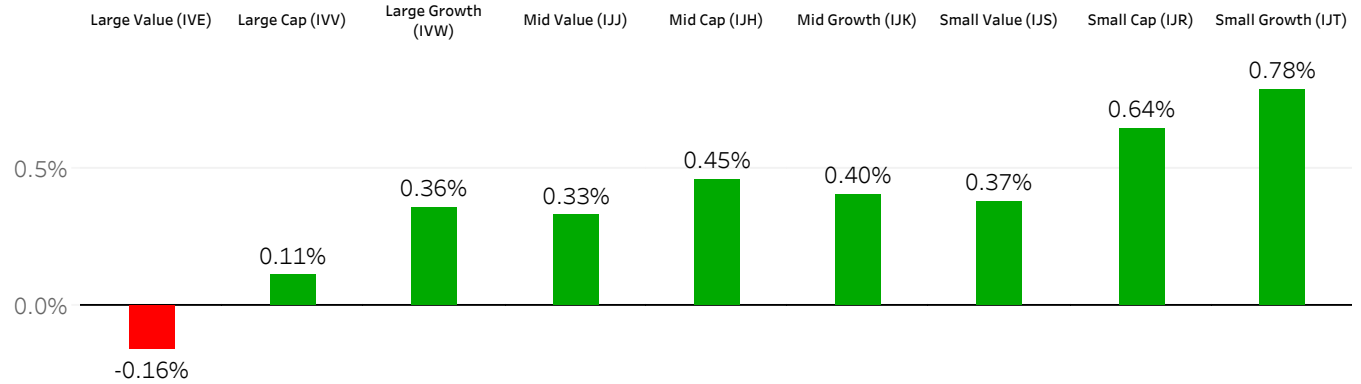


Large Cap Blend (S&P 500) IVV



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
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.36%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.26%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	1.17%
RZGM	Invesco S&P Smallcap 600 Pure Growth ETF	1.11%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	1.08%
FDM	First Trust Dow Jones Select MicroCap Index Fund	1.07%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	1.01%
VIOG	Vanguard S&P Small-Cap 600 Growth ETF	0.97%
FYC	First Trust Small Cap Growth AlphaDEX Fund	0.95%
XSMO	Invesco S&P SmallCap Momentum ETF	0.95%

Size & Style Most Overbought

Ticker	Fund	Price
PWV	Invesco Large Cap Value ETF	78.48
COWZ	Pacer US Cash Cows 100 ETF	73.64
SPVU	Invesco S&P 500 Enhanced Value ETF	73.26
DIVZ	Opal Dividend Income ETF	72.81
ABEQ	Absolute Select Value ETF	71.64
TPHE	Timothy Plan High Dividend Stock Enhanced ETF	70.52
QVAL	Alpha Architect US Quantitative Value ETF	69.27
TPHD	Timothy Plan High Dividend Stock ETF	68.86
AVLV	Avantis U.S. Large Cap Value ETF	68.33
PKW	Invesco Buyback Achievers ETF	68.01

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	-0.65%
DURA	VanEck Durable High Dividend ETF	-0.60%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	-0.55%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.51%
ALTL	Pacer Lunt Large Cap Alternator ETF	-0.46%
EDOW	First Trust Dow 30 Equal Weight ETF	-0.43%
HDV	iShares Core High Dividend ETF	-0.39%
MOAT	VanEck Morningstar Wide Moat ETF	-0.36%
FTCS	First Trust Capital Strength ETF	-0.34%
FVD	First Trust Value Line Dividend Index Fund	-0.34%

Size & Style Most Oversold

Ticker	Fund	Price
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index ..	45.10
XSLV	Invesco S&P SmallCap Low Volatility ETF	45.58
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	46.42
FTCS	First Trust Capital Strength ETF	46.64
NUMG	Nuveen ESG Mid-Cap Growth ETF	46.92
AIEQ	Amplify AI Powered Equity ETF	47.57
TMFS	Motley Fool Small-Cap Growth ETF	47.96
SEIQ	SEI Enhanced U.S. Large Cap Quality Factor ETF	48.19
QQEW	First Trust Nasdaq-100 Equal Weighted Index Fund	48.25
USMC	Principal U.S. Mega-Cap ETF	48.35

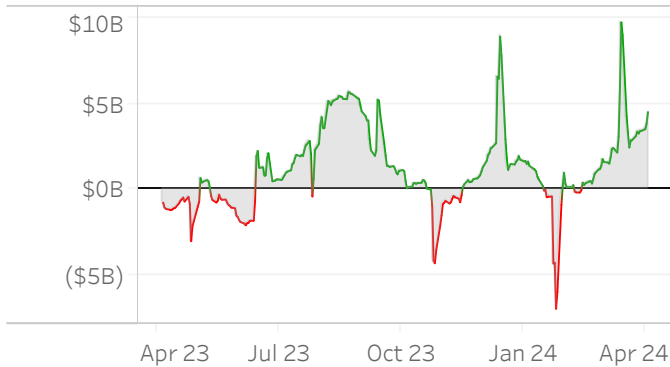
■ Closing Price    ■ 50 Day Moving Average    ■ 200 Day Moving Average

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

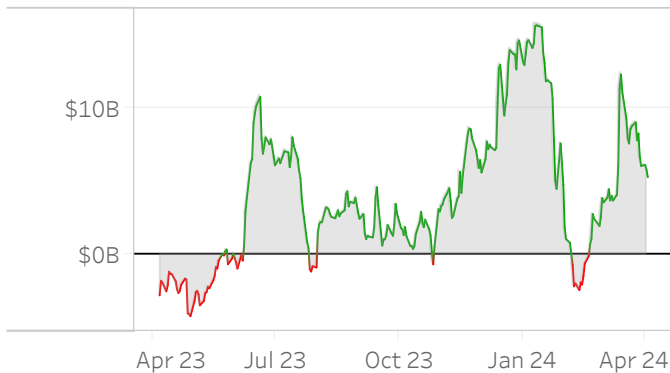
Large-Cap 30-Day Rolling Flows



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	\$1,874B	(\$2.52B)	\$43.97B	\$136.43B	\$209.11B
Large Cap, Beta, Beta: Growth	10	\$362B	(\$0.24B)	\$8.83B	\$18.21B	\$24.16B
Large Cap, Beta, Beta: Value	11	\$262B	(\$0.38B)	\$2.34B	\$8.15B	\$4.64B
Mid Cap, Beta, Beta	10	\$228B	\$0.29B	\$2.98B	\$2.94B	\$9.30B
Mid Cap, Beta, Beta: Growth	6	\$44B	\$0.43B	\$1.16B	\$2.05B	\$2.69B
Mid Cap, Beta, Beta: Value	6	\$42B	(\$0.02B)	(\$1.41B)	(\$1.43B)	(\$2.88B)
Small Cap, Beta, Beta	11	\$237B	(\$0.01B)	(\$0.31B)	\$13.45B	\$22.10B
Small Cap, Beta, Beta: Growth	7	\$40B	(\$0.10B)	\$0.92B	\$2.24B	\$2.78B
Small Cap, Beta, Beta: Value	7	\$54B	(\$0.03B)	(\$0.88B)	\$0.37B	(\$1.29B)

U.S. Size & Style Flow Leaders

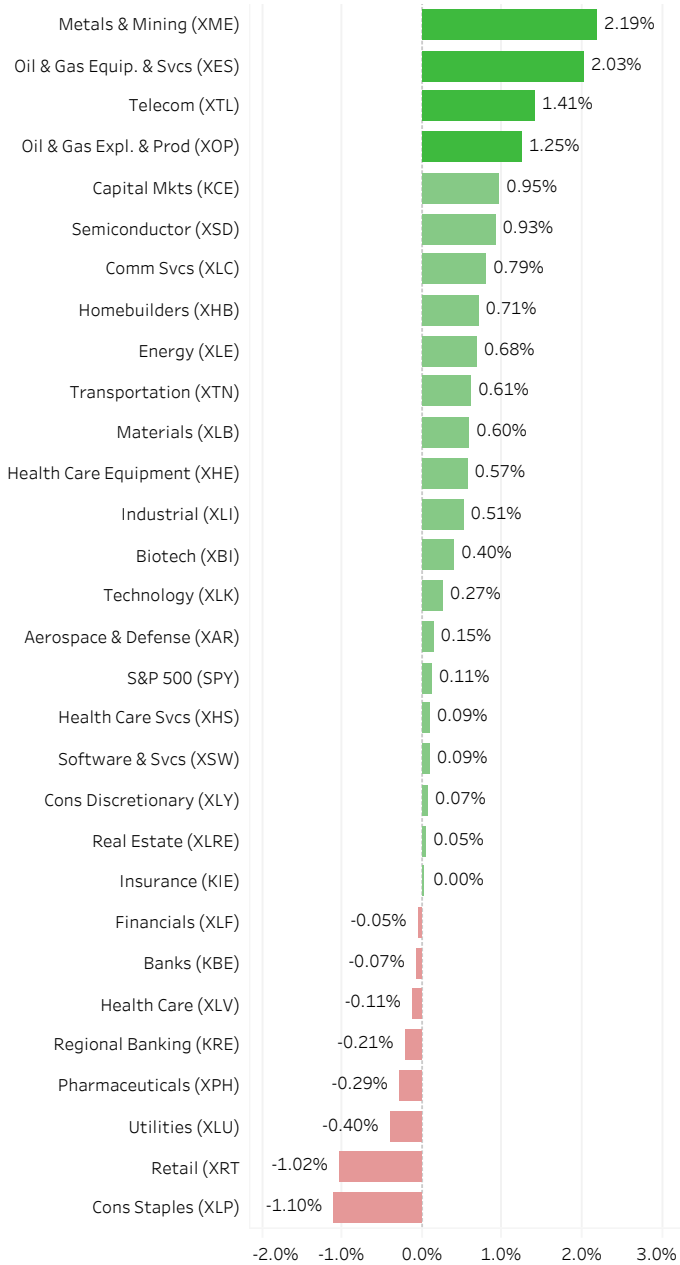
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$2.59B	\$10.11B	\$16.79B	\$28.96B	\$387.90B
VOO	Vanguard S&P 500 ETF	\$1.18B	\$25.92B	\$36.10B	\$62.35B	\$432.87B
COWZ	Pacer US Cash Cows 100 ETF	\$0.57B	\$2.38B	\$4.75B	\$6.36B	\$22.99B
QQQ	Invesco QQQ Trust Series I	\$0.42B	\$7.71B	\$14.56B	\$18.24B	\$257.82B
VTWO	Vanguard Russell 2000 ETF	\$0.36B	\$1.41B	\$2.26B	\$2.58B	\$9.47B
IJK	iShares S&P Mid-Cap 400 Growth ETF	\$0.32B	\$0.34B	\$0.43B	\$0.41B	\$9.59B
JEPQ	JPMorgan NASDAQ Equity Premium Income E..	\$0.28B	\$2.81B	\$5.18B	\$8.67B	\$11.97B
XMHQ	Invesco S&P MidCap Quality ETF	\$0.19B	\$1.28B	\$2.26B	\$3.05B	\$4.59B
IWR	iShares Russell Midcap ETF	\$0.18B	\$0.21B	\$0.39B	\$0.34B	\$33.11B
XMMO	Invesco S&P MidCap Momentum ETF	\$0.15B	\$0.69B	\$0.63B	\$0.62B	\$2.20B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWY	iShares Russell Top 200 Growth ETF	(\$0.69B)	\$0.33B	\$1.02B	\$0.89B	\$9.45B
IWM	iShares Russell 2000 ETF	(\$0.56B)	(\$6.20B)	\$3.29B	\$5.76B	\$63.08B
SYLD	Cambria Shareholder Yield ETF	(\$0.33B)	\$0.10B	\$0.22B	\$0.28B	\$1.22B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.25B)	\$0.12B	(\$0.61B)	(\$2.39B)	\$10.09B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.24B)	(\$0.28B)	\$0.87B	\$0.34B	\$33.57B
DWAS	Invesco Dorsey Wright SmallCap Momentum ..	(\$0.23B)	\$0.10B	\$0.11B	\$0.23B	\$0.90B
IVE	iShares S&P 500 Value ETF	(\$0.20B)	\$3.79B	\$4.24B	\$3.28B	\$33.12B
IWD	iShares Russell 1000 Value ETF	(\$0.20B)	(\$2.79B)	(\$0.66B)	(\$3.08B)	\$55.47B
PDP	Invesco Dorsey Wright Momentum ETF	(\$0.16B)	(\$0.02B)	(\$0.08B)	(\$0.07B)	\$1.25B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.12B)	(\$1.00B)	(\$1.41B)	(\$2.50B)	\$7.50B

\* 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	0.00%	47.53%	3.98%	16.24%	68.39
XLE	Energy Select Sector SPDR Fund	0.00%	26.78%	10.52%	12.39%	82.80
XLB	Materials Select Sector SPDR Fund	-0.01%	24.74%	6.28%	12.03%	71.50
SPY	SPDR S&P 500 ETF Trust	-0.72%	28.45%	2.50%	12.07%	58.21
XLI	Industrial Select Sector SPDR Fund	-0.72%	29.67%	4.11%	13.54%	62.25
XLF	Financial Select Sector SPDR Fund	-1.12%	32.43%	3.55%	14.89%	61.28
XLK	Technology Select Sector SPDR Fund	-1.72%	44.05%	0.76%	12.56%	50.39
XLV	Health Care Select Sector SPDR Fund	-2.59%	16.96%	-0.58%	6.25%	41.32
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.73%	25.24%	0.18%	5.13%	45.81
XLP	Consumer Staples Select Sector SPDR Fund	-3.83%	12.55%	-0.06%	3.21%	41.33
XLRE	Real Estate Select Sector SPDR Fund	-5.11%	19.38%	-0.91%	2.96%	43.22
XLU	Utilities Select Sector SPDR Fund	-6.96%	15.86%	4.16%	3.71%	61.47

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXJ	Invesco Oil & Gas Services ETF	2.34%
PSCE	Invesco S&P SmallCap Energy ETF	2.21%
XME	SPDR S&P Metals & Mining ETF	2.19%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.03%
PXI	Invesco Dorsey Wright Energy Momentum ETF	1.85%
PKB	Invesco Building & Construction ETF	1.80%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.74%
PXE	Invesco Energy Exploration & Production ETF	1.73%
PEJ	Invesco Leisure and Entertainment ETF	1.43%
XTL	SPDR S&P Telecom ETF	1.41%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	85.94
FTXN	First Trust Nasdaq Oil & Gas ETF	85.24
FXN	First Trust Energy AlphaDEX Fund	84.94
RSPG	Invesco S&P 500 Equal Weight Energy ETF	84.48
IYE	iShares U.S. Energy ETF	83.73
FENY	Fidelity MSCI Energy Index ETF	83.20
XLE	Energy Select Sector SPDR Fund	82.80
FCG	First Trust Natural Gas ETF	82.43
PXE	Invesco Energy Exploration & Production ETF	82.40
IEZ	iShares U.S. Oil Equipment & Services ETF	81.92

## Sector & Industry 1 Day Performance Laggards

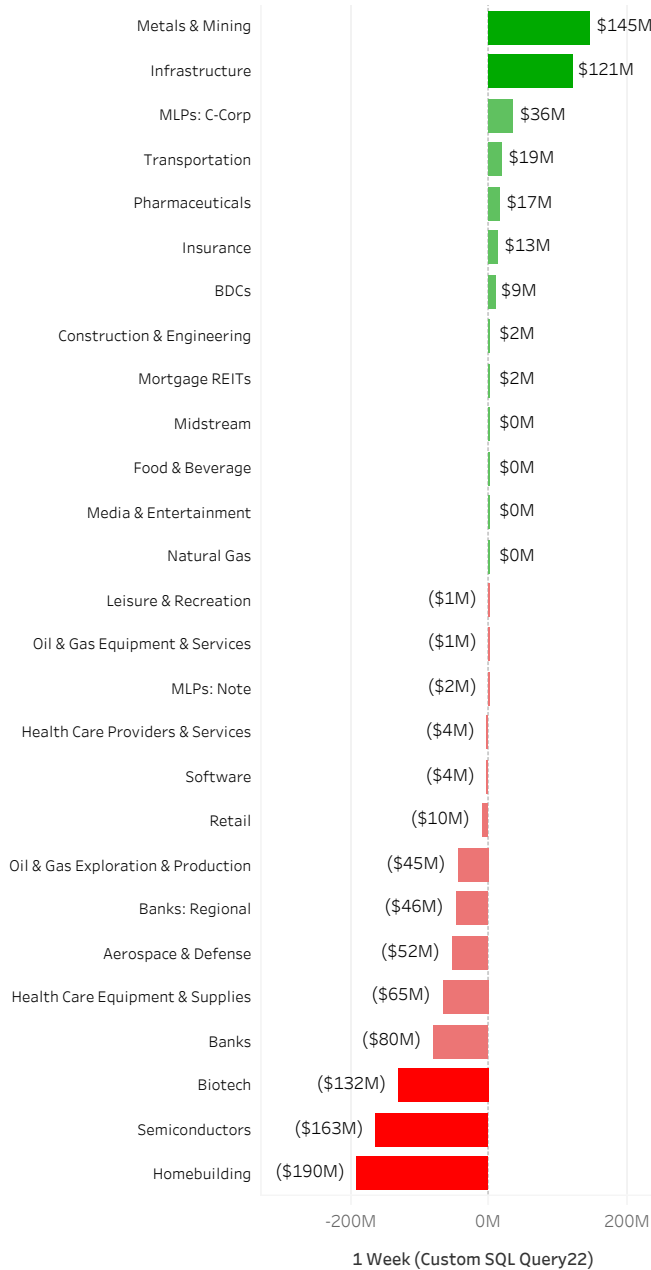
Ticker	Fund	1 Day Performance
PSL	Invesco Dorsey Wright Consumer Staples Momentum ..	-1.44%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPL..	-1.17%
IYK	iShares U.S. Consumer Staples ETF	-1.12%
XLP	Consumer Staples Select Sector SPDR Fund	-1.10%
VDC	Vanguard Consumer Staples ETF	-1.09%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-1.04%
XRT	SPDR S&P Retail ETF	-1.02%
FXG	First Trust Consumer Staples AlphaDEX Fund	-1.00%
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.95%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-0.73%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHF	iShares U.S. Healthcare Providers ETF	35.60
PSCC	Invesco S&P SmallCap Consumer Staples ETF	37.13
PBE	Invesco Biotechnology & Genome ETF	37.95
IBB	iShares Biotechnology ETF	38.00
XPH	SPDR S&P Pharmaceuticals ETF	38.58
PSL	Invesco Dorsey Wright Consumer Staples Momentum ETF	38.62
XBI	SPDR S&P BIOTECH ETF	39.72
IYZ	iShares U.S. Telecommunications ETF	40.68
RSPH	Invesco S&P 500 Equal Weight Health Care ETF	40.81
XLV	Health Care Select Sector SPDR Fund	41.32

\* 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	\$378M	\$479M	\$1,808M	\$3,218M
Consumer Discretionary	12	\$30B	\$155M	\$773M	\$658M	\$2,859M
Consumer Staples	10	\$25B	(\$233M)	(\$1,202M)	(\$3,702M)	(\$4,496M)
Energy	30	\$80B	\$155M	(\$595M)	(\$864M)	(\$4,375M)
Financials	26	\$66B	\$87M	(\$2,121M)	(\$563M)	(\$1,676M)
Health Care	23	\$91B	(\$505M)	(\$495M)	(\$3,534M)	(\$6,357M)
Industrial	13	\$41B	\$230M	\$1,701M	\$1,769M	\$2,384M
Materials	9	\$13B	\$220M	(\$40M)	(\$705M)	(\$2,483M)
Multi-Sector	16	\$24B	(\$78M)	\$1,386M	\$1,270M	\$3,472M
Real Estate	25	\$60B	\$5M	\$1,286M	\$3,674M	\$2,824M
Technology	23	\$197B	(\$253M)	\$6,797M	\$11,556M	\$11,781M
Utilities	9	\$20B	(\$149M)	(\$2,458M)	(\$3,525M)	(\$3,799M)

## U.S. Sector & Industry Flow Leaders

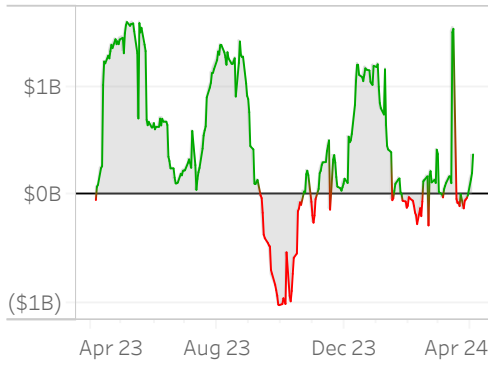
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLC	Communication Services Select Sector SPDR Fu..	\$246M	\$258M	\$1,714M	\$2,736M	\$18,442M
XLF	Financial Select Sector SPDR Fund	\$234M	\$7M	\$304M	\$74M	\$38,261M
XLI	Industrial Select Sector SPDR Fund	\$211M	\$1,065M	\$616M	\$1,257M	\$18,228M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$171M	\$497M	\$594M	\$2,305M	\$19,774M
XME	SPDR S&P Metals & Mining ETF	\$145M	(\$73M)	\$1M	(\$488M)	\$1,967M
PAVE	Global X U.S. Infrastructure Development ETF	\$104M	\$843M	\$781M	\$1,535M	\$7,331M
XLE	Energy Select Sector SPDR Fund	\$102M	(\$619M)	(\$635M)	(\$3,250M)	\$40,663M
VOX	Vanguard Communication Services ETF	\$79M	\$158M	\$0M	\$343M	\$4,101M
XLB	Materials Select Sector SPDR Fund	\$79M	\$115M	(\$34M)	(\$18M)	\$5,831M
VGT	Vanguard Information Technology ETF	\$79M	\$1,924M	\$2,977M	\$2,113M	\$65,444M

## U.S. Sector & Industry Flow Laggards

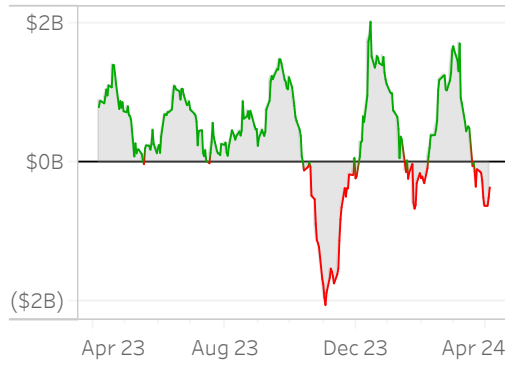
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$226M)	(\$753M)	(\$2,264M)	(\$1,837M)	\$15,217M
XLV	Health Care Select Sector SPDR Fund	(\$207M)	(\$294M)	(\$2,149M)	(\$2,447M)	\$40,093M
XLU	Utilities Select Sector SPDR Fund	(\$196M)	(\$2,386M)	(\$2,743M)	(\$2,650M)	\$12,102M
SOXX	iShares Semiconductor ETF	(\$158M)	\$695M	\$666M	\$706M	\$12,727M
PTF	Invesco Dorsey Wright Technology Momentum ..	(\$124M)	(\$5M)	\$2M	\$71M	\$392M
FHLC	Fidelity MSCI Health Care Index ETF	(\$112M)	(\$126M)	(\$213M)	(\$247M)	\$3,067M
ITB	iShares U.S. Home Construction ETF	(\$108M)	\$470M	\$383M	\$480M	\$3,084M
KCE	SPDR S&P Capital Markets ETF	(\$85M)	(\$63M)	(\$150M)	\$52M	\$237M
XBI	SPDR S&P BIOTECH ETF	(\$85M)	\$98M	\$192M	(\$409M)	\$7,115M
XHB	SPDR S&P Homebuilders ETF	(\$82M)	\$70M	\$330M	\$328M	\$1,936M

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

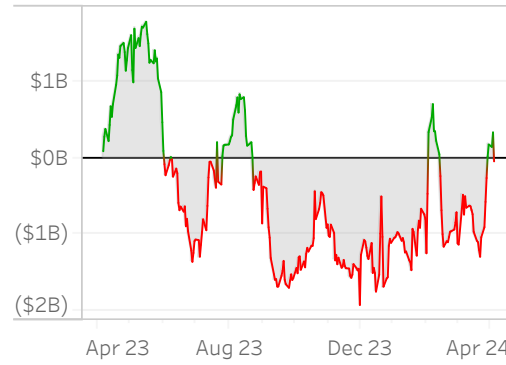
Communication Services



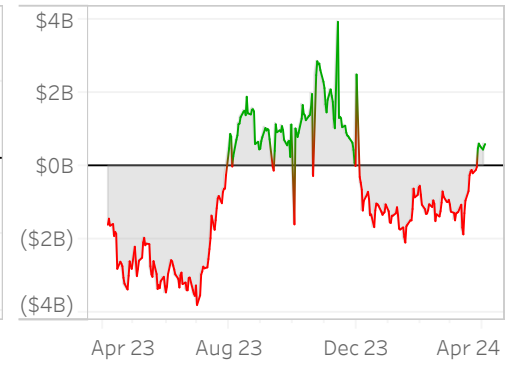
Consumer Discretionary



Consumer Staples



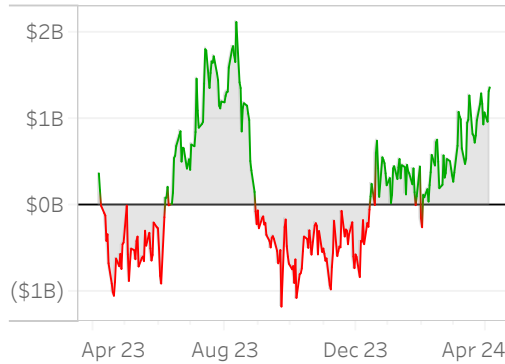
Energy



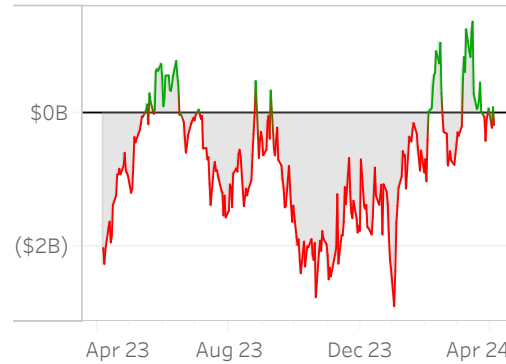
Financials



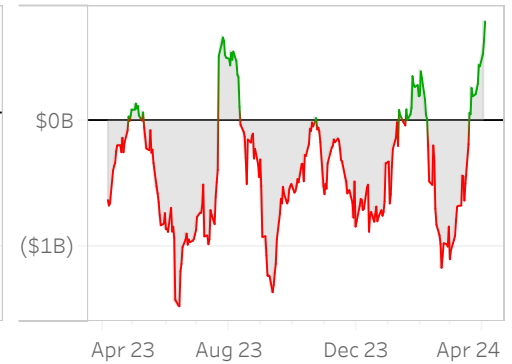
Industrial



Health Care



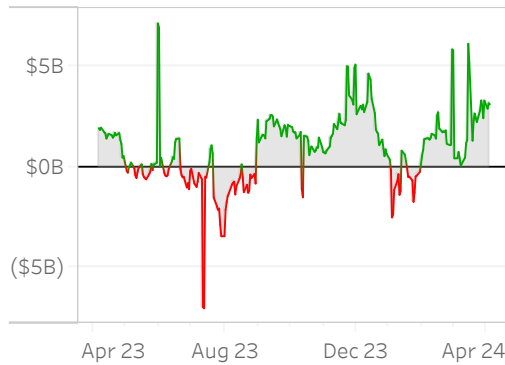
Materials



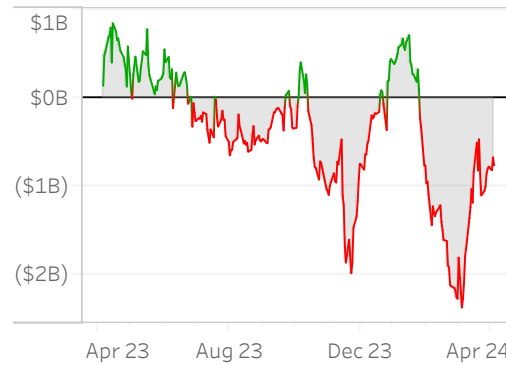
Real Estate



Technology



Utilities

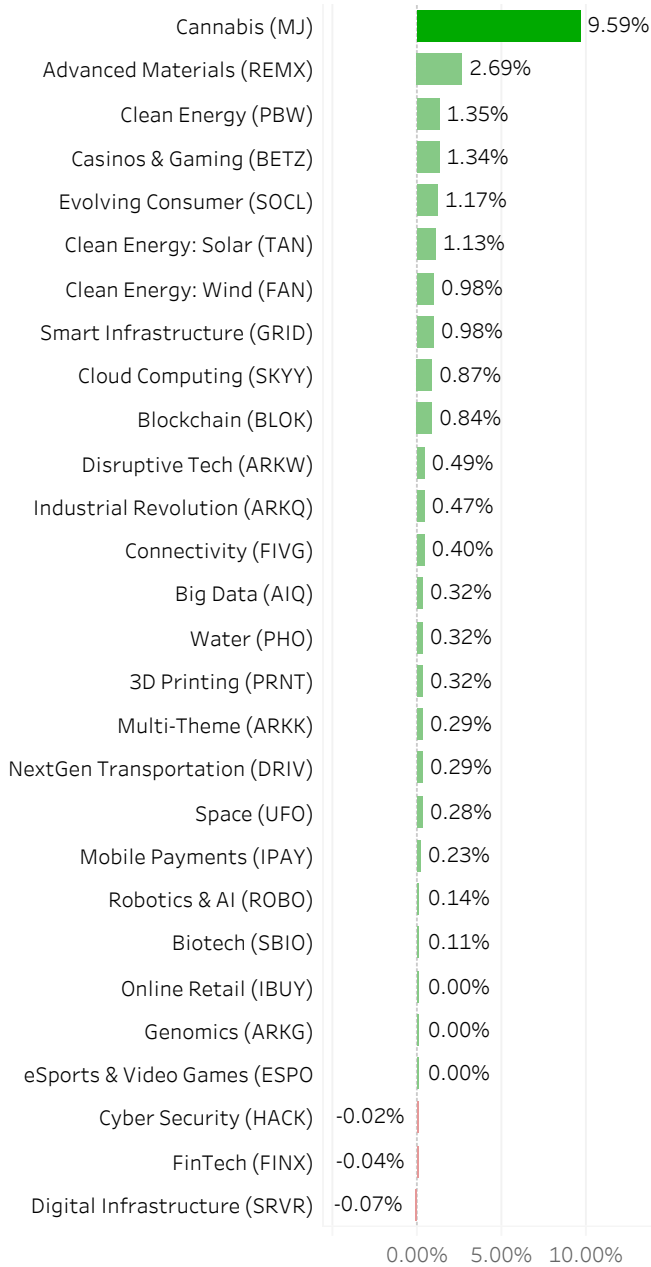


Multi-Sector

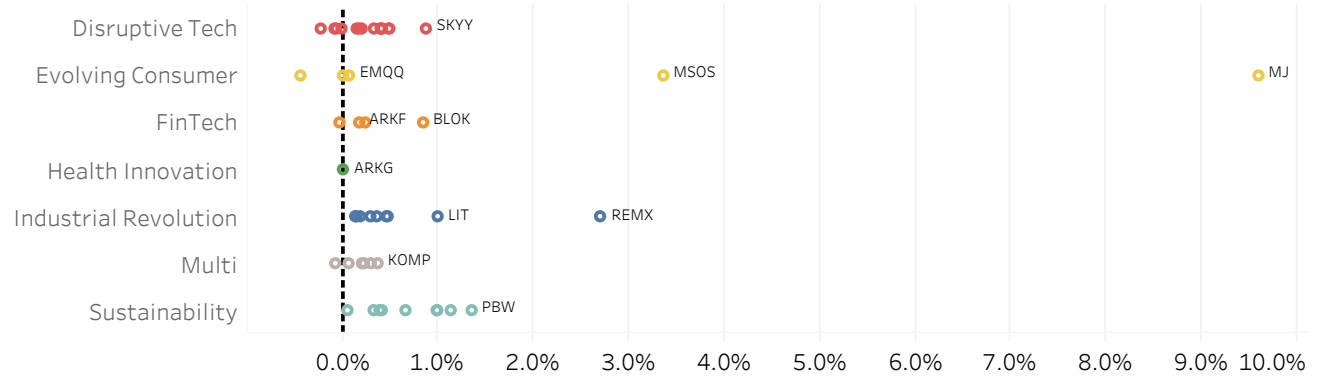


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
MJ	Amplify Alternative Harvest ETF	9.59%
YOLO	AdvisorShares Pure Cannabis ETF	5.29%
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy ..	4.30%
MSOS	AdvisorShares Pure US Cannabis ETF	3.36%
MJUS	Amplify U.S. Alternative Harvest ETF	2.73%
REMX	VanEck Rare Earth/Strategic Metals ETF	2.69%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	2.39%
PBW	Invesco WilderHill Clean Energy ETF	1.35%
BETZ	Roundhill Sports Betting & iGaming ETF	1.34%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	1.29%

Thematic Most Overbought

Ticker	Fund	Value
YOLO	AdvisorShares Pure Cannabis ETF	75.55
MJ	Amplify Alternative Harvest ETF	72.85
SAMT	Strategas Macro Thematic Opportunities ETF	64.74
MSOS	AdvisorShares Pure US Cannabis ETF	63.55
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	62.59
MJUS	Amplify U.S. Alternative Harvest ETF	61.54
LEGR	First Trust Indxx Innovative Transaction & Process ETF	61.16
AWAY	Amplify Travel Tech ETF	60.65
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	60.37
EVX	VanEck Environmental Services ETF	60.27

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
WGM	Valkyrie Bitcoin Miners ETF	-1.53%
BKCH	Global X Blockchain ETF	-1.10%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.72%
GBUY	Goldman Sachs Future Consumer Equity ETF	-0.53%
KWEB	KraneShares CSI China Internet ETF	-0.45%
WCBR	WisdomTree Cybersecurity Fund	-0.32%
GNOM	Global X Genomics & Biotechnology ETF	-0.27%
DTEC	ALPS Disruptive Technologies ETF	-0.26%
CLOU	Global X Cloud Computing ETF	-0.23%
ONLN	ProShares Online Retail ETF	-0.22%

Thematic Most Oversold

Ticker	Fund	Value
ARKG	ARK Genomic Revolution ETF	33.99
GNOM	Global X Genomics & Biotechnology ETF	35.44
SRVR	Pacer Data & Infrastructure Real Estate ETF	36.39
PAWZ	ProShares Pet Care ETF	38.66
WCLD	WisdomTree Cloud Computing Fund	38.78
WCBR	WisdomTree Cybersecurity Fund	39.17
CLOU	Global X Cloud Computing ETF	39.71
EDOC	Global X Telemedicine & Digital Health ETF Registered	39.80
IHAK	iShares Cybersecurity & Tech ETF	39.84
IDNA	iShares Genomics Immunology and Healthcare ETF	40.76

\* 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
HACK	Amplify Cybersecurity ETF	\$48M
AIQ	Global X Artificial Intelligence & Technology ETF	\$39M
MSQS	AdvisorShares Pure US Cannabis ETF	\$24M
ARKW	ARK Next Generation Internet ETF	\$17M
IHAK	iShares Cybersecurity & Tech ETF	\$14M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$14M
THNQ	ROBO Global Artificial Intelligence ETF	\$5M
WGMI	Valkyrie Bitcoin Miners ETF	\$5M
PBW	Invesco WilderHill Clean Energy ETF	\$4M
FFLC	Fidelity Fundamental Large Cap Core ETF	\$3M

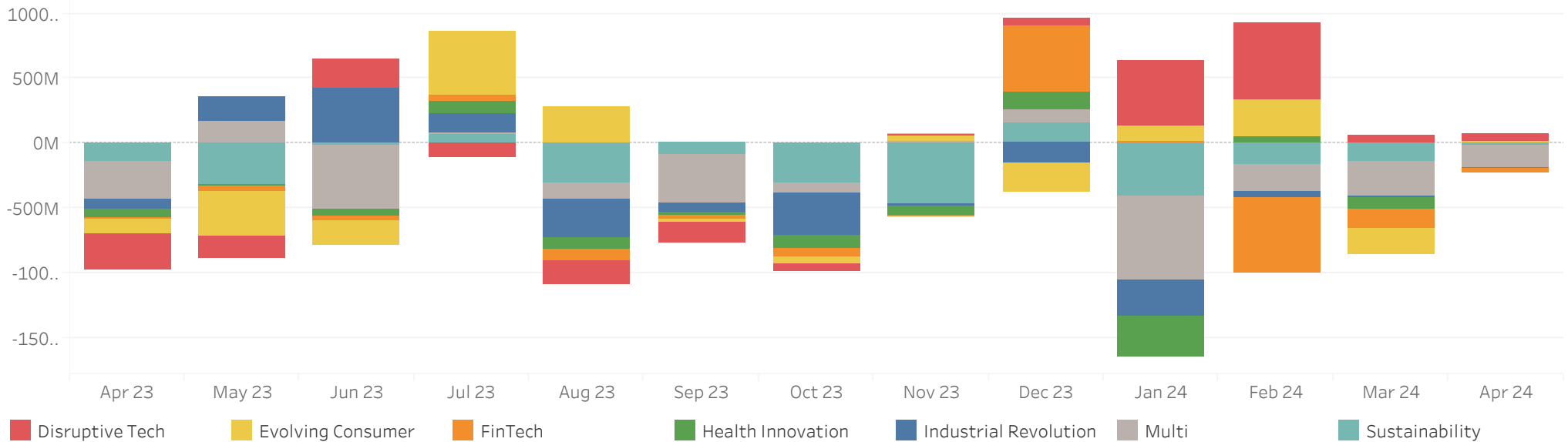
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$215M)
ICLN	iShares Global Clean Energy ETF	(\$43M)
SKYY	First Trust Cloud Computing ETF	(\$29M)
ARKF	ARK Fintech Innovation ETF	(\$19M)
SOCL	Global X Social Media ETF	(\$12M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$12M)
BKCH	Global X Blockchain ETF	(\$7M)
EVX	VanEck Environmental Services ETF	(\$5M)
BUG	Global X Cybersecurity ETF	(\$5M)
LIT	Global X Lithium & Battery Tech ETF	(\$5M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$59M	\$1,195M	\$1,218M	\$540M
Evolving Consumer	34	\$9B	\$10M	\$238M	(\$27M)	\$120M
FinTech	17	\$3B	(\$39M)	(\$744M)	(\$293M)	(\$495M)
Health Innovation	17	\$2B	(\$3M)	(\$370M)	(\$405M)	(\$548M)
Industrial Revolution	29	\$10B	(\$4M)	(\$271M)	(\$819M)	(\$522M)
Multi	33	\$15B	(\$165M)	(\$1,045M)	(\$1,170M)	(\$2,338M)
Sustainability	39	\$12B	(\$22M)	(\$696M)	(\$1,329M)	(\$2,161M)
<b>Grand Total</b>	<b>202</b>	<b>\$72B</b>	<b>(\$164M)</b>	<b>(\$1,693M)</b>	<b>(\$2,824M)</b>	<b>(\$5,405M)</b>

### Thematic Monthly Flows

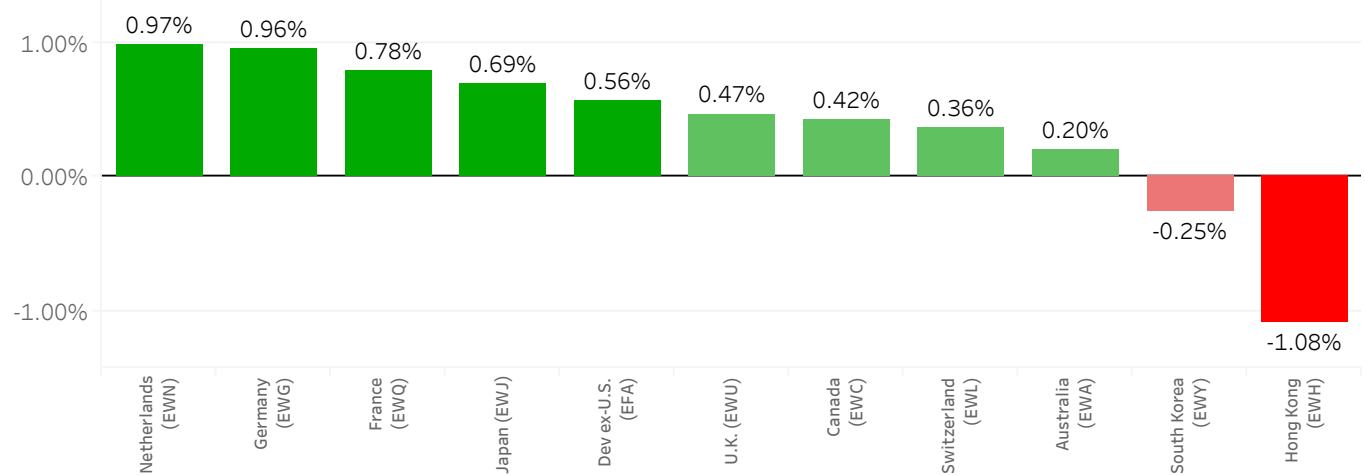


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

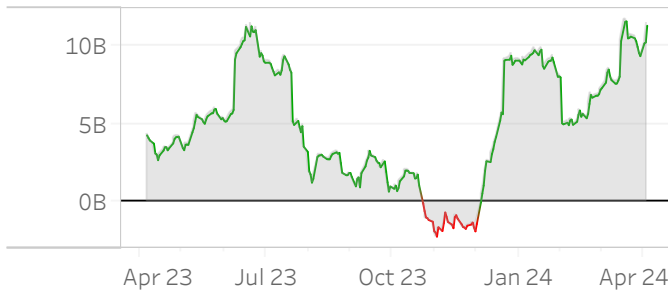
Developed ex-U.S. (EFA)



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



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



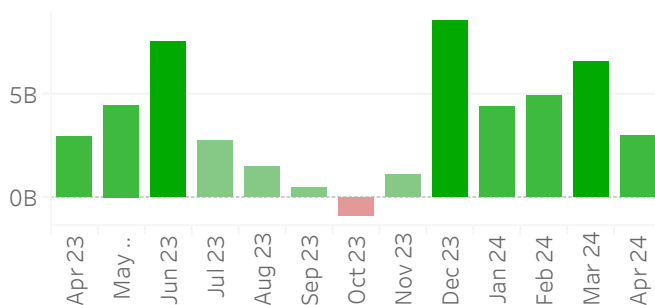
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
FDD	First Trust Stoxx European Select Dividend Index Fund	1.73%
EIRL	iShares MSCI Ireland ETF	1.43%
IMOM	Alpha Architect International Quantitative Momentum ETF	1.38%
FEP	First Trust Europe AlphaDEX Fund	1.37%
DISV	Dimensional International Small Cap Value ETF	1.34%
IDOG	ALPS International Sector Dividend Dogs ETF	1.32%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	1.28%
FYLD	Cambria Foreign Shareholder Yield ETF	1.26%
DAX	Global X DAX Germany ETF	1.22%
IVAL	Alpha Architect International Quantitative Value ETF	1.21%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DFIV	Dimensional International Value ETF	74.05
FDD	First Trust Stoxx European Select Dividend Index Fund	72.68
LVHI	Franklin International Low Volatility High Dividend Index ..	70.47
DISV	Dimensional International Small Cap Value ETF	69.78
AVIV	Avantis International Large Cap Value ETF	69.12
EWO	iShares MSCI Austria ETF	69.02
AVDV	Avantis International Small Cap Value ETF	68.84
EWP	iShares MSCI Spain ETF	68.25
AIA	iShares Asia 50 ETF	67.50
EWU	iShares MSCI United Kingdom ETF	66.94

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EWH	iShares MSCI Hong Kong ETF	-1.08%
EWY	iShares MSCI South Korea ETF	-0.25%
AIA	iShares Asia 50 ETF	-0.23%
BKCI	BNY Mellon Concentrated International ETF	-0.16%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.10%
EPP	iShares MSCI Pacific ex-Japan ETF	-0.07%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.02%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific ex-Japan E..	0.00%
ENZL	iShares MSCI New Zealand ETF	0.00%
LVHI	Franklin International Low Volatility High Dividend Index ..	0.03%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
GREK	Global X MSCI Greece ETF	37.47
EWH	iShares MSCI Hong Kong ETF	39.57
IDLV	Invesco S&P International Developed Low Volatility ..	42.58
EWL	iShares MSCI Switzerland ETF	42.78
BKCI	BNY Mellon Concentrated International ETF	43.17
EFAD	ProShares MSCI EAFE Dividend Growers ETF	43.63
FISD	First Trust International Developed Capital Strengt..	44.15
FSZ	First Trust Switzerland AlphaDEX Fund	46.04
EFAV	iShares MSCI EAFE Min Vol Factor ETF	47.19
EIS	iShares MSCI Israel ETF	48.03

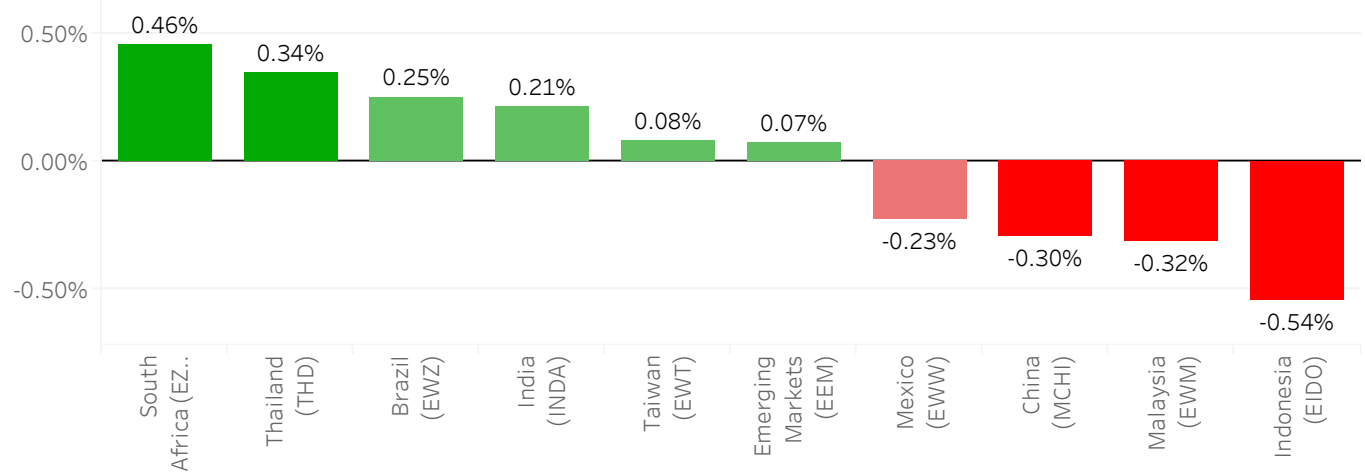
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



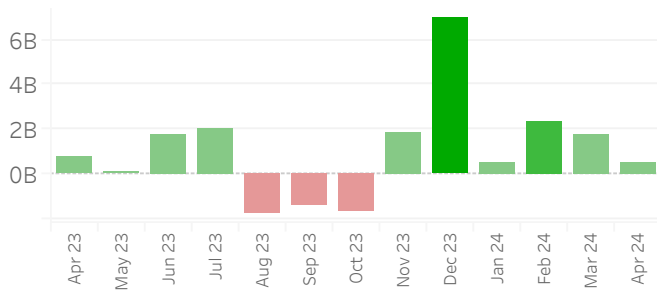
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPU	iShares MSCI Peru and Global Exposure ETF	2.90%
ECH	iShares MSCI Chile ETF	2.37%
KSA	iShares MSCI Saudi Arabia ETF	1.49%
SMIN	iShares MSCI India Small Cap ETF	0.94%
FEM	First Trust Emerging Markets AlphaDEX Fund	0.82%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	0.76%
EPI	WisdomTree India Earnings Fund	0.75%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.75%
EEMS	iShares MSCI Emerging Markets Small Cap ETF	0.65%
EPOL	iShares MSCI Poland ETF	0.55%

Emerging Most Overbought

Ticker	Fund	Value
FM	iShares Frontier and Select EM ETF	83.38
EPU	iShares MSCI Peru and Global Exposure ETF	75.18
DFEV	Dimensional Emerging Markets Value ETF	68.16
PIE	Invesco Dorsey Wright Emerging Markets Momentu..	67.64
MEM	Matthews Emerging Markets Equity Active ETF	67.16
ARGT	Global X MSCI Argentina ETF	67.01
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	66.22
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	65.92
DEHP	Dimensional Emerging Markets High Profitability ETF	65.74
FRDM	Freedom 100 Emerging Markets ETF	65.66

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	-0.94%
FXI	iShares China Large-Cap ETF	-0.61%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.60%
EIDO	iShares MSCI Indonesia ETF	-0.54%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	-0.44%
FDEM	Fidelity Emerging Markets Multifactor ETF	-0.32%
EWM	iShares MSCI Malaysia ETF	-0.32%
EEMA	iShares MSCI Emerging Markets Asia ETF	-0.30%
MCHI	iShares MSCI China ETF	-0.30%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.28%

Emerging Most Oversold

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	31.09
EIDO	iShares MSCI Indonesia ETF	34.54
THD	iShares MSCI Thailand ETF	41.04
KWT	iShares MSCI Kuwait ETF	42.13
EWZ	iShares MSCI Brazil ETF	43.96
FLZS	iShares MSCI Brazil Small-Cap ETF	44.13
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	44.36
EPHE	iShares MSCI Philippines ETF	46.06
EELV	Invesco S&P Emerging Markets Low Volatility ETF	46.70
DVYE	iShares Emerging Markets Dividend ETF	47.60

\* 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	0.06%	-0.32%	-1.47%
SHY	1-3 Year Treasury Bonds	0.07%	0.06%	0.19%
IEF	7-10 Year Treasury Bonds	0.12%	-0.73%	-2.28%
TLT	20+ Year Treasury Bonds	-0.02%	-2.26%	-6.04%
TIP	TIPS Bonds	0.00%	-0.35%	-0.69%
FLOT	Floating Rate Bonds	0.06%	0.60%	2.00%
LQD	Investment Grade Corporate	0.07%	-0.12%	-1.89%
HYG	High Yield Corporate	0.08%	0.21%	1.01%
BKLN	Senior Loan	-0.05%	0.60%	1.73%
PFF	Preferred & Income Securities	0.31%	0.69%	4.21%
MUB	Municipal Bonds	-0.07%	-0.83%	-0.84%
MBB	MBS	0.02%	-0.27%	-1.79%
EMB	Dollar Denominated EM Bonds	0.21%	1.23%	1.37%
LEMB	Local Currency EM Bond	0.50%	0.03%	-1.55%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.47%	6.57%	5.69%
DBE	Energy	0.75%	6.53%	11.36%
USO	WTI Crude Oil	0.57%	8.39%	21.91%
BNO	Brent Crude Oil	0.49%	8.45%	20.29%
UNG	Natural Gas	-0.13%	-5.85%	-23.77%
UGA	Gasoline	0.04%	6.58%	18.96%
DBP	Precious Metals	1.40%	11.55%	11.85%
GLD	Gold	0.88%	10.29%	11.28%
SLV	Silver	3.73%	16.82%	13.54%
PPLT	abrdrn Physical Platin..	1.57%	5.89%	-5.32%
PALL	abrdrn Physical Palla..	2.13%	7.24%	-7.11%
DBB	Base Metals	3.07%	8.17%	2.79%
CPER	Copper	3.21%	9.75%	9.15%
DBA	Agriculture	-0.24%	11.26%	19.09%
CORN	Corn	0.56%	3.06%	-7.79%
SOYB	Soybeans	0.96%	4.03%	-6.74%
WEAT	Wheat	1.51%	2.48%	-10.05%
CANE	Sugar	-1.49%	3.59%	6.98%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.46%	0.96%	4.50%
UDN	Short Dollar	0.72%	-0.06%	-2.12%
FXE	Euro	0.65%	0.21%	-1.21%
FXB	British Pound Sterling	0.51%	0.21%	0.02%
FXF	Swiss Franc	0.54%	-2.19%	-6.82%
FXJ	Japanese Yen	-0.07%	-0.99%	-7.17%
FXC	Canadian Dollar	0.26%	0.50%	-1.40%
FXA	Australian Dollar	0.72%	0.63%	-3.31%

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