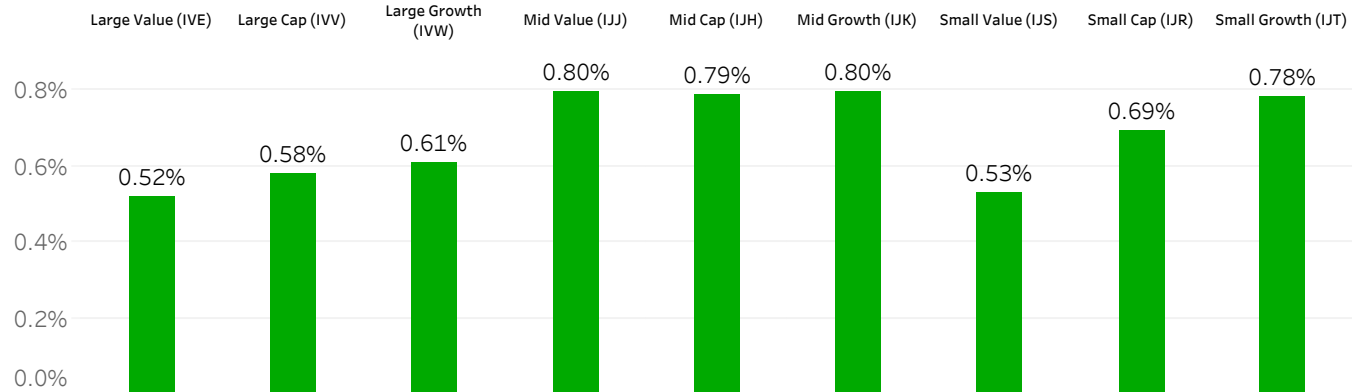


Large Cap Blend (S&P 500) IVV



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
<b>XSVM</b>	Invesco S&P SmallCap Value with Momentum ETF	1.36%
<b>IWC</b>	iShares Micro-Cap ETF	1.34%
<b>OMFS</b>	Invesco Russell 2000 Dynamic Multifactor ETF	1.29%
<b>QVAL</b>	Alpha Architect US Quantitative Value ETF	1.29%
<b>TMFS</b>	Motley Fool Small-Cap Growth ETF	1.22%
<b>MGMT</b>	Ballast Small/Mid Cap ETF	1.19%
<b>SYLD</b>	Cambria Shareholder Yield ETF	1.16%
<b>DWAS</b>	Invesco Dorsey Wright SmallCap Momentum ETF	1.14%
<b>FYC</b>	First Trust Small Cap Growth AlphaDEX Fund	1.13%
<b>JSML</b>	Janus Henderson Small Cap Growth Alpha ETF	1.12%

Size & Style Most Overbought

Ticker	Fund	Price
<b>LSAT</b>	Leadershares Alphafactor Tactical Focused ETF	78.77
<b>COWZ</b>	Pacer US Cash Cows 100 ETF	78.62
<b>WTV</b>	WisdomTree US Value Fund of Benef Interest	75.39
<b>PKW</b>	Invesco Buyback Achievers ETF	74.39
<b>LSAF</b>	LeaderShares AlphaFactor US Core Equity ETF	74.25
<b>RDVY</b>	First Trust Rising Dividend Achievers ETF	74.05
<b>MBOX</b>	Freedom Day Dividend ETF	74.02
<b>TPHD</b>	Timothy Plan High Dividend Stock ETF	73.97
<b>BMVP</b>	Invesco Bloomberg MVP Multi-factor ETF	73.86
<b>TPHE</b>	Timothy Plan High Dividend Stock Enhanced ETF	73.71

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
<b>BUZZ</b>	VanEck Social Sentiment ETF	-1.35%
<b>FFTY</b>	Innovator IBD 50 ETF	-0.81%
<b>IPO</b>	Renaissance IPO ETF	-0.47%
<b>SPC</b>	CrossingBridge Pre-Merger SPAC ETF	-0.02%
<b>DUSA</b>	Davis Select U.S. Equity ETF	0.00%
<b>QQQJ</b>	Invesco NASDAQ Next Gen 100 ETF	0.04%
<b>FTC</b>	First Trust Large Cap Growth AlphaDEX Fund	0.08%
<b>BIBL</b>	Inspire 100 ETF	0.11%
<b>OALC</b>	OneAscent Large Cap Core ETF	0.11%
<b>VTWG</b>	Vanguard Russell 2000 Growth ETF	0.13%

Size & Style Most Oversold

Ticker	Fund	Price
<b>SMLV</b>	SPDR SSGA US Small Cap Low Volatility Index ETF	43.82
<b>SLYV</b>	SPDR S&P 600 Small Cap Value ETF	45.01
<b>SMDV</b>	ProShares Russell 2000 Dividend Growers ETF	45.68
<b>FYT</b>	First Trust Small Cap Value AlphaDEX Fund	46.07
<b>XSLV</b>	Invesco S&P SmallCap Low Volatility ETF	46.19
<b>RZV</b>	Invesco S&P Smallcap 600 Pure Value ETF	46.45
<b>BBSC</b>	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	46.88
<b>VIOV</b>	Vanguard S&P Small-Cap 600 Value ETF	46.89
<b>OMFS</b>	Invesco Russell 2000 Dynamic Multifactor ETF	46.92
<b>IJS</b>	iShares S&P Small-Cap 600 Value ETF	46.98

■ 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	\$1,850B	\$12.64B	\$53.03B	\$137.74B	\$200.83B
Large Cap, Beta, Beta: Growth	10	\$361B	\$3.25B	\$9.03B	\$20.32B	\$25.96B
Large Cap, Beta, Beta: Value	11	\$259B	(\$0.93B)	\$2.96B	\$8.48B	\$2.33B
Mid Cap, Beta, Beta	10	\$224B	(\$1.34B)	\$2.94B	\$2.45B	\$8.09B
Mid Cap, Beta, Beta: Growth	6	\$43B	(\$0.49B)	\$0.60B	\$1.49B	\$2.24B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.92B)	(\$0.80B)	(\$1.35B)	(\$3.53B)
Small Cap, Beta, Beta	11	\$232B	(\$4.01B)	\$3.54B	\$13.59B	\$17.59B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.69B)	\$1.44B	\$2.46B	\$2.70B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.69B)	(\$0.16B)	\$0.32B	(\$1.84B)

### U.S. Size & Style Flow Leaders

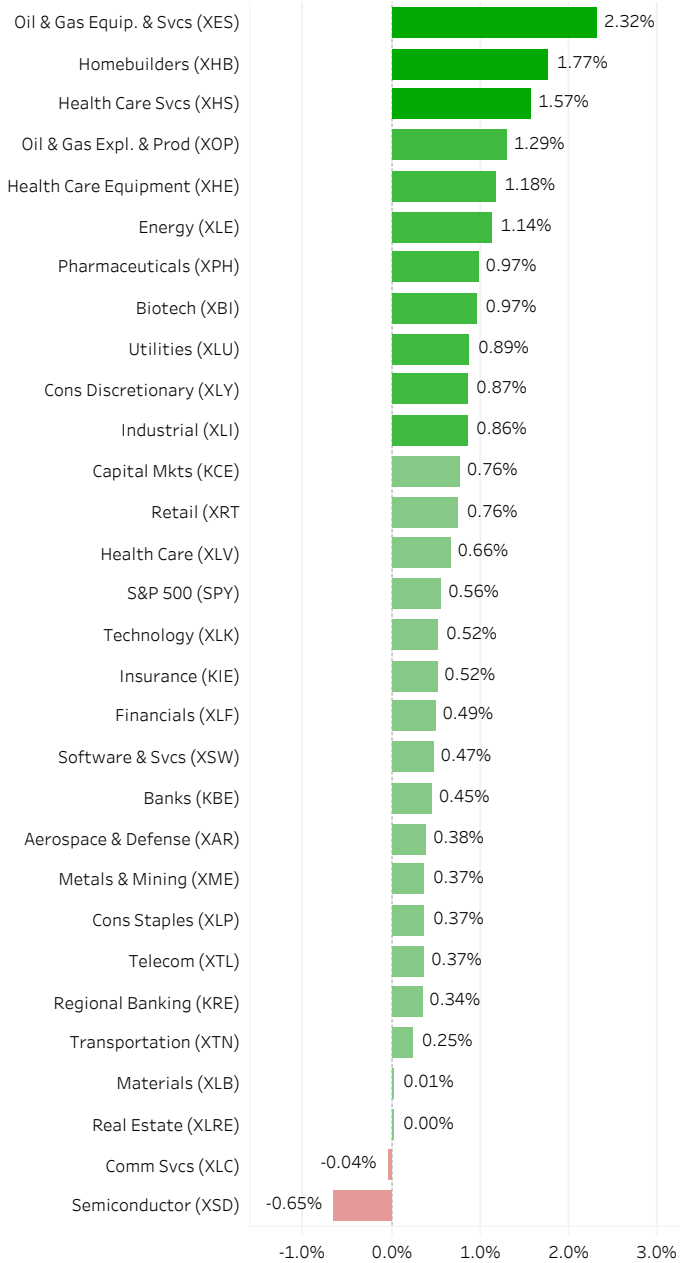
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$22.11B	(\$8.89B)	\$43.70B	\$43.16B	\$523.12B
IVW	iShares S&P 500 Growth ETF	\$4.61B	\$2.41B	\$2.26B	\$4.20B	\$43.30B
QUAL	iShares MSCI USA Quality Factor ETF	\$3.10B	\$2.11B	\$3.24B	\$8.26B	\$41.77B
QQQ	Invesco QQQ Trust Series I	\$2.90B	\$10.38B	\$11.10B	\$20.18B	\$254.51B
DYFN	BlackRock U.S. Equity Factor Rotation ETF	\$2.32B	\$6.43B	\$6.44B	\$6.44B	\$6.69B
VIG	Vanguard Dividend Appreciation ETF	\$1.66B	\$1.25B	\$2.71B	\$1.37B	\$79.15B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.56B	\$0.36B	\$0.83B	\$0.76B	\$33.85B
RPV	Invesco S&P 500 Pure Value ETF	\$0.44B	\$0.31B	\$0.07B	(\$1.20B)	\$2.05B
QQQM	Invesco NASDAQ 100 ETF	\$0.32B	\$3.03B	\$4.86B	\$9.80B	\$22.55B
SCHD	Schwab US Dividend Equity ETF	\$0.25B	\$1.00B	\$1.99B	\$4.80B	\$54.68B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VB	Vanguard Small-Cap ETF	(\$2.62B)	\$3.15B	\$3.95B	\$4.26B	\$54.80B
IWM	iShares Russell 2000 ETF	(\$1.57B)	(\$3.16B)	\$3.65B	\$2.90B	\$60.93B
VO	Vanguard Mid-Cap ETF	(\$1.52B)	\$1.16B	\$2.09B	\$2.35B	\$63.06B
VTV	Vanguard Value ETF	(\$1.38B)	\$1.08B	\$0.90B	(\$2.82B)	\$113.49B
ESGU	iShares ESG Aware MSCI USA ETF	(\$1.17B)	(\$1.83B)	(\$1.95B)	(\$6.11B)	\$12.50B
VUG	Vanguard Growth ETF	(\$1.16B)	\$3.31B	\$5.60B	\$5.40B	\$117.83B
VOE	Vanguard Mid-Cap Value ETF	(\$0.88B)	(\$0.59B)	(\$0.90B)	(\$1.59B)	\$16.36B
VBR	Vanguard Small Cap Value ETF	(\$0.70B)	\$0.19B	\$0.19B	(\$0.32B)	\$27.97B
VBK	Vanguard Small-Cap Growth ETF	(\$0.64B)	\$1.00B	\$1.34B	\$1.62B	\$17.13B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.54B)	\$0.53B	\$0.64B	\$0.80B	\$12.89B

\* 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)
XLI	Industrial Select Sector SPDR Fund	0.00%	27.47%	4.84%	12.76%	68.41
XLC	Communication Services Select Sector SPDR Fund	-0.04%	43.72%	3.47%	14.78%	59.90
SPY	SPDR S&P 500 ETF Trust	-0.21%	27.54%	3.67%	12.40%	61.95
XLF	Financial Select Sector SPDR Fund	-0.22%	30.59%	4.37%	14.79%	70.18
XLB	Materials Select Sector SPDR Fund	-0.65%	21.74%	6.27%	10.16%	70.41
XLE	Energy Select Sector SPDR Fund	-1.26%	20.36%	8.41%	7.70%	76.08
XLV	Health Care Select Sector SPDR Fund	-1.41%	18.39%	1.55%	8.18%	53.42
XLK	Technology Select Sector SPDR Fund	-1.73%	44.04%	2.15%	13.82%	53.05
XLP	Consumer Staples Select Sector SPDR Fund	-2.27%	14.38%	2.59%	5.02%	62.49
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.41%	25.80%	1.59%	6.05%	52.39
XLRE	Real Estate Select Sector SPDR Fund	-4.27%	20.44%	-0.09%	4.15%	45.54
XLU	Utilities Select Sector SPDR Fund	-8.83%	13.53%	3.04%	1.49%	59.65

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.32%
IEZ	iShares U.S. Oil Equipment & Services ETF	2.24%
PXI	Invesco Dorsey Wright Energy Momentum ETF	2.13%
PSCE	Invesco S&P SmallCap Energy ETF	2.03%
ITB	iShares U.S. Home Construction ETF	1.99%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	1.93%
XHB	SPDR S&P Homebuilders ETF	1.77%
PXJ	Invesco Oil & Gas Services ETF	1.66%
PKB	Invesco Building & Construction ETF	1.66%
XHS	SPDR S&P Health Care Services ETF	1.57%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FTXN	First Trust Nasdaq Oil & Gas ETF	81.23
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	81.11
RSPG	Invesco S&P 500 Equal Weight Energy ETF	80.85
VDE	Vanguard Energy ETF	80.01
FXN	First Trust Energy AlphaDEX Fund	79.51
IYE	iShares U.S. Energy ETF	79.29
FCG	First Trust Natural Gas ETF	79.07
IEZ	iShares U.S. Oil Equipment & Services ETF	78.48
PXE	Invesco Energy Exploration & Production ETF	78.19
FXG	First Trust Consumer Staples AlphaDEX Fund	76.78

### Sector & Industry 1 Day Performance Laggards

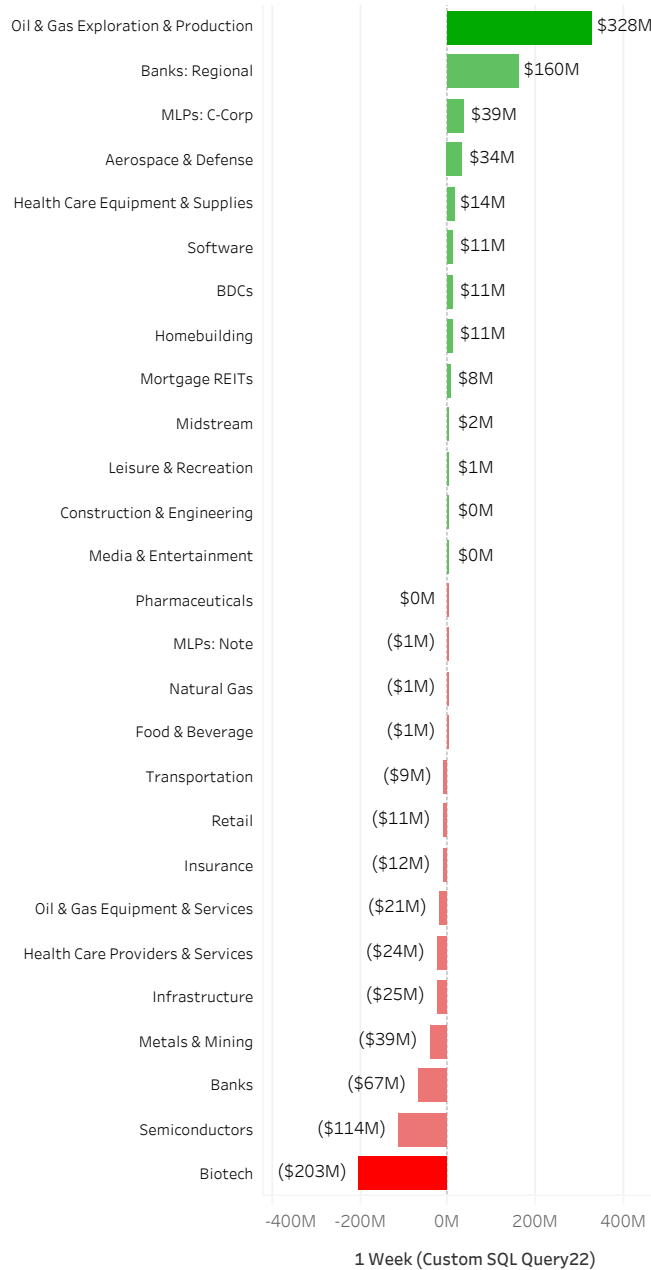
Ticker	Fund	Performance
SOXQ	Invesco PHLX Semiconductor ETF	-0.93%
SOXX	iShares Semiconductor ETF	-0.84%
FTXL	First Trust Nasdaq Semiconductor ETF	-0.67%
PSI	Invesco Semiconductors ETF	-0.65%
XSD	SPDR S&P Semiconductor ETF	-0.65%
IGPT	Invesco AI and Next Gen Software ETF	-0.54%
PTF	Invesco Dorsey Wright Technology Momentum ETF	-0.36%
RSPR	Invesco S&P 500 Equal Weight Real Estate ETF	-0.15%
IYZ	iShares U.S. Telecommunications ETF	-0.14%
PSCT	Invesco S&P SmallCap Information Technology ETF	-0.11%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XTL	SPDR S&P Telecom ETF	34.47
PSCT	Invesco S&P SmallCap Information Technology ETF	36.73
XTN	SPDR S&P Transportation ETF	37.86
KBWR	Invesco KBW Regional Banking ETF	38.69
QABA	First Trust NASDAQ ABA Community Bank Index Fund	39.83
IYZ	iShares U.S. Telecommunications ETF	40.00
XPH	SPDR S&P Pharmaceuticals ETF	40.91
KBWD	Invesco KBW High Dividend Yield Financial ETF	41.43
KRE	SPDR S&P Regional Banking ETF	41.45
KBWY	Invesco KBW Premium Yield Equity REIT ETF	42.02

\* 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	\$23B	(\$87M)	(\$75M)	\$972M	\$3,904M
Consumer Discretionary	12	\$30B	(\$241M)	\$156M	(\$217M)	\$3,198M
Consumer Staples	10	\$26B	\$153M	(\$1,780M)	(\$3,823M)	(\$3,703M)
Energy	30	\$75B	\$544M	(\$1,757M)	(\$969M)	(\$5,446M)
Financials	26	\$64B	(\$863M)	(\$1,234M)	(\$1,739M)	(\$3,963M)
Health Care	23	\$92B	(\$490M)	\$19M	(\$3,633M)	(\$6,370M)
Industrial	13	\$40B	(\$164M)	\$573M	\$513M	\$1,858M
Materials	9	\$12B	\$220M	(\$26M)	(\$1,329M)	(\$3,098M)
Multi-Sector	16	\$23B	(\$65M)	\$932M	\$440M	\$3,206M
Real Estate	25	\$60B	\$237M	\$1,641M	\$3,296M	\$2,100M
Technology	23	\$194B	\$576M	\$4,628M	\$9,897M	\$11,191M
Utilities	9	\$20B	(\$104M)	(\$2,114M)	(\$3,244M)	(\$3,589M)

## U.S. Sector & Industry Flow Leaders

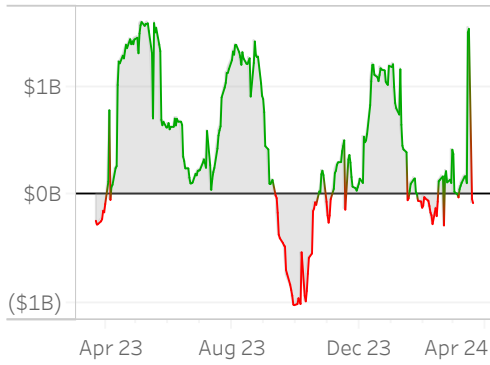
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$318M	\$324M	\$327M	\$157M	\$4,144M
XLK	Technology Select Sector SPDR Fund	\$286M	\$1,171M	\$3,820M	\$3,659M	\$63,929M
XLB	Materials Select Sector SPDR Fund	\$281M	\$331M	(\$342M)	(\$395M)	\$5,731M
IYW	iShares U.S. Technology ETF	\$254M	\$770M	\$2,179M	\$1,156M	\$16,126M
XLE	Energy Select Sector SPDR Fund	\$215M	(\$1,784M)	(\$825M)	(\$3,065M)	\$37,859M
KRE	SPDR S&P Regional Banking ETF	\$168M	(\$793M)	(\$301M)	(\$675M)	\$2,884M
XLP	Consumer Staples Select Sector SPDR Fund	\$151M	(\$1,318M)	(\$2,202M)	(\$1,132M)	\$15,540M
IYR	iShares U.S. Real Estate ETF	\$150M	\$7M	\$1,370M	\$713M	\$4,246M
XLRE	Real Estate Select Sector SPDR Fund	\$112M	\$539M	\$1,221M	\$1,133M	\$5,970M
VGT	Vanguard Information Technology ETF	\$68M	\$1,432M	\$2,389M	\$1,392M	\$64,910M

## U.S. Sector & Industry Flow Laggards

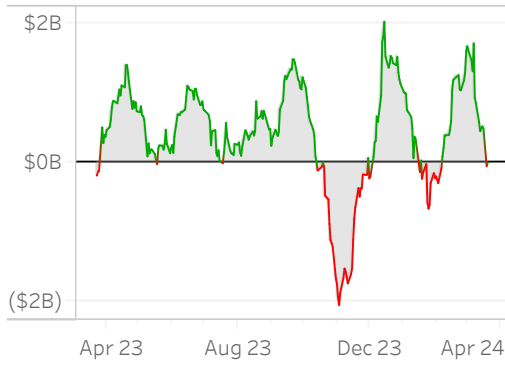
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$951M)	\$286M	(\$722M)	(\$922M)	\$36,789M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$258M)	(\$60M)	(\$226M)	\$2,029M	\$19,465M
XLV	Health Care Select Sector SPDR Fund	(\$254M)	\$101M	(\$2,242M)	(\$2,717M)	\$40,688M
XLI	Industrial Select Sector SPDR Fund	(\$232M)	(\$108M)	(\$267M)	\$874M	\$17,112M
SOXX	iShares Semiconductor ETF	(\$155M)	\$611M	\$578M	\$890M	\$12,418M
XBI	SPDR S&P BIOTECH ETF	(\$122M)	(\$302M)	\$121M	(\$421M)	\$7,344M
XLU	Utilities Select Sector SPDR Fund	(\$119M)	(\$1,999M)	(\$2,377M)	(\$2,341M)	\$12,153M
KBE	SPDR S&P Bank ETF	(\$96M)	(\$259M)	\$250M	\$2M	\$1,584M
XLC	Communication Services Select Sector SPDR Fu..	(\$92M)	(\$171M)	\$976M	\$3,438M	\$17,713M
IBB	iShares Biotechnology ETF	(\$81M)	\$201M	(\$214M)	(\$779M)	\$7,587M

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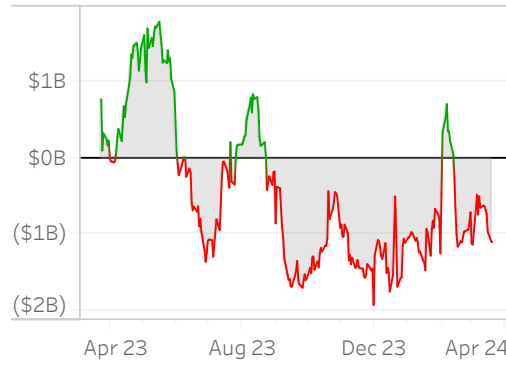
Communication Services



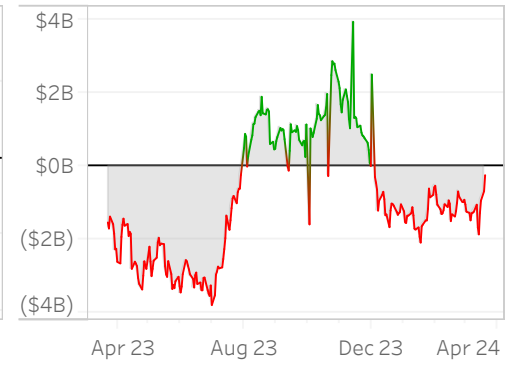
Consumer Discretionary



Consumer Staples



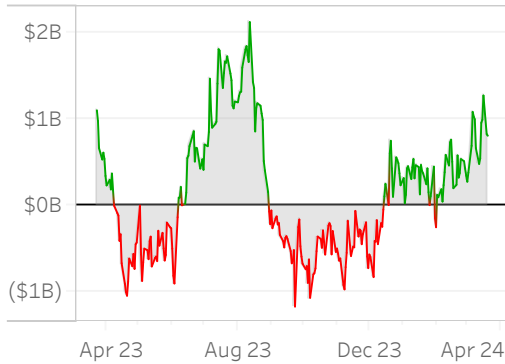
Energy



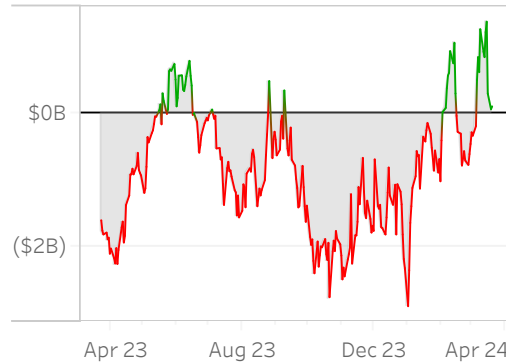
Financials



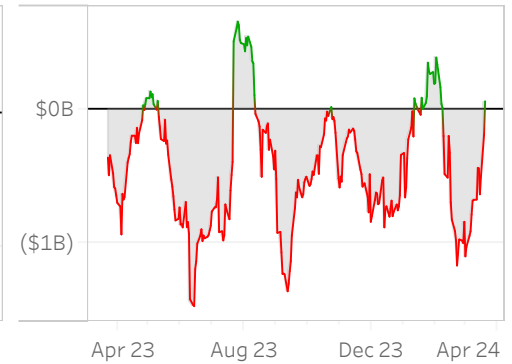
Industrial



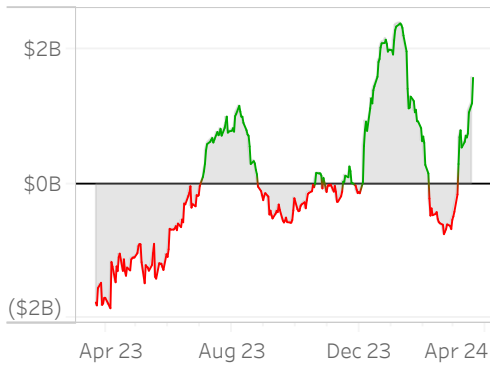
Health Care



Materials



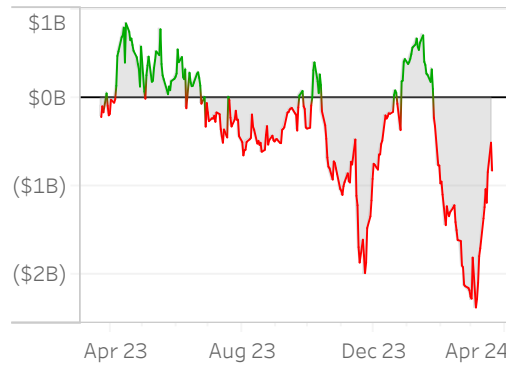
Real Estate



Technology



Utilities

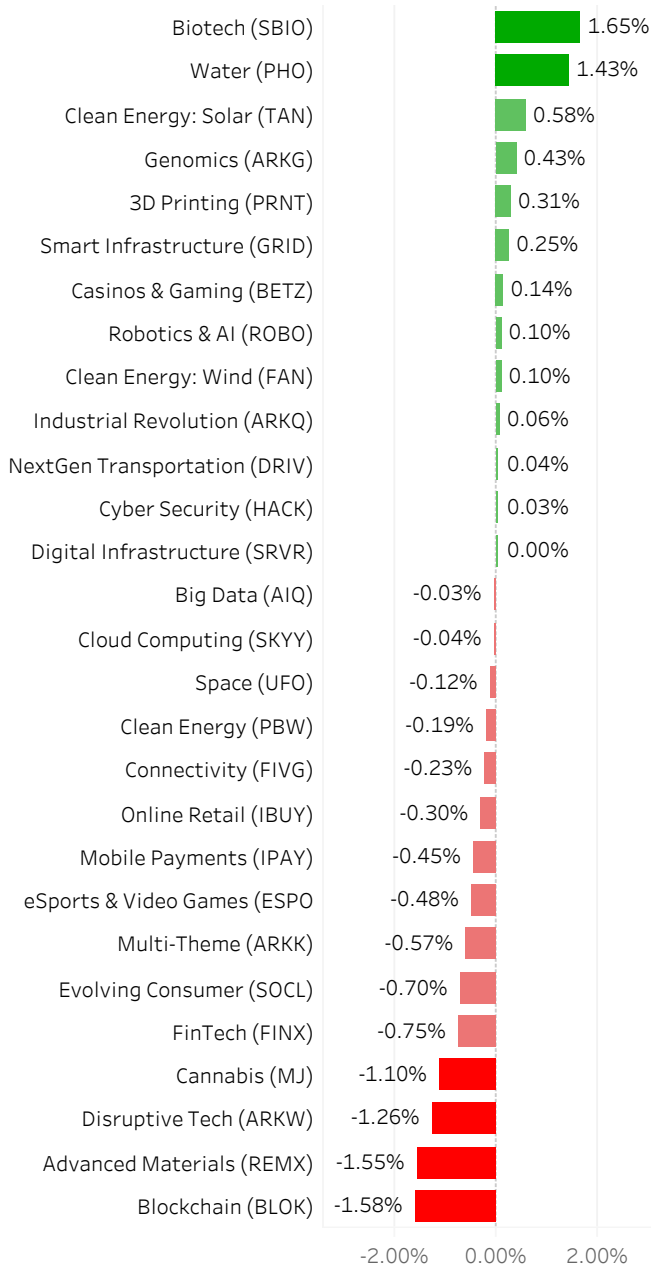


Multi-Sector

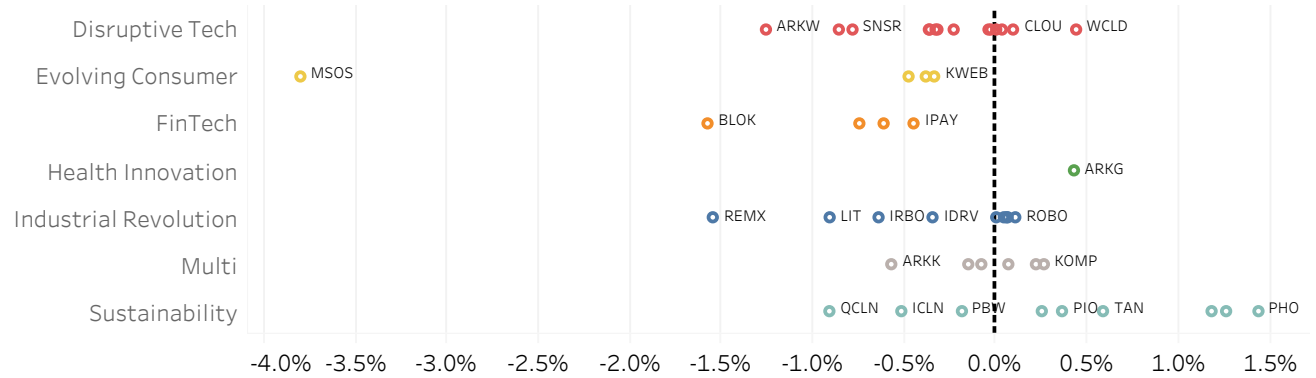


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
SBIO	ALPS Medical Breakthroughs ETF	1.65%
PHO	Invesco Water Resources ETF	1.43%
CGW	Invesco S&P Global Water Index ETF	1.26%
FIW	First Trust Water ETF	1.18%
EBLU	Ecofin Global Water ESG Fund	0.98%
SAMT	Strategas Macro Thematic Opportunities ETF	0.83%
EVX	VanEck Environmental Services ETF	0.78%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	0.72%
IDNA	iShares Genomics Immunology and Healthcare ETF	0.67%
TAN	Invesco Solar ETF	0.58%

Thematic Most Overbought

Ticker	Fund	Price
EVX	VanEck Environmental Services ETF	71.92
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	68.60
EBIZ	Global X E-Commerce ETF	66.66
EBLU	Ecofin Global Water ESG Fund	65.97
CGW	Invesco S&P Global Water Index ETF	65.20
PHO	Invesco Water Resources ETF	64.72
ONLN	ProShares Online Retail ETF	63.76
KLDW	Knowledge Leaders Developed World ETF	63.30
PIO	Invesco Global Water ETF	63.10
SAMT	Strategas Macro Thematic Opportunities ETF	62.55

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
CRPT	First Trust SkyBridge Crypto Industry & Digital Econo..	-4.12%
MSOS	AdvisorShares Pure US Cannabis ETF	-3.81%
BKCH	Global X Blockchain ETF	-2.63%
MJUS	Amplify U.S. Alternative Harvest ETF	-2.38%
BITQ	Bitwise Crypto Industry Innovators ETF	-2.21%
WGMI	Valkyrie Bitcoin Miners ETF	-2.16%
DAPP	VanEck Digital Transformation ETF	-1.87%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-1.65%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-1.63%
BLOK	Amplify Transformational Data Sharing ETF	-1.58%

Thematic Most Oversold

Ticker	Fund	Price
PAWZ	ProShares Pet Care ETF	31.50
PBW	Invesco WilderHill Clean Energy ETF	32.17
ACES	ALPS Clean Energy ETF	35.88
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	36.60
ARKG	ARK Genomic Revolution ETF	38.14
ICLN	iShares Global Clean Energy ETF	38.25
CNRG	SPDR S&P Kensho Clean Power ETF	38.89
SPRX	Spear Alpha ETF	41.86
IHAK	iShares Cybersecurity & Tech ETF	41.98
ERTH	Invesco MSCI Sustainable Future ETF	42.07

\* 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
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$54M
AIQ	Global X Artificial Intelligence & Technology ETF	\$50M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$12M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$11M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M
GNOM	Global X Genomics & Biotechnology ETF	\$6M
BLOK	Amplify Transformational Data Sharing ETF	\$5M
PBW	Invesco WilderHill Clean Energy ETF	\$5M
CNCR	Range Cancer Therapeutics ETF	\$4M
SPRX	Spear Alpha ETF	\$4M

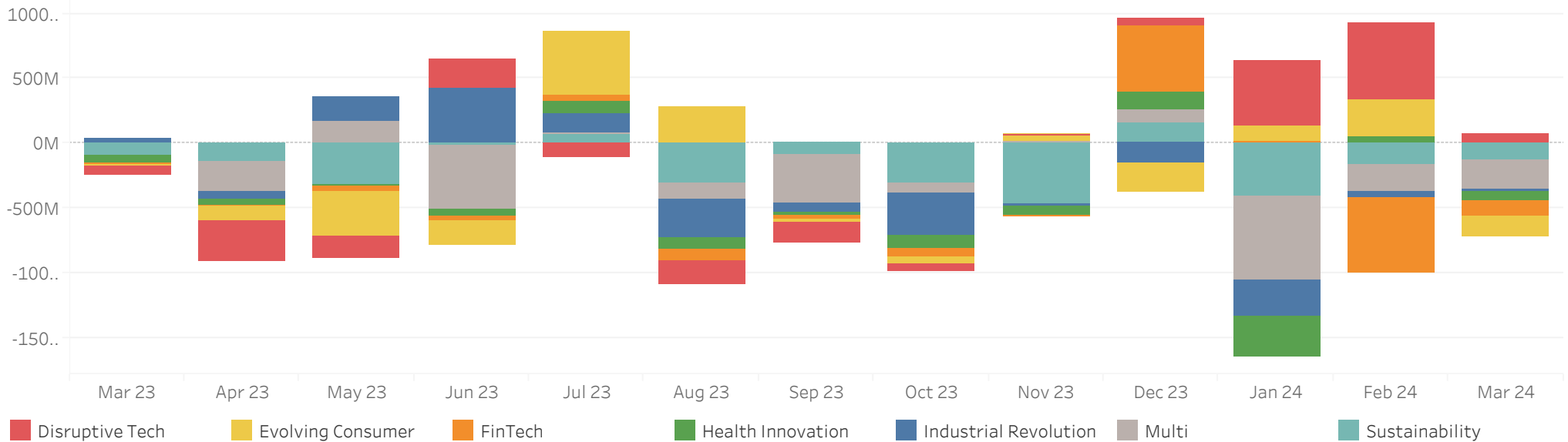
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$62M)
ARKK	ARK Innovation ETF	(\$61M)
KWEB	KraneShares CSI China Internet ETF	(\$38M)
LIT	Global X Lithium & Battery Tech ETF	(\$34M)
ICLN	iShares Global Clean Energy ETF	(\$32M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$18M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$13M)
FINX	Global X FinTech ETF	(\$13M)
XT	iShares Exponential Technologies ETF	(\$12M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$12M)

### Thematic Landscape Assets & Flows

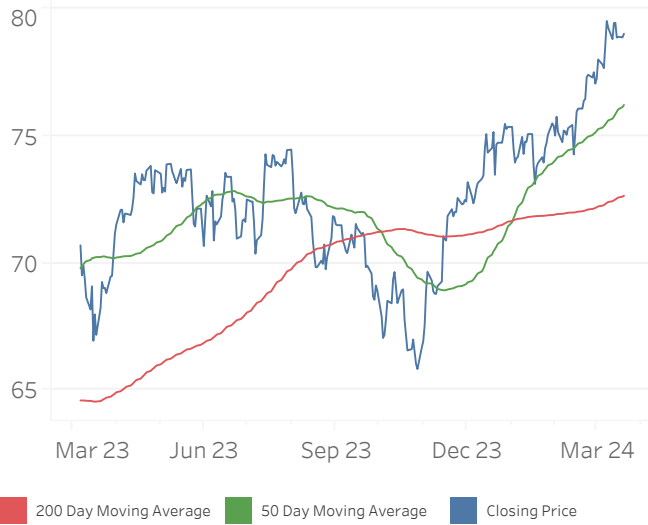
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$22M	\$1,202M	\$1,083M	\$394M
Evolving Consumer	34	\$9B	(\$38M)	\$145M	\$21M	\$145M
FinTech	17	\$3B	(\$12M)	(\$462M)	(\$241M)	(\$444M)
Health Innovation	17	\$2B	\$2M	(\$180M)	(\$310M)	(\$535M)
Industrial Revolution	30	\$10B	\$2M	(\$380M)	(\$880M)	(\$482M)
Multi	33	\$15B	(\$8M)	(\$1,197M)	(\$1,149M)	(\$2,085M)
Sustainability	39	\$12B	(\$44M)	(\$631M)	(\$1,356M)	(\$2,218M)
<b>Grand Total</b>	<b>203</b>	<b>\$72B</b>	<b>(\$75M)</b>	<b>(\$1,503M)</b>	<b>(\$2,832M)</b>	<b>(\$5,226M)</b>

### Thematic Monthly Flows

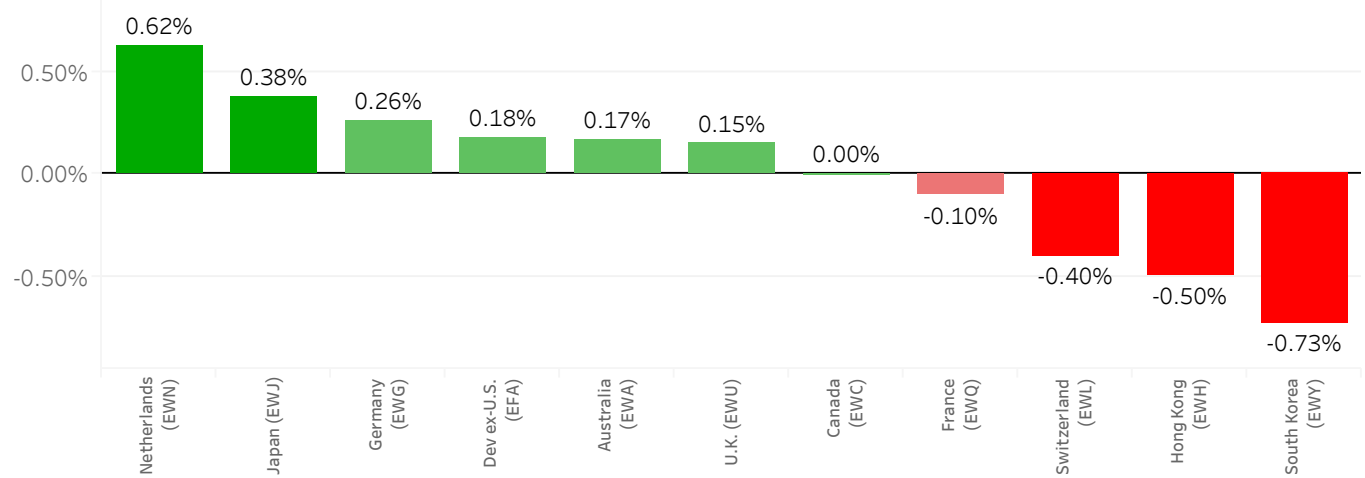


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

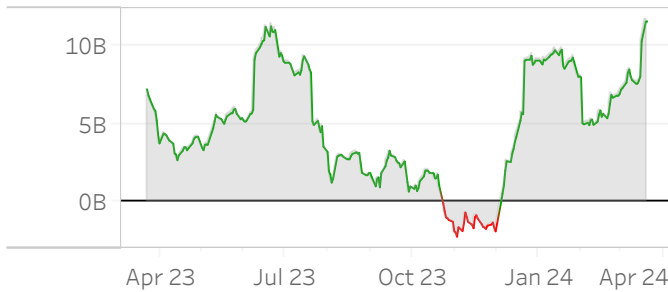
Developed ex-U.S. (EFA)



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



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



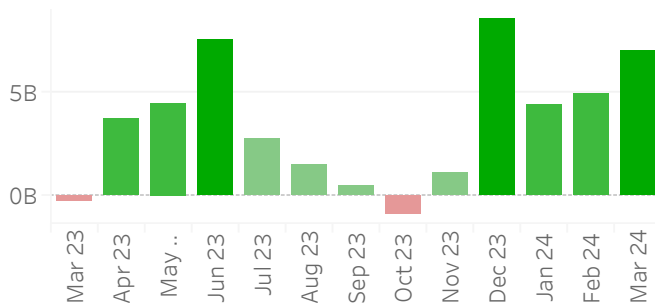
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
DXJ	WisdomTree Japan Hedged Equity Fund	1.57%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	1.42%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.41%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.38%
EWI	iShares MSCI Italy ETF	0.94%
IVAL	Alpha Architect International Quantitative Value ETF	0.79%
EIS	iShares MSCI Israel ETF	0.77%
EWJV	iShares MSCI Japan Value ETF	0.77%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	0.74%
LVHI	Franklin International Low Volatility High Dividend Index ETF	0.69%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWI	iShares MSCI Italy ETF	75.08
IDMO	Invesco S&P International Developed Momentum ETF	71.86
HEFA	iShares Currency Hedged MSCI EAFE ETF	71.61
LVHI	Franklin International Low Volatility High Dividend Index ..	71.53
IMTM	iShares MSCI Intl Momentum Factor ETF	71.02
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	71.00
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	70.93
DFIV	Dimensional International Value ETF	70.21
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	70.01
DXJ	WisdomTree Japan Hedged Equity Fund	69.48

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EWY	iShares MSCI South Korea ETF	-0.73%
MINV	Matthews Asia Innovators Active ETF	-0.73%
FLKR	Franklin FTSE South Korea ETF	-0.71%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.65%
GREK	Global X MSCI Greece ETF	-0.55%
EWH	iShares MSCI Hong Kong ETF	-0.50%
EWL	iShares MSCI Switzerland ETF	-0.40%
AIA	iShares Asia 50 ETF	-0.32%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.22%
GWX	SPDR S&P International Small Cap ETF	-0.12%

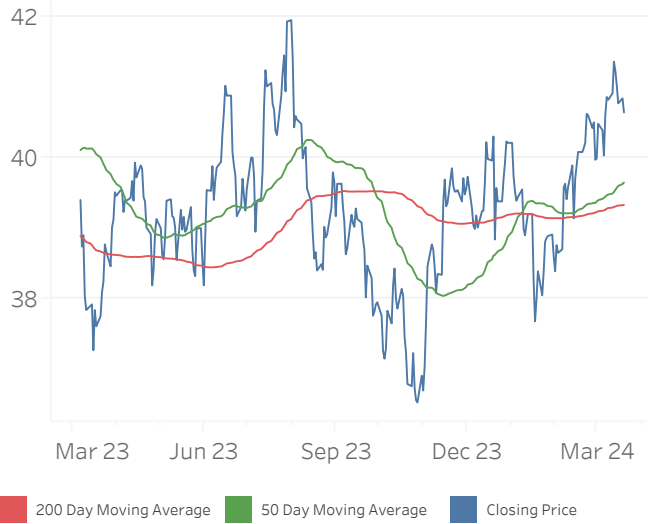
Developed ex-U.S. Most Oversold

Ticker	Fund	Value
ENZL	iShares MSCI New Zealand ETF	42.26
EWH	iShares MSCI Hong Kong ETF	44.06
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	44.74
GREK	Global X MSCI Greece ETF	47.08
EWL	iShares MSCI Switzerland ETF	48.83
IDLV	Invesco S&P International Developed Low Volatility ..	49.40
EPP	iShares MSCI Pacific ex-Japan ETF	49.73
MINV	Matthews Asia Innovators Active ETF	50.32
EWA	iShares MSCI Australia ETF	51.46
ISRA	VanEck Israel ETF	51.75

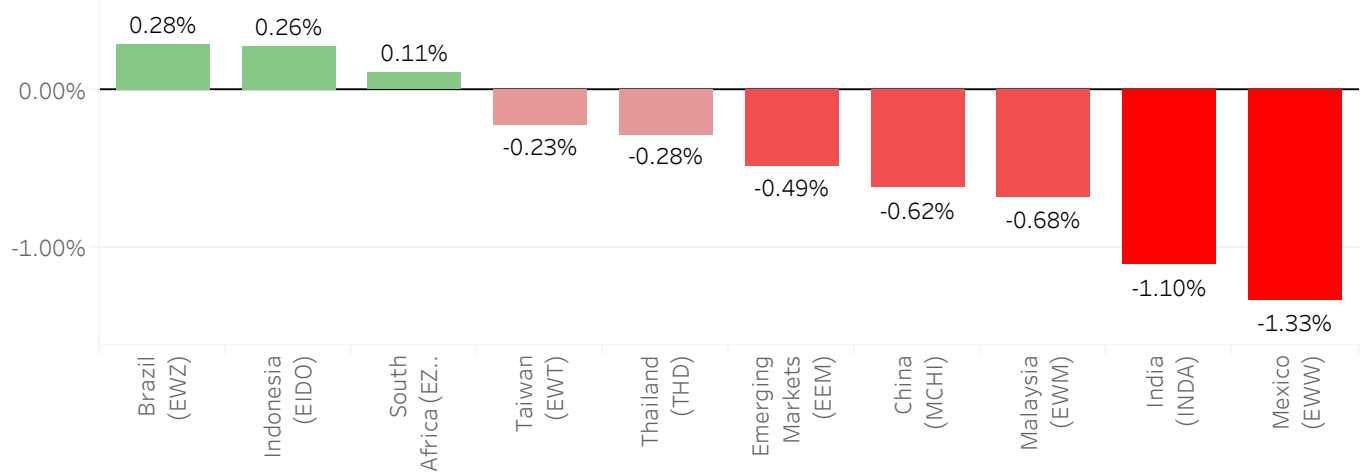
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



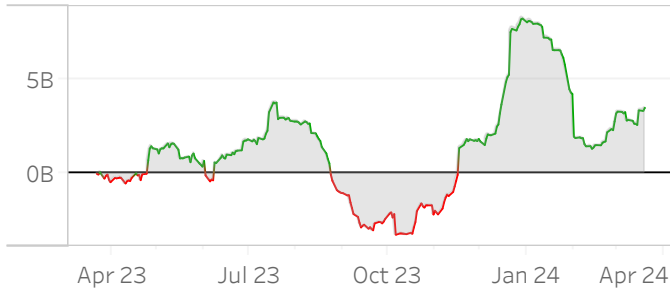
Emerging (EEM)



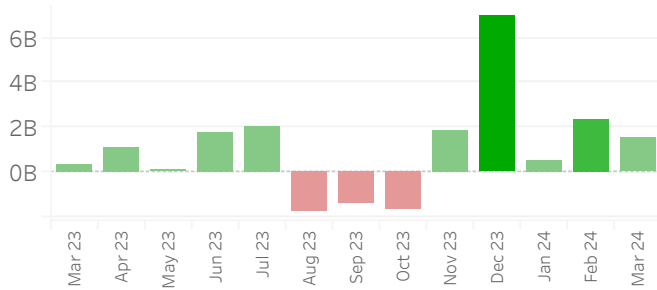
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	1.97%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.68%
QAT	iShares MSCI Qatar ETF	0.61%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.58%
FLBR	Franklin FTSE Brazil ETF	0.41%
EWZ	iShares MSCI Brazil ETF	0.28%
EIDO	iShares MSCI Indonesia ETF	0.26%
NUEM	Nuveen ESG Emerging Markets Equity ETF	0.25%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	0.24%
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	0.24%

Emerging Most Overbought

Ticker	Fund	Value
FM	iShares Frontier and Select EM ETF	72.20
EPU	iShares MSCI Peru and Global Exposure ETF	71.99
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	66.03
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	63.84
QAT	iShares MSCI Qatar ETF	62.57
CNYA	iShares MSCI China A ETF	62.13
FLTW	Franklin FTSE Taiwan ETF	61.21
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	61.13
KSA	iShares MSCI Saudi Arabia ETF	61.11
EDIV	SPDR S&P Emerging Markets Dividend ETF	60.32

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	-2.34%
EPU	iShares MSCI Peru and Global Exposure ETF	-1.41%
EWW	iShares MSCI Mexico ETF	-1.33%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-1.23%
INDY	iShares India 50 ETF	-1.18%
SMIN	iShares MSCI India Small Cap ETF	-1.11%
INDA	iShares MSCI India ETF	-1.10%
PIN	Invesco India ETF	-1.10%
EPI	WisdomTree India Earnings Fund	-1.10%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-1.07%

Emerging Most Oversold

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	33.87
EPI	WisdomTree India Earnings Fund	36.73
GLIN	VanEck India Growth Leaders ETF	39.06
PIN	Invesco India ETF	39.12
INDA	iShares MSCI India ETF	40.13
EWZ	iShares MSCI Brazil ETF	40.59
TUR	iShares MSCI Turkey ETF	40.67
NFTY	First Trust India NIFTY 50 Equal Weight ETF	41.17
FLIN	Franklin FTSE India ETF	41.26
INDY	iShares India 50 ETF	41.39

\* 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	0.25%	0.44%	-1.45%
SHY	1-3 Year Treasury Bonds	0.09%	0.18%	0.01%
IEF	7-10 Year Treasury Bonds	0.29%	0.34%	-2.18%
TLT	20+ Year Treasury Bonds	0.28%	0.49%	-5.44%
TIP	TIPS Bonds	0.14%	0.20%	-1.04%
FLOT	Floating Rate Bonds	0.02%	0.65%	1.71%
LQD	Investment Grade Corporate	0.29%	0.79%	-1.76%
HYG	High Yield Corporate	0.40%	1.42%	1.29%
BKLN	Senior Loan	0.09%	1.16%	1.63%
PFF	Preferred & Income Securities	0.47%	2.18%	4.65%
MUB	Municipal Bonds	0.12%	0.16%	-0.09%
MBB	MBS	0.35%	0.54%	-1.72%
EMB	Dollar Denominated EM Bonds	0.46%	2.26%	0.53%
LEMB	Local Currency EM Bond	-0.03%	0.61%	-1.80%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.24%	4.48%	2.38%
DBE	Energy	0.27%	4.88%	9.25%
USO	WTI Crude Oil	0.58%	6.84%	17.67%
BNO	Brent Crude Oil	0.47%	6.25%	16.44%
UNG	Natural Gas	1.96%	4.34%	-22.88%
UGA	Gasoline	0.56%	7.88%	18.22%
DBP	Precious Metals	-0.21%	7.00%	4.68%
GLD	Gold	-0.11%	7.22%	4.51%
SLV	Silver	-0.52%	6.55%	4.64%
PPLT	abrdrn Physical Platin..	-2.16%	-0.97%	-9.51%
PALL	abrdrn Physical Palla..	-3.46%	4.92%	-9.26%
DBB	Base Metals	-0.94%	4.36%	-1.97%
CPER	Copper	-1.71%	6.21%	4.89%
DBA	Agriculture	-0.72%	8.58%	13.55%
CORN	Corn	0.35%	2.93%	-7.19%
SOYB	Soybeans	0.00%	1.83%	-7.07%
WEAT	Wheat	1.53%	1.34%	-11.22%
CANE	Sugar	-1.96%	-4.22%	5.12%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.25%	0.07%	3.77%
UDN	Short Dollar	-0.19%	0.73%	-1.87%
FXE	Euro	-0.05%	1.02%	-1.07%
FXB	British Pound Sterling	-0.03%	1.25%	0.52%
FXF	Swiss Franc	0.02%	-0.80%	-5.27%
FXJ	Japanese Yen	-1.22%	-0.47%	-6.75%
FXC	Canadian Dollar	-0.20%	-0.29%	-1.78%
FXA	Australian Dollar	-0.37%	0.16%	-3.79%

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