

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

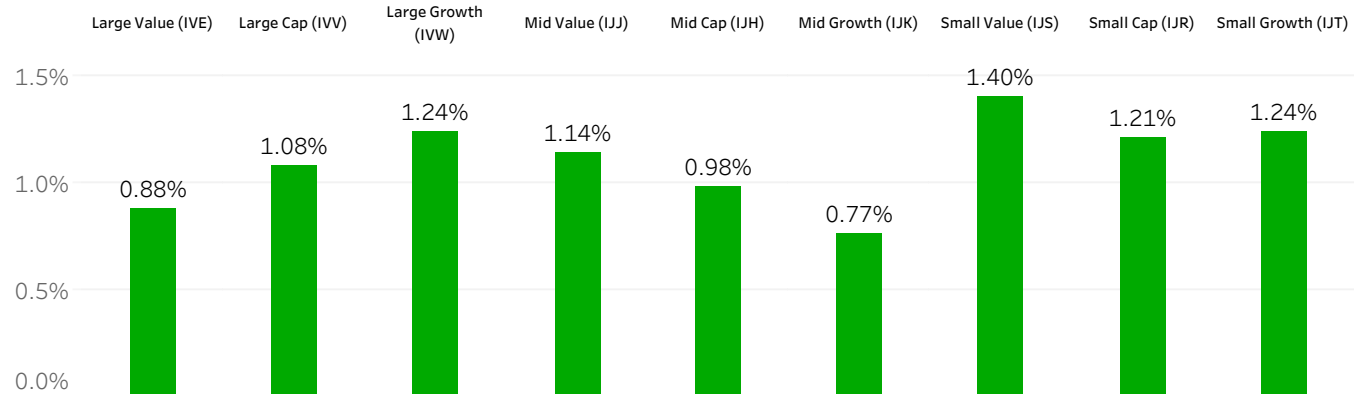


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|---------------------------------------------------|-------------|
| DEIF | Sterling Capital Diverse Multi-Manager Active ETF | 4.90% |
| EQRR | ProShares Equities for Rising Rates ETF | 3.08% |
| CLRG | IQ Chaikin U.S. Large Cap ETF | 2.42% |
| SIXA | ETC 6 Meridian Mega Cap Equity ETF | 2.15% |
| IPO | Renaissance IPO ETF | 1.98% |
| FYT | First Trust Small Cap Value AlphaDEX Fund | 1.55% |
| WBIY | WBI Power Factor High Dividend ETF | 1.52% |
| FYX | First Trust Small Cap Core AlphaDEX Fund | 1.52% |
| KRMA | Global X Conscious Companies ETF | 1.45% |
| TPSC | Timothy Plan US Small Cap Core ETF | 1.43% |

Size & Style Most Overbought

| Ticker | Fund | Price |
|--------|--------------------------------------------------|-------|
| FCTR | First Trust Lunt U.S. Factor Rotation ETF | 65.20 |
| PTLC | Pacer Trendpilot US Large Cap ETF | 65.07 |
| EQRR | ProShares Equities for Rising Rates ETF | 63.80 |
| PALC | Pacer Lunt Large Cap Multi-Factor Alternator ETF | 63.07 |
| PWV | Invesco Dynamic Large Cap Value ETF | 60.23 |
| JAVA | JPMorgan Active Value ETF | 59.93 |
| IMCV | iShares Morningstar Mid-Cap ETF | 59.72 |
| CZA | Invesco Zacks Mid-Cap ETF | 59.69 |
| MTUM | iShares MSCI USA Momentum Factor ETF | 59.50 |
| VOE | Vanguard Mid-Cap Value ETF | 59.43 |

Size & Style 1-Day Performance Laggards

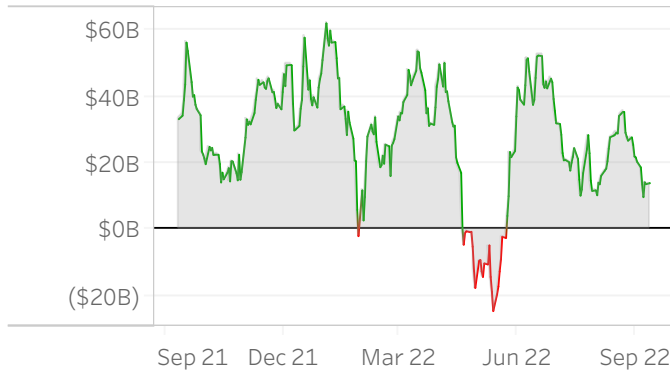
| Ticker | Fund | Performance |
|--------|--------------------------------------------------------|-------------|
| USNZ | Xtrackers Net Zero Pathway Paris Aligned US Equity ETF | -0.88% |
| RPHS | Regents Park Hedged Market Strategy ETF | -0.17% |
| ONOF | Global X Adaptive U.S. Risk Management ETF | -0.14% |
| PTLC | Pacer Trendpilot US Large Cap ETF | -0.01% |
| SPC | CrossingBridge Pre-Merger SPAC ETF | 0.00% |
| PTMC | Pacer Trendpilot US Mid Cap ETF | 0.09% |
| LSAT | Leadershares Alphafactor Tactical Focused ETF | 0.15% |
| TPLE | Timothy Plan US Large/Mid Cap Core Enhanced ETF | 0.19% |
| CFO | VictoryShares US 500 Enhanced Volatility Wtd ETF | 0.23% |
| QVAL | Alpha Architect U.S. Quantitative Value ETF | 0.23% |

Size & Style Most Oversold

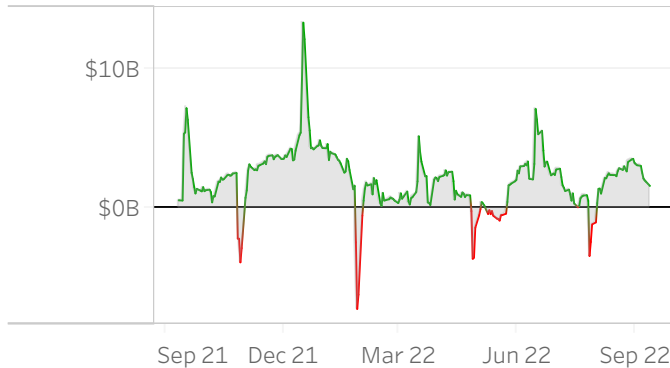
| Ticker | Fund | Price |
|--------|--------------------------------------------------------|-------|
| PTMC | Pacer Trendpilot US Mid Cap ETF | 19.98 |
| QVMS | Invesco S&P SmallCap 600 QVM Multi-factor ETF | 38.26 |
| USNZ | Xtrackers Net Zero Pathway Paris Aligned US Equity.. | 41.12 |
| RPHS | Regents Park Hedged Market Strategy ETF | 42.07 |
| SIXS | ETC 6 Meridian Small Cap Equity ETF | 44.57 |
| CSB | VictoryShares US Small Cap High Dividend Volatility .. | 45.47 |
| XSVM | Invesco S&P SmallCap Value with Momentum ETF | 46.32 |
| RZV | Invesco S&P Smallcap 600 Pure Value ETF | 46.71 |
| FDM | First Trust Dow Jones Select MicroCap Index Fund | 46.76 |
| CALF | Pacer US Small Cap Cash Cows 100 ETF | 46.79 |

*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 Growth, Beta | 25 | \$1,242B | \$3.00B | \$23.40B | \$31.48B | \$104.11B |
| Large Cap, Beta Growth, Beta: Growth | 10 | \$231B | (\$0.95B) | \$5.97B | \$12.72B | \$15.21B |
| Large Cap, Beta Growth, Beta: Value | 11 | \$218B | (\$0.35B) | \$0.62B | \$4.45B | \$24.47B |
| Mid Cap, Beta, Beta | 10 | \$179B | \$0.14B | \$1.92B | \$5.21B | \$13.32B |
| Mid Cap, Beta, Beta: Growth | 6 | \$34B | \$0.00B | \$0.79B | \$1.10B | \$1.20B |
| Mid Cap, Beta, Beta: Value | 6 | \$40B | (\$0.39B) | \$0.44B | (\$0.14B) | \$1.28B |
| Small Cap, Beta, Beta | 13 | \$191B | \$0.47B | \$1.11B | (\$4.47B) | \$7.79B |
| Small Cap, Beta, Beta: Growth | 7 | \$32B | (\$0.34B) | (\$0.04B) | \$0.42B | \$1.31B |
| Small Cap, Beta, Beta: Value | 7 | \$49B | (\$0.43B) | (\$1.46B) | (\$4.08B) | (\$2.42B) |

U.S. Size & Style Flow Leaders

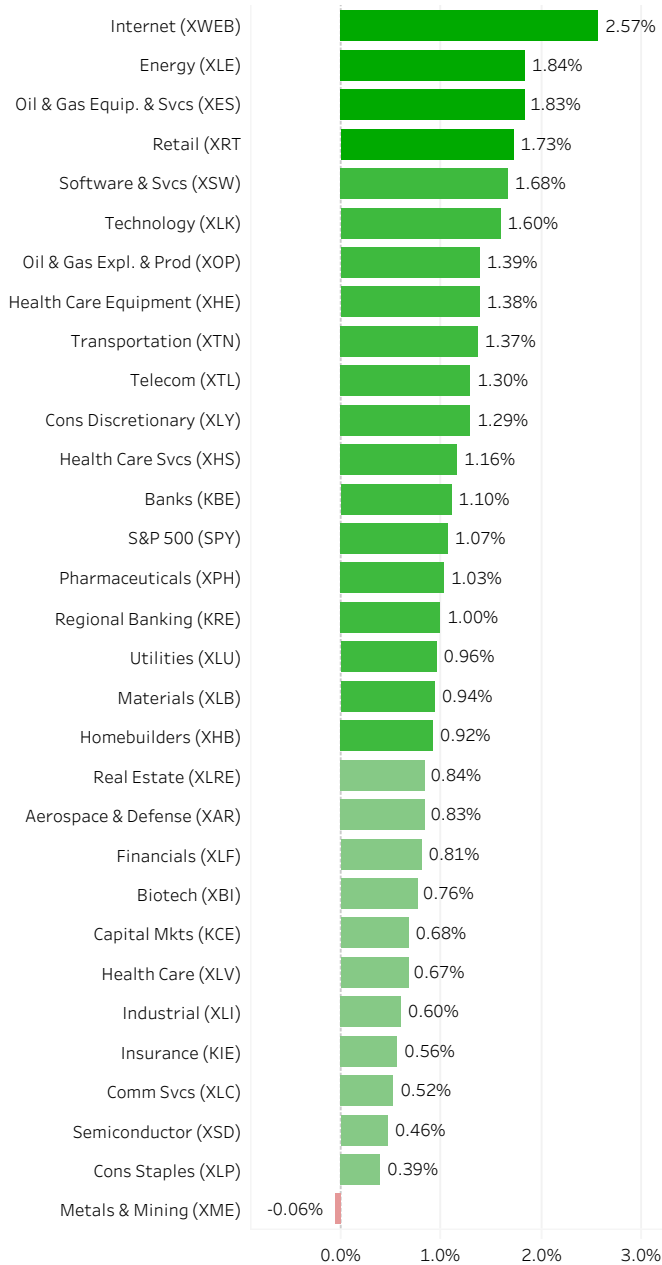
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|-------------------------------------|---------|-----------|-----------|-----------|-----------|
| SPY | SPDR S&P 500 ETF Trust | \$3.20B | \$9.75B | \$0.78B | \$5.11B | \$369.98B |
| VOO | Vanguard S&P 500 ETF | \$0.79B | \$10.31B | \$12.56B | \$43.74B | \$272.75B |
| IVV | iShares Core S&P 500 ETF | \$0.63B | \$1.53B | \$8.98B | \$30.69B | \$305.11B |
| USMV | iShares MSCI USA Min Vol Factor ETF | \$0.58B | \$2.22B | \$2.49B | \$2.00B | \$29.19B |
| VTI | Vanguard Total Stock Market ETF | \$0.36B | \$6.27B | \$11.03B | \$32.61B | \$269.86B |
| IWM | iShares Russell 2000 ETF | \$0.23B | (\$1.21B) | (\$3.89B) | (\$2.08B) | \$54.03B |
| VO | Vanguard Mid-Cap ETF | \$0.23B | \$0.96B | \$2.32B | \$5.93B | \$52.11B |
| VB | Vanguard Small-Cap ETF | \$0.22B | (\$0.02B) | (\$0.72B) | \$1.96B | \$43.06B |
| SCHD | Schwab US Dividend Equity ETF | \$0.17B | \$3.19B | \$5.23B | \$11.84B | \$38.37B |
| VTV | Vanguard Value ETF | \$0.10B | \$1.74B | \$5.28B | \$17.70B | \$100.69B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|-------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| QQQ | Invesco QQQ Trust | (\$1.58B) | (\$1.68B) | \$3.27B | \$11.08B | \$166.28B |
| SPYG | SPDR Portfolio S&P 500 Growth ETF | (\$0.98B) | \$1.16B | \$1.95B | \$1.64B | \$13.87B |
| IJS | iShares S&P Small-Cap 600 Value ETF | (\$0.41B) | (\$1.39B) | (\$1.27B) | (\$1.06B) | \$6.79B |
| IJT | iShares S&P Small-Cap 600 Growth ETF | (\$0.40B) | \$0.22B | \$0.16B | (\$0.09B) | \$5.28B |
| IVE | iShares S&P 500 Value ETF | (\$0.38B) | (\$0.30B) | \$0.57B | \$2.22B | \$23.87B |
| IJJ | iShares S&P Mid-Cap 400 Value ETF | (\$0.37B) | \$0.01B | \$0.02B | (\$0.97B) | \$7.40B |
| IWB | iShares Russell 1000 ETF | (\$0.15B) | (\$0.13B) | \$0.76B | \$0.20B | \$27.99B |
| PSC | Principal U.S. Small-Cap Multi-Factor ETF | (\$0.12B) | (\$0.35B) | (\$0.38B) | (\$1.22B) | \$0.31B |
| USMC | Principal U.S. Mega-Cap ETF | (\$0.12B) | (\$0.30B) | (\$0.31B) | (\$0.82B) | \$1.14B |
| QUAL | iShares MSCI USA Quality Factor ETF | (\$0.11B) | (\$1.32B) | (\$1.00B) | (\$2.03B) | \$19.17B |

* 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) |
|--------|------------------------------------------------|-----------------|----------------|--------------------|---------------------|-----------|
| XLU | Utilities Select Sector SPDR Fund | 0.00% | 22.91% | 6.03% | 9.28% | 66.25 |
| XLP | Consumer Staples Select Sector SPDR Fund | -7.82% | 7.95% | 0.13% | -0.87% | 50.77 |
| XLV | Health Care Select Sector SPDR Fund | -8.02% | 9.58% | 1.06% | -0.35% | 57.78 |
| XLI | Industrial Select Sector SPDR Fund | -10.51% | 12.12% | 2.54% | -1.47% | 54.96 |
| XLE | Energy Select Sector SPDR Fund | -11.05% | 61.26% | 8.15% | 12.14% | 59.43 |
| XLB | Materials Select Sector SPDR Fund | -13.03% | 11.10% | 3.15% | -4.76% | 57.35 |
| SPY | SPDR S&P 500 ETF Trust | -13.97% | 12.33% | 1.96% | -3.24% | 56.01 |
| XLRE | Real Estate Select Sector SPDR Fund | -16.23% | 11.71% | 1.23% | -4.36% | 54.27 |
| XLF | Financial Select Sector SPDR Fund | -16.37% | 12.69% | 3.74% | -4.07% | 59.77 |
| XLK | Technology Select Sector SPDR Fund | -21.09% | 12.88% | -0.05% | -5.83% | 50.82 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -21.20% | 23.75% | 5.49% | -1.95% | 60.72 |
| XLC | Communication Services Select Sector SPDR Fund | -32.19% | 5.33% | -0.64% | -12.77% | 51.48 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|-----------------------------------------------------|-------------------|
| RYE | Invesco S&P 500 Equal Weight Energy ETF | 2.27% |
| FCG | First Trust Natural Gas ETF | 2.02% |
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | 1.97% |
| IEZ | iShares U.S. Oil Equipment & Services ETF | 1.84% |
| XLE | Energy Select Sector SPDR Fund | 1.84% |
| XES | SPDR S&P Oil & Gas Equipment & Services ETF | 1.83% |
| IYE | iShares U.S. Energy ETF | 1.82% |
| PXE | Invesco Dynamic Energy Exploration & Production .. | 1.82% |
| FENY | Fidelity MSCI Energy Index ETF | 1.75% |
| VDE | Vanguard Energy ETF | 1.73% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|-------------------------------------------------------|-----------|
| UTES | Virtus Reaves Utilities ETF | 67.15 |
| RYU | Invesco S&P 500 Equal Weight Utilities ETF | 66.96 |
| IDU | iShares U.S. Utilities ETF | 66.67 |
| XLU | Utilities Select Sector SPDR Fund | 66.25 |
| VPU | Vanguard Utilities ETF | 65.88 |
| FUTY | Fidelity MSCI Utilities Index ETF | 65.62 |
| FXU | First Trust Utilities AlphaDEX Fund | 65.11 |
| PTH | Invesco DWA Healthcare Momentum ETF | 64.57 |
| PUI | Invesco DWA Utilities Momentum ETF | 64.12 |
| EMLP | First Trust North American Energy Infrastructure Fund | 63.26 |

Sector & Industry 1 Day Performance Laggards

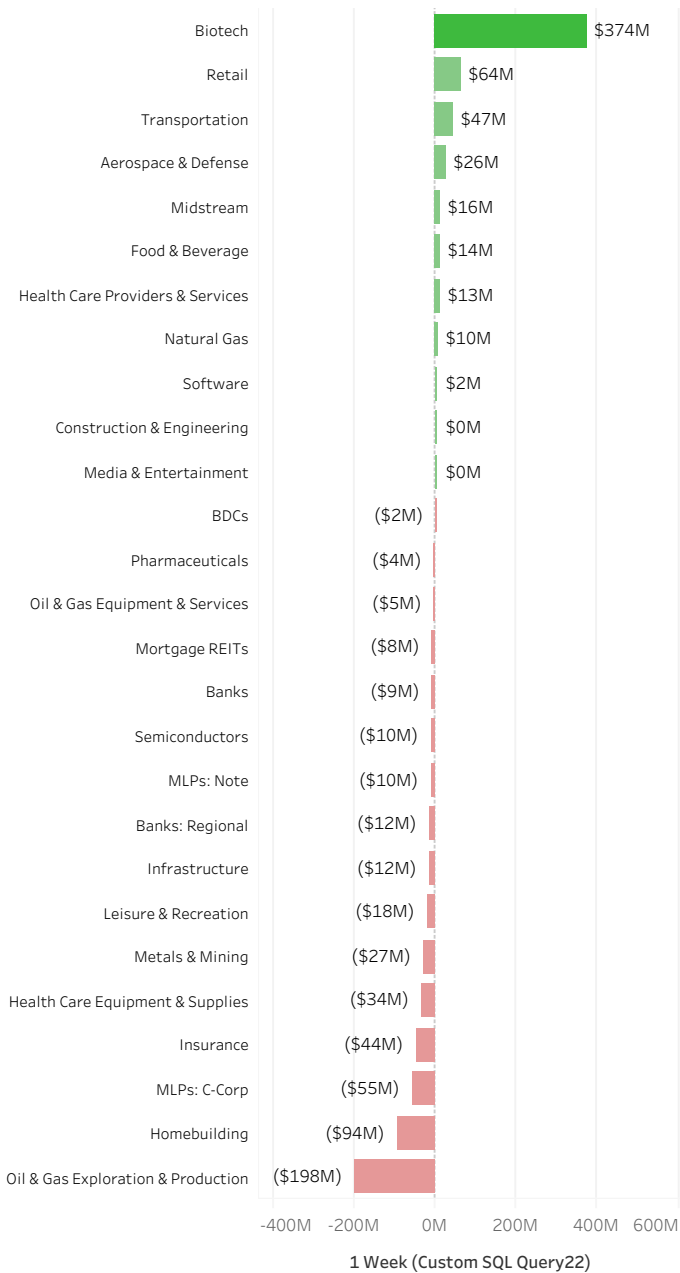
| Ticker | Fund | 1 Day Performance |
|--------|------------------------------------------------|-------------------|
| FXZ | First Trust Materials AlphaDEX Fund | -0.56% |
| FTXG | First Trust Nasdaq Food & Beverage ETF | -0.22% |
| PYZ | Invesco DWA Basic Materials Momentum ETF | -0.18% |
| FBT | First Trust NYSE Arca Biotechnology Index Fund | -0.09% |
| XME | SPDR S&P Metals & Mining ETF | -0.06% |
| ITA | iShares U.S. Aerospace & Defense ETF | 0.17% |
| IBB | iShares Biotechnology ETF | 0.18% |
| PBJ | Invesco Dynamic Food & Beverage ETF | 0.19% |
| FXG | First Trust Consumer Staples AlphaDEX Fund | 0.20% |
| PBE | Invesco Dynamic Biotechnology & Genome ETF | 0.22% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|---------------------------------------------------|-----------|
| PSI | Invesco Dynamic Semiconductors ETF | 46.34 |
| FTXG | First Trust Nasdaq Food & Beverage ETF | 46.39 |
| SOXQ | Invesco PHLX Semiconductor ETF | 47.19 |
| IYZ | iShares U.S. Telecommunications ETF | 47.29 |
| SOXX | iShares Semiconductor ETF | 47.50 |
| PSCI | Invesco S&P SmallCap Industrials ETF | 47.78 |
| FTXL | First Trust Nasdaq Semiconductor ETF | 47.89 |
| PSCT | Invesco S&P SmallCap Information Technology ETF | 47.99 |
| KBWY | Invesco KBW Premium Yield Equity REIT ETF | 48.97 |
| RHS | Invesco S&P 500 Equal Weight Consumer Staples ETF | 49.05 |

* 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 | 8 | \$13B | (\$447M) | (\$137M) | (\$632M) | (\$1,760M) |
| Consumer Discretionary | 13 | \$25B | \$442M | (\$597M) | (\$2,553M) | (\$4,401M) |
| Consumer Staples | 11 | \$29B | \$741M | \$1,522M | \$3,542M | \$6,799M |
| Energy | 34 | \$76B | (\$346M) | (\$5,273M) | (\$7,157M) | \$1,867M |
| Financials | 27 | \$62B | (\$693M) | \$66M | (\$11,858M) | (\$6,632M) |
| Health Care | 24 | \$93B | \$242M | \$1,268M | \$6,937M | \$11,258M |
| Industrial | 14 | \$29B | (\$2M) | (\$1,097M) | (\$2,751M) | (\$3,731M) |
| Materials | 10 | \$14B | (\$179M) | (\$2,921M) | (\$1,899M) | (\$1,411M) |
| Multi-Sector | 19 | \$14B | (\$118M) | (\$1,813M) | (\$3,796M) | (\$4,572M) |
| Real Estate | 25 | \$68B | (\$104M) | (\$2,555M) | (\$3,387M) | (\$921M) |
| Technology | 24 | \$114B | (\$419M) | (\$473M) | \$1,065M | \$1,521M |
| Utilities | 10 | \$29B | (\$78M) | \$1,176M | \$4,751M | \$5,139M |

U.S. Sector & Industry Flow Leaders

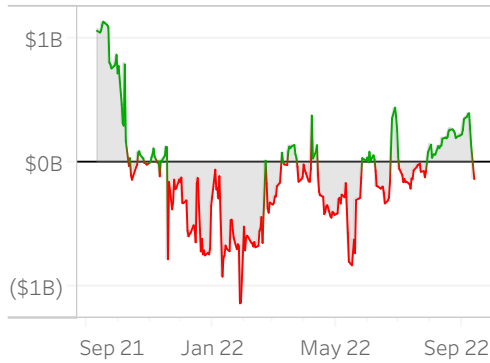
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|------------------------------------------------|--------|------------|------------|----------|-----------|
| XLP | Consumer Staples Select Sector SPDR Fund | \$687M | \$783M | \$892M | \$3,152M | \$16,374M |
| XLY | Consumer Discretionary Select Sector SPDR Fu.. | \$404M | (\$465M) | (\$478M) | (\$785M) | \$16,593M |
| XBI | SPDR S&P BIOTECH ETF | \$287M | \$287M | \$1,003M | \$3,314M | \$8,062M |
| IBB | iShares Biotechnology ETF | \$87M | \$20M | (\$29M) | (\$35M) | \$8,240M |
| IYH | iShares U.S. Healthcare ETF | \$68M | \$349M | \$405M | \$319M | \$3,196M |
| XLRE | Real Estate Select Sector SPDR Fund | \$65M | \$108M | \$510M | \$1,580M | \$5,425M |
| XRT | SPDR S&P Retail ETF | \$64M | \$14M | (\$34M) | (\$607M) | \$333M |
| VNQ | Vanguard Real Estate ETF | \$59M | (\$1,347M) | (\$1,896M) | \$316M | \$39,666M |
| XLK | Technology Select Sector SPDR Fund | \$54M | \$361M | \$1,311M | \$2,052M | \$41,402M |
| IYT | iShares US Transportation ETF | \$48M | (\$22M) | (\$561M) | (\$568M) | \$918M |

U.S. Sector & Industry Flow Laggards

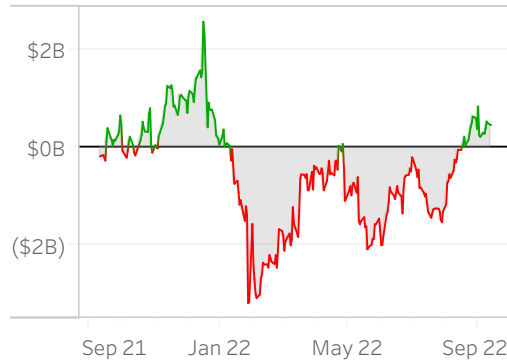
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|-------------------------------------------------|----------|------------|------------|------------|-----------|
| XLF | Financial Select Sector SPDR Fund | (\$647M) | \$785M | (\$6,472M) | (\$3,047M) | \$33,248M |
| XLC | Communication Services Select Sector SPDR Fu.. | (\$453M) | (\$89M) | (\$319M) | (\$1,349M) | \$9,350M |
| IGM | iShares Expanded Tech Sector ETF | (\$380M) | (\$493M) | (\$305M) | \$481M | \$3,287M |
| XOP | SPDR S&P Oil & Gas Exploration & Production E.. | (\$192M) | (\$507M) | (\$2,107M) | (\$625M) | \$4,479M |
| IYR | iShares U.S. Real Estate ETF | (\$190M) | (\$816M) | (\$1,007M) | (\$3,059M) | \$3,945M |
| XLV | Health Care Select Sector SPDR Fund | (\$162M) | (\$45M) | \$5,020M | \$7,045M | \$39,130M |
| XLB | Materials Select Sector SPDR Fund | (\$130M) | (\$1,325M) | (\$938M) | (\$1,793M) | \$5,593M |
| XLU | Utilities Select Sector SPDR Fund | (\$125M) | \$730M | \$3,282M | \$2,963M | \$18,299M |
| XLE | Energy Select Sector SPDR Fund | (\$119M) | (\$2,491M) | (\$2,925M) | (\$707M) | \$36,978M |
| XHB | SPDR S&P Homebuilders ETF | (\$74M) | (\$111M) | (\$389M) | (\$445M) | \$931M |

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Communication Services



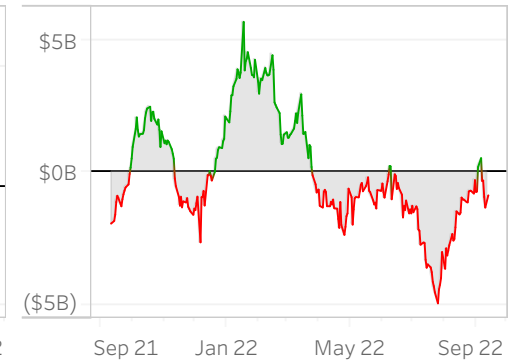
Consumer Discretionary



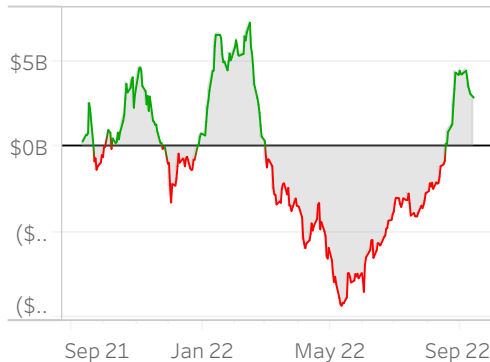
Consumer Staples



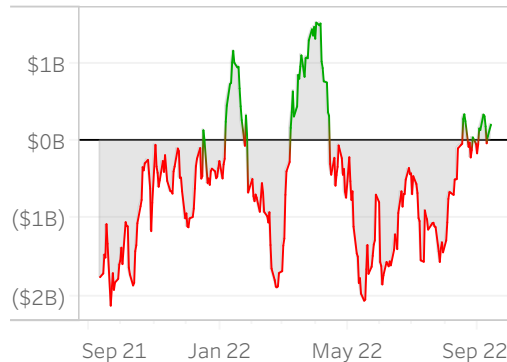
Energy



Financials



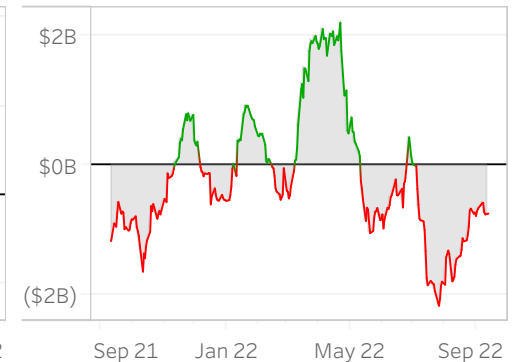
Industrial



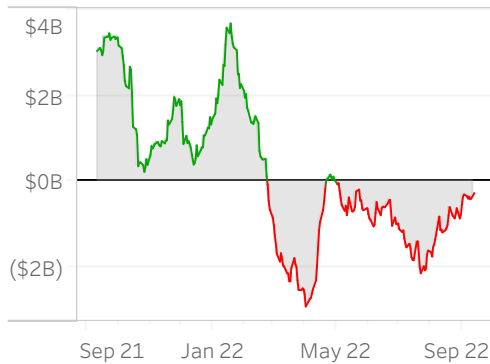
Health Care



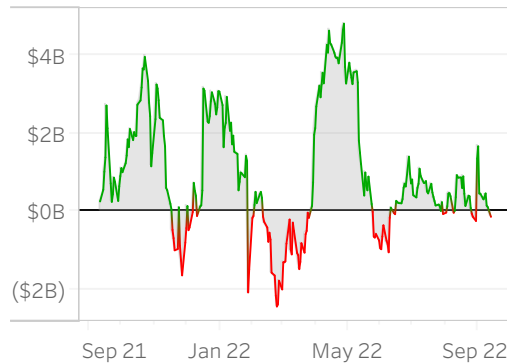
Materials



Real Estate



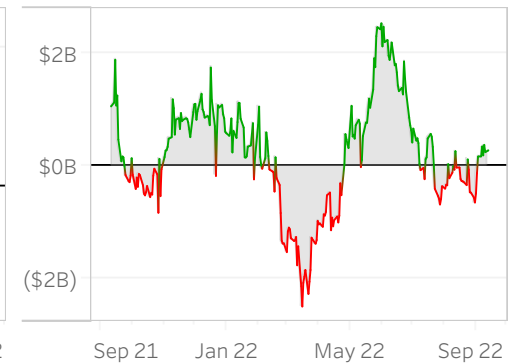
Technology



Utilities

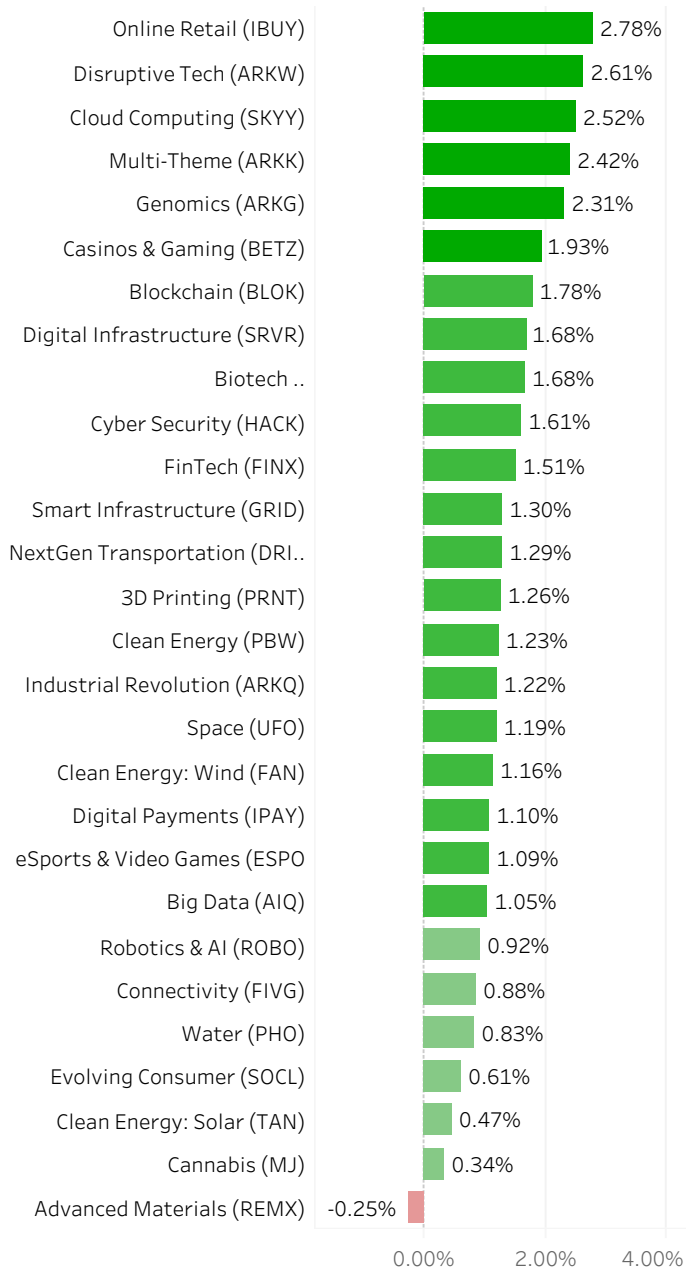


Multi-Sector

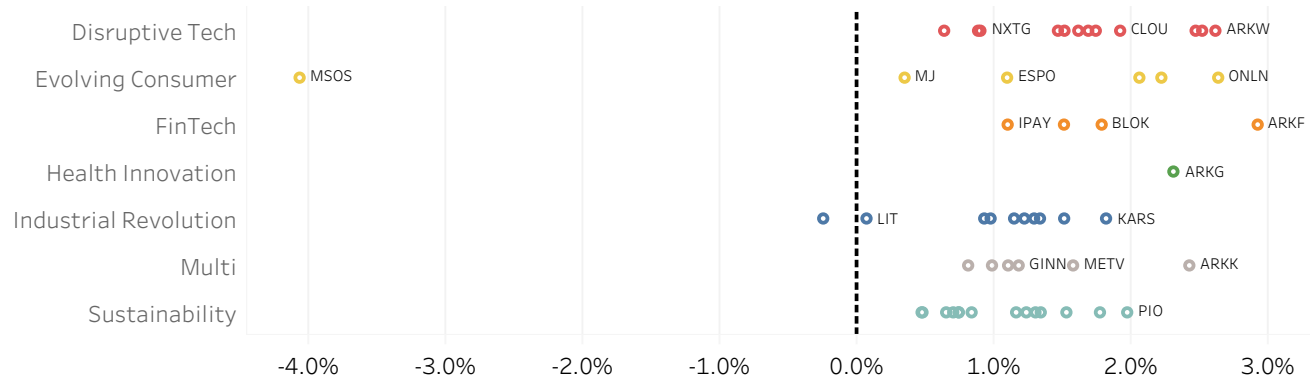


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

| Ticker | Fund | Performance (%) |
|--------|---------------------------------------------------|-----------------|
| BKCH | Global X Blockchain ETF | 3.11% |
| ARKF | ARK Fintech Innovation ETF | 2.92% |
| IBUY | Amplify Online Retail ETF | 2.78% |
| ONLN | ProShares Online Retail ETF | 2.63% |
| ARKW | ARK Next Generation Internet ETF | 2.61% |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | 2.57% |
| SKYY | First Trust Cloud Computing ETF | 2.52% |
| WCLD | WisdomTree Cloud Computing Fund | 2.47% |
| EBIZ | Global X E-Commerce ETF | 2.43% |
| ARKK | ARK Innovation ETF | 2.42% |

Thematic Most Overbought

| Ticker | Fund | Value |
|--------|-------------------------------------------------------|-------|
| ACES | ALPS Clean Energy ETF | 64.35 |
| EVX | VanEck Environmental Services ETF | 63.76 |
| QLCN | First Trust Nasdaq Clean Edge Green Energy Index Fund | 62.99 |
| REMX | VanEck Rare Earth/Strategic Metals ETF | 62.58 |
| CNRG | SPDR S&P Kensho Clean Power ETF | 61.40 |
| ICLN | iShares Global Clean Energy ETF | 61.05 |
| TAN | Invesco Solar ETF | 60.87 |
| MILN | Global X Millennial Consumer ETF | 59.03 |
| CTEC | Global X CleanTech ETF | 59.01 |
| BTEC | Principal Healthcare Innovators ETF | 59.01 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | Performance (%) |
|--------|-----------------------------------------------------|-----------------|
| MSOS | AdvisorShares Pure US Cannabis ETF | -4.07% |
| MJUS | ETFMG U.S. Alternative Harvest ETF | -2.09% |
| REMX | VanEck Rare Earth/Strategic Metals ETF | -0.25% |
| LIT | Global X Lithium & Battery Tech ETF | 0.06% |
| YOLO | AdvisorShares Pure Cannabis ETF | 0.18% |
| CTEC | Global X CleanTech ETF | 0.30% |
| KSTR | KraneShares SSE STAR Market 50 Index ETF | 0.31% |
| IDNA | iShares Genomics Immunology and Healthcare ETF Ge.. | 0.32% |
| MJ | ETFMG Alternative Harvest ETF | 0.34% |
| GDOC | Goldman Sachs Future Health Care Equity ETF | 0.37% |

Thematic Most Oversold

| Ticker | Fund | Value |
|--------|---------------------------------------------------------|-------|
| KSTR | KraneShares SSE STAR Market 50 Index ETF | 36.22 |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | 41.24 |
| YOLO | AdvisorShares Pure Cannabis ETF | 45.16 |
| MSOS | AdvisorShares Pure US Cannabis ETF | 45.34 |
| ESPO | VanEck Video Gaming and eSports ETF | 46.44 |
| GAMR | Wedbush ETFMG Video Game Tech ETF | 46.52 |
| NXTG | First Trust Indxx NextG ETF | 46.72 |
| HERO | Global X Video Games & Esports ETF | 46.84 |
| PAWZ | ProShares Pet Care ETF | 46.87 |
| VPN | Global X Data Center REITs & Digital Infrastructure ETF | 46.92 |

* 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 | \$170M |
| SKYY | First Trust Cloud Computing ETF | \$27M |
| MJUS | ETFMG U.S. Alternative Harvest ETF | \$15M |
| ARKW | ARK Next Generation Internet ETF | \$13M |
| FIW | First Trust Water ETF | \$12M |
| CLOU | Global X Cloud Computing ETF | \$8M |
| ARKF | ARK Fintech Innovation ETF | \$7M |
| KOMP | SPDR S&P Kensho New Economies Composite ETF | \$5M |
| POTX | Global X Cannabis ETF | \$3M |
| QCLN | First Trust Nasdaq Clean Edge Green Energy Index Fund | \$3M |

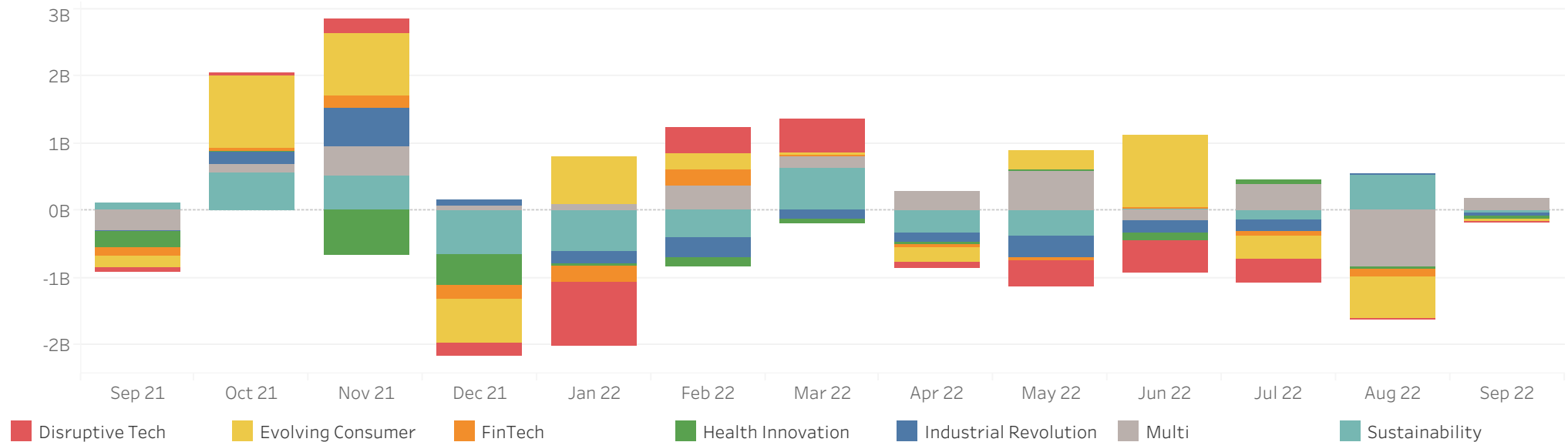
Thematic 1 Week Flow Laggards

| Ticker | Fund | Flow |
|--------|------------------------------------------------------------|---------|
| KWEB | KraneShares CSI China Internet ETF | (\$41M) |
| PBW | Invesco WilderHill Clean Energy ETF | (\$37M) |
| LIT | Global X Lithium & Battery Tech ETF | (\$25M) |
| HACK | ETFMG Prime Cyber Security ETF | (\$21M) |
| ICLN | iShares Global Clean Energy ETF | (\$16M) |
| XT | iShares Exponential Technologies ETF | (\$14M) |
| TARK | AXS 2X Innovation ETF | (\$13M) |
| BLOK | Amplify Transformational Data Sharing ETF | (\$12M) |
| SRVR | Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF | (\$12M) |
| AWAY | ETFMG Travel Tech ETF | (\$9M) |

Thematic Landscape Assets & Flows

| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|-------|-------|---------|------------|------------|------------|
| Disruptive Tech | 35 | \$19B | \$7M | (\$580M) | (\$1,199M) | (\$1,411M) |
| Evolving Consumer | 47 | \$11B | (\$29M) | (\$463M) | \$622M | \$2,314M |
| FinTech | 24 | \$3B | (\$8M) | (\$197M) | (\$253M) | (\$381M) |
| Health Innovation | 19 | \$4B | (\$19M) | (\$129M) | (\$88M) | (\$1,727M) |
| Industrial Revolution | 32 | \$12B | (\$11M) | (\$355M) | (\$954M) | (\$630M) |
| Multi | 41 | \$16B | \$202M | (\$43M) | \$197M | \$1,430M |
| Sustainability | 42 | \$21B | (\$27M) | \$442M | (\$288M) | (\$195M) |
| Grand Total | 240 | \$85B | \$115M | (\$1,325M) | (\$1,963M) | (\$599M) |

Thematic Monthly Flows

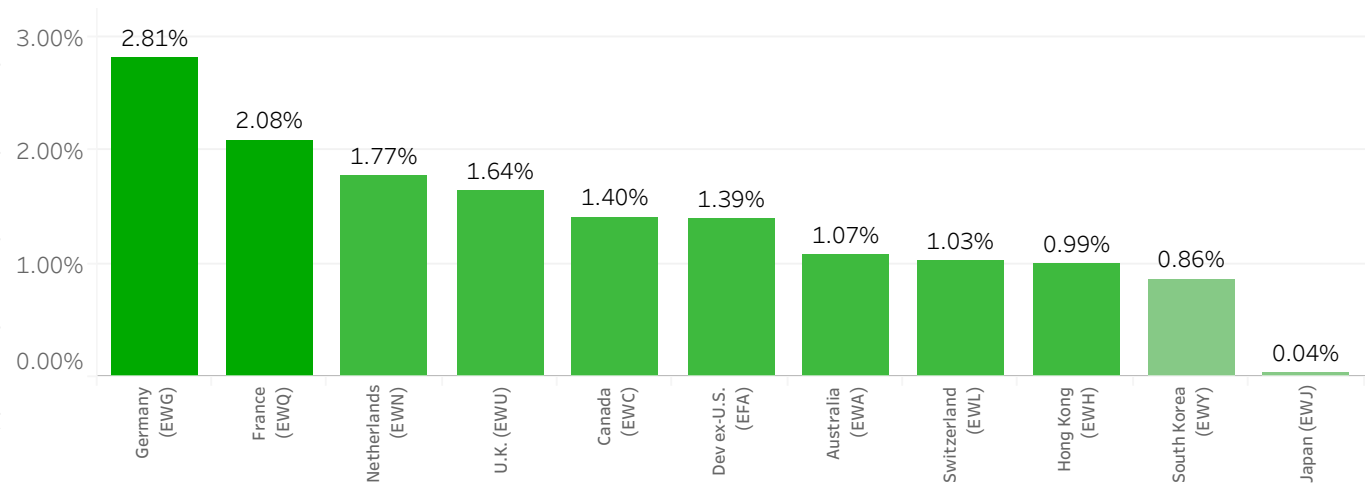


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

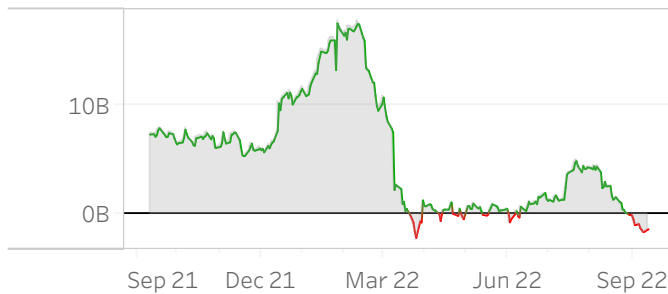
Developed ex-U.S. (EFA)



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



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



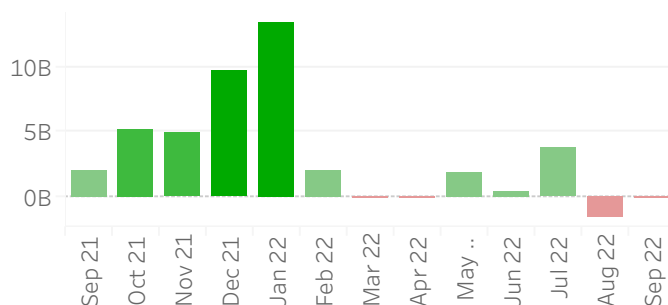
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|-------------------------------------------------------|-------------------|
| EWD | iShares MSCI Sweden ETF | 3.08% |
| EWG | iShares MSCI Germany ETF | 2.81% |
| EWO | iShares MSCI Austria ETF | 2.74% |
| EWI | iShares MSCI Italy ETF | 2.64% |
| FEZ | SPDR EURO STOXX 50 ETF | 2.40% |
| FDD | First Trust Stoxx European Select Dividend Index Fund | 2.34% |
| EZU | iShares MSCI Eurozone ETF | 2.33% |
| FEP | First Trust Europe AlphaDEX Fund | 2.18% |
| DFE | WisdomTree Europe SmallCap Dividend Fund | 2.09% |
| EWP | iShares MSCI Spain ETF | 2.09% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Price |
|--------|---------------------------------------------------------|-------|
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | 60.10 |
| HEWJ | iShares Currency Hedged MSCI Japan ETF | 59.56 |
| DXJ | WisdomTree Japan Hedged Equity Fund | 59.33 |
| EWO | iShares MSCI Austria ETF | 58.89 |
| EWP | iShares MSCI Spain ETF | 58.87 |
| EWI | iShares MSCI Italy ETF | 58.60 |
| DDWM | WisdomTree Dynamic Currency Hedged International Equi.. | 58.53 |
| BBCA | JPMorgan BetaBuilders Canada ETF | 58.32 |
| EWS | iShares MSCI Singapore ETF | 58.26 |
| FLCA | Franklin FTSE Canada ETF | 57.63 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund | 1-Day Performance |
|--------|------------------------------------------------|-------------------|
| DFJ | WisdomTree Japan SmallCap Dividend Fund | -0.22% |
| EWJV | iShares MSCI Japan Value ETF | -0.21% |
| JPXN | iShares JPX-Nikkei 400 ETF | -0.13% |
| DXJ | WisdomTree Japan Hedged Equity Fund | -0.09% |
| FLJP | Franklin FTSE Japan ETF | -0.04% |
| EWJ | iShares MSCI Japan ETF | 0.04% |
| CIL | VictoryShares International Volatility Wtd ETF | 0.08% |
| PTIN | Pacer Trendpilot International ETF | 0.09% |
| BBJP | JPMorgan BetaBuilders Japan ETF | 0.14% |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | 0.14% |

Developed ex-U.S. Most Oversold

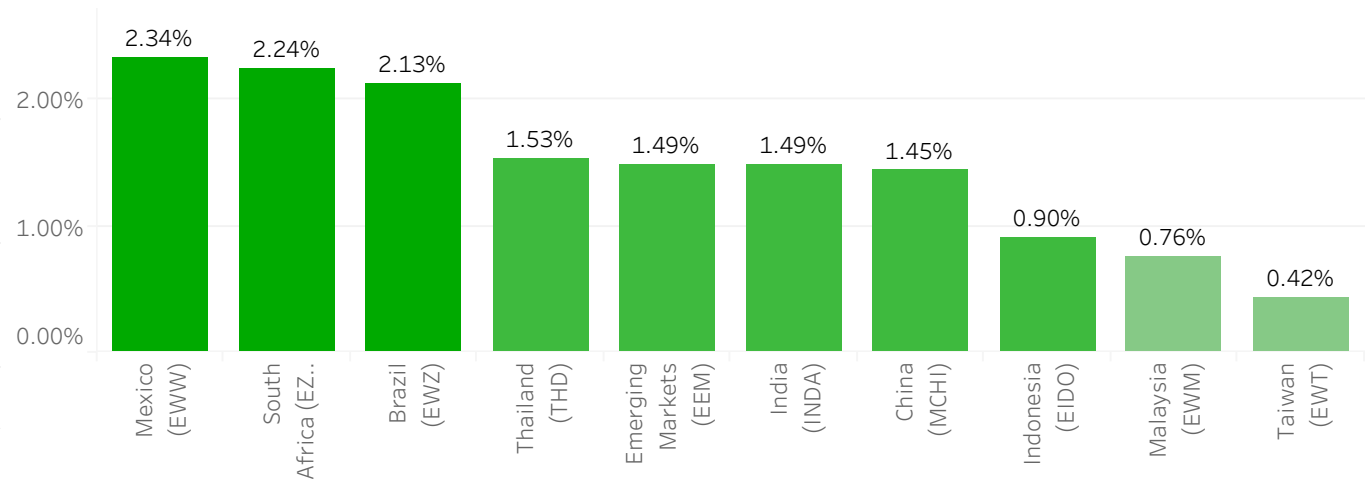
| Ticker | Fund | Price |
|--------|-----------------------------------------|-------|
| DFJ | WisdomTree Japan SmallCap Dividend Fund | 42.54 |
| EWY | iShares MSCI South Korea ETF | 42.62 |
| FLJP | Franklin FTSE Japan ETF | 43.03 |
| EWJ | iShares MSCI Japan ETF | 43.31 |
| BBJP | JPMorgan BetaBuilders Japan ETF | 43.44 |
| EWJV | iShares MSCI Japan Value ETF | 43.50 |
| JPXN | iShares JPX-Nikkei 400 ETF | 43.80 |
| SCJ | iShares MSCI Japan Small-Cap ETF | 44.77 |
| AIA | iShares Asia 50 ETF | 45.71 |
| NORW | Global X MSCI Norway ETF | 45.87 |

* 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



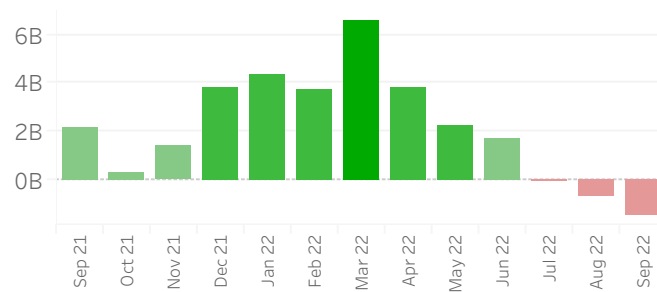
Emerging 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|------------------------------------------------------|-------------------|
| TUR | iShares MSCI Turkey ETF | 5.03% |
| PGJ | Invesco Golden Dragon China ETF | 2.61% |
| EWW | iShares MSCI Mexico ETF | 2.34% |
| EZA | iShares MSCI South Africa ETF | 2.24% |
| KSA | iShares MSCI Saudi Arabia ETF | 2.20% |
| FLBR | Franklin FTSE Brazil ETF | 2.16% |
| EWZ | iShares MSCI Brazil ETF | 2.13% |
| NUEM | Nuveen ESG Emerging Markets Equity ETF | 2.10% |
| FEMS | First Trust Emerging Markets Small Cap AlphaDEX Fund | 2.03% |
| EPOL | iShares MSCI Poland ETF | 1.95% |

Emerging Most Overbought

| Ticker | Fund | Value |
|--------|------------------------------------------------------|-------|
| TUR | iShares MSCI Turkey ETF | 86.39 |
| SMIN | iShares MSCI India Small Cap ETF | 73.30 |
| FEMS | First Trust Emerging Markets Small Cap AlphaDEX Fu.. | 70.88 |
| EIDO | iShares MSCI Indonesia ETF | 70.37 |
| FLIN | Franklin FTSE India ETF | 67.46 |
| EPI | WisdomTree India Earnings Fund | 67.26 |
| EYLD | Cambria Emerging Shareholder Yield ETF | 66.33 |
| INDA | iShares MSCI India ETF | 65.54 |
| PIN | Invesco India ETF | 64.63 |
| INDY | iShares India 50 ETF | 64.38 |

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|------------------------------------------------------|-------------------|
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | 0.30% |
| ECH | iShares MSCI Chile ETF | 0.42% |
| EWT | iShares MSCI Taiwan ETF | 0.42% |
| CNYA | iShares MSCI China A ETF | 0.47% |
| RAYC | Rayliant Quantamental China Equity ETF | 0.51% |
| PIE | Invesco DWA Emerging Markets Momentum ETF | 0.52% |
| EDIV | SPDR S&P Emerging Markets Dividend ETF | 0.56% |
| KBA | KraneShares Bosera MSCI China A 50 Connect Index ETF | 0.63% |
| DBEM | Xtrackers MSCI Emerging Markets Hedged Equity ETF | 0.66% |
| EELV | Invesco S&P Emerging Markets Low Volatility ETF | 0.69% |

Emerging Most Oversold

| Ticker | Fund | Value |
|--------|-----------------------------------------------------|-------|
| RAYC | Rayliant Quantamental China Equity ETF | 44.74 |
| EWT | iShares MSCI Taiwan ETF | 45.20 |
| KBA | KraneShares Bosera MSCI China A 50 Connect Index .. | 45.43 |
| CNYA | iShares MSCI China A ETF | 45.94 |
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | 46.15 |
| QAT | iShares MSCI Qatar ETF | 46.38 |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | 46.87 |
| EDIV | SPDR S&P Emerging Markets Dividend ETF | 48.13 |
| ECNS | iShares MSCI China Small-Cap ETF | 48.16 |
| KSA | iShares MSCI Saudi Arabia ETF | 48.41 |

*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 | -0.15% | -3.19% | -11.46% |
| SHY | 1-3 Year Treasury Bonds | -0.01% | -0.45% | -3.52% |
| IEF | 7-10 Year Treasury Bonds | -0.24% | -3.89% | -12.61% |
| TLT | 20+ Year Treasury Bonds | -0.82% | -6.84% | -26.52% |
| TIP | TIPS Bonds | -0.30% | -2.85% | -9.08% |
| FLOT | Floating Rate Bonds | -0.02% | 0.45% | 0.02% |
| LQD | Investment Grade Corporate | -0.22% | -5.07% | -16.87% |
| HYG | High Yield Corporate | 0.30% | -3.20% | -9.73% |
| BKLN | Senior Loan | 0.29% | -1.17% | -2.21% |
| PFF | Preferred & Income Securities | 0.75% | -4.52% | -12.62% |
| MUB | Municipal Bonds | 0.09% | -2.23% | -8.14% |
| MBB | MBS | -0.10% | -3.62% | -10.09% |
| EMB | Dollar Denominated EM Bonds | -0.03% | -4.16% | -18.60% |
| LEMB | Local Currency EM Bond | 0.47% | -2.48% | -12.90% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|-------------------------|--------|---------|---------|
| DJP | Broad Commodities | 2.21% | -1.96% | 25.47% |
| DBE | Energy | 1.47% | -2.09% | 45.37% |
| USO | WTI Crude Oil | 1.79% | -3.48% | 33.13% |
| BNO | Brent Crude Oil | 1.68% | -3.29% | 41.80% |
| UNG | Natural Gas | 4.02% | -4.13% | 132.27% |
| UGA | Gasoline | 1.55% | -12.45% | 31.18% |
| DBP | Precious Metals | 1.38% | -4.70% | -8.98% |
| GLD | Gold | 0.51% | -4.31% | -6.04% |
| SLV | Silver | 4.91% | -5.22% | -15.53% |
| PPLT | abrdn Physical Platin.. | 2.99% | -5.79% | -6.43% |
| PALL | abrdn Physical Palla.. | 4.79% | 2.80% | 19.77% |
| DBB | Base Metals | 1.05% | -4.75% | -13.52% |
| CPER | Copper | 1.78% | -2.03% | -20.07% |
| LD | Lead | 1.26% | -13.26% | -16.67% |
| JJN | Nickel | 5.31% | 4.59% | 18.03% |
| JJU | Aluminum | 0.14% | -6.19% | -18.47% |
| JJT | Tin | 0.79% | -14.55% | -43.14% |
| DBA | Agriculture | 0.68% | 0.73% | 5.37% |
| CORN | Corn | 1.25% | 7.18% | 28.13% |
| SOYB | Soybeans | 4.28% | 2.36% | 22.20% |
| WEAT | Wheat | -0.68% | 4.54% | 18.40% |
| CANE | Sugar | 0.45% | -1.74% | -2.07% |
| BAL | Cotton | 0.85% | -4.16% | 13.55% |
| NIB | Cocoa | 0.74% | -0.59% | -13.52% |
| JO | Coffee | -1.97% | 1.36% | 2.48% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|---------|
| UUP | Long Dollar | -0.51% | 2.80% | 13.30% |
| UDN | Short Dollar | 0.71% | -2.57% | -12.10% |
| FXE | Euro | 0.71% | -1.49% | -11.69% |
| FXB | British Pound Sterling | 0.73% | -3.74% | -13.71% |
| FXF | Swiss Franc | 0.66% | -1.39% | -5.17% |
| FXJ | Japanese Yen | -0.09% | -6.61% | -19.67% |
| FXC | Canadian Dollar | 0.28% | -1.68% | -2.76% |
| FXA | Australian Dollar | 0.55% | -3.37% | -5.45% |

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