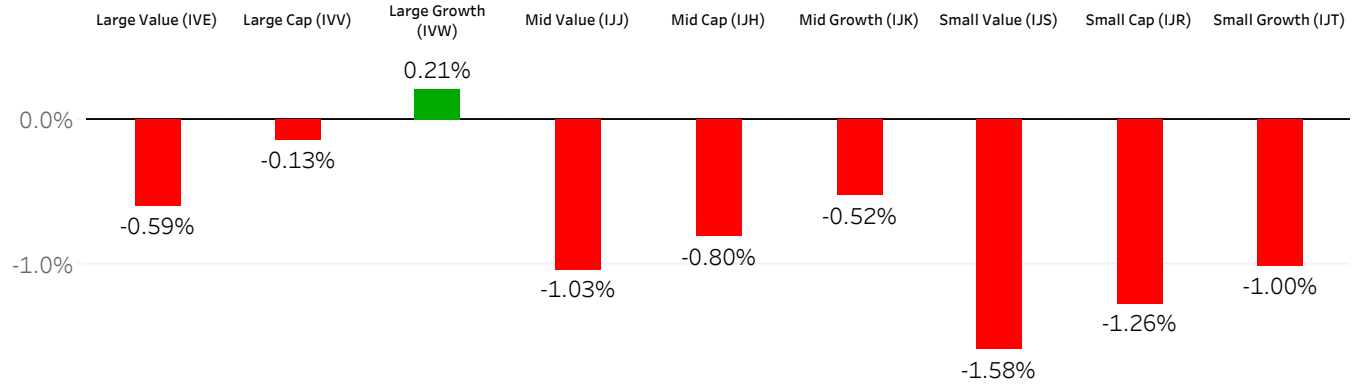


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|---|-------------|
| SPUS | SP Funds S&P 500 Sharia Industry Exclusions ETF | 0.24% |
| SPYG | SPDR Portfolio S&P 500 Growth ETF | 0.22% |
| IVW | iShares S&P 500 Growth ETF | 0.21% |
| ONEQ | Fidelity Nasdaq Composite Index ETF | 0.20% |
| QQH | HCM Defender 100 Index ETF | 0.20% |
| IWY | iShares Russell Top 200 Growth ETF | 0.19% |
| SCHG | Schwab U.S. Large-Cap Growth ETF | 0.19% |
| XLG | Invesco S&P 500 Top 50 ETF | 0.19% |
| OALC | OneAscent Large Cap Core ETF | 0.18% |
| TMFC | Motley Fool 100 Index ETF | 0.17% |

Size & Style Most Overbought

| Ticker | Fund | Price |
|--------|---|-------|
| LSAT | Leadershares Alphafactor Tactical Focused ETF | 80.64 |
| LSAF | LeaderShares AlphaFactor US Core Equity ETF | 76.95 |
| COWZ | Pacer US Cash Cows 100 ETF | 76.91 |
| PKW | Invesco Buyback Achievers ETF | 75.48 |
| SPVU | Invesco S&P 500 Enhanced Value ETF | 74.65 |
| PWV | Invesco Large Cap Value ETF | 74.37 |
| TPHE | Timothy Plan High Dividend Stock Enhanced ETF | 74.07 |
| TPHD | Timothy Plan High Dividend Stock ETF | 74.07 |
| BMVP | Invesco Bloomberg MVP Multi-factor ETF | 73.20 |
| AVLV | Avantis U.S. Large Cap Value ETF | 72.92 |

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|--|-------------|
| OMFS | Invesco Russell 2000 Dynamic Multifactor ETF | -1.86% |
| RZV | Invesco S&P Smallcap 600 Pure Value ETF | -1.78% |
| DWAS | Invesco Dorsey Wright SmallCap Momentum ETF | -1.72% |
| FYT | First Trust Small Cap Value AlphaDEX Fund | -1.61% |
| IJS | iShares S&P Small-Cap 600 Value ETF | -1.58% |
| SLYV | SPDR S&P 600 Small Cap Value ETF | -1.57% |
| VIOV | Vanguard S&P Small-Cap 600 Value ETF | -1.53% |
| SVAL | iShares US Small Cap Value Factor ETF | -1.53% |
| IWN | iShares Russell 2000 Value ETF | -1.51% |
| CSML | IndexIQ ETF Trust IQ U.S. Small Cap ETF | -1.50% |

Size & Style Most Oversold

| Ticker | Fund | Price |
|--------|--|-------|
| XSLV | Invesco S&P SmallCap Low Volatility ETF | 50.32 |
| OMFS | Invesco Russell 2000 Dynamic Multifactor ETF | 50.39 |
| SMDV | ProShares Russell 2000 Dividend Growers ETF | 50.69 |
| IJS | iShares S&P Small-Cap 600 Value ETF | 50.84 |
| SLYV | SPDR S&P 600 Small Cap Value ETF | 51.16 |
| VIOV | Vanguard S&P Small-Cap 600 Value ETF | 51.75 |
| SMLV | SPDR SSGA US Small Cap Low Volatility Index ETF | 51.83 |
| RZV | Invesco S&P Smallcap 600 Pure Value ETF | 52.05 |
| FYT | First Trust Small Cap Value AlphaDEX Fund | 52.27 |
| BBSC | JPMorgan BetaBuilders U.S. Small Cap Equity Fund J.. | 53.07 |

■ 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 | \$0.16B | \$37.38B | \$125.69B | \$192.64B |
| Large Cap, Beta, Beta: Growth | 10 | \$366B | (\$0.51B) | \$8.70B | \$18.99B | \$25.27B |
| Large Cap, Beta, Beta: Value | 11 | \$262B | (\$0.48B) | \$2.57B | \$8.76B | \$4.39B |
| Mid Cap, Beta, Beta | 10 | \$229B | (\$0.53B) | \$2.48B | \$2.20B | \$8.95B |
| Mid Cap, Beta, Beta: Growth | 6 | \$44B | (\$0.19B) | \$0.56B | \$1.44B | \$2.32B |
| Mid Cap, Beta, Beta: Value | 6 | \$42B | (\$0.49B) | (\$1.23B) | (\$1.64B) | (\$2.96B) |
| Small Cap, Beta, Beta | 11 | \$241B | (\$0.01B) | \$2.74B | \$14.78B | \$18.98B |
| Small Cap, Beta, Beta: Growth | 7 | \$40B | (\$0.45B) | \$1.16B | \$2.27B | \$2.72B |
| Small Cap, Beta, Beta: Value | 7 | \$55B | (\$0.46B) | (\$0.42B) | \$0.27B | (\$1.35B) |

U.S. Size & Style Flow Leaders

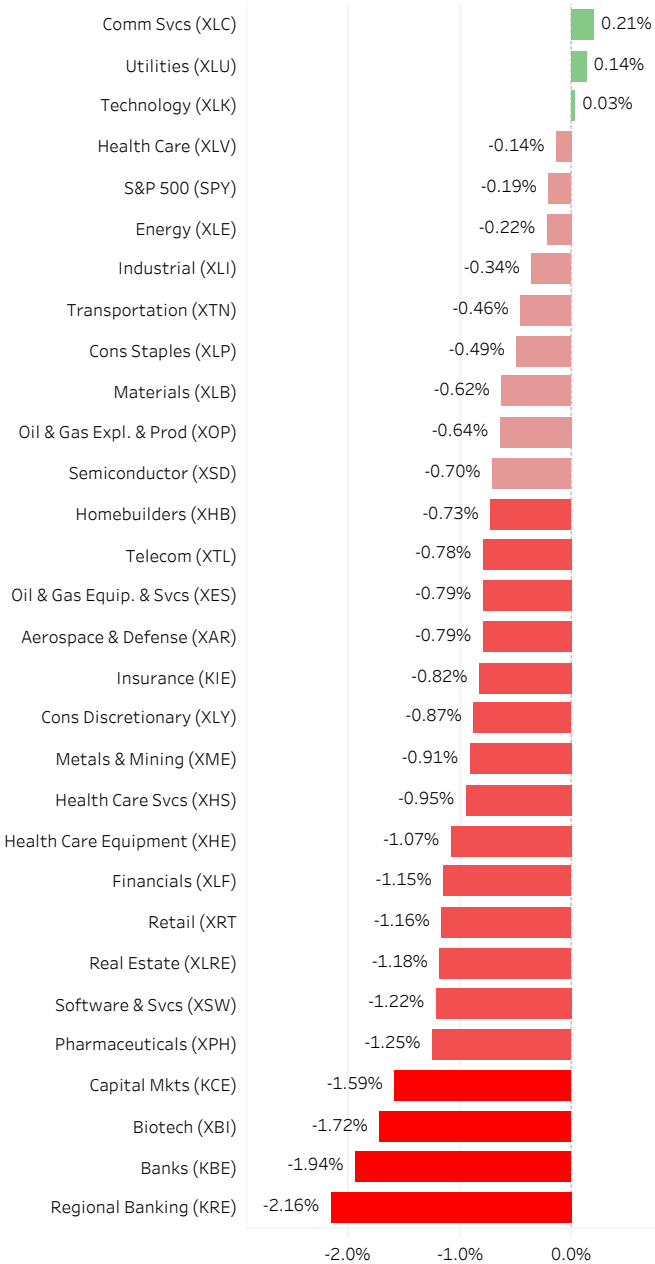
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|----------|-----------|-----------|-----------|-----------|
| SPY | SPDR S&P 500 ETF Trust | \$15.78B | (\$8.97B) | \$37.27B | \$51.61B | \$534.64B |
| IWM | iShares Russell 2000 ETF | \$0.99B | (\$3.08B) | \$5.19B | \$3.87B | \$64.85B |
| QQQ | Invesco QQQ Trust Series I | \$0.92B | \$7.40B | \$11.15B | \$14.91B | \$258.21B |
| DIA | SPDR Dow Jones Industrial Average ETF Trust | \$0.49B | \$0.66B | \$1.55B | \$1.03B | \$35.03B |
| QUAL | iShares MSCI USA Quality Factor ETF | \$0.38B | \$2.44B | \$3.55B | \$6.77B | \$42.87B |
| IVW | iShares S&P 500 Growth ETF | \$0.37B | \$2.69B | \$2.49B | \$4.46B | \$44.27B |
| IWB | iShares Russell 1000 ETF | \$0.36B | (\$0.37B) | (\$0.27B) | (\$0.65B) | \$35.36B |
| DYFN | BlackRock U.S. Equity Factor Rotation ETF | \$0.31B | \$6.68B | \$6.69B | \$6.69B | \$7.09B |
| MDY | SPDR S&P Midcap 400 ETF Trust | \$0.28B | (\$0.13B) | (\$0.16B) | (\$0.25B) | \$22.19B |
| QQQM | Invesco NASDAQ 100 ETF | \$0.24B | \$2.87B | \$4.73B | \$9.12B | \$22.91B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|-----------|-----------|-----------|-----------|-----------|
| VIG | Vanguard Dividend Appreciation ETF | (\$1.64B) | (\$0.45B) | \$1.02B | \$1.35B | \$78.99B |
| VB | Vanguard Small-Cap ETF | (\$1.26B) | \$2.41B | \$3.39B | \$4.23B | \$56.00B |
| VO | Vanguard Mid-Cap ETF | (\$0.84B) | \$0.73B | \$1.68B | \$2.49B | \$63.77B |
| VTV | Vanguard Value ETF | (\$0.59B) | \$0.80B | \$0.57B | (\$2.17B) | \$114.89B |
| VUG | Vanguard Growth ETF | (\$0.59B) | \$3.07B | \$5.20B | \$5.39B | \$119.22B |
| VOE | Vanguard Mid-Cap Value ETF | (\$0.44B) | (\$0.82B) | (\$1.10B) | (\$1.53B) | \$16.42B |
| VBR | Vanguard Small Cap Value ETF | (\$0.39B) | \$0.28B | \$0.12B | (\$0.05B) | \$28.59B |
| VBK | Vanguard Small-Cap Growth ETF | (\$0.36B) | \$0.82B | \$1.17B | \$1.60B | \$17.46B |
| ITOT | iShares Core S&P Total U.S. Stock Market ETF | (\$0.20B) | \$0.30B | \$1.23B | \$1.65B | \$54.20B |
| IWF | iShares Russell 1000 Growth ETF | (\$0.20B) | (\$1.51B) | \$1.12B | \$1.36B | \$89.70B |

* 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% | 45.77% | 4.30% | 16.00% | 65.26 |
| SPY | SPDR S&P 500 ETF Trust | -0.19% | 28.90% | 4.22% | 13.29% | 66.02 |
| XLI | Industrial Select Sector SPDR Fund | -0.34% | 29.83% | 6.09% | 14.53% | 73.57 |
| XLK | Technology Select Sector SPDR Fund | -0.53% | 45.80% | 2.84% | 14.87% | 57.44 |
| XLB | Materials Select Sector SPDR Fund | -0.62% | 22.71% | 6.50% | 10.83% | 69.51 |
| XLE | Energy Select Sector SPDR Fund | -1.03% | 20.64% | 7.88% | 7.74% | 74.66 |
| XLF | Financial Select Sector SPDR Fund | -1.15% | 31.70% | 4.64% | 15.37% | 66.35 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -1.24% | 27.30% | 2.52% | 7.15% | 56.21 |
| XLV | Health Care Select Sector SPDR Fund | -1.64% | 18.11% | 1.11% | 7.76% | 51.24 |
| XLP | Consumer Staples Select Sector SPDR Fund | -2.40% | 14.23% | 2.19% | 4.85% | 58.87 |
| XLRE | Real Estate Select Sector SPDR Fund | -4.64% | 19.98% | -0.38% | 3.69% | 43.97 |
| XLU | Utilities Select Sector SPDR Fund | -8.73% | 13.65% | 3.12% | 1.68% | 59.82 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance (%) |
|--------|--|-----------------------|
| UTES | Virtus Reaves Utilities ETF | 0.41% |
| ITA | iShares U.S. Aerospace & Defense ETF | 0.39% |
| IGM | iShares Expanded Tech Sector ETF | 0.35% |
| IYW | iShares U.S. Technology ETF | 0.33% |
| VOX | Vanguard Communication Services ETF | 0.24% |
| FCOM | Fidelity MSCI Communication Services Index ETF | 0.22% |
| XLC | Communication Services Select Sector SPDR Fund | 0.21% |
| FTEC | Fidelity MSCI Information Technology Index ETF | 0.20% |
| VGT | Vanguard Information Technology ETF | 0.16% |
| IGPT | Invesco AI and Next Gen Software ETF | 0.16% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|---|-----------|
| FTXN | First Trust Nasdaq Oil & Gas ETF | 79.78 |
| PBJ | Invesco Food & Beverage ETF | 79.60 |
| RSPG | Invesco S&P 500 Equal Weight Energy ETF | 79.42 |
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | 79.17 |
| FXN | First Trust Energy AlphaDEX Fund | 78.20 |
| FXG | First Trust Consumer Staples AlphaDEX Fund | 77.90 |
| PXE | Invesco Energy Exploration & Production ETF | 76.35 |
| IYE | iShares U.S. Energy ETF | 76.11 |
| FENY | Fidelity MSCI Energy Index ETF | 75.00 |
| XLE | Energy Select Sector SPDR Fund | 74.66 |

Sector & Industry 1 Day Performance Laggards

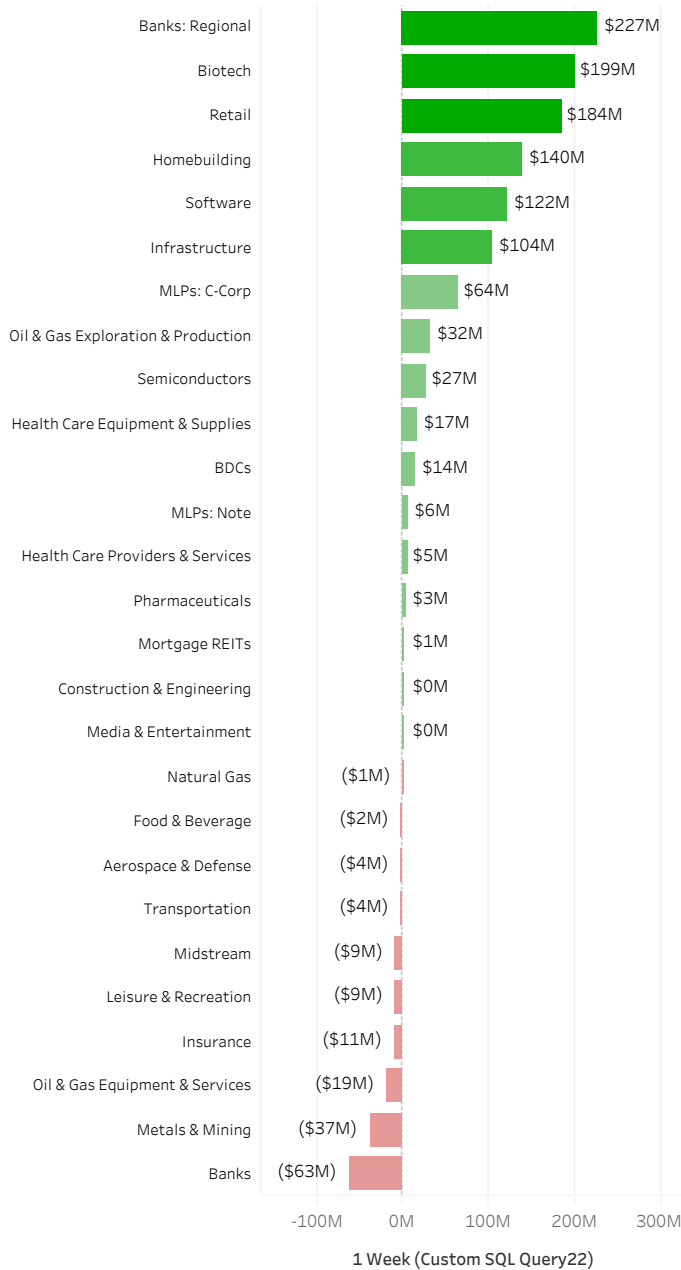
| Ticker | Fund | 1 Day Performance (%) |
|--------|--|-----------------------|
| KBWY | Invesco KBW Premium Yield Equity REIT ETF | -2.24% |
| KRE | SPDR S&P Regional Banking ETF | -2.16% |
| QABA | First Trust NASDAQ ABA Community Bank Index Fund | -2.08% |
| PTH | Invesco Dorsey Wright Healthcare Momentum ETF | -2.06% |
| KBE | SPDR S&P Bank ETF | -1.94% |
| KBWR | Invesco KBW Regional Banking ETF | -1.91% |
| FTXO | First Trust Nasdaq Bank ETF | -1.90% |
| PFI | Invesco Dorsey Wright Financial Momentum ETF | -1.88% |
| IAT | iShares U.S. Regional Banks ETF | -1.83% |
| IAI | iShares U.S. Broker-Dealers & Securities Exchanges ETF | -1.80% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|---|-----------|
| ICF | iShares Cohen & Steers REIT ETF | 40.49 |
| JPRE | JPMorgan Realty Income ETF JPMorgan Realty Income E.. | 40.91 |
| IYZ | iShares U.S. Telecommunications ETF | 41.75 |
| XPH | SPDR S&P Pharmaceuticals ETF | 42.36 |
| PSR | Invesco Active U.S. Real Estate Fund | 42.72 |
| XTL | SPDR S&P Telecom ETF | 43.51 |
| RWR | SPDR Dow Jones REIT ETF | 43.57 |
| SCHH | Schwab U.S. REIT ETF | 43.61 |
| VNQ | Vanguard Real Estate ETF | 43.67 |
| XLRE | Real Estate Select Sector SPDR Fund | 43.97 |

* 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 | \$47M | (\$45M) | \$1,283M | \$3,897M |
| Consumer Discretionary | 12 | \$31B | \$582M | \$527M | \$332M | \$3,512M |
| Consumer Staples | 10 | \$26B | \$134M | (\$406M) | (\$3,669M) | (\$4,190M) |
| Energy | 30 | \$77B | \$592M | (\$1,149M) | (\$644M) | (\$5,091M) |
| Financials | 26 | \$66B | \$549M | (\$1,036M) | (\$596M) | (\$2,649M) |
| Health Care | 23 | \$93B | \$187M | \$463M | (\$3,227M) | (\$6,122M) |
| Industrial | 13 | \$41B | \$293M | \$1,339M | \$705M | \$1,812M |
| Materials | 9 | \$12B | \$35M | \$13M | (\$1,039M) | (\$3,065M) |
| Multi-Sector | 16 | \$24B | \$195M | \$1,086M | \$752M | \$3,283M |
| Real Estate | 25 | \$61B | \$190M | \$1,551M | \$3,478M | \$2,200M |
| Technology | 23 | \$199B | \$677M | \$4,763M | \$10,200M | \$11,455M |
| Utilities | 9 | \$20B | (\$222M) | (\$2,175M) | (\$3,457M) | (\$3,730M) |

U.S. Sector & Industry Flow Leaders

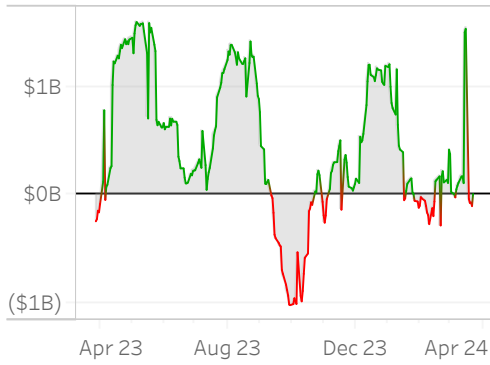
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|--------|------------|------------|------------|-----------|
| XLE | Energy Select Sector SPDR Fund | \$514M | (\$1,035M) | (\$484M) | (\$2,809M) | \$38,759M |
| XLF | Financial Select Sector SPDR Fund | \$367M | \$575M | \$322M | (\$618M) | \$38,193M |
| XLY | Consumer Discretionary Select Sector SPDR Fu.. | \$354M | \$159M | \$117M | \$2,283M | \$20,200M |
| XLK | Technology Select Sector SPDR Fund | \$299M | \$1,247M | \$3,878M | \$3,836M | \$65,156M |
| XLI | Industrial Select Sector SPDR Fund | \$271M | \$691M | (\$208M) | \$794M | \$18,020M |
| KRE | SPDR S&P Regional Banking ETF | \$236M | (\$721M) | (\$102M) | (\$17M) | \$3,039M |
| XBI | SPDR S&P BIOTECH ETF | \$200M | (\$101M) | \$220M | (\$557M) | \$7,634M |
| XRT | SPDR S&P Retail ETF | \$184M | \$102M | \$108M | \$151M | \$590M |
| XLP | Consumer Staples Select Sector SPDR Fund | \$162M | \$52M | (\$2,112M) | (\$1,568M) | \$15,689M |
| XHB | SPDR S&P Homebuilders ETF | \$123M | \$122M | \$302M | \$289M | \$2,093M |

U.S. Sector & Industry Flow Laggards

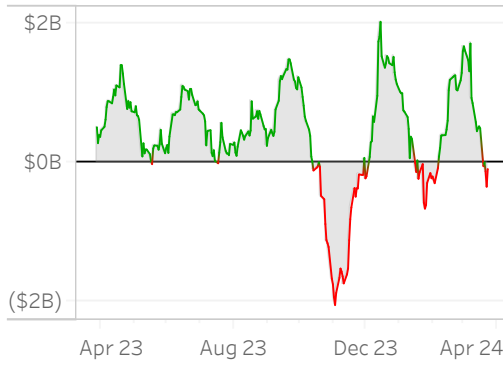
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|----------|------------|------------|------------|-----------|
| XLU | Utilities Select Sector SPDR Fund | (\$221M) | (\$2,060M) | (\$2,605M) | (\$2,501M) | \$11,963M |
| KBE | SPDR S&P Bank ETF | (\$57M) | (\$315M) | \$208M | (\$56M) | \$1,604M |
| VNQ | Vanguard Real Estate ETF | (\$42M) | \$1,005M | \$237M | (\$436M) | \$33,788M |
| FDN | First Trust Dow Jones Internet Index Fund | (\$40M) | (\$101M) | (\$630M) | \$645M | \$6,454M |
| XME | SPDR S&P Metals & Mining ETF | (\$37M) | (\$244M) | (\$245M) | (\$738M) | \$1,687M |
| IYZ | iShares U.S. Telecommunications ETF | (\$21M) | (\$35M) | (\$52M) | (\$64M) | \$225M |
| ITA | iShares U.S. Aerospace & Defense ETF | (\$19M) | (\$178M) | (\$12M) | (\$476M) | \$6,029M |
| VDE | Vanguard Energy ETF | (\$16M) | (\$113M) | (\$245M) | \$23M | \$8,692M |
| VDC | Vanguard Consumer Staples ETF | (\$15M) | (\$212M) | (\$644M) | (\$454M) | \$6,630M |
| XLV | Health Care Select Sector SPDR Fund | (\$15M) | \$389M | (\$2,091M) | (\$2,276M) | \$40,859M |

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

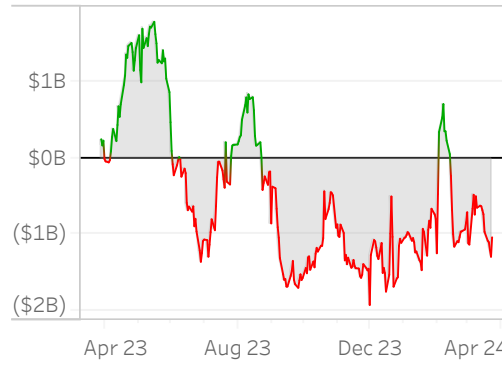
Communication Services



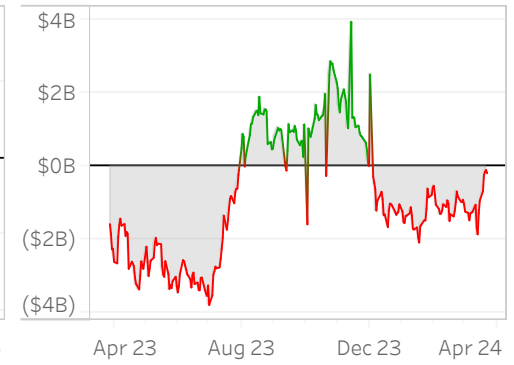
Consumer Discretionary



Consumer Staples



Energy



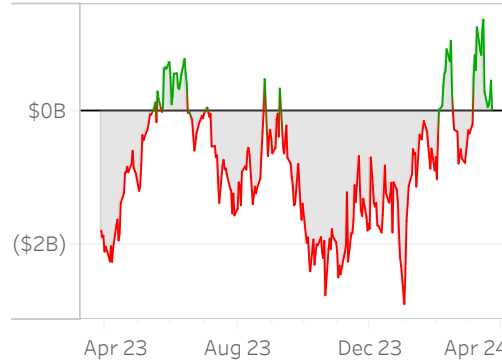
Financials



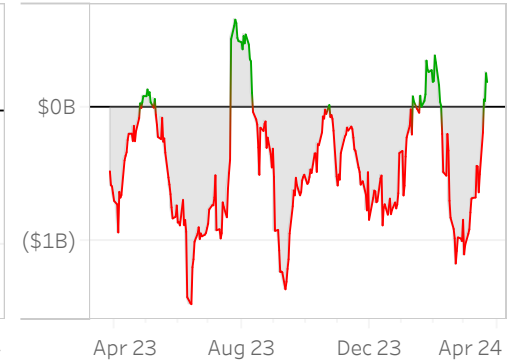
Industrial



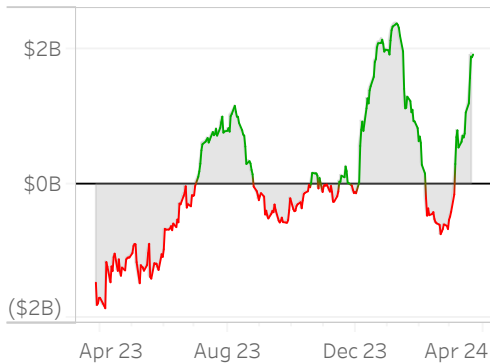
Health Care



Materials



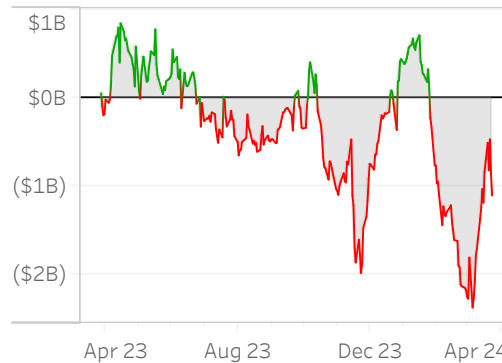
Real Estate



Technology



Utilities

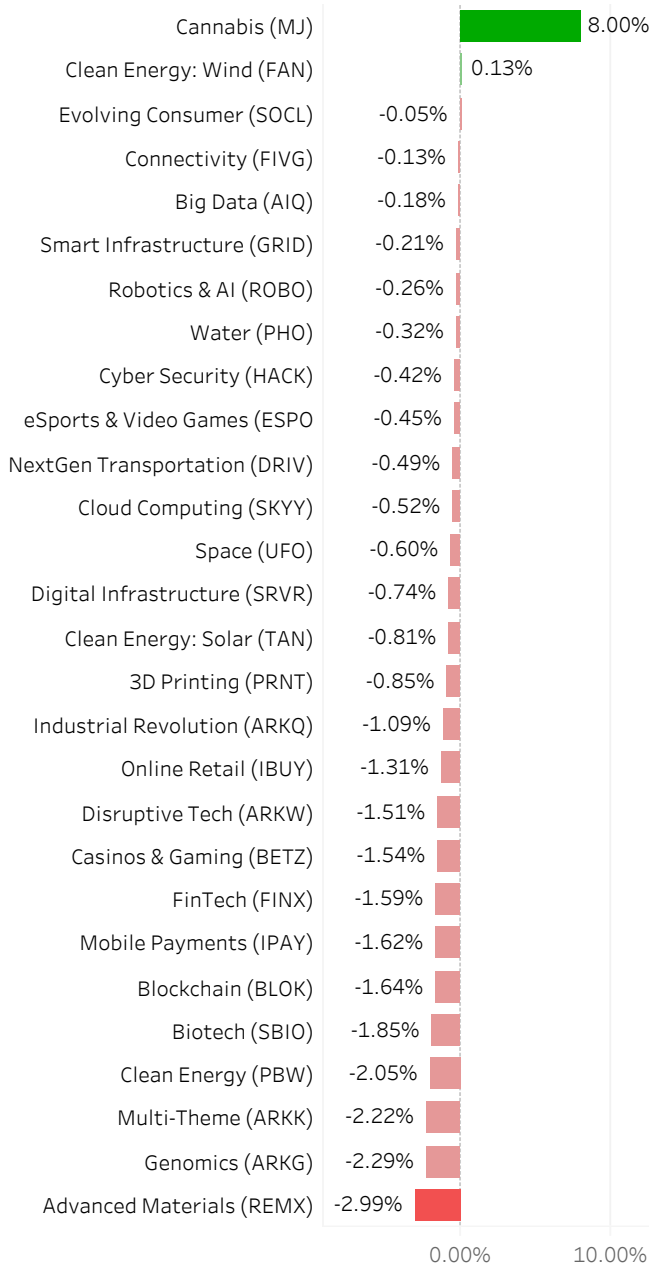


Multi-Sector

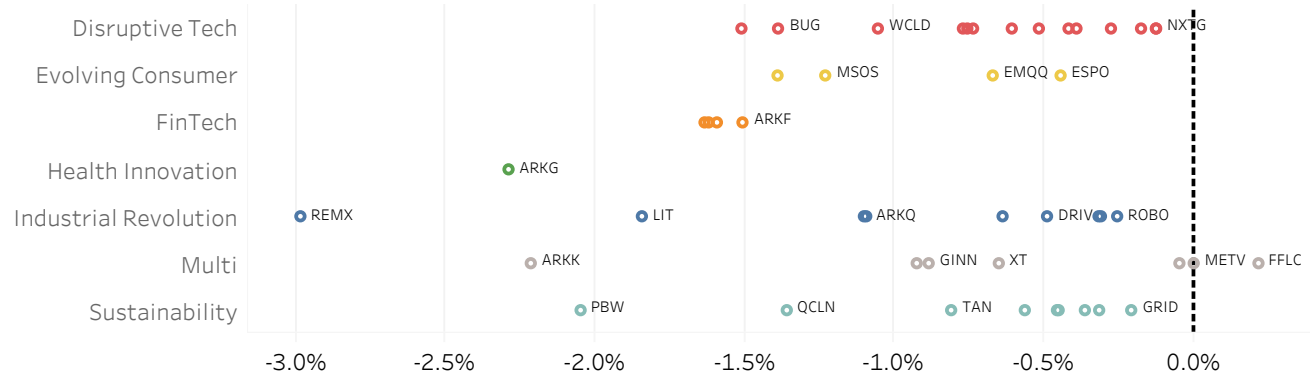


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

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 | 8.00% |
| MJUS | Amplify U.S. Alternative Harvest ETF | 1.40% |
| PAWZ | ProShares Pet Care ETF | 0.49% |
| FAN | First Trust Global Wind Energy ETF | 0.13% |
| LEGR | First Trust Indxx Innovative Transaction & Process ETF | 0.05% |
| GTEK | Goldman Sachs Future Tech Leaders Equity ETF | 0.03% |
| ENTR | ERShares Entrepreneurs ETF | 0.01% |
| METV | Roundhill Ball Metaverse ETF | 0.00% |
| TECB | iShares U.S. Tech Breakthrough Multisector ETF | -0.05% |
| SOCL | Global X Social Media ETF | -0.05% |

Thematic Most Overbought

| Ticker | Fund | Price |
|--------|--|-------|
| GRID | First Trust Nasdaq Clean Edge Smart GRID Infrastructure .. | 73.23 |
| EVX | VanEck Environmental Services ETF | 73.05 |
| MJ | Amplify Alternative Harvest ETF | 71.25 |
| EBLU | Ecofin Global Water ESG Fund | 70.19 |
| PHO | Invesco Water Resources ETF | 69.81 |
| AWAY | Amplify Travel Tech ETF | 69.07 |
| FIW | First Trust Water ETF | 67.42 |
| CGW | Invesco S&P Global Water Index ETF | 67.41 |
| KLDW | Knowledge Leaders Developed World ETF | 66.70 |
| EBIZ | Global X E-Commerce ETF | 65.63 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|---|-------------|
| CRPT | First Trust SkyBridge Crypto Industry & Digital Econo.. | -6.03% |
| BKCH | Global X Blockchain ETF | -4.57% |
| FDIG | Fidelity Crypto Industry and Digital Payments ETF | -4.21% |
| WGMI | Valkyrie Bitcoin Miners ETF | -4.09% |
| DAPP | VanEck Digital Transformation ETF | -4.09% |
| BITQ | Bitwise Crypto Industry Innovators ETF | -3.97% |
| REMX | VanEck Rare Earth/Strategic Metals ETF | -2.99% |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | -2.31% |
| ARKG | ARK Genomic Revolution ETF | -2.29% |
| ARKK | ARK Innovation ETF | -2.22% |

Thematic Most Oversold

| Ticker | Fund | Price |
|--------|---|-------|
| SRVR | Pacer Data & Infrastructure Real Estate ETF | 36.32 |
| ARKG | ARK Genomic Revolution ETF | 38.26 |
| PAWZ | ProShares Pet Care ETF | 40.40 |
| PBW | Invesco WilderHill Clean Energy ETF | 41.00 |
| ACES | ALPS Clean Energy ETF | 42.87 |
| QCLN | First Trust Nasdaq Clean Edge Green Energy Index Fund | 42.98 |
| GNOM | Global X Genomics & Biotechnology ETF | 43.66 |
| WCBR | WisdomTree Cybersecurity Fund | 44.27 |
| SPRX | Spear Alpha ETF | 44.77 |
| IHAK | iShares Cybersecurity & Tech ETF | 44.86 |

* 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 |
|--------|---|--------|
| ARKK | ARK Innovation ETF | \$177M |
| AIQ | Global X Artificial Intelligence & Technology ETF | \$44M |
| GRID | First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index | \$40M |
| BOTZ | Global X Robotics & Artificial Intelligence ETF | \$34M |
| ARKG | ARK Genomic Revolution ETF | \$13M |
| FITE | SPDR S&P Kensho Future Security ETF | \$9M |
| MSOS | AdvisorShares Pure US Cannabis ETF | \$5M |
| KOMP | SPDR S&P Kensho New Economies Composite ETF | \$4M |
| FFLC | Fidelity Fundamental Large Cap Core ETF | \$4M |
| PBW | Invesco WilderHill Clean Energy ETF | \$4M |

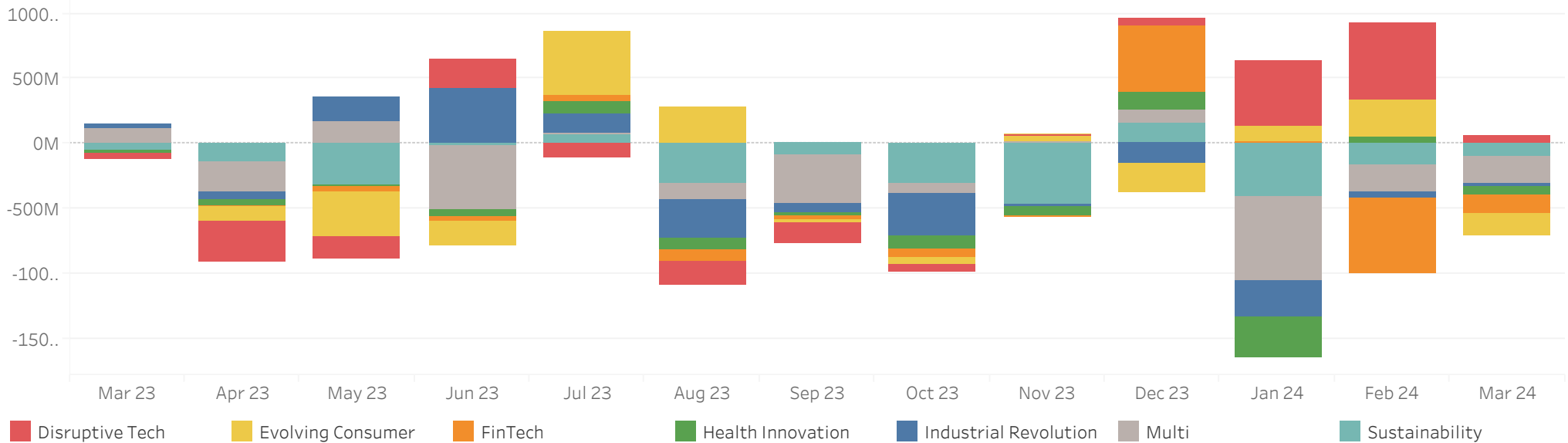
Thematic 1 Week Flow Laggards

| Ticker | Fund | Flow |
|--------|--|----------|
| PHO | Invesco Water Resources ETF | (\$151M) |
| FIVG | Defiance Next Gen Connectivity ETF | (\$54M) |
| ESPO | VanEck Video Gaming and eSports ETF | (\$44M) |
| ICLN | iShares Global Clean Energy ETF | (\$41M) |
| KWEB | KraneShares CSI China Internet ETF | (\$41M) |
| ARKW | ARK Next Generation Internet ETF | (\$28M) |
| FINX | Global X FinTech ETF | (\$23M) |
| BITQ | Bitwise Crypto Industry Innovators ETF | (\$22M) |
| ARKF | ARK Fintech Innovation ETF | (\$15M) |
| CIBR | First Trust NASDAQ Cybersecurity ETF | (\$14M) |

Thematic Landscape Assets & Flows

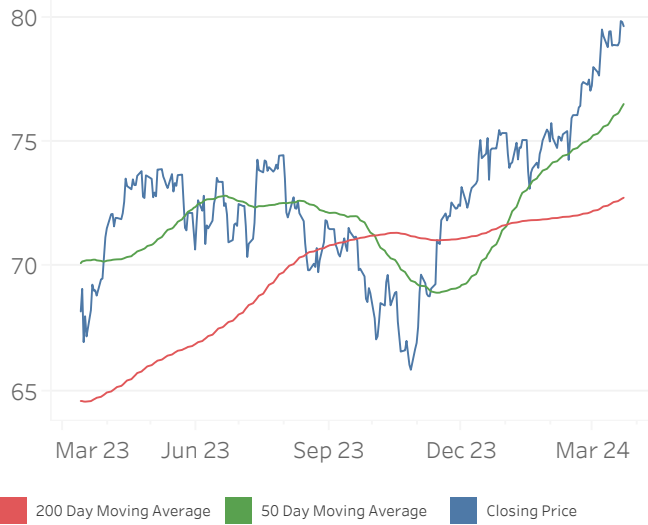
| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|------------|--------------|---------------|-------------------|-------------------|-------------------|
| Disruptive Tech | 33 | \$21B | (\$19M) | \$1,171M | \$1,120M | \$405M |
| Evolving Consumer | 34 | \$9B | (\$20M) | \$202M | \$32M | \$148M |
| FinTech | 17 | \$4B | (\$38M) | (\$599M) | (\$269M) | (\$463M) |
| Health Innovation | 17 | \$2B | \$8M | (\$199M) | (\$356M) | (\$513M) |
| Industrial Revolution | 30 | \$10B | \$3M | (\$361M) | (\$869M) | (\$480M) |
| Multi | 33 | \$16B | \$218M | (\$1,014M) | (\$998M) | (\$1,946M) |
| Sustainability | 39 | \$12B | (\$6M) | (\$624M) | (\$1,312M) | (\$2,146M) |
| Grand Total | 203 | \$74B | \$147M | (\$1,424M) | (\$2,652M) | (\$4,996M) |

Thematic Monthly Flows

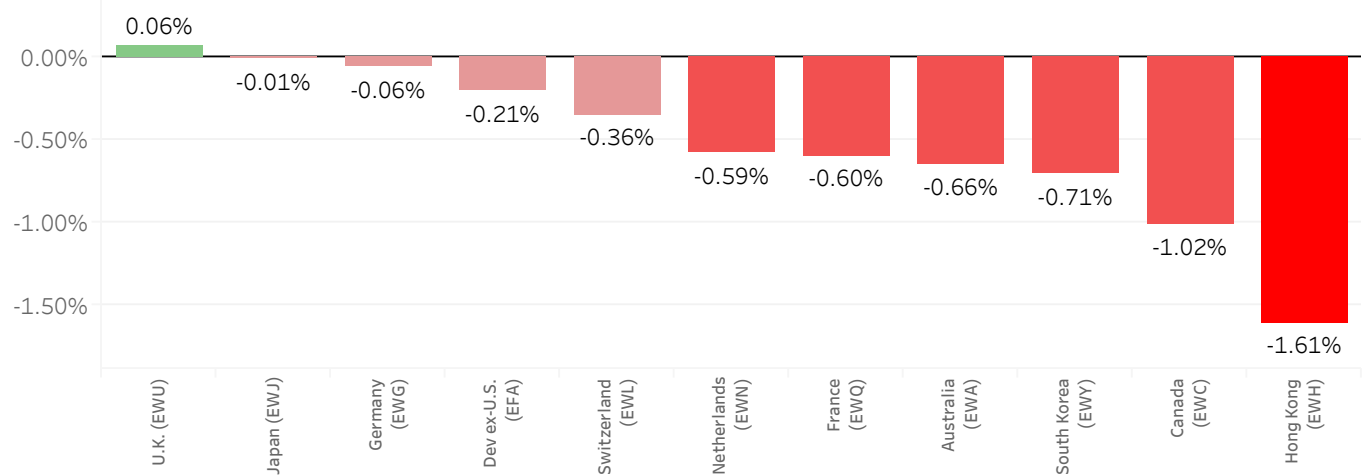


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

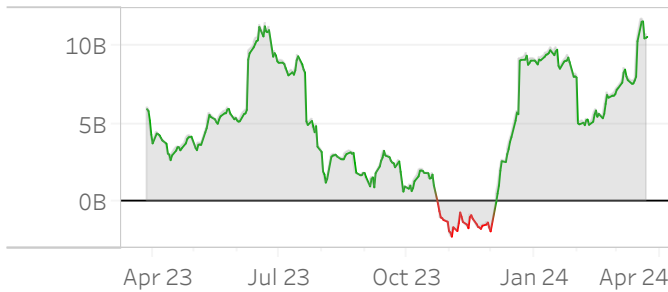
Developed ex-U.S. (EFA)



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



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



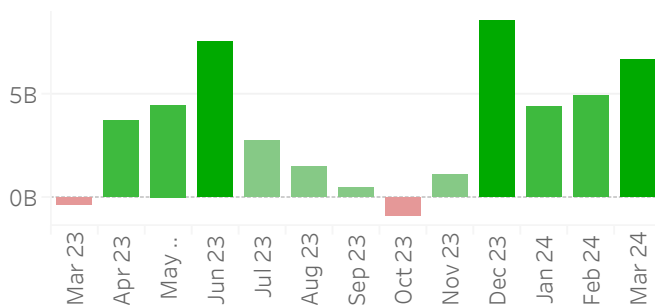
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| FJP | First Trust Japan AlphaDEX Fund | 0.70% |
| EWP | iShares MSCI Spain ETF | 0.51% |
| DXJS | WisdomTree Japan Hedged SmallCap Equity Fund | 0.44% |
| ENZL | iShares MSCI New Zealand ETF | 0.42% |
| EWJV | iShares MSCI Japan Value ETF | 0.39% |
| EDEN | iShares MSCI Denmark ETF | 0.33% |
| HEDJ | WisdomTree Europe Hedged Equity Fund | 0.31% |
| SCJ | iShares MSCI Japan Small-Cap ETF | 0.31% |
| FLJP | Franklin FTSE Japan ETF | 0.19% |
| EWO | iShares MSCI Austria ETF | 0.18% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Value |
|--------|--|-------|
| HEFA | iShares Currency Hedged MSCI EAFE ETF | 78.06 |
| DBEF | Xtrackers MSCI EAFE Hedged Equity ETF | 77.57 |
| IDMO | Invesco S&P International Developed Momentum ETF | 75.70 |
| LVHI | Franklin International Low Volatility High Dividend Index .. | 75.49 |
| HEZU | iShares Currency Hedged MSCI Eurozone ETF | 75.02 |
| IMTM | iShares MSCI Intl Momentum Factor ETF | 74.97 |
| DBEU | Xtrackers MSCI Europe Hedged Equity ETF | 74.70 |
| HSCZ | iShares Currency Hedged MSCI EAFE Small-Cap ETF | 73.92 |
| EWP | iShares MSCI Spain ETF | 72.89 |
| HEDJ | WisdomTree Europe Hedged Equity Fund | 72.62 |

Developed ex-U.S. Monthly Flows



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

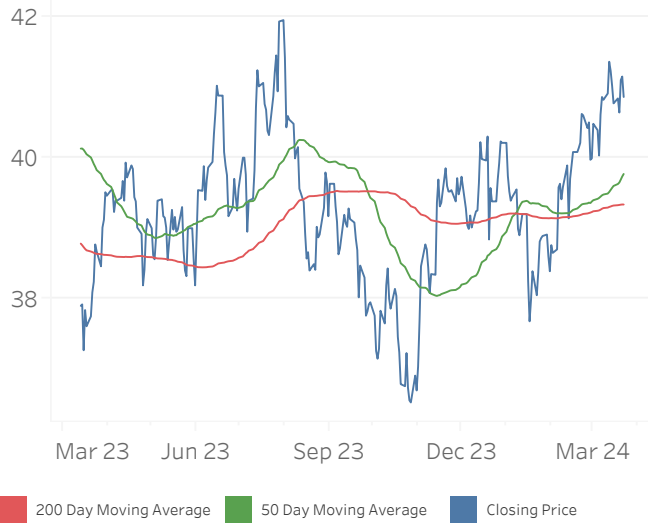
| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| EWH | iShares MSCI Hong Kong ETF | -1.61% |
| FLCA | Franklin FTSE Canada ETF Franklin FTSE Canada Fund | -1.04% |
| EWC | iShares MSCI Canada ETF | -1.02% |
| BBCA | JPMorgan BetaBuilders Canada ETF | -1.02% |
| EWD | iShares MSCI Sweden ETF | -0.97% |
| EPP | iShares MSCI Pacific ex-Japan ETF | -0.91% |
| EIRL | iShares MSCI Ireland ETF | -0.82% |
| BBAX | JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E.. | -0.81% |
| GREK | Global X MSCI Greece ETF | -0.78% |
| ISRA | VanEck Israel ETF | -0.72% |

Developed ex-U.S. Most Oversold

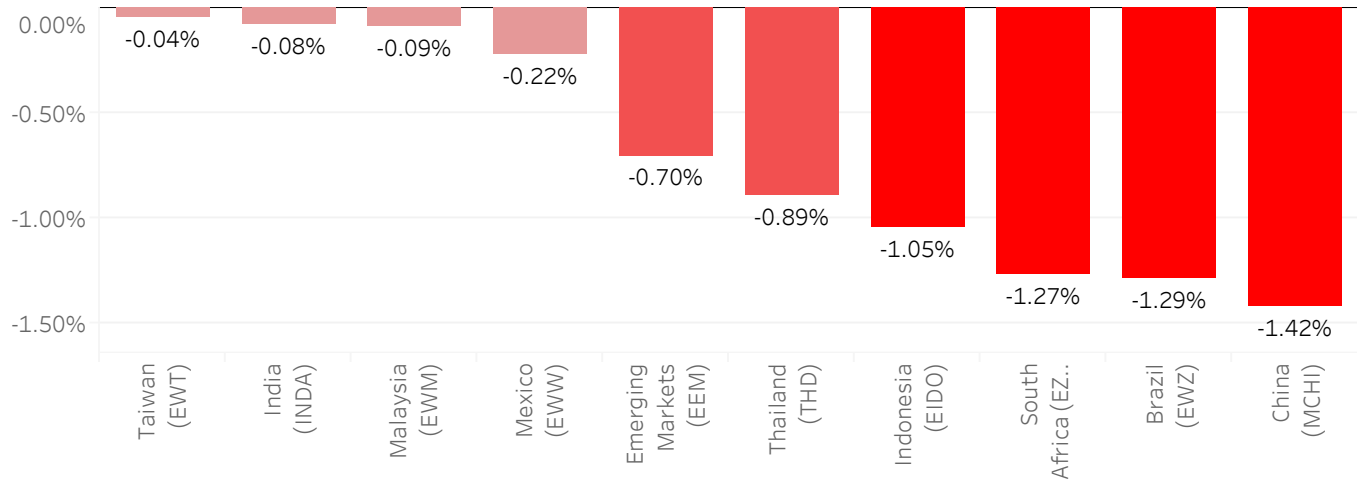
| Ticker | Fund | Value |
|--------|---|-------|
| EWH | iShares MSCI Hong Kong ETF | 40.12 |
| BBAX | JPMorgan BetaBuilders Developed Asia Pacific-ex Ja.. | 45.53 |
| ENZL | iShares MSCI New Zealand ETF | 46.85 |
| EWL | iShares MSCI Switzerland ETF | 47.42 |
| EPP | iShares MSCI Pacific ex-Japan ETF | 49.33 |
| IDV | iShares International Select Dividend ETF | 49.35 |
| TTAI | FCF International Quality ETF | 49.91 |
| IDLV | Invesco S&P International Developed Low Volatility .. | 50.82 |
| IDOG | ALPS International Sector Dividend Dogs ETF | 51.04 |
| DFE | WisdomTree Europe SmallCap Dividend Fund | 51.47 |

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

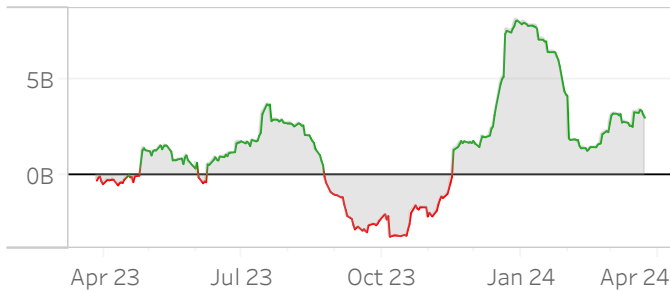
Emerging (EEM)



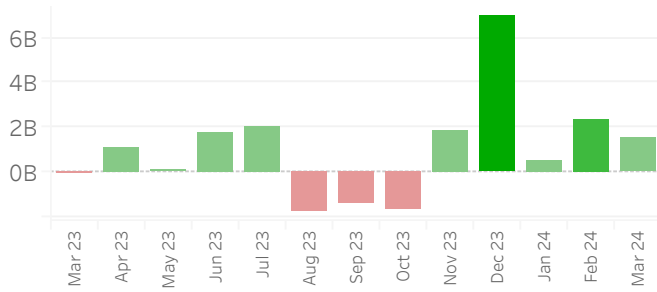
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|-------------|--|-------------------|
| SMIN | iShares MSCI India Small Cap ETF | 0.32% |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | 0.14% |
| FLTW | Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund | 0.03% |
| EWT | iShares MSCI Taiwan ETF | -0.04% |
| KSA | iShares MSCI Saudi Arabia ETF | -0.04% |
| QAT | iShares MSCI Qatar ETF | -0.06% |
| INDA | iShares MSCI India ETF | -0.08% |
| EWM | iShares MSCI Malaysia ETF | -0.09% |
| EPI | WisdomTree India Earnings Fund | -0.16% |
| NUEM | Nuveen ESG Emerging Markets Equity ETF | -0.18% |

Emerging Most Overbought

| Ticker | Fund | Value |
|-------------|--|-------|
| FM | iShares Frontier and Select EM ETF | 80.07 |
| EPU | iShares MSCI Peru and Global Exposure ETF | 74.31 |
| ARGT | Global X MSCI Argentina ETF | 68.70 |
| FLTW | Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund | 64.81 |
| DBEM | Xtrackers MSCI Emerging Markets Hedged Equity ETF | 63.68 |
| EWT | iShares MSCI Taiwan ETF | 62.92 |
| HEEM | iShares Currency Hedged MSCI Emerging Markets ETF | 60.71 |
| KSA | iShares MSCI Saudi Arabia ETF | 60.41 |
| VNM | VanEck Vietnam ETF | 60.24 |
| XCEM | Columbia EM Core ex-China ETF | 59.67 |

Emerging 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|-------------|--|-------------------|
| PGJ | Invesco Golden Dragon China ETF | -1.75% |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | -1.68% |
| EPHE | iShares MSCI Philippines ETF | -1.66% |
| CNYA | iShares MSCI China A ETF | -1.62% |
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | -1.59% |
| GXC | SPDR S&P China ETF | -1.54% |
| EPOL | iShares MSCI Poland ETF | -1.49% |
| MCHI | iShares MSCI China ETF | -1.42% |
| FXI | iShares China Large-Cap ETF | -1.42% |
| FLCH | Franklin FTSE China ETF | -1.38% |

Emerging Most Oversold

| Ticker | Fund | Value |
|-------------|--|-------|
| THD | iShares MSCI Thailand ETF | 39.18 |
| EPI | WisdomTree India Earnings Fund | 41.94 |
| PIN | Invesco India ETF | 42.16 |
| SMIN | iShares MSCI India Small Cap ETF | 42.29 |
| GLIN | VanEck India Growth Leaders ETF | 42.61 |
| DVZ | iShares MSCI Brazil ETF | 42.94 |
| DVYE | iShares Emerging Markets Dividend ETF | 42.97 |
| FLBR | Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund | 44.26 |
| INDY | iShares India 50 ETF | 44.44 |
| INDA | iShares MSCI India ETF | 44.62 |

* 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 | 0.32% | 1.16% | -0.86% |
| SHY | 1-3 Year Treasury Bonds | 0.07% | 0.45% | 0.25% |
| IEF | 7-10 Year Treasury Bonds | 0.49% | 1.22% | -1.46% |
| TLT | 20+ Year Treasury Bonds | 0.96% | 1.77% | -4.36% |
| TIP | TIPS Bonds | 0.35% | 1.32% | -0.13% |
| FLOT | Floating Rate Bonds | 0.01% | 0.55% | 1.79% |
| LQD | Investment Grade Corporate | 0.34% | 1.23% | -1.09% |
| HYG | High Yield Corporate | -0.10% | 1.09% | 1.47% |
| BKLN | Senior Loan | -0.38% | 0.55% | 1.39% |
| PFF | Preferred & Income Securities | -0.37% | 2.11% | 5.07% |
| MUB | Municipal Bonds | 0.14% | 0.53% | 0.05% |
| MBB | MBS | 0.31% | 1.51% | -1.15% |
| EMB | Dollar Denominated EM Bonds | 0.32% | 2.88% | 1.68% |
| LEMB | Local Currency EM Bond | -0.35% | 0.45% | -1.82% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|--------------------------|--------|---------|---------|
| DJP | Broad Commodities | -0.74% | 3.35% | 1.51% |
| DBE | Energy | -0.61% | 2.47% | 6.85% |
| USO | WTI Crude Oil | -0.18% | 4.18% | 15.05% |
| BNO | Brent Crude Oil | -0.26% | 4.07% | 14.21% |
| UNG | Natural Gas | -1.37% | -7.19% | -25.49% |
| UGA | Gasoline | 0.23% | 6.95% | 16.80% |
| DBP | Precious Metals | -0.74% | 7.09% | 4.69% |
| GLD | Gold | -0.80% | 6.82% | 4.80% |
| SLV | Silver | -0.40% | 8.36% | 3.58% |
| PPLT | abrdrn Physical Platin.. | -1.35% | -0.62% | -9.65% |
| PALL | abrdrn Physical Palla.. | -2.86% | 2.20% | -10.11% |
| DBB | Base Metals | -1.27% | 3.59% | -2.19% |
| CPER | Copper | -1.65% | 2.76% | 3.48% |
| DBA | Agriculture | 0.67% | 9.01% | 16.10% |
| CORN | Corn | -0.30% | 5.29% | -6.82% |
| SOYB | Soybeans | -1.53% | 3.92% | -6.81% |
| WEAT | Wheat | 1.33% | -1.48% | -10.72% |
| CANE | Sugar | -0.60% | -1.57% | 6.82% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|--------|
| UUP | Long Dollar | 0.53% | 1.07% | 4.54% |
| UDN | Short Dollar | -0.40% | -0.23% | -2.40% |
| FXE | Euro | -0.45% | 0.05% | -1.57% |
| FXB | British Pound Sterling | -0.44% | -0.26% | -0.46% |
| FXF | Swiss Franc | 0.01% | -1.96% | -6.29% |
| FXY | Japanese Yen | 0.18% | -0.55% | -7.01% |
| FXC | Canadian Dollar | -0.55% | -0.67% | -2.06% |
| FXA | Australian Dollar | -0.84% | -0.54% | -4.08% |

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

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