

### Large Cap Blend (S&P 500) IVV



### Mid Cap Blend (S&P 400) IJH

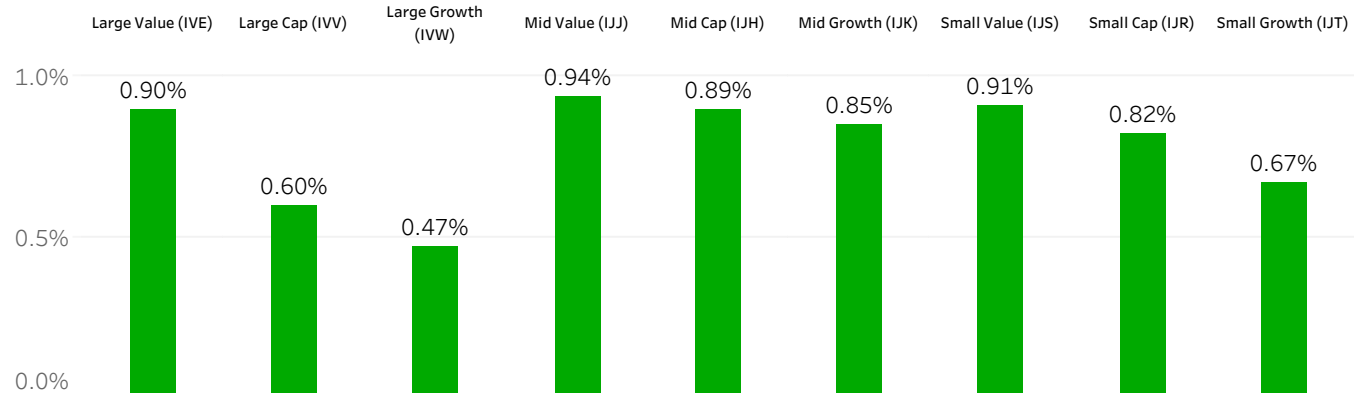


### Small Cap Blend (S&P 600) IJR



■ 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 |
|--------|--|-------------|
| USNZ   | Xtrackers Net Zero Pathway Paris Aligned US Equity ETF | 1.70%       |
| TPHD   | Timothy Plan High Dividend Stock ETF                   | 1.39%       |
| FYC    | First Trust Small Cap Growth AlphaDEX Fund             | 1.33%       |
| IWC    | iShares Micro-Cap ETF                                  | 1.31%       |
| MOAT   | VanEck Morningstar Wide Moat ETF                       | 1.26%       |
| JSMD   | Janus Henderson Small/Mid Cap Growth Alpha ETF         | 1.25%       |
| VOT    | Vanguard Mid-Cap Growth ETF                            | 1.22%       |
| ISCG   | iShares Morningstar Small-Cap Growth ETF               | 1.18%       |
| RWK    | Invesco S&P MidCap 400 Revenue ETF                     | 1.13%       |
| KRMA   | Global X Conscious Companies ETF                       | 1.11%       |

### Size & Style Most Overbought

| Ticker | Fund  | Value |
|--------|---|-------|
| SPC    | CrossingBridge Pre-Merger SPAC ETF                | 60.05 |
| SIXL   | ETC 6 Meridian Low Beta Equity ETF                | 47.25 |
| ACSI   | American Customer Satisfaction ETF                | 46.78 |
| VFMV   | Vanguard U.S. Minimum Volatility ETF              | 46.75 |
| DUSA   | Davis Select U.S. Equity ETF                      | 46.43 |
| AUSF   | Global X Adaptive U.S. Factor ETF                 | 46.26 |
| SIXS   | ETC 6 Meridian Small Cap Equity ETF               | 45.99 |
| SPLV   | Invesco S&P 500 Low Volatility ETF                | 45.87 |
| DJD    | Invesco Dow Jones Industrial Average Dividend ETF | 45.81 |
| LGLV   | SPDR SSGA US Large Cap Low Volatility Index ETF   | 45.70 |

### Size & Style 1-Day Performance Laggards

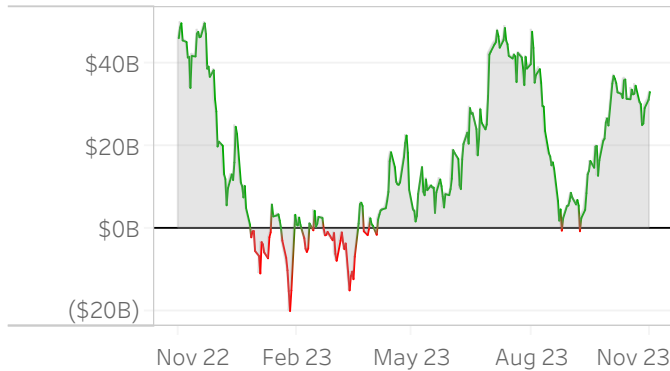
| Ticker | Fund   | Performance |
|--------|--|-------------|
| PTMC   | Pacer Trendpilot US Mid Cap ETF                        | -0.07%      |
| LSAT   | Leadershares Alphafactor Tactical Focused ETF          | 0.03%       |
| SPMO   | Invesco S&P 500 Momentum ETF                           | 0.05%       |
| RPHS   | Regents Park Hedged Market Strategy ETF                | 0.06%       |
| SPC    | CrossingBridge Pre-Merger SPAC ETF                     | 0.10%       |
| XSVM   | Invesco S&P SmallCap Value with Momentum ETF           | 0.11%       |
| CDC    | VictoryShares US EQ Income Enhanced Volatility Wtd ETF | 0.18%       |
| QQH    | HCM Defender 100 Index ETF                             | 0.20%       |
| PEY    | Invesco High Yield Equity Dividend Achievers ETF       | 0.22%       |
| FYT    | First Trust Small Cap Value AlphaDEX Fund              | 0.25%       |

### Size & Style Most Oversold

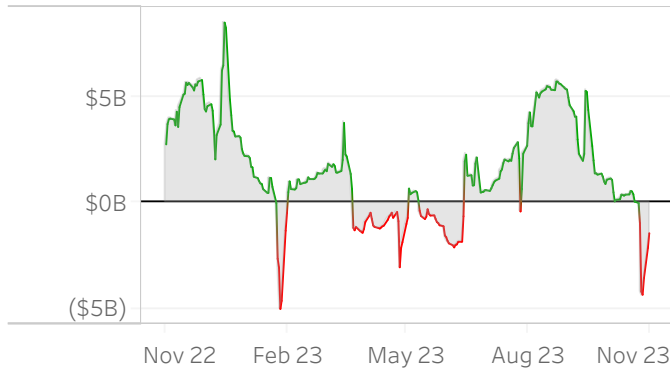
| Ticker | Fund                                   | Value |
|--------|--|-------|
| ALTL   | Pacer Lunt Large Cap Alternator ETF    | 31.24 |
| SPHB   | Invesco S&P 500 High Beta ETF          | 31.24 |
| QQQJ   | Invesco NASDAQ Next Gen 100 ETF        | 32.32 |
| VOT    | Vanguard Mid-Cap Growth ETF            | 33.54 |
| PTMC   | Pacer Trendpilot US Mid Cap ETF        | 33.88 |
| FFTY   | Innovator IBD 50 ETF                   | 34.15 |
| VTWG   | Vanguard Russell 2000 Growth ETF       | 34.33 |
| IMCG   | iShares Morningstar Mid-Cap Growth ETF | 34.52 |
| NUMG   | Nuveen ESG Mid-Cap Growth ETF          | 34.53 |
| QQQN   | VictoryShares Nasdaq Next 50 ETF       | 34.74 |

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

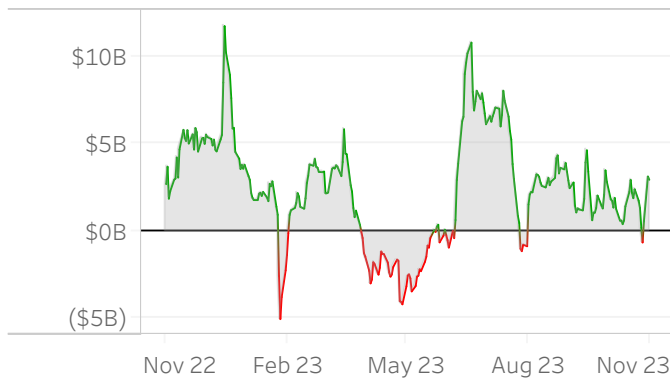
### Large-Cap 30-Day Rolling Flows



### 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    | \$1,393B | \$7.73B   | \$28.81B  | \$83.87B  | \$67.42B  |
| Large Cap, Beta, Beta: Growth | 10    | \$270B   | \$0.86B   | \$7.32B   | \$8.92B   | \$17.73B  |
| Large Cap, Beta, Beta: Value  | 11    | \$207B   | (\$0.22B) | \$0.87B   | (\$2.62B) | (\$7.74B) |
| Mid Cap, Beta, Beta           | 10    | \$177B   | \$0.01B   | \$1.53B   | \$5.30B   | \$10.13B  |
| Mid Cap, Beta, Beta: Growth   | 6     | \$32B    | (\$0.06B) | (\$0.34B) | \$0.50B   | \$0.43B   |
| Mid Cap, Beta, Beta: Value    | 6     | \$35B    | (\$0.04B) | (\$0.69B) | (\$1.72B) | (\$2.65B) |
| Small Cap, Beta, Beta         | 11    | \$180B   | \$0.81B   | \$1.83B   | \$8.13B   | \$10.14B  |
| Small Cap, Beta, Beta: Growth | 7     | \$29B    | \$0.11B   | \$0.14B   | \$0.36B   | \$0.74B   |
| Small Cap, Beta, Beta: Value  | 7     | \$43B    | (\$0.08B) | (\$0.85B) | (\$1.33B) | (\$1.00B) |

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

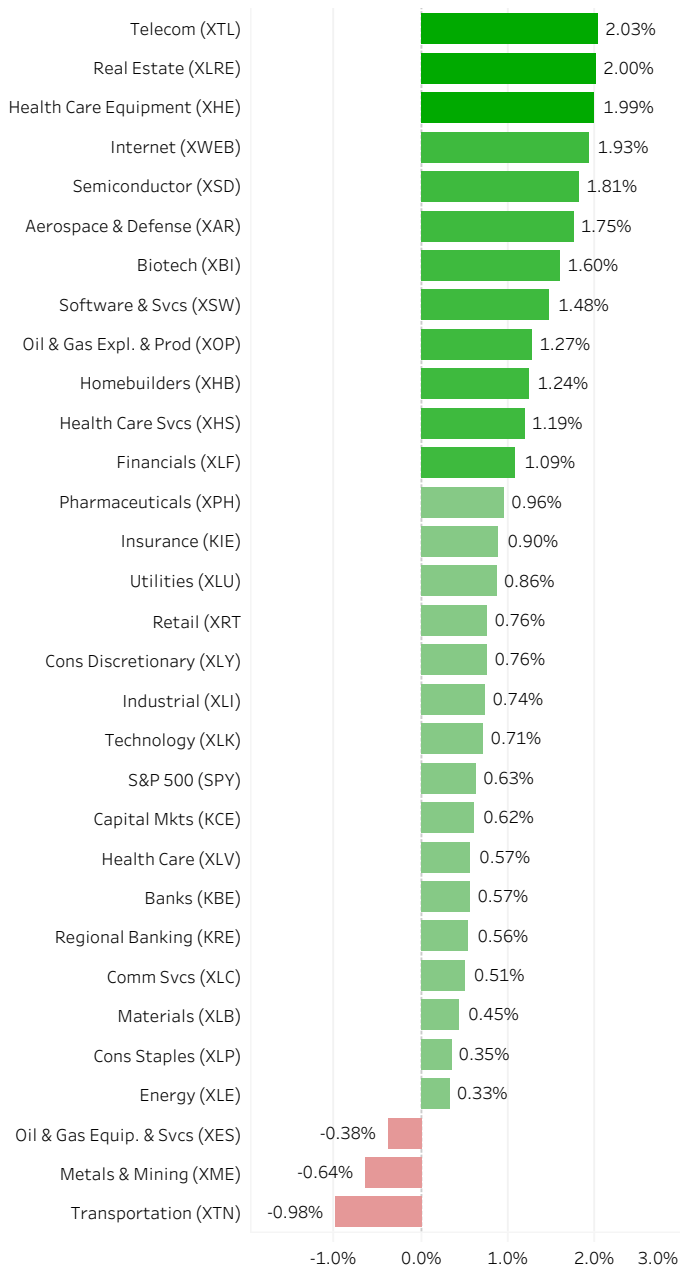
| Ticker | Fund                                | 1 Week  | 3 Month   | 6 Month   | 1 Year    | AUM       |
|--------|-------------------------------------|---------|-----------|-----------|-----------|-----------|
| SPY    | SPDR S&P 500 ETF Trust              | \$7.33B | (\$3.64B) | \$13.01B  | (\$8.69B) | \$391.21B |
| IWM    | iShares Russell 2000 ETF            | \$0.72B | \$0.07B   | \$2.10B   | (\$0.04B) | \$47.33B  |
| IVV    | iShares Core S&P 500 ETF            | \$0.64B | \$16.16B  | \$29.09B  | \$24.04B  | \$339.05B |
| VOO    | Vanguard S&P 500 ETF                | \$0.62B | \$7.50B   | \$24.71B  | \$31.93B  | \$316.58B |
| RSP    | Invesco S&P 500 Equal Weight ETF    | \$0.42B | (\$0.44B) | \$7.37B   | \$9.08B   | \$37.96B  |
| SPLG   | SPDR Portfolio S&P 500 ETF          | \$0.42B | \$1.60B   | \$2.87B   | \$4.07B   | \$19.68B  |
| VONG   | Vanguard Russell 1000 Growth ETF    | \$0.35B | \$1.44B   | \$1.69B   | \$3.79B   | \$13.81B  |
| USMV   | iShares MSCI USA Min Vol Factor ETF | \$0.29B | (\$0.65B) | (\$1.88B) | (\$2.88B) | \$26.61B  |
| IWF    | iShares Russell 1000 Growth ETF     | \$0.28B | \$1.65B   | \$1.22B   | (\$0.87B) | \$68.22B  |
| VUG    | Vanguard Growth ETF                 | \$0.22B | \$1.90B   | \$0.99B   | \$4.23B   | \$88.09B  |

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

| Ticker | Fund   | 1 Week    | 3 Month   | 6 Month   | 1 Year    | AUM       |
|--------|--|-----------|-----------|-----------|-----------|-----------|
| QQQ    | Invesco QQQ Trust Series I                     | (\$1.52B) | \$2.49B   | \$6.00B   | \$5.33B   | \$193.68B |
| VTV    | Vanguard Value ETF                             | (\$0.58B) | (\$0.10B) | (\$3.11B) | (\$4.65B) | \$93.88B  |
| DIA    | SPDR Dow Jones Industrial Average ETF Trust    | (\$0.47B) | (\$2.28B) | (\$0.74B) | (\$2.79B) | \$26.68B  |
| IJH    | iShares Core S&P Mid-Cap ETF                   | (\$0.18B) | \$0.22B   | \$3.47B   | \$6.20B   | \$65.33B  |
| ESGU   | iShares ESG Aware MSCI USA ETF                 | (\$0.15B) | (\$0.53B) | (\$2.13B) | (\$9.48B) | \$11.56B  |
| MDY    | SPDR S&P Midcap 400 ETF Trust                  | (\$0.13B) | (\$0.18B) | (\$0.59B) | (\$0.14B) | \$17.15B  |
| FTCS   | First Trust Capital Strength ETF               | (\$0.09B) | (\$0.29B) | (\$0.45B) | (\$0.05B) | \$8.09B   |
| FVD    | First Trust Value Line Dividend Index Fund     | (\$0.08B) | (\$0.78B) | (\$0.97B) | (\$1.20B) | \$10.14B  |
| SUSA   | iShares MSCI USA ESG Select ETF                | (\$0.07B) | \$0.93B   | \$1.32B   | \$1.11B   | \$4.42B   |
| FDL    | First Trust Morningstar Dividend Leaders Ind.. | (\$0.07B) | (\$0.29B) | (\$0.91B) | \$0.41B   | \$3.78B   |

\* 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 | -5.94%          | 38.65%         | -2.77%             | 4.31%               | 43.08     |
| SPY    | SPDR S&P 500 ETF Trust                         | -8.65%          | 11.03%         | -3.76%             | -1.41%              | 40.35     |
| XLK    | Technology Select Sector SPDR Fund             | -9.01%          | 35.34%         | -2.51%             | 3.09%               | 45.19     |
| XLE    | Energy Select Sector SPDR Fund                 | -9.45%          | 11.23%         | -4.68%             | 0.36%               | 37.23     |
| XLV    | Health Care Select Sector SPDR Fund            | -11.11%         | 1.14%          | -4.49%             | -5.04%              | 33.41     |
| XLI    | Industrial Select Sector SPDR Fund             | -11.19%         | 1.99%          | -4.48%             | -4.24%              | 40.70     |
| XLB    | Materials Select Sector SPDR Fund              | -11.27%         | 2.15%          | -3.98%             | -5.40%              | 43.54     |
| XLP    | Consumer Staples Select Sector SPDR Fund       | -12.44%         | 2.48%          | -2.60%             | -7.14%              | 47.61     |
| XLF    | Financial Select Sector SPDR Fund              | -12.54%         | 4.45%          | -3.53%             | -3.98%              | 43.70     |
| XLY    | Consumer Discretionary Select Sector SPDR Fund | -14.05%         | 20.47%         | -6.43%             | -3.13%              | 39.46     |
| XLU    | Utilities Select Sector SPDR Fund              | -17.86%         | 6.23%          | -2.09%             | -8.63%              | 50.74     |
| XLRE   | Real Estate Select Sector SPDR Fund            | -20.87%         | 2.83%          | -5.11%             | -10.29%             | 44.52     |

### Sector & Industry 1 Day Performance Leaders

| Ticker | Fund  | 1 Day Performance |
|--------|---|-------------------|
| REM    | iShares Mortgage Real Estate ETF              | 2.64%             |
| MORT   | VanEck Mortgage REIT Income ETF               | 2.60%             |
| PTH    | Invesco Dorsey Wright Healthcare Momentum ETF | 2.06%             |
| XLRE   | Real Estate Select Sector SPDR Fund           | 2.00%             |
| XHE    | SPDR S&P Health Care Equipment ETF            | 1.99%             |
| ITA    | iShares U.S. Aerospace & Defense ETF          | 1.99%             |
| IYZ    | iShares U.S. Telecommunications ETF           | 1.97%             |
| KBWD   | Invesco KBW High Dividend Yield Financial ETF | 1.97%             |
| ICF    | iShares Cohen & Steers REIT ETF               | 1.96%             |
| DFAR   | Dimensional US Real Estate ETF                | 1.88%             |

### Sector & Industry Most Overbought

| Ticker | Fund  | RSI (14D) |
|--------|---|-----------|
| ITA    | iShares U.S. Aerospace & Defense ETF          | 57.04     |
| KBWP   | Invesco KBW Property & Casualty Insurance ETF | 56.55     |
| IAK    | iShares U.S. Insurance ETF                    | 54.10     |
| PPA    | Invesco Aerospace & Defense ETF               | 51.97     |
| XAR    | SPDR S&P Aerospace & Defense ETF              | 51.81     |
| IDU    | iShares U.S. Utilities ETF                    | 50.79     |
| XLU    | Utilities Select Sector SPDR Fund             | 50.74     |
| FUTY   | Fidelity MSCI Utilities Index ETF             | 50.10     |
| RSPU   | Invesco S&P 500 Equal Weight Utilities ETF    | 49.92     |
| KIE    | SPDR S&P Insurance ETF                        | 49.90     |

### Sector & Industry 1 Day Performance Laggards

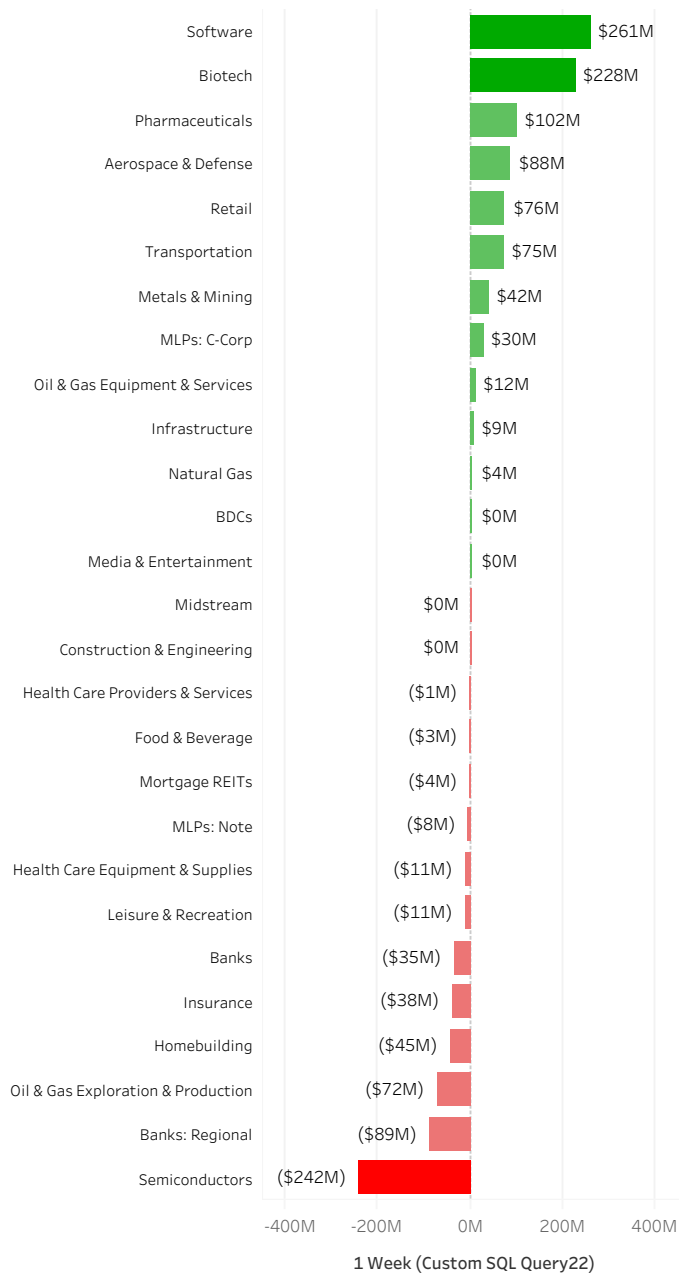
| Ticker | Fund   | 1 Day Performance |
|--------|--|-------------------|
| PSCC   | Invesco S&P SmallCap Consumer Staples ETF          | -1.49%            |
| XTN    | SPDR S&P Transportation ETF                        | -0.98%            |
| XME    | SPDR S&P Metals & Mining ETF                       | -0.64%            |
| PSL    | Invesco Dorsey Wright Consumer Staples Momentum .. | -0.50%            |
| IEZ    | iShares U.S. Oil Equipment & Services ETF          | -0.48%            |
| XES    | SPDR S&P Oil & Gas Equipment & Services ETF        | -0.38%            |
| IHE    | iShares U.S. Pharmaceuticals ETF                   | -0.22%            |
| PSCE   | Invesco S&P SmallCap Energy ETF                    | -0.09%            |
| FXZ    | First Trust Materials AlphaDEX Fund                | -0.08%            |
| RSPM   | Invesco S&P 500 Equal Weight Materials ETF         | 0.05%             |

### Sector & Industry Most Oversold

| Ticker | Fund   | RSI (14D) |
|--------|--|-----------|
| RSPH   | Invesco S&P 500 Equal Weight Health Care ETF   | 26.34     |
| FBT    | First Trust NYSE Arca Biotechnology Index Fund | 26.42     |
| XPH    | SPDR S&P Pharmaceuticals ETF                   | 27.90     |
| FXH    | First Trust Health Care AlphaDEX Fund          | 28.05     |
| PSI    | Invesco Semiconductors ETF                     | 28.82     |
| IHE    | iShares U.S. Pharmaceuticals ETF               | 29.31     |
| XTN    | SPDR S&P Transportation ETF                    | 30.26     |
| IBB    | iShares Biotechnology ETF                      | 30.57     |
| XSD    | SPDR S&P Semiconductor ETF                     | 30.89     |
| XHE    | SPDR S&P Health Care Equipment ETF             | 31.31     |

\* 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     | \$17B  | (\$538M)   | (\$522M)   | \$1,270M   | \$2,435M   |
| Consumer Discretionary | 12    | \$23B  | (\$424M)   | (\$377M)   | \$769M     | \$1,038M   |
| Consumer Staples       | 10    | \$26B  | (\$226M)   | (\$2,343M) | (\$2,447M) | (\$25M)    |
| Energy                 | 31    | \$73B  | (\$495M)   | \$2,676M   | (\$417M)   | (\$6,851M) |
| Financials             | 26    | \$49B  | (\$1,462M) | (\$7,456M) | (\$5,637M) | (\$4,176M) |
| Health Care            | 23    | \$78B  | (\$250M)   | (\$3,140M) | (\$3,811M) | (\$6,166M) |
| Industrial             | 13    | \$31B  | (\$217M)   | (\$1,038M) | \$836M     | \$2,392M   |
| Materials              | 9     | \$11B  | (\$344M)   | (\$1,724M) | (\$2,403M) | (\$1,866M) |
| Multi-Sector           | 18    | \$16B  | (\$240M)   | (\$725M)   | \$1,989M   | \$1,643M   |
| Real Estate            | 25    | \$48B  | (\$233M)   | (\$526M)   | (\$188M)   | (\$2,928M) |
| Technology             | 23    | \$142B | (\$350M)   | \$2,041M   | \$1,916M   | \$520M     |
| Utilities              | 9     | \$20B  | (\$405M)   | (\$1,267M) | (\$1,522M) | (\$1,638M) |

### U.S. Sector & Industry Flow Leaders

| Ticker | Fund                                      | 1 Week | 3 Month  | 6 Month  | 1 Year   | AUM       |
|--------|---|--------|----------|----------|----------|-----------|
| IGV    | iShares Expanded Tech-Software Sector ETF | \$263M | (\$520M) | (\$22M)  | (\$624M) | \$5,786M  |
| XBI    | SPDR S&P BIOTECH ETF                      | \$219M | (\$34M)  | (\$101M) | (\$972M) | \$5,079M  |
| IHE    | iShares U.S. Pharmaceuticals ETF          | \$102M | \$162M   | \$144M   | \$118M   | \$503M    |
| IYW    | iShares U.S. Technology ETF               | \$83M  | \$833M   | (\$399M) | \$337M   | \$11,402M |
| XRT    | SPDR S&P Retail ETF                       | \$76M  | (\$93M)  | (\$73M)  | (\$73M)  | \$326M    |
| IYT    | iShares US Transportation ETF             | \$76M  | (\$225M) | \$6M     | \$18M    | \$790M    |
| ITA    | iShares U.S. Aerospace & Defense ETF      | \$59M  | (\$141M) | (\$505M) | \$1,086M | \$5,099M  |
| XME    | SPDR S&P Metals & Mining ETF              | \$42M  | (\$207M) | (\$345M) | (\$231M) | \$1,621M  |
| IBB    | iShares Biotechnology ETF                 | \$29M  | (\$329M) | (\$498M) | (\$802M) | \$6,370M  |
| AML    | Alerian MLP ETF                           | \$29M  | \$232M   | \$96M    | \$135M   | \$7,082M  |

### U.S. Sector & Industry Flow Laggards

| Ticker | Fund   | 1 Week     | 3 Month    | 6 Month    | 1 Year     | AUM       |
|--------|--|------------|------------|------------|------------|-----------|
| XL     | Financial Select Sector SPDR Fund              | (\$1,036M) | (\$5,135M) | (\$3,556M) | (\$1,596M) | \$27,714M |
| XL     | Health Care Select Sector SPDR Fund            | (\$316M)   | (\$1,415M) | (\$1,256M) | (\$1,707M) | \$35,714M |
| XL     | Communication Services Select Sector SPDR Fu.. | (\$304M)   | (\$463M)   | \$1,046M   | \$2,111M   | \$13,172M |
| VI     | Vanguard Industrials ETF                       | (\$295M)   | (\$407M)   | (\$72M)    | \$32M      | \$3,615M  |
| V      | Vanguard Consumer Discretionary ETF            | (\$282M)   | (\$301M)   | \$69M      | (\$153M)   | \$4,217M  |
| V      | Vanguard Financials ETF                        | (\$248M)   | (\$916M)   | (\$358M)   | (\$959M)   | \$7,184M  |
| V      | Vanguard Materials ETF                         | (\$237M)   | (\$373M)   | (\$216M)   | (\$291M)   | \$2,419M  |
| XL     | Technology Select Sector SPDR Fund             | (\$235M)   | \$76M      | \$413M     | (\$1,712M) | \$47,044M |
| V      | Vanguard Consumer Staples ETF                  | (\$234M)   | (\$402M)   | (\$149M)   | (\$41M)    | \$6,126M  |
| V      | Vanguard Communication Services ETF            | (\$232M)   | (\$84M)    | \$174M     | \$209M     | \$3,062M  |

\* 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



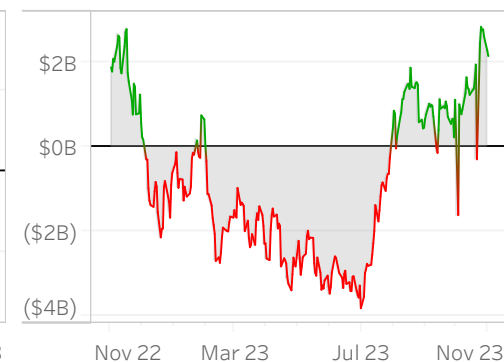
Consumer Discretionary



Consumer Staples



Energy



Financials



Industrial



Health Care



Materials



Real Estate



Technology



Utilities

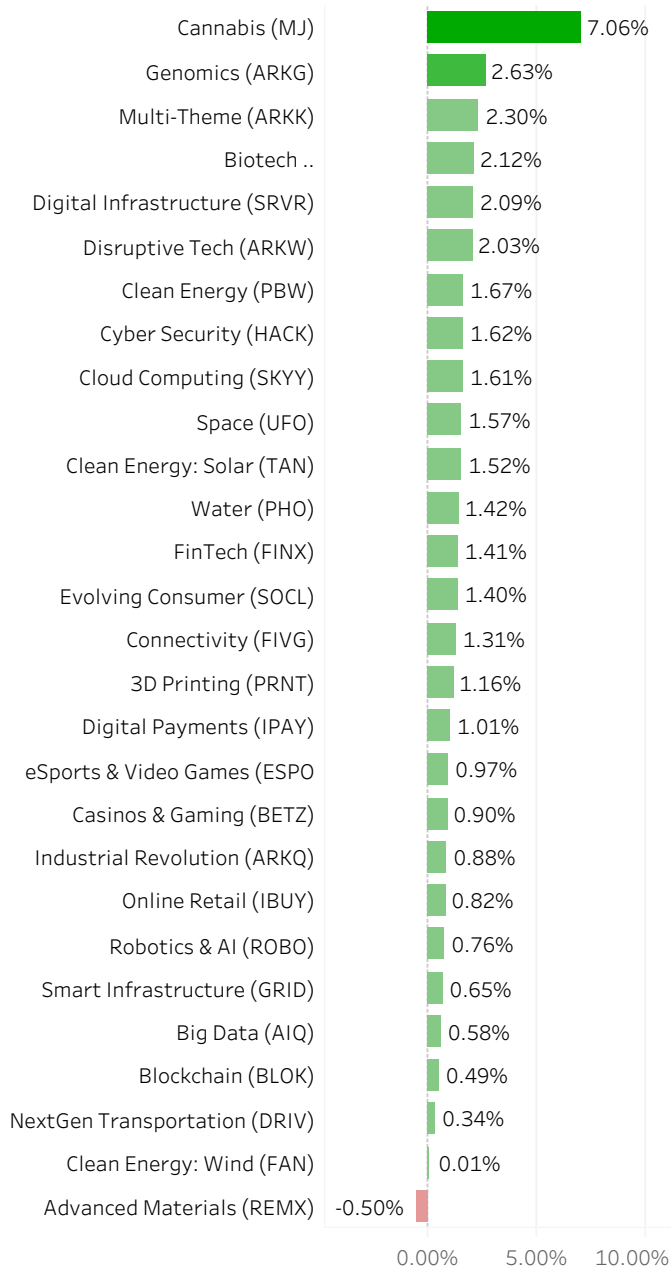


Multi-Sector

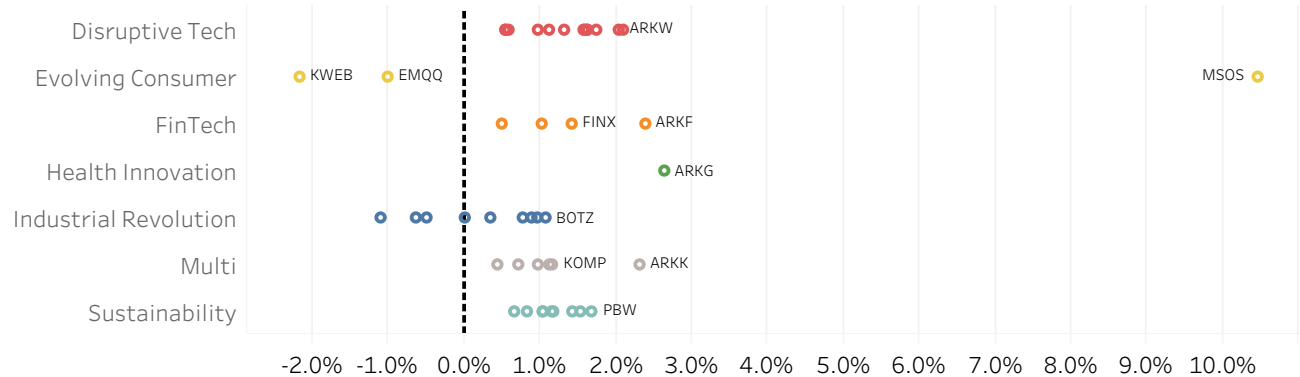


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

| Ticker | Fund   | Performance |
|--------|--|-------------|
| MSOS   | AdvisorShares Pure US Cannabis ETF             | 10.45%      |
| MJ     | ETFMG Alternative Harvest ETF                  | 7.06%       |
| MJUS   | ETFMG U.S. Alternative Harvest ETF             | 5.26%       |
| ARKG   | ARK Genomic Revolution ETF                     | 2.63%       |
| ARKF   | ARK Fintech Innovation ETF                     | 2.38%       |
| ARKK   | ARK Innovation ETF                             | 2.30%       |
| IDNA   | iShares Genomics Immunology and Healthcare ETF | 2.20%       |
| SBIO   | ALPS Medical Breakthroughs ETF                 | 2.12%       |
| SRVR   | Pacer Data & Infrastructure Real Estate ETF    | 2.09%       |
| ARKW   | ARK Next Generation Internet ETF               | 2.03%       |

### Thematic Most Overbought

| Ticker | Fund  | Price |
|--------|---|-------|
| BITQ   | Bitwise Crypto Industry Innovators ETF          | 54.07 |
| BLOK   | Amplify Transformational Data Sharing ETF       | 54.00 |
| BKCH   | Global X Blockchain ETF                         | 49.67 |
| SRVR   | Pacer Data & Infrastructure Real Estate ETF     | 49.38 |
| HACK   | ETFMG Prime Cyber Security ETF                  | 45.51 |
| SOCL   | Global X Social Media ETF                       | 44.94 |
| HERO   | Global X Video Games & Esports ETF              | 44.75 |
| BLCN   | Siren ETF Trust Siren Nasdaq NexGen Economy ETF | 44.68 |
| METV   | Roundhill Ball Metaverse ETF                    | 44.65 |
| CIBR   | First Trust NASDAQ Cybersecurity ETF            | 44.53 |

### Global Thematic 1-Day Performance Laggards

| Ticker | Fund   | Performance |
|--------|--|-------------|
| KGRN   | KraneShares MSCI China Clean Technology Index ETF        | -2.75%      |
| KARS   | KraneShares Electric Vehicles & Future Mobility Index .. | -2.27%      |
| KWEB   | KraneShares CSI China Internet ETF                       | -2.18%      |
| BLCN   | Siren ETF Trust Siren Nasdaq NexGen Economy ETF          | -1.58%      |
| BATT   | Amplify Lithium & Battery Technology ETF                 | -1.54%      |
| IDRV   | iShares Self-driving EV & Tech ETF                       | -1.11%      |
| EMQQ   | EMQQ The Emerging Markets Internet & Ecommerce E..       | -1.02%      |
| LIT    | Global X Lithium & Battery Tech ETF                      | -0.65%      |
| SMOG   | VanEck Low Carbon Energy ETF                             | -0.51%      |
| REMX   | VanEck Rare Earth/Strategic Metals ETF                   | -0.50%      |

### Thematic Most Oversold

| Ticker | Fund  | Price |
|--------|---|-------|
| EDOC   | Global X Telemedicine & Digital Health ETF Registered     | 25.69 |
| QCLN   | First Trust Nasdaq Clean Edge Green Energy Index Fund     | 25.76 |
| IDRV   | iShares Self-driving EV & Tech ETF                        | 26.58 |
| PBW    | Invesco WilderHill Clean Energy ETF                       | 26.69 |
| GDOC   | Goldman Sachs Future Health Care Equity ETF               | 27.07 |
| ACES   | ALPS Clean Energy ETF                                     | 27.21 |
| KARS   | KraneShares Electric Vehicles & Future Mobility Index ETF | 27.52 |
| HTEC   | ROBO Global Healthcare Technology and Innovation ETF      | 27.63 |
| GNOM   | Global X Genomics & Biotechnology ETF                     | 27.70 |
| CTEC   | Global X CleanTech ETF                                    | 28.29 |

\* 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  |
|--------|---|-------|
| IHAK   | iShares Cybersecurity & Tech ETF                  | \$40M |
| ARKK   | ARK Innovation ETF                                | \$28M |
| ARKG   | ARK Genomic Revolution ETF                        | \$17M |
| AIQ    | Global X Artificial Intelligence & Technology ETF | \$13M |
| FMIL   | Fidelity New Millennium ETF                       | \$10M |
| KWEB   | KraneShares CSI China Internet ETF                | \$6M  |
| TARK   | AXS 2X Innovation ETF                             | \$5M  |
| PBW    | Invesco WilderHill Clean Energy ETF               | \$4M  |
| EBIZ   | Global X E-Commerce ETF                           | \$3M  |
| REMX   | VanEck Rare Earth/Strategic Metals ETF            | \$3M  |

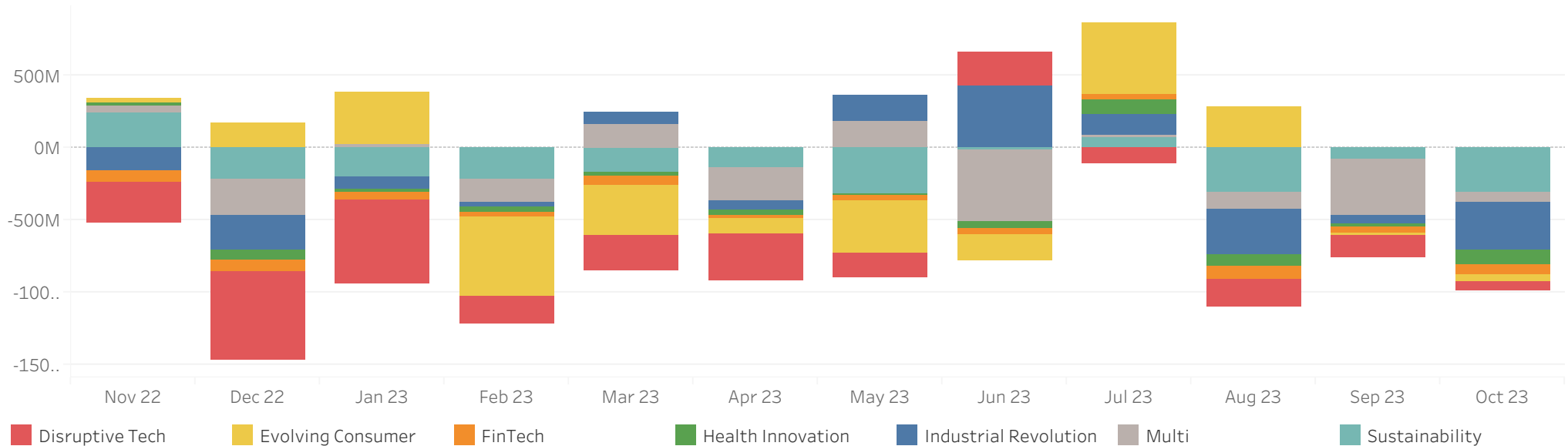
### Thematic 1 Week Flow Laggards

| Ticker | Fund  | Flow    |
|--------|---|---------|
| GNOM   | Global X Genomics & Biotechnology ETF                         | (\$75M) |
| ICLN   | iShares Global Clean Energy ETF                               | (\$50M) |
| GRID   | First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index | (\$39M) |
| QCLN   | First Trust Nasdaq Clean Edge Green Energy Index Fund         | (\$24M) |
| LIT    | Global X Lithium & Battery Tech ETF                           | (\$22M) |
| SKYY   | First Trust Cloud Computing ETF                               | (\$18M) |
| IBUY   | Amplify Online Retail ETF                                     | (\$14M) |
| DRIV   | Global X Autonomous & Electric Vehicles ETF                   | (\$14M) |
| XT     | iShares Exponential Technologies ETF                          | (\$13M) |
| FIVG   | Defiance Next Gen Connectivity ETF                            | (\$9M)  |

### Thematic Landscape Assets & Flows

| Segment               | Funds      | AUM          | 1 Week          | 3 Month           | 6 Month           | 1 Year            |
|-----------------------|------------|--------------|-----------------|-------------------|-------------------|-------------------|
| Disruptive Tech       | 34         | \$15B        | (\$23M)         | (\$397M)          | (\$429M)          | (\$2,673M)        |
| Evolving Consumer     | 39         | \$8B         | (\$21M)         | \$30M             | \$229M            | (\$266M)          |
| FinTech               | 17         | \$2B         | (\$4M)          | (\$200M)          | (\$241M)          | (\$561M)          |
| Health Innovation     | 18         | \$2B         | (\$75M)         | (\$210M)          | (\$182M)          | (\$375M)          |
| Industrial Revolution | 30         | \$9B         | (\$54M)         | (\$645M)          | \$91M             | (\$421M)          |
| Multi                 | 36         | \$12B        | \$11M           | (\$583M)          | (\$881M)          | (\$1,306M)        |
| Sustainability        | 40         | \$12B        | (\$118M)        | (\$700M)          | (\$956M)          | (\$1,677M)        |
| <b>Grand Total</b>    | <b>214</b> | <b>\$60B</b> | <b>(\$283M)</b> | <b>(\$2,705M)</b> | <b>(\$2,369M)</b> | <b>(\$7,280M)</b> |

### Thematic Monthly Flows

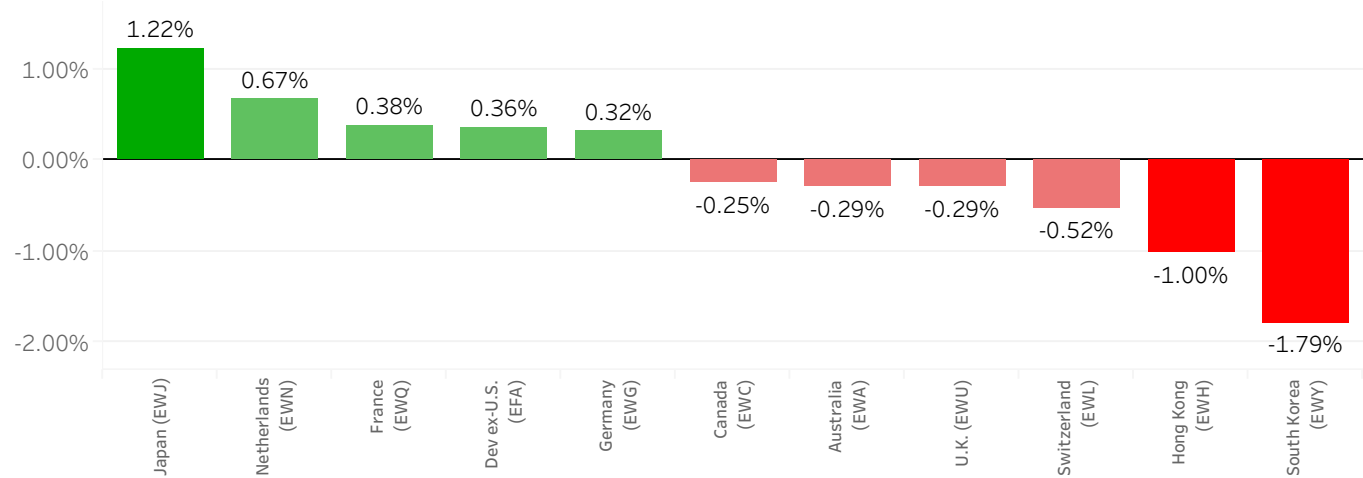


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

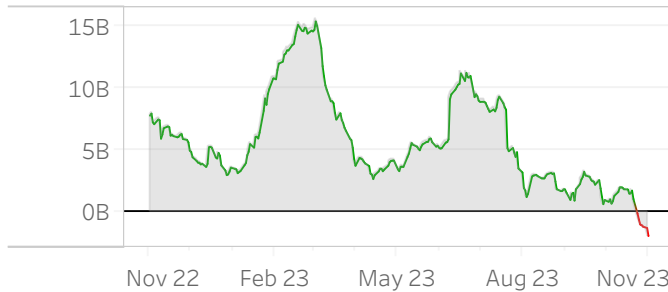
Developed ex-U.S. (EFA)



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



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



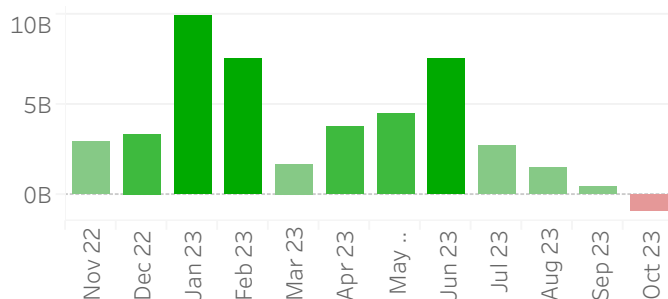
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund  | 1-Day Performance |
|--------|---|-------------------|
| DXJS   | WisdomTree Japan Hedged SmallCap Equity Fund              | 3.49%             |
| HEWJ   | iShares Currency Hedged MSCI Japan ETF                    | 2.99%             |
| DXJ    | WisdomTree Japan Hedged Equity Fund                       | 2.86%             |
| DBJP   | Xtrackers MSCI Japan Hedged Equity ETF                    | 2.82%             |
| SCJ    | iShares MSCI Japan Small-Cap ETF                          | 1.84%             |
| HSCZ   | iShares Currency Hedged MSCI EAFE Small-Cap ETF           | 1.83%             |
| DFJ    | WisdomTree Japan SmallCap Dividend Fund                   | 1.82%             |
| DDL    | WisdomTree Dynamic Currency Hedged International SmallCap | 1.71%             |
| EWJV   | iShares MSCI Japan Value ETF                              | 1.46%             |
| FLJP   | Franklin FTSE Japan ETF                                   | 1.33%             |

Developed ex-U.S. Most Overbought

| Ticker | Fund  | Value |
|--------|---|-------|
| DXJS   | WisdomTree Japan Hedged SmallCap Equity Fund              | 60.05 |
| HEWJ   | iShares Currency Hedged MSCI Japan ETF                    | 55.67 |
| DXJ    | WisdomTree Japan Hedged Equity Fund                       | 55.38 |
| DBJP   | Xtrackers MSCI Japan Hedged Equity ETF                    | 54.75 |
| DFJ    | WisdomTree Japan SmallCap Dividend Fund                   | 53.66 |
| GREK   | Global X MSCI Greece ETF                                  | 52.26 |
| SCJ    | iShares MSCI Japan Small-Cap ETF                          | 50.55 |
| EWO    | iShares MSCI Austria ETF                                  | 49.67 |
| LVHI   | Franklin International Low Volatility High Dividend Index | 49.23 |
| EWJV   | iShares MSCI Japan Value ETF                              | 48.42 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund  | 1-Day Performance |
|--------|---|-------------------|
| FLKR   | Franklin FTSE South Korea ETF                             | -1.79%            |
| EWY    | iShares MSCI South Korea ETF                              | -1.79%            |
| MINV   | Matthews Asia Innovators Active ETF                       | -1.70%            |
| AIA    | iShares Asia 50 ETF                                       | -1.12%            |
| AAXJ   | iShares MSCI All Country Asia ex Japan ETF                | -1.05%            |
| EWK    | iShares MSCI Hong Kong ETF                                | -1.00%            |
| BBAX   | JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E.. | -0.59%            |
| EWL    | iShares MSCI Switzerland ETF                              | -0.52%            |
| EPP    | iShares MSCI Pacific ex-Japan ETF                         | -0.52%            |
| ENZL   | iShares MSCI New Zealand ETF                              | -0.43%            |

Developed ex-U.S. Most Oversold

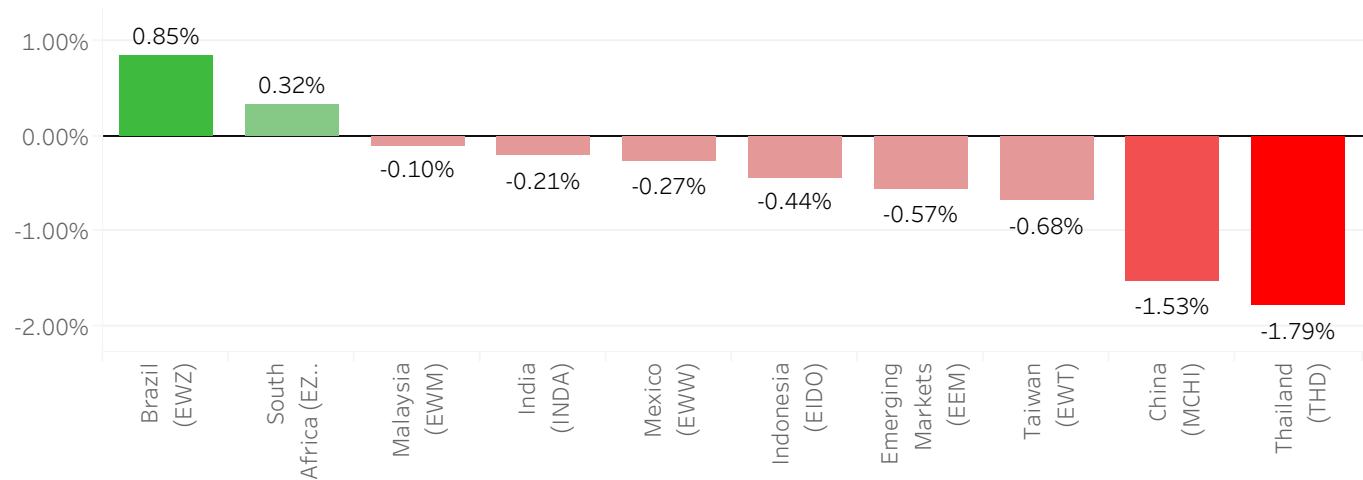
| Ticker | Fund                                | Value |
|--------|-------------------------------------|-------|
| FLKR   | Franklin FTSE South Korea ETF       | 32.69 |
| EWY    | iShares MSCI South Korea ETF        | 32.97 |
| BBCA   | JPMorgan BetaBuilders Canada ETF    | 33.26 |
| EWC    | iShares MSCI Canada ETF             | 34.02 |
| EIS    | iShares MSCI Israel ETF             | 34.76 |
| EWL    | iShares MSCI Switzerland ETF        | 35.52 |
| FLCA   | Franklin FTSE Canada ETF            | 35.52 |
| ENZL   | iShares MSCI New Zealand ETF        | 35.73 |
| PTIN   | Pacer Trendpilot International ETF  | 35.87 |
| DFIV   | Dimensional International Value ETF | 36.09 |

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

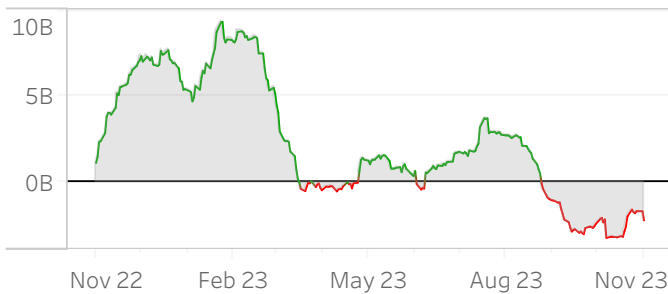
Emerging (EEM)



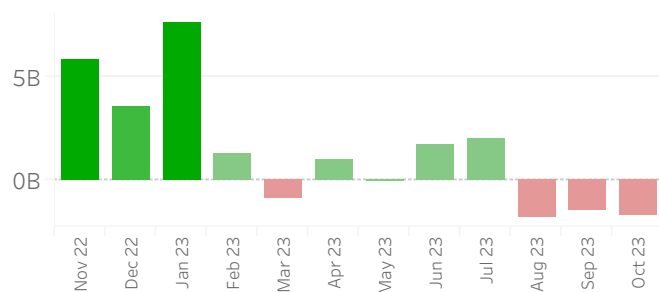
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund                                  | 1-Day Performance |
|--------|---------------------------------------|-------------------|
| EWZS   | iShares MSCI Brazil Small-Cap ETF     | 2.06%             |
| KSA    | iShares MSCI Saudi Arabia ETF         | 1.69%             |
| EWZ    | iShares MSCI Brazil ETF               | 0.85%             |
| FLBR   | Franklin FTSE Brazil ETF              | 0.65%             |
| EPOL   | iShares MSCI Poland ETF               | 0.61%             |
| ECH    | iShares MSCI Chile ETF                | 0.54%             |
| FLLA   | Franklin FTSE Latin America ETF       | 0.48%             |
| EZA    | iShares MSCI South Africa ETF         | 0.32%             |
| DVYE   | iShares Emerging Markets Dividend ETF | 0.30%             |
| ILF    | iShares Latin America 40 ETF          | 0.12%             |

Emerging Most Overbought

| Ticker | Fund   | Value |
|--------|--|-------|
| EPOL   | iShares MSCI Poland ETF                          | 65.53 |
| KSA    | iShares MSCI Saudi Arabia ETF                    | 50.87 |
| ECNS   | iShares MSCI China Small-Cap ETF                 | 48.88 |
| EWM    | iShares MSCI Malaysia ETF                        | 48.29 |
| CXSE   | WisdomTree China ex-State-Owned Enterprises Fund | 46.51 |
| EZA    | iShares MSCI South Africa ETF                    | 46.42 |
| ILF    | iShares Latin America 40 ETF                     | 45.66 |
| GLIN   | VanEck India Growth Leaders ETF                  | 45.33 |
| DVYE   | iShares Emerging Markets Dividend ETF            | 45.24 |
| CNYA   | iShares MSCI China A ETF                         | 45.02 |

Emerging 1-Day Performance Laggards

| Ticker | Fund   | 1-Day Performance |
|--------|--|-------------------|
| PGJ    | Invesco Golden Dragon China ETF                      | -1.83%            |
| TUR    | iShares MSCI Turkey ETF                              | -1.81%            |
| THD    | iShares MSCI Thailand ETF                            | -1.79%            |
| FXI    | iShares China Large-Cap ETF                          | -1.62%            |
| MCHI   | iShares MSCI China ETF                               | -1.53%            |
| PIE    | Invesco Dorsey Wright Emerging Markets Momentum E..  | -1.53%            |
| FEMS   | First Trust Emerging Markets Small Cap AlphaDEX Fund | -1.52%            |
| ECNS   | iShares MSCI China Small-Cap ETF                     | -1.37%            |
| CXSE   | WisdomTree China ex-State-Owned Enterprises Fund     | -1.37%            |
| EEMA   | iShares MSCI Emerging Markets Asia ETF               | -1.36%            |

Emerging Most Oversold

| Ticker | Fund  | Value |
|--------|---|-------|
| EIDO   | iShares MSCI Indonesia ETF                          | 24.03 |
| VNM    | VanEck Vietnam ETF                                  | 27.15 |
| FM     | iShares Frontier and Select EM ETF                  | 31.64 |
| ARGT   | Global X MSCI Argentina ETF                         | 32.53 |
| ECOW   | Pacer Emerging Markets Cash Cows 100 ETF            | 33.40 |
| FEMS   | First Trust Emerging Markets Small Cap AlphaDEX F.. | 33.57 |
| EPHE   | iShares MSCI Philippines ETF                        | 33.61 |
| MFEM   | PIMCO RAFI Dynamic Multi-Factor Emerging Market..   | 33.71 |
| NUEM   | Nuveen ESG Emerging Markets Equity ETF              | 34.30 |
| FEM    | First Trust Emerging Markets AlphaDEX Fund          | 34.34 |

\*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% | -1.57%  | -2.58%  |
| SHY    | 1-3 Year Treasury Bonds       | -0.04% | 0.33%   | 1.96%   |
| IEF    | 7-10 Year Treasury Bonds      | -0.21% | -1.93%  | -4.47%  |
| TLT    | 20+ Year Treasury Bonds       | -0.49% | -5.46%  | -13.96% |
| TIP    | TIPS Bonds                    | -0.25% | -0.72%  | -1.39%  |
| FLOT   | Floating Rate Bonds           | 0.06%  | 0.49%   | 5.41%   |
| LQD    | Investment Grade Corporate    | -0.14% | -2.41%  | -3.01%  |
| HYG    | High Yield Corporate          | 0.26%  | -1.04%  | 3.05%   |
| BKLN   | Senior Loan                   | 0.00%  | -0.19%  | 8.90%   |
| PFF    | Preferred & Income Securities | 0.42%  | -4.69%  | -1.71%  |
| MUB    | Municipal Bonds               | 0.04%  | -1.25%  | -2.34%  |
| MBB    | MBS                           | 0.19%  | -2.13%  | -4.19%  |
| EMB    | Dollar Denominated EM Bonds   | -0.02% | -1.18%  | -0.41%  |
| LEMB   | Local Currency EM Bond        | -0.06% | -1.12%  | -0.78%  |

### Commodities Performance

| Ticker | Name                    | 1 Day  | 1 Month | YTD     |
|--------|-------------------------|--------|---------|---------|
| DJP    | Broad Commodities       | 0.31%  | 0.50%   | -4.18%  |
| DBE    | Energy                  | -0.36% | -4.19%  | -1.06%  |
| USO    | WTI Crude Oil           | -1.35% | -7.22%  | 7.00%   |
| BNO    | Brent Crude Oil         | -1.56% | -5.83%  | 6.79%   |
| UNG    | Natural Gas             | 7.91%  | 9.81%   | -46.81% |
| UGA    | Gasoline                | -0.16% | -6.79%  | 5.22%   |
| DBP    | Precious Metals         | -0.77% | 6.53%   | 5.27%   |
| GLD    | Gold                    | -0.55% | 7.37%   | 8.52%   |
| SLV    | Silver                  | -1.69% | 3.15%   | -4.72%  |
| PPLT   | abrdn Physical Platin.. | -0.08% | 2.89%   | -13.34% |
| PALL   | abrdn Physical Palla..  | -0.26% | -10.10% | -37.34% |
| DBB    | Base Metals             | -0.76% | -4.44%  | -5.86%  |
| CPER   | Copper                  | -0.26% | -1.39%  | -1.69%  |
| DBA    | Agriculture             | 0.50%  | 2.80%   | 9.23%   |
| CORN   | Corn                    | 0.27%  | 1.00%   | -17.42% |
| SOYB   | Soybeans                | 0.20%  | 1.35%   | -3.73%  |
| WEAT   | Wheat                   | -1.22% | 1.62%   | -29.07% |
| CANE   | Sugar                   | 0.74%  | 1.35%   | 57.19%  |

### Currencies Performance

| Ticker | Name                   | 1 Day  | 1 Month | YTD     |
|--------|------------------------|--------|---------|---------|
| UUP    | Long Dollar            | 0.60%  | 1.01%   | 7.98%   |
| UDN    | Short Dollar           | -0.42% | -0.11%  | -0.81%  |
| FXE    | Euro                   | -0.32% | 0.29%   | 0.12%   |
| FXB    | British Pound Sterling | -0.12% | -0.13%  | 2.96%   |
| FXF    | Swiss Franc            | -0.90% | 0.66%   | 1.38%   |
| FXJ    | Japanese Yen           | -1.68% | -1.46%  | -13.81% |
| FXC    | Canadian Dollar        | -0.24% | -1.87%  | -0.57%  |
| FXA    | Australian Dollar      | -0.50% | -1.21%  | -5.99%  |

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

*Disclaimer of Warranties*

Except for the express warranties set forth in the terms of service, all services, including all ETF Action materials, are provided on an “as is,” “where is” basis, and ETF Action and its licensors disclaim all representations or warranties, express or implied as to the services. ETF Action and its licensors specifically disclaim all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and all warranties arising from course of dealing, usage or trade practice. Without limiting the foregoing, ETF Action and its licensors make no warranty of any kind that the services or ETF Action materials, or any products or results of the use thereof, will meet customer’s or any other person’s requirements, operate without interruption, achieve any intended result, be compatible or work with any software, system or other services, or be secure, accurate, complete, timely, free of harmful code or error free. All third-party materials are provided “as is” and any representation or warranty of or concerning any third-party materials is strictly between customer and the third-party owner or distributor of the third-party materials.

*Additional Disclaimers*

The services are not intended and should not be construed as financial or investment advice, a recommendation or promotion. Neither ETF Action nor its licensors shall be responsible for investment decisions, damages, or other losses *resulting from use of the services*. *Past performance* does not guarantee future performance. Neither ETF Action nor its licensors shall be considered an “expert” under the securities act of 1933. Neither ETF Action nor its licensors warrant that the services comply with the requirements of the NASD or any similar organization or with the securities laws of any jurisdiction. Any information contained in the services should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Distribution prohibited without prior permission. Full terms of service, including terms of use, copyrights, and disclaimers are available at <https://www.etfaction.com/terms>.

© Copyright ETF Action, Inc. All Rights Reserved.

*Data Reliability and Definitions*

ETF Action, LLC believes the information herein to be accurate (at time of publication) and was obtained from reliable sources, but makes no guarantees with respect to its accuracy. Calculations of fundamental data are based on weighted averages of reported results and consensus estimates of current ETF constituents. Valuation data (price/earnings, price/sales, price/cash flow, price/book value) are calculated using per share data divided by current NAV of corresponding ETF. Performance, risk and technical data (moving averages, relative performance, RSI) calculated for specified periods using ETF market price which may differ from net asset value (NAV).

ETF Action Sector Beta Composites represent ETFs that meet stringent criteria surrounding index methodology, liquidity, assets under management, and management fee.

*Source Data & ETF Issuer Information ..*

ETF Action is an independent technology and research firm focused on helping advisors build better portfolios, create engaging experiences with their clients, and navigate the vast ETF landscape.

Contact us at:

[team@etfaction.com](mailto:team@etfaction.com)

[www.etfaction.com](http://www.etfaction.com)