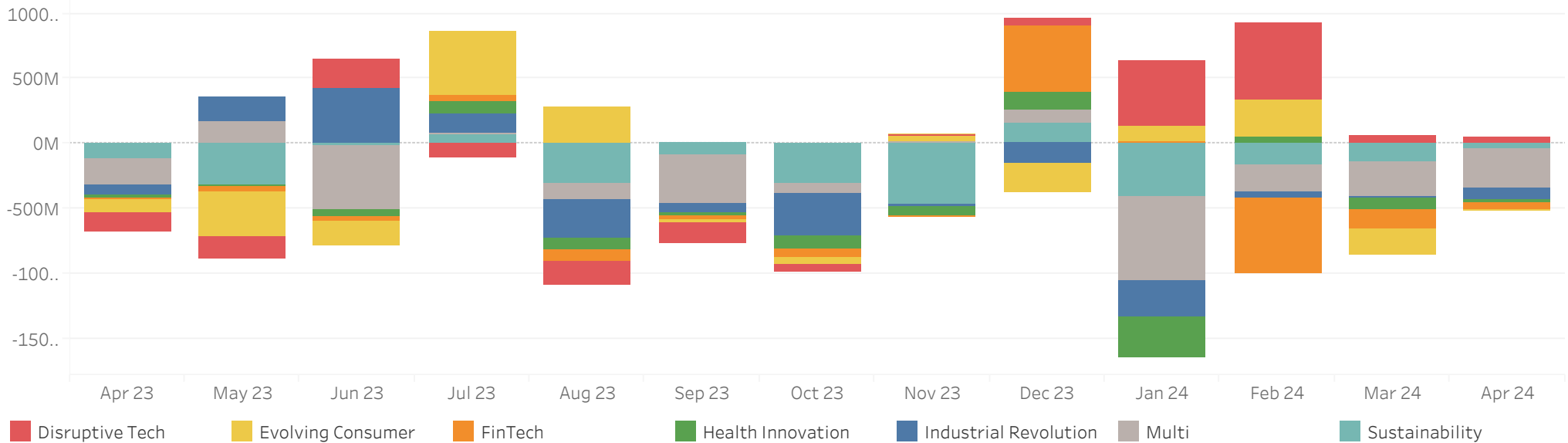
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$124M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$47M)
GBUY	Goldman Sachs Future Consumer Equity ETF	(\$31M)
ARKG	ARK Genomic Revolution ETF	(\$18M)
CLOU	Global X Cloud Computing ETF	(\$16M)
WCLD	WisdomTree Cloud Computing Fund	(\$15M)
ARKW	ARK Next Generation Internet ETF	(\$12M)
ICLN	iShares Global Clean Energy ETF	(\$10M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$10M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$9M)

Thematic Landscape Assets & Flows

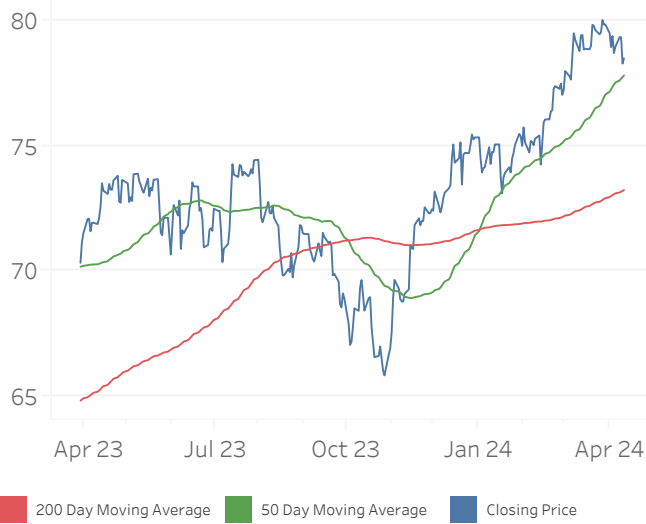
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$20B	(\$13M)	\$1,161M	\$1,199M	\$656M
Evolving Consumer	34	\$9B	(\$34M)	\$235M	(\$33M)	\$118M
FinTech	17	\$3B	(\$6M)	(\$833M)	(\$265M)	(\$507M)
Health Innovation	17	\$2B	(\$19M)	(\$306M)	(\$410M)	(\$520M)
Industrial Revolution	29	\$10B	(\$65M)	(\$288M)	(\$796M)	(\$622M)
Multi	33	\$15B	(\$135M)	(\$1,058M)	(\$1,432M)	(\$2,387M)
Sustainability	39	\$12B	(\$13M)	(\$605M)	(\$1,347M)	(\$2,151M)
Grand Total	202	\$72B	(\$285M)	(\$1,695M)	(\$3,083M)	(\$5,412M)

Thematic Monthly Flows

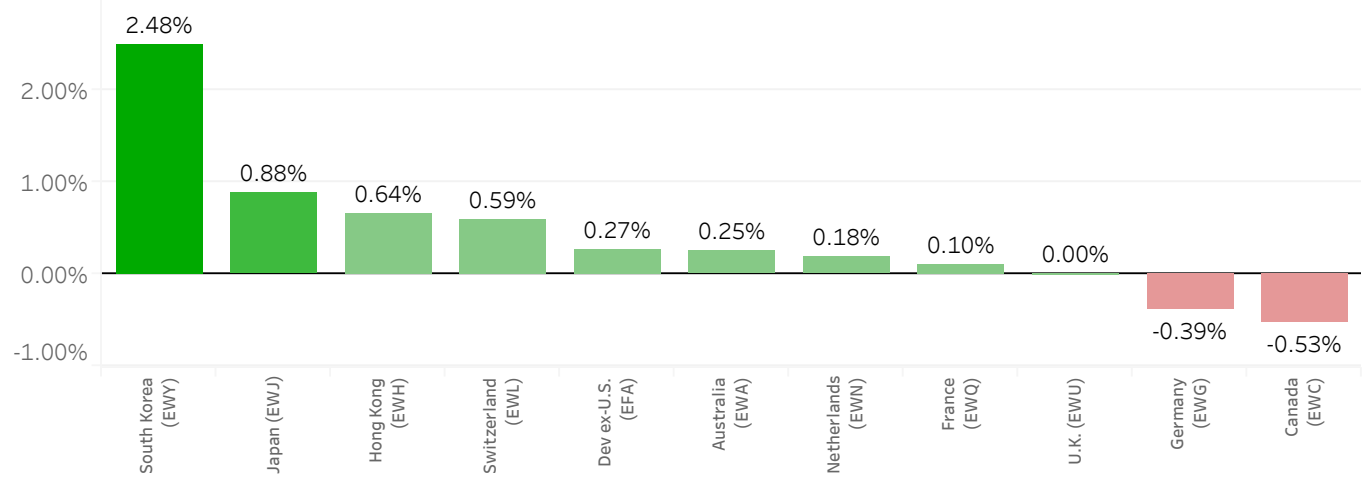


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



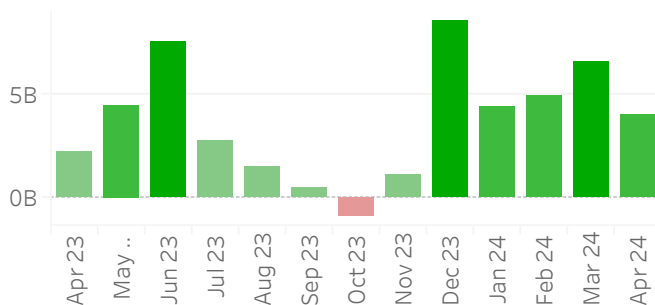
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FLKR	Franklin FTSE South Korea ETF	2.52%
EWY	iShares MSCI South Korea ETF	2.48%
AIA	iShares Asia 50 ETF	1.50%
MINV	Matthews Asia Innovators Active ETF	1.40%
DXJ	WisdomTree Japan Hedged Equity Fund	1.21%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.19%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.04%
EWJV	iShares MSCI Japan Value ETF	0.98%
VPL	Vanguard FTSE Pacific ETF	0.97%
JPXN	iShares JPX-Nikkei 400 ETF	0.95%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWO	iShares MSCI Austria ETF	64.07
AIA	iShares Asia 50 ETF	63.50
MINV	Matthews Asia Innovators Active ETF	63.11
NORW	Global X MSCI Norway ETF	62.91
DXJ	WisdomTree Japan Hedged Equity Fund	62.43
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	61.53
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	61.12
FDD	First Trust Stoxx European Select Dividend Index Fund	59.95
DISV	Dimensional International Small Cap Value ETF	59.94
AVDV	Avantis International Small Cap Value ETF	59.77

Developed ex-U.S. Monthly Flows



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

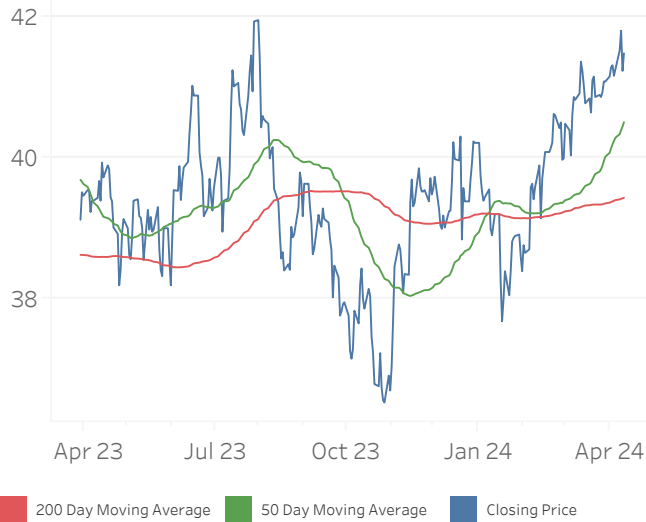
Ticker	Fund	1-Day Performance
EWP	iShares MSCI Spain ETF	-0.86%
EIS	iShares MSCI Israel ETF	-0.81%
DAX	Global X DAX Germany ETF	-0.71%
FEP	First Trust Europe AlphaDEX Fund	-0.59%
EWD	iShares MSCI Sweden ETF	-0.55%
EWC	iShares MSCI Canada ETF	-0.53%
EWI	iShares MSCI Italy ETF	-0.52%
BBCA	JPMorgan BetaBuilders Canada ETF	-0.48%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.45%
GREK	Global X MSCI Greece ETF	-0.40%

Developed ex-U.S. Most Oversold

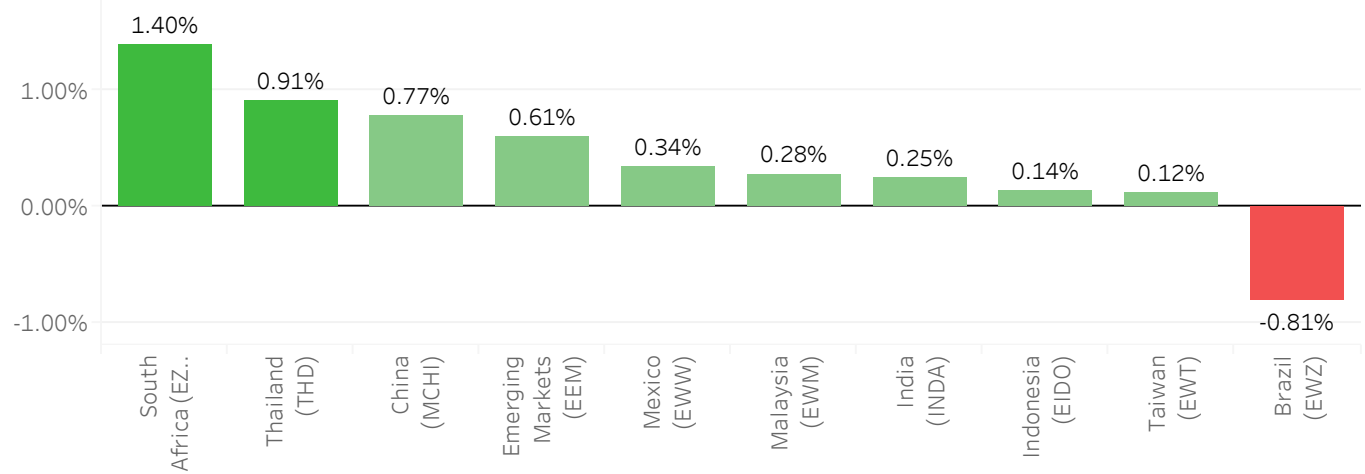
Ticker	Fund	Value
EUDG	WisdomTree Europe Quality Dividend Growth Fund	35.94
IDLV	Invesco S&P International Developed Low Volatility ..	36.58
FICS	First Trust International Developed Capital Strengt..	36.73
EWL	iShares MSCI Switzerland ETF	38.11
EFV	iShares MSCI EAFE Min Vol Factor ETF	38.72
BKCI	BNY Mellon Concentrated International ETF	39.18
EFAD	ProShares MSCI EAFE Dividend Growers ETF	40.46
EIS	iShares MSCI Israel ETF	40.72
ISRA	VanEck Israel ETF	40.78
FSZ	First Trust Switzerland AlphaDEX Fund	40.81

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Emerging (EEM)



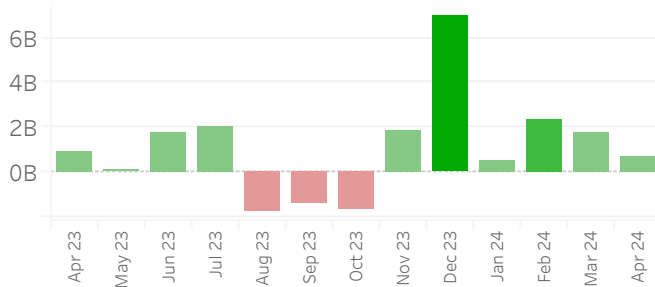
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EZA	iShares MSCI South Africa ETF	1.40%
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	1.19%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	1.09%
DEHP	Dimensional Emerging Markets High Profitability ETF	1.06%
EPU	iShares MSCI Peru and Global Exposure ETF	1.06%
EEMA	iShares MSCI Emerging Markets Asia ETF	1.04%
EYLD	Cambria Emerging Shareholder Yield ETF	1.00%
FXI	iShares China Large-Cap ETF	0.94%
THD	iShares MSCI Thailand ETF	0.91%
MEM	Matthews Emerging Markets Equity Active ETF	0.89%

Emerging Most Overbought

Ticker	Fund	Price
EPU	iShares MSCI Peru and Global Exposure ETF	70.70
ARGT	Global X MSCI Argentina ETF	69.82
EYLD	Cambria Emerging Shareholder Yield ETF	66.70
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	66.26
TUR	iShares MSCI Turkey ETF	65.56
PIE	Invesco Dorsey Wright Emerging Markets Momentu..	65.15
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	64.99
SMIN	iShares MSCI India Small Cap ETF	64.36
INDA	iShares MSCI India ETF	64.34
EPI	WisdomTree India Earnings Fund	63.61

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	-0.91%
EWZ	iShares MSCI Brazil ETF	-0.81%
EPOL	iShares MSCI Poland ETF	-0.33%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.28%
FLLA	Franklin FTSE Latin America ETF	-0.27%
ILF	iShares Latin America 40 ETF	-0.18%
INDY	iShares India 50 ETF	-0.12%
EDIV	SPDR S&P Emerging Markets Dividend ETF	-0.06%
FLN	First Trust Latin America AlphaDEX Fund	0.00%
SMIN	iShares MSCI India Small Cap ETF	0.03%

Emerging Most Oversold

Ticker	Fund	Price
EPHE	iShares MSCI Philippines ETF	34.97
EIDO	iShares MSCI Indonesia ETF	36.22
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	43.17
EWZ	iShares MSCI Brazil ETF	43.27
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	43.75
EWZS	iShares MSCI Brazil Small-Cap ETF	44.53
VNVM	VanEck Vietnam ETF	45.67
CNYA	iShares MSCI China A ETF	45.68
FLLA	Franklin FTSE Latin America ETF	46.58
QAT	iShares MSCI Qatar ETF	47.18

* 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	0.02%	-2.13%	-2.64%
SHY	1-3 Year Treasury Bonds	0.12%	-0.37%	-0.16%
IEF	7-10 Year Treasury Bonds	-0.14%	-3.06%	-3.86%
TLT	20+ Year Treasury Bonds	-0.45%	-5.82%	-8.29%
TIP	TIPS Bonds	-0.09%	-1.48%	-1.56%
FLOT	Floating Rate Bonds	0.00%	0.62%	2.12%
LQD	Investment Grade Corporate	-0.21%	-2.58%	-3.32%
HYG	High Yield Corporate	-0.09%	-0.76%	0.30%
BKLN	Senior Loan	0.00%	0.27%	1.68%
PFF	Preferred & Income Securities	-0.10%	-1.70%	2.49%
MUB	Municipal Bonds	0.06%	-1.54%	-1.30%
MBB	MBS	0.07%	-2.60%	-3.26%
EMB	Dollar Denominated EM Bonds	-0.29%	-0.57%	0.29%
LEMB	Local Currency EM Bond	-0.06%	-1.78%	-2.45%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.26%	5.60%	6.47%
DBE	Energy	-0.47%	6.95%	11.52%
USO	WTI Crude Oil	-0.66%	10.77%	22.36%
BNO	Brent Crude Oil	-0.42%	10.68%	21.46%
UNG	Natural Gas	-5.23%	-5.35%	-26.78%
UGA	Gasoline	0.00%	8.80%	19.96%
DBP	Precious Metals	2.00%	10.45%	16.11%
GLD	Gold	1.94%	8.81%	14.98%
SLV	Silver	2.20%	16.38%	19.42%
PPLT	abrdrn Physical Platin..	1.57%	4.56%	-1.06%
PALL	abrdrn Physical Palla..	-0.09%	1.72%	-4.58%
DBB	Base Metals	0.10%	8.87%	5.96%
CPER	Copper	-0.26%	8.90%	10.48%
DBA	Agriculture	-0.24%	10.82%	21.50%
CORN	Corn	-0.76%	-2.04%	-8.76%
SOYB	Soybeans	-0.24%	-0.64%	-8.33%
WEAT	Wheat	-1.48%	1.34%	-11.06%
CANE	Sugar	-1.79%	-5.41%	1.57%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.07%	2.88%	5.61%
UDN	Short Dollar	-0.11%	-2.22%	-3.04%
FXE	Euro	-0.17%	-1.63%	-2.18%
FXB	British Pound Sterling	0.17%	-1.68%	-0.57%
FXF	Swiss Franc	0.40%	-3.61%	-7.48%
FXJ	Japanese Yen	-0.15%	-4.11%	-8.11%
FXC	Canadian Dollar	0.02%	-1.22%	-2.45%
FXA	Australian Dollar	0.44%	-0.91%	-3.56%

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