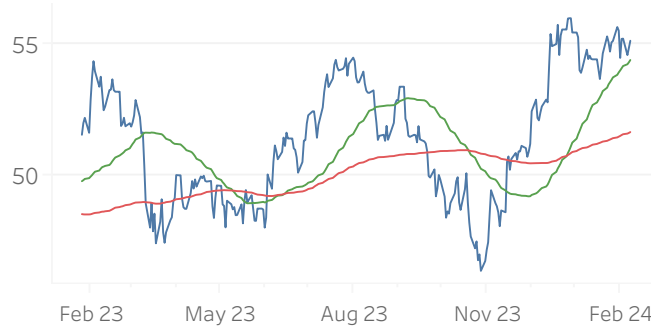


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

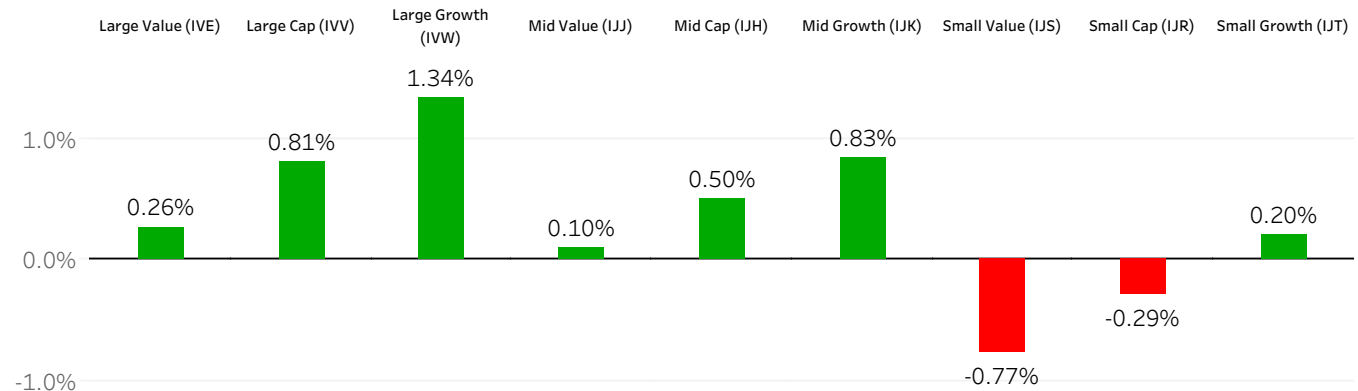


Small Cap Blend (S&P 600) IJR



■ 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 | 1-Day Performance |
|--------|--|-------------------|
| QMOM | Alpha Architect U.S. Quantitative Momentum ETF | 2.12% |
| IPO | Renaissance IPO ETF | 1.73% |
| MTUM | iShares MSCI USA Momentum Factor ETF | 1.62% |
| XMMO | Invesco S&P MidCap Momentum ETF | 1.59% |
| PWB | Invesco Large Cap Growth ETF | 1.56% |
| QQH | HCM Defender 100 Index ETF | 1.53% |
| WINN | Harbor Long-Term Growers ETF | 1.52% |
| RPG | Invesco S&P 500 Pure Growth ETF | 1.45% |
| MMLG | First Trust Multi-Manager Large Growth ETF | 1.44% |
| SPMO | Invesco S&P 500 Momentum ETF | 1.43% |

Size & Style Most Overbought

| Ticker | Fund | Value |
|--------|--|-------|
| SPMO | Invesco S&P 500 Momentum ETF | 81.64 |
| MBCC | Monarch Blue Chips Core ETF | 79.53 |
| XMMO | Invesco S&P MidCap Momentum ETF | 79.29 |
| PWB | Invesco Large Cap Growth ETF | 78.79 |
| JMOM | JPMorgan U.S. Momentum Factor ETF | 77.40 |
| PALC | Pacer Lunt Large Cap Multi-Factor Alternator ETF | 77.18 |
| FDMO | Fidelity Momentum Factor ETF | 76.57 |
| MTUM | iShares MSCI USA Momentum Factor ETF | 76.43 |
| SIXA | ETC 6 Meridian Mega Cap Equity ETF | 75.14 |
| QUAL | iShares MSCI USA Quality Factor ETF | 74.75 |

Size & Style 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| RZV | Invesco S&P Smallcap 600 Pure Value ETF | -1.54% |
| DIV | Global X SuperDividend US ETF | -1.14% |
| OMFS | Invesco Russell 2000 Dynamic Multifactor ETF | -0.98% |
| IJS | iShares S&P Small-Cap 600 Value ETF | -0.77% |
| IWC | iShares Micro-Cap ETF | -0.68% |
| XSLV | Invesco S&P SmallCap Low Volatility ETF | -0.67% |
| VIOV | Vanguard S&P Small-Cap 600 Value ETF | -0.66% |
| SLYV | SPDR S&P 600 Small Cap Value ETF | -0.59% |
| VTWV | Vanguard Russell 2000 Value ETF | -0.52% |
| LVHD | Franklin U.S. Low Volatility High Dividend Index ETF | -0.51% |

Size & Style Most Oversold

| Ticker | Fund | Value |
|--------|--|-------|
| DIV | Global X SuperDividend US ETF | 33.96 |
| SVAL | iShares US Small Cap Value Factor ETF | 34.87 |
| LVHD | Franklin U.S. Low Volatility High Dividend Index ETF | 36.69 |
| SMLV | SPDR SSGA US Small Cap Low Volatility Index ETF | 36.77 |
| OMFS | Invesco Russell 2000 Dynamic Multifactor ETF | 37.87 |
| PEY | Invesco High Yield Equity Dividend Achievers ETF | 38.05 |
| SMDV | ProShares Russell 2000 Dividend Growers ETF | 38.62 |
| FDM | First Trust Dow Jones Select MicroCap Index Fund | 39.11 |
| CSB | VictoryShares US Small Cap High Dividend Volatility .. | 40.60 |
| FYT | First Trust Small Cap Value AlphaDEX Fund | 41.29 |

*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 | \$1,749B | (\$13.01B) | \$76.08B | \$114.87B | \$165.68B |
| Large Cap, Beta, Beta: Growth | 10 | \$340B | \$0.87B | \$5.07B | \$14.73B | \$19.52B |
| Large Cap, Beta, Beta: Value | 11 | \$245B | \$0.47B | \$6.02B | \$7.17B | (\$0.54B) |
| Mid Cap, Beta, Beta | 10 | \$209B | \$0.33B | \$0.52B | \$1.80B | \$6.36B |
| Mid Cap, Beta, Beta: Growth | 6 | \$40B | (\$0.05B) | \$0.41B | \$0.43B | \$1.47B |
| Mid Cap, Beta, Beta: Value | 6 | \$40B | (\$0.13B) | (\$0.21B) | (\$1.17B) | (\$2.91B) |
| Small Cap, Beta, Beta | 11 | \$221B | (\$1.40B) | \$6.43B | \$9.46B | \$14.01B |
| Small Cap, Beta, Beta: Growth | 7 | \$37B | \$0.12B | \$0.80B | \$1.39B | \$1.56B |
| Small Cap, Beta, Beta: Value | 7 | \$51B | \$0.00B | \$0.16B | (\$0.48B) | (\$2.10B) |

U.S. Size & Style Flow Leaders

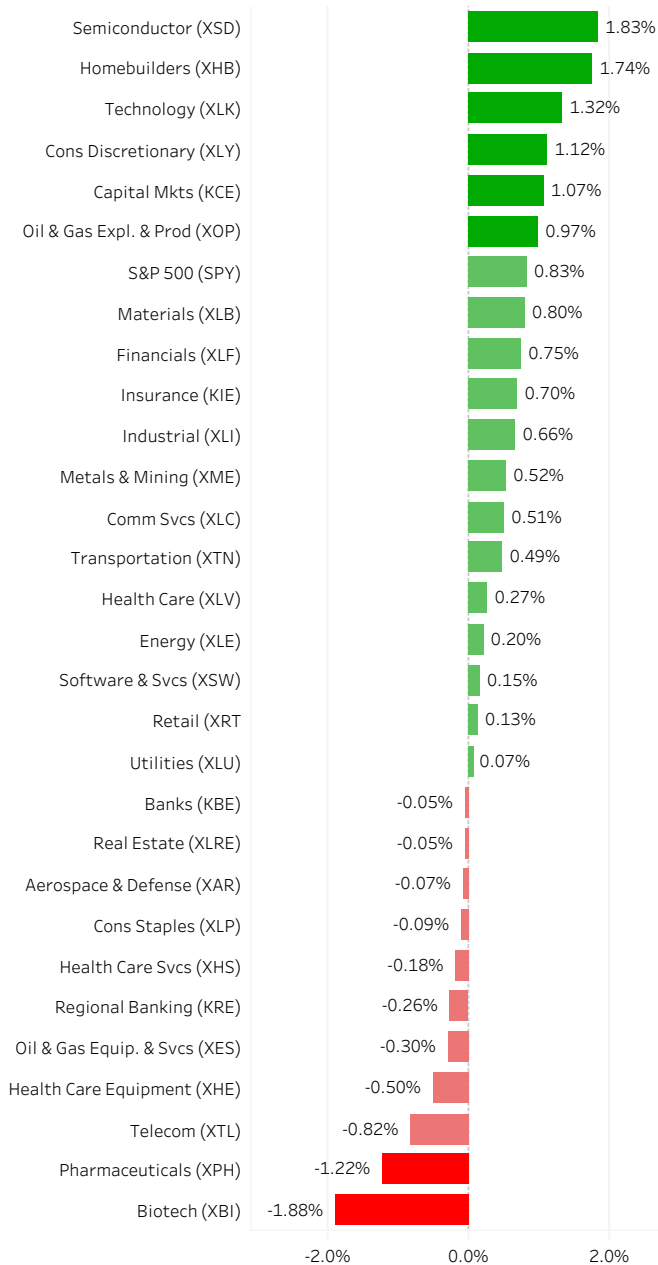
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|---------|----------|-----------|-----------|-----------|
| IVV | iShares Core S&P 500 ETF | \$1.31B | \$23.95B | \$40.50B | \$52.06B | \$429.44B |
| VOO | Vanguard S&P 500 ETF | \$1.06B | \$18.21B | \$28.60B | \$53.41B | \$399.07B |
| SPHQ | Invesco S&P 500 Quality ETF | \$0.32B | \$0.62B | \$1.50B | \$2.08B | \$7.77B |
| MDY | SPDR S&P Midcap 400 ETF Trust | \$0.30B | \$0.09B | (\$0.26B) | (\$0.73B) | \$20.07B |
| MTUM | iShares MSCI USA Momentum Factor ETF | \$0.26B | \$0.16B | (\$0.73B) | (\$3.71B) | \$9.69B |
| QQQM | Invesco NASDAQ 100 ETF | \$0.26B | \$4.19B | \$5.07B | \$10.03B | \$21.82B |
| SPLG | SPDR Portfolio S&P 500 ETF | \$0.22B | \$4.17B | \$6.28B | \$8.22B | \$28.47B |
| OMFL | Invesco Russell 1000 Dynamic Multifactor ETF | \$0.21B | \$0.53B | \$0.98B | \$2.98B | \$5.71B |
| VTWO | Vanguard Russell 2000 ETF | \$0.20B | \$0.98B | \$1.40B | \$1.65B | \$7.96B |
| VUG | Vanguard Growth ETF | \$0.19B | \$1.98B | \$4.07B | \$4.09B | \$111.51B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|-----------|-----------|-----------|-----------|-----------|
| QQQ | Invesco QQQ Trust Series I | (\$3.11B) | \$7.12B | \$7.78B | \$15.80B | \$244.59B |
| IWM | iShares Russell 2000 ETF | (\$1.62B) | \$1.45B | \$2.54B | \$1.93B | \$58.90B |
| VTI | Vanguard Total Stock Market ETF | (\$1.52B) | \$8.74B | \$14.41B | \$22.98B | \$362.47B |
| DIA | SPDR Dow Jones Industrial Average ETF Trust | (\$0.66B) | \$0.36B | (\$0.69B) | (\$0.99B) | \$32.68B |
| RSP | Invesco S&P 500 Equal Weight ETF | (\$0.48B) | \$4.67B | \$3.64B | \$10.51B | \$48.91B |
| SPLV | Invesco S&P 500 Low Volatility ETF | (\$0.34B) | (\$0.62B) | (\$1.20B) | (\$2.23B) | \$7.94B |
| IJH | iShares Core S&P Mid-Cap ETF | (\$0.14B) | (\$0.99B) | (\$0.86B) | \$3.48B | \$75.88B |
| ESGU | iShares ESG Aware MSCI USA ETF | (\$0.13B) | (\$0.68B) | (\$1.06B) | (\$9.14B) | \$13.11B |
| MDYV | SPDR S&P 400 Mid Cap Value ETF | (\$0.13B) | \$0.28B | \$0.23B | (\$0.31B) | \$2.58B |
| FVD | First Trust Value Line Dividend Index Fund | (\$0.11B) | (\$0.85B) | (\$1.70B) | (\$2.13B) | \$10.26B |

* 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) |
|--------|--|-----------------|----------------|--------------------|---------------------|-----------|
| SPY | SPDR S&P 500 ETF Trust | 0.00% | 29.26% | 4.84% | 11.65% | 70.25 |
| XLI | Industrial Select Sector SPDR Fund | 0.00% | 21.06% | 3.99% | 10.09% | 67.49 |
| XLK | Technology Select Sector SPDR Fund | 0.00% | 50.86% | 5.92% | 16.57% | 65.26 |
| XLV | Health Care Select Sector SPDR Fund | 0.00% | 17.24% | 5.06% | 8.91% | 77.19 |
| XLF | Financial Select Sector SPDR Fund | -0.31% | 26.28% | 4.12% | 12.87% | 67.84 |
| XLC | Communication Services Select Sector SPDR Fund | -1.20% | 50.75% | 7.37% | 16.42% | 65.59 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -1.96% | 28.69% | 1.50% | 6.98% | 57.99 |
| XLB | Materials Select Sector SPDR Fund | -3.64% | 11.56% | -0.56% | 2.60% | 50.91 |
| XLP | Consumer Staples Select Sector SPDR Fund | -4.76% | 11.46% | 2.49% | 2.32% | 59.87 |
| XLRE | Real Estate Select Sector SPDR Fund | -5.93% | 18.36% | -2.28% | 3.28% | 44.77 |
| XLE | Energy Select Sector SPDR Fund | -10.29% | 9.35% | 0.53% | -0.88% | 53.98 |
| XLU | Utilities Select Sector SPDR Fund | -13.58% | 7.62% | -3.69% | -4.75% | 40.11 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|---|-------------------|
| IGPT | Invesco AI and Next Gen Software ETF | 2.00% |
| XSD | SPDR S&P Semiconductor ETF | 1.83% |
| QTEC | First Trust NASDAQ-100 Technology Sector Index .. | 1.82% |
| PKB | Invesco Building & Construction ETF | 1.82% |
| XHB | SPDR S&P Homebuilders ETF | 1.74% |
| SOXQ | Invesco PHLX Semiconductor ETF | 1.67% |
| PRN | Invesco Dorsey Wright Industrials Momentum ETF | 1.62% |
| IGV | iShares Expanded Tech-Software Sector ETF | 1.60% |
| IGM | iShares Expanded Tech Sector ETF | 1.56% |
| SOXX | iShares Semiconductor ETF | 1.53% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|--|-----------|
| PINK | Simplify Health Care ETF | 78.07 |
| XLV | Health Care Select Sector SPDR Fund | 77.19 |
| IYH | iShares U.S. Healthcare ETF | 76.43 |
| VHT | Vanguard Health Care ETF | 74.62 |
| FHLC | Fidelity MSCI Health Care Index ETF | 73.75 |
| IHE | iShares U.S. Pharmaceuticals ETF | 73.18 |
| KBWP | Invesco KBW Property & Casualty Insurance ETF | 71.53 |
| PRN | Invesco Dorsey Wright Industrials Momentum ETF | 70.76 |
| IETC | iShares U.S. Tech Independence Focused ETF | 70.01 |
| IGM | iShares Expanded Tech Sector ETF | 69.96 |

Sector & Industry 1 Day Performance Laggards

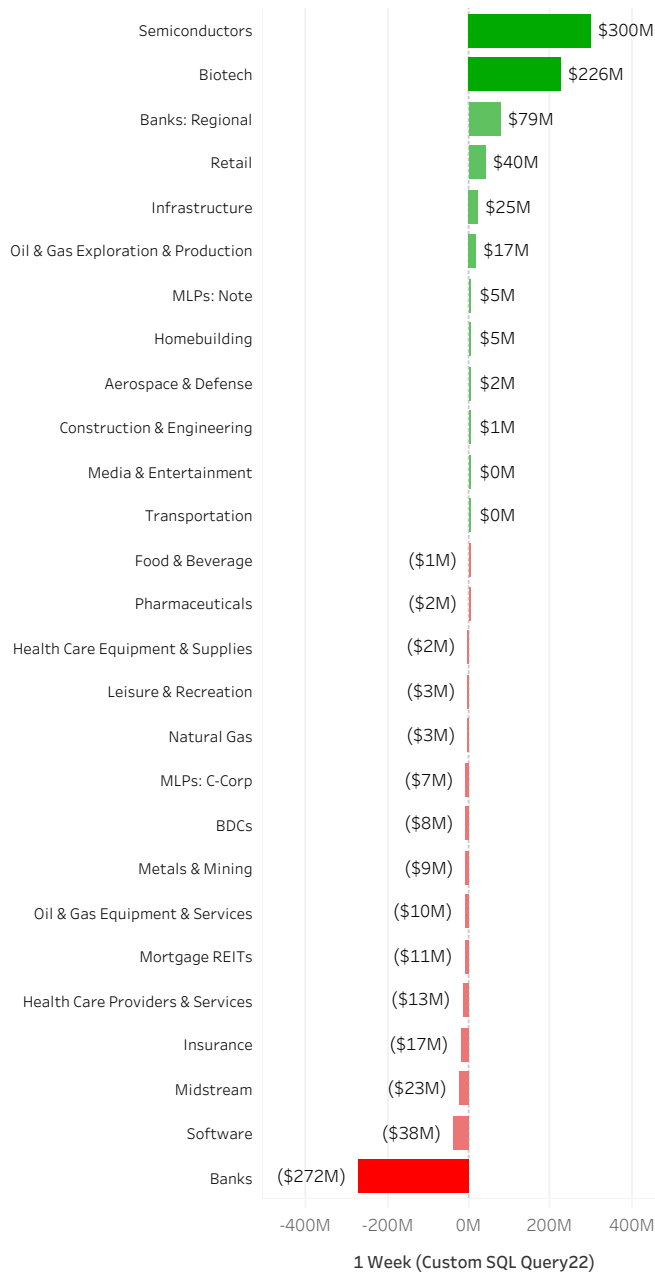
| Ticker | Fund | 1 Day Performance |
|--------|--|-------------------|
| REM | iShares Mortgage Real Estate ETF | -2.88% |
| MORT | VanEck Mortgage REIT Income ETF | -2.53% |
| KBWD | Invesco KBW High Dividend Yield Financial ETF | -2.00% |
| XBI | SPDR S&P BIOTECH ETF | -1.88% |
| FBT | First Trust NYSE Arca Biotechnology Index Fund | -1.87% |
| IBB | iShares Biotechnology ETF | -1.78% |
| PBE | Invesco Biotechnology & Genome ETF | -1.77% |
| IYZ | iShares U.S. Telecommunications ETF | -1.74% |
| RSPC | Invesco S&P 500 Equal Weight Communication Service.. | -1.73% |
| RIET | Hoya Capital High Dividend Yield ETF | -1.50% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|--|-----------|
| KBWD | Invesco KBW High Dividend Yield Financial ETF | 28.26 |
| REM | iShares Mortgage Real Estate ETF | 30.80 |
| QABA | First Trust NASDAQ ABA Community Bank Index Fund | 31.13 |
| MORT | VanEck Mortgage REIT Income ETF | 31.21 |
| KBWR | Invesco KBW Regional Banking ETF | 31.45 |
| RIET | Hoya Capital High Dividend Yield ETF | 31.68 |
| KBWY | Invesco KBW Premium Yield Equity REIT ETF | 32.19 |
| KRE | SPDR S&P Regional Banking ETF | 32.83 |
| MLPX | Global X MLP & Energy Infrastructure ETF | 36.37 |
| KBE | SPDR S&P Bank ETF | 36.84 |

* 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 | (\$59M) | \$1,103M | \$554M | \$3,580M |
| Consumer Discretionary | 12 | \$29B | \$475M | \$1,802M | \$1,356M | \$3,130M |
| Consumer Staples | 10 | \$26B | \$640M | (\$1,050M) | (\$4,010M) | (\$2,634M) |
| Energy | 30 | \$70B | (\$407M) | (\$2,619M) | \$567M | (\$7,384M) |
| Financials | 26 | \$63B | (\$492M) | \$3,313M | (\$2,917M) | (\$327M) |
| Health Care | 23 | \$92B | \$607M | (\$796M) | (\$4,581M) | (\$8,211M) |
| Industrial | 13 | \$37B | \$85M | \$683M | (\$860M) | \$1,446M |
| Materials | 9 | \$11B | (\$389M) | (\$784M) | (\$2,060M) | (\$3,475M) |
| Multi-Sector | 16 | \$21B | (\$91M) | \$40M | (\$603M) | \$2,469M |
| Real Estate | 25 | \$58B | (\$886M) | \$1,746M | \$926M | (\$1,296M) |
| Technology | 23 | \$186B | \$408M | \$6,094M | \$8,888M | \$9,051M |
| Utilities | 9 | \$20B | (\$319M) | (\$1,228M) | (\$2,609M) | (\$2,942M) |

U.S. Sector & Industry Flow Leaders

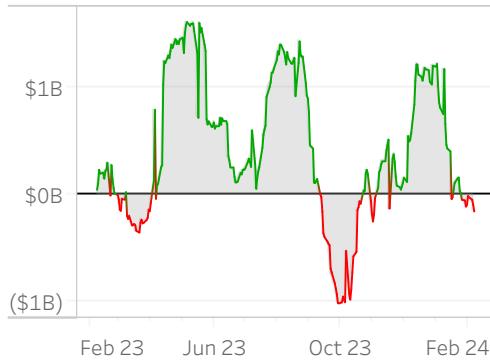
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|--------|----------|------------|------------|-----------|
| XLP | Consumer Staples Select Sector SPDR Fund | \$648M | (\$565M) | (\$1,590M) | (\$390M) | \$16,091M |
| XLY | Consumer Discretionary Select Sector SPDR Fu.. | \$441M | \$1,310M | \$1,417M | \$1,912M | \$19,202M |
| XLV | Health Care Select Sector SPDR Fund | \$306M | (\$179M) | (\$2,375M) | (\$2,638M) | \$40,859M |
| SOXX | iShares Semiconductor ETF | \$292M | \$304M | \$552M | \$675M | \$11,201M |
| IBB | iShares Biotechnology ETF | \$129M | \$40M | (\$324M) | (\$1,169M) | \$7,554M |
| VGT | Vanguard Information Technology ETF | \$129M | \$2,090M | \$2,294M | \$1,339M | \$62,783M |
| KRE | SPDR S&P Regional Banking ETF | \$105M | \$228M | (\$128M) | \$1,126M | \$3,104M |
| IYW | iShares U.S. Technology ETF | \$103M | \$582M | \$1,519M | \$918M | \$15,075M |
| XBI | SPDR S&P BIOTECH ETF | \$96M | (\$241M) | (\$140M) | (\$1,595M) | \$6,885M |
| IYH | iShares U.S. Healthcare ETF | \$74M | \$120M | \$28M | (\$82M) | \$3,440M |

U.S. Sector & Industry Flow Laggards

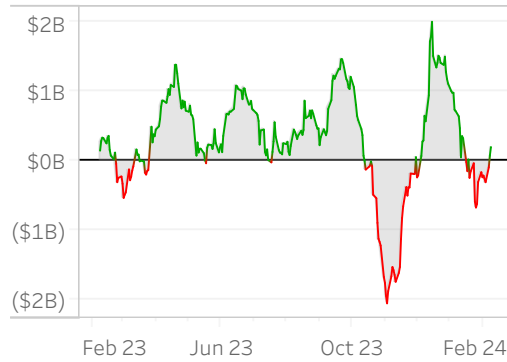
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|----------|------------|------------|------------|-----------|
| IYR | iShares U.S. Real Estate ETF | (\$902M) | \$355M | \$218M | (\$236M) | \$3,253M |
| XLB | Materials Select Sector SPDR Fund | (\$370M) | (\$457M) | (\$979M) | (\$896M) | \$5,066M |
| XLE | Energy Select Sector SPDR Fund | (\$342M) | (\$1,923M) | \$479M | (\$2,880M) | \$35,324M |
| XLU | Utilities Select Sector SPDR Fund | (\$321M) | (\$1,275M) | (\$1,845M) | (\$1,818M) | \$12,128M |
| XLF | Financial Select Sector SPDR Fund | (\$301M) | \$1,868M | (\$2,189M) | \$89M | \$36,094M |
| KBWB | Invesco KBW Bank ETF | (\$135M) | \$60M | (\$484M) | (\$257M) | \$1,493M |
| KBE | SPDR S&P Bank ETF | (\$134M) | \$533M | \$326M | \$258M | \$1,774M |
| FDN | First Trust Dow Jones Internet Index Fund | (\$119M) | \$69M | (\$564M) | \$504M | \$6,244M |
| XLC | Communication Services Select Sector SPDR Fu.. | (\$74M) | \$908M | \$474M | \$3,156M | \$17,181M |
| IGV | iShares Expanded Tech-Software Sector ETF | (\$43M) | (\$417M) | (\$270M) | \$104M | \$7,647M |

* 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



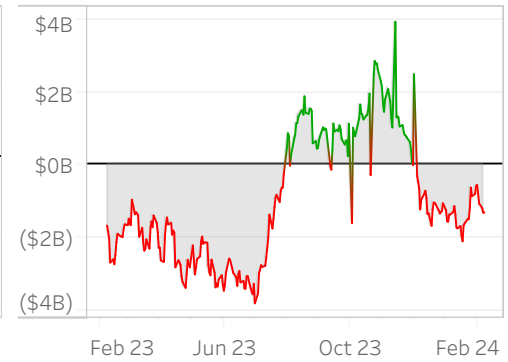
Consumer Discretionary



Consumer Staples



Energy



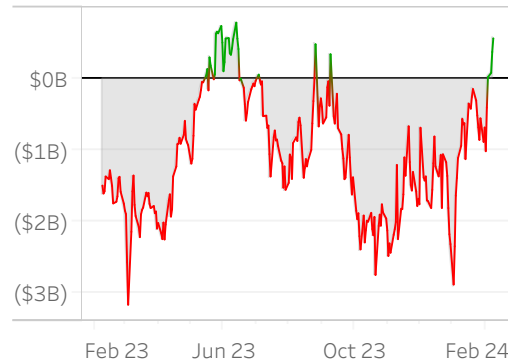
Financials



Industrial



Health Care



Materials



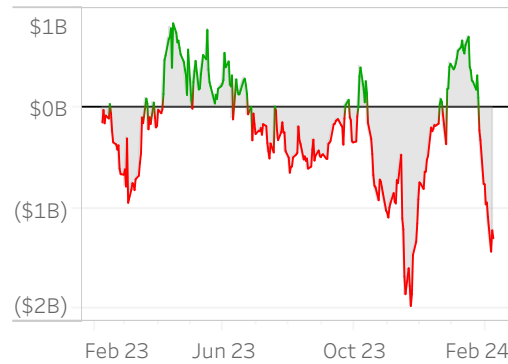
Real Estate



Technology



Utilities

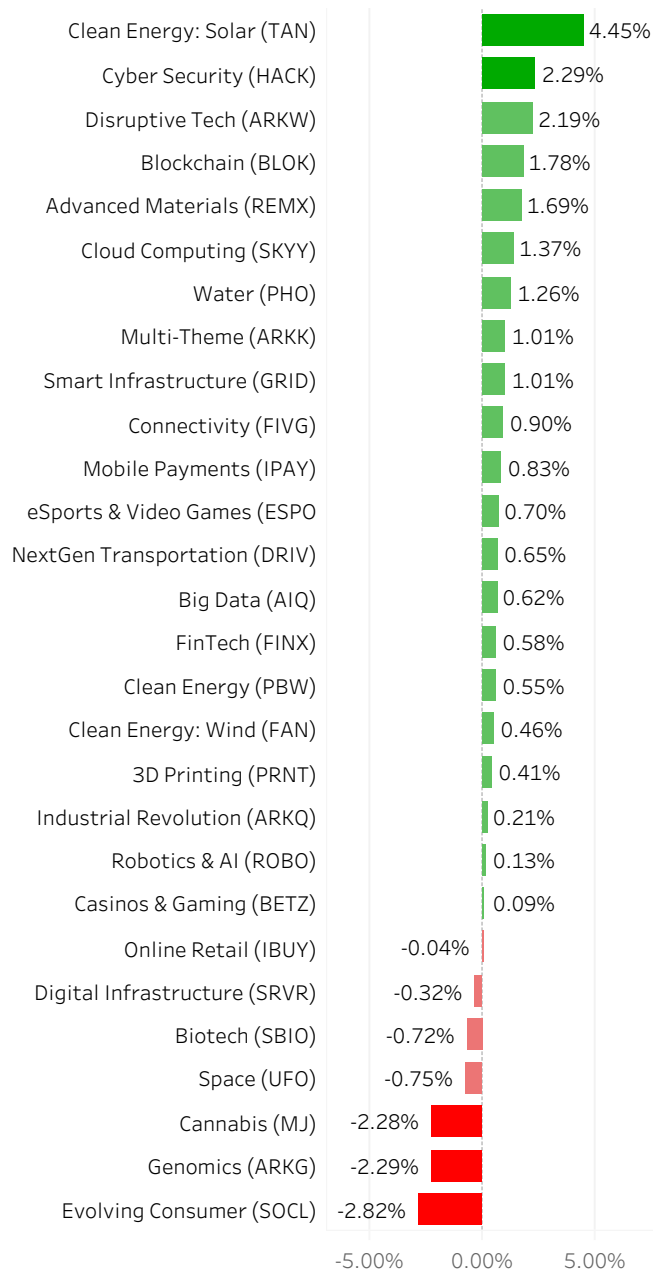


Multi-Sector

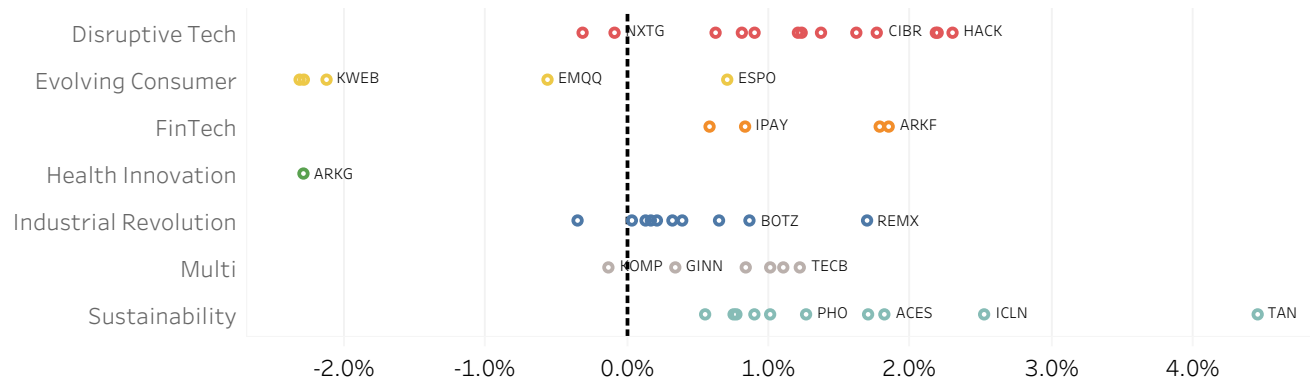


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|-----------------------------------|-------------------|
| TAN | Invesco Solar ETF | 4.45% |
| BKCH | Global X Blockchain ETF | 3.43% |
| CTEC | Global X CleanTech ETF | 3.24% |
| WGMI | Valkyrie Bitcoin Miners ETF | 2.59% |
| ICLN | iShares Global Clean Energy ETF | 2.52% |
| DAPP | VanEck Digital Transformation ETF | 2.43% |
| HACK | Amplify Cybersecurity ETF | 2.29% |
| ARKW | ARK Next Generation Internet ETF | 2.19% |
| WCBR | WisdomTree Cybersecurity Fund | 2.18% |
| BUG | Global X Cybersecurity ETF | 2.18% |

Thematic Most Overbought

| Ticker | Fund | Price |
|--------|--|-------|
| SAMT | Strategas Macro Thematic Opportunities ETF | 71.60 |
| ENTR | ERShares Entrepreneurs ETF | 70.74 |
| TECB | iShares U.S. Tech Breakthrough Multisector ETF | 69.90 |
| GBUY | Goldman Sachs Future Consumer Equity ETF | 69.86 |
| FCLD | Fidelity Cloud Computing ETF | 69.41 |
| ESPO | VanEck Video Gaming and eSports ETF | 68.10 |
| MSOS | AdvisorShares Pure US Cannabis ETF | 67.31 |
| HACK | Amplify Cybersecurity ETF | 66.70 |
| MJUS | Amplify U.S. Alternative Harvest ETF | 65.91 |
| METV | Roundhill Ball Metaverse ETF | 65.68 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| SOCL | Global X Social Media ETF | -2.82% |
| MJUS | Amplify U.S. Alternative Harvest ETF | -2.37% |
| MSOS | AdvisorShares Pure US Cannabis ETF | -2.31% |
| ARKG | ARK Genomic Revolution ETF | -2.29% |
| MJ | Amplify Alternative Harvest ETF | -2.28% |
| KWEB | KraneShares CSI China Internet ETF | -2.12% |
| IDNA | iShares Genomics Immunology and Healthcare ETF | -1.74% |
| GNOM | Global X Genomics & Biotechnology ETF | -1.70% |
| AWAY | Amplify Travel Tech ETF | -1.45% |
| EDOC | Global X Telemedicine & Digital Health ETF Registered | -1.25% |

Thematic Most Oversold

| Ticker | Fund | Price |
|--------|---|-------|
| LIT | Global X Lithium & Battery Tech ETF | 33.10 |
| BATT | Amplify Lithium & Battery Technology ETF | 33.58 |
| REMX | VanEck Rare Earth/Strategic Metals ETF | 33.97 |
| KARS | KraneShares Electric Vehicles & Future Mobility Index ETF | 38.19 |
| SMOG | VanEck Low Carbon Energy ETF | 38.28 |
| PBD | Invesco Global Clean Energy ETF | 39.99 |
| FAN | First Trust Global Wind Energy ETF | 41.96 |
| IDRV | iShares Self-driving EV & Tech ETF | 42.30 |
| PBW | Invesco WilderHill Clean Energy ETF | 42.34 |
| ERTH | Invesco MSCI Sustainable Future ETF | 43.05 |

* 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 |
|--------|--|-------|
| ARKG | ARK Genomic Revolution ETF | \$70M |
| MSOS | AdvisorShares Pure US Cannabis ETF | \$64M |
| CIBR | First Trust NASDAQ Cybersecurity ETF | \$56M |
| BOTZ | Global X Robotics & Artificial Intelligence ETF | \$16M |
| ARKK | ARK Innovation ETF | \$14M |
| HACK | Amplify Cybersecurity ETF | \$13M |
| KEMQ | KraneShares Emerging Markets Consumer Technology Index ETF | \$12M |
| WCBR | WisdomTree Cybersecurity Fund | \$11M |
| SPRX | Spear Alpha ETF | \$11M |
| WCLD | WisdomTree Cloud Computing Fund | \$10M |

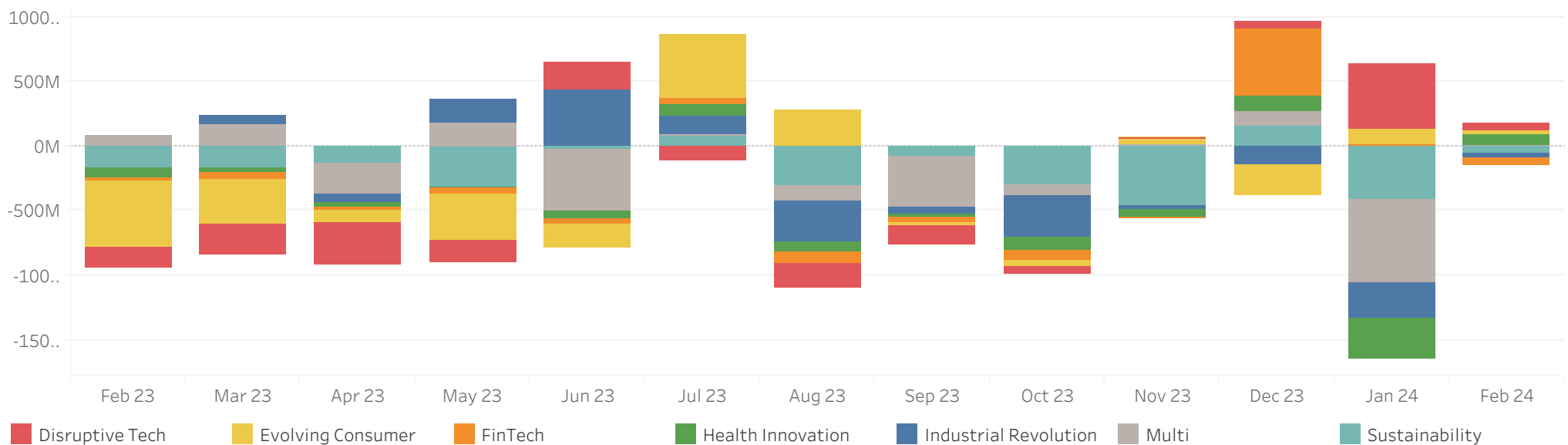
Thematic 1 Week Flow Laggards

| Ticker | Fund | Flow |
|--------|---|---------|
| BLOK | Amplify Transformational Data Sharing ETF | (\$46M) |
| AIQ | Global X Artificial Intelligence & Technology ETF | (\$40M) |
| ICLN | iShares Global Clean Energy ETF | (\$35M) |
| KWEB | KraneShares CSI China Internet ETF | (\$27M) |
| LIT | Global X Lithium & Battery Tech ETF | (\$23M) |
| TAN | Invesco Solar ETF | (\$17M) |
| DRIV | Global X Autonomous & Electric Vehicles ETF | (\$14M) |
| GINN | Goldman Sachs Innovate Equity ETF | (\$11M) |
| METV | Roundhill Ball Metaverse ETF | (\$9M) |
| FINX | Global X FinTech ETF | (\$8M) |

Thematic Landscape Assets & Flows

| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|-------|-------|---------|----------|------------|------------|
| Disruptive Tech | 33 | \$20B | \$93M | \$603M | \$222M | (\$554M) |
| Evolving Consumer | 37 | \$9B | \$61M | (\$8M) | (\$136M) | (\$794M) |
| FinTech | 17 | \$3B | (\$46M) | \$465M | \$283M | \$118M |
| Health Innovation | 17 | \$2B | \$72M | (\$170M) | (\$363M) | (\$490M) |
| Industrial Revolution | 30 | \$9B | (\$19M) | (\$504M) | (\$1,039M) | (\$410M) |
| Multi | 35 | \$15B | \$11M | (\$657M) | (\$825M) | (\$1,397M) |
| Sustainability | 40 | \$12B | (\$51M) | (\$577M) | (\$1,426M) | (\$2,220M) |
| Grand Total | 209 | \$71B | \$121M | (\$848M) | (\$3,284M) | (\$5,747M) |

Thematic Monthly Flows

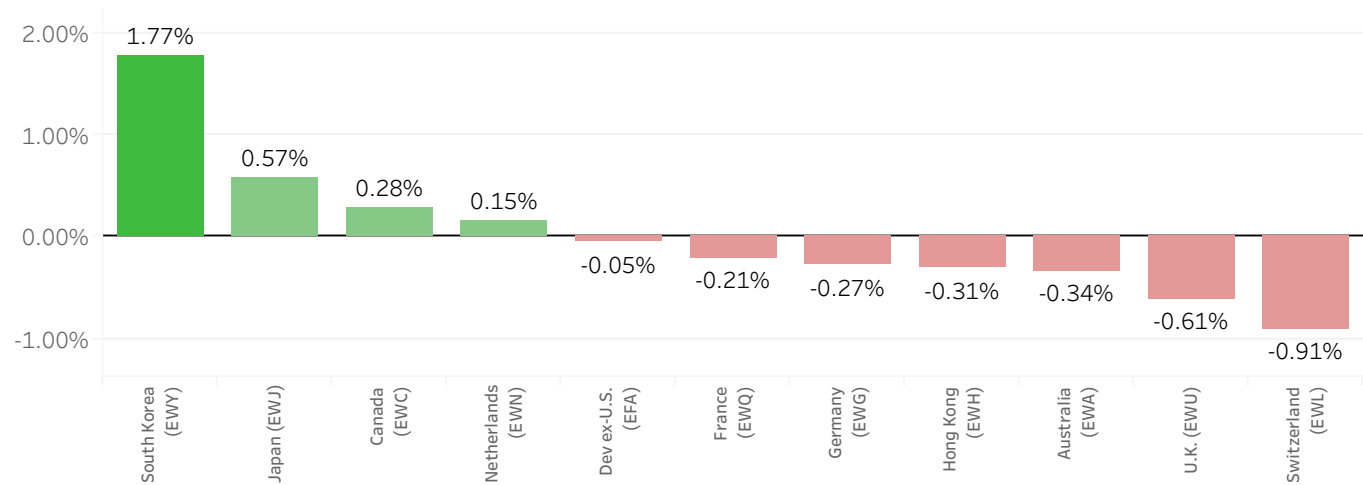


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

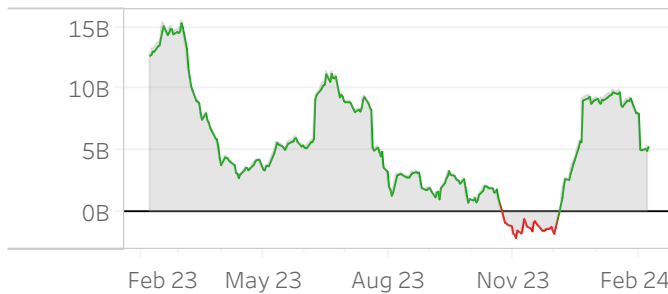
Developed ex-U.S. (EFA)



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



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



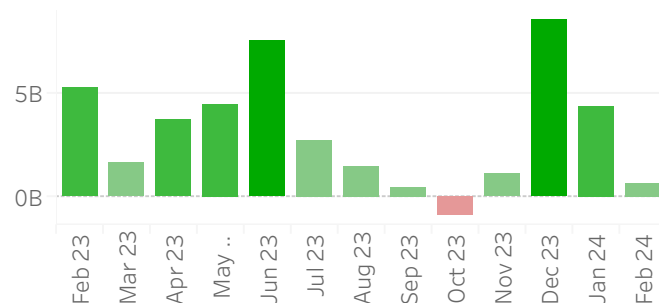
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| FLKR | Franklin FTSE South Korea ETF | 1.80% |
| EWY | iShares MSCI South Korea ETF | 1.77% |
| FJP | First Trust Japan AlphaDEX Fund | 1.34% |
| DXJ | WisdomTree Japan Hedged Equity Fund | 1.03% |
| HEWJ | iShares Currency Hedged MSCI Japan ETF | 0.98% |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | 0.97% |
| EWS | iShares MSCI Singapore ETF | 0.96% |
| EWJV | iShares MSCI Japan Value ETF | 0.88% |
| MINV | Matthews Asia Innovators Active ETF | 0.75% |
| IMOM | Alpha Architect International Quantitative Momentum ETF | 0.70% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Value |
|--------|--|-------|
| DXJ | WisdomTree Japan Hedged Equity Fund | 74.14 |
| HEDJ | WisdomTree Europe Hedged Equity Fund | 71.74 |
| DBEF | Xtrackers MSCI EAFE Hedged Equity ETF | 70.72 |
| HEFA | iShares Currency Hedged MSCI EAFE ETF | 69.54 |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | 68.70 |
| HEWJ | iShares Currency Hedged MSCI Japan ETF | 67.69 |
| TOK | iShares MSCI Kokusai ETF | 67.59 |
| IMTM | iShares MSCI Intl Momentum Factor ETF | 67.21 |
| EWN | iShares MSCI Netherlands ETF | 66.91 |
| GREK | Global X MSCI Greece ETF | 66.73 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| EWO | iShares MSCI Austria ETF | -1.36% |
| EWSP | iShares MSCI Spain ETF | -0.92% |
| FSZ | First Trust Switzerland AlphaDEX Fund | -0.91% |
| EWL | iShares MSCI Switzerland ETF | -0.91% |
| FKU | First Trust United Kingdom AlphaDEX Fund | -0.76% |
| FEP | First Trust Europe AlphaDEX Fund | -0.76% |
| FDD | First Trust Stoxx European Select Dividend Index Fund | -0.70% |
| IDOG | ALPS International Sector Dividend Dogs ETF | -0.69% |
| FYLD | Cambria Foreign Shareholder Yield ETF | -0.62% |
| EWU | iShares MSCI United Kingdom ETF | -0.61% |

Developed ex-U.S. Most Oversold

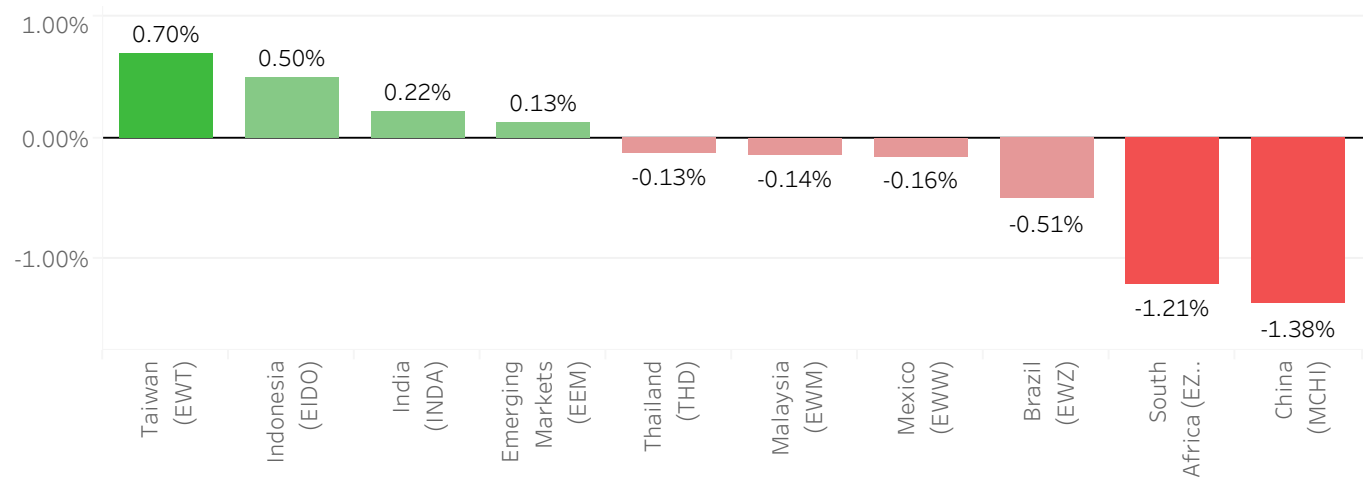
| Ticker | Fund | Value |
|--------|---|-------|
| FDD | First Trust Stoxx European Select Dividend Index Fu.. | 32.96 |
| EWO | iShares MSCI Austria ETF | 38.14 |
| EWSP | iShares MSCI Spain ETF | 39.24 |
| HDEF | Xtrackers MSCI EAFE High Dividend Yield Equity ETF | 40.71 |
| FIDI | Fidelity International High Dividend ETF | 42.21 |
| IDOG | ALPS International Sector Dividend Dogs ETF | 42.45 |
| DTH | WisdomTree International High Dividend Fund | 42.60 |
| EWL | iShares MSCI Switzerland ETF | 43.61 |
| FKU | First Trust United Kingdom AlphaDEX Fund | 43.77 |
| FSZ | First Trust Switzerland AlphaDEX Fund | 43.78 |

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

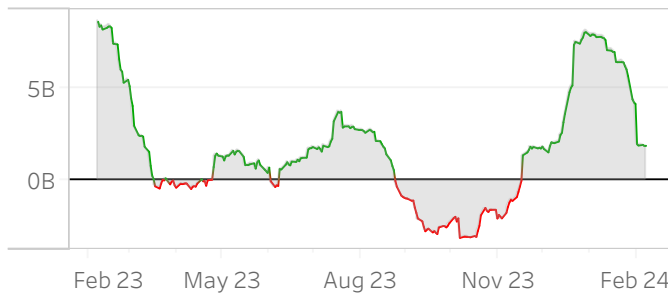
Emerging (EEM)



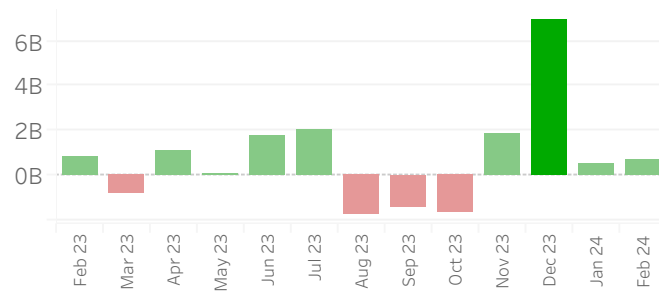
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| EPHE | iShares MSCI Philippines ETF | 2.09% |
| CNYA | iShares MSCI China A ETF | 1.47% |
| DGRE | WisdomTree Emerging Markets Quality Dividend Growth | 0.93% |
| MEM | Matthews Emerging Markets Equity Active ETF | 0.91% |
| KSA | iShares MSCI Saudi Arabia ETF | 0.89% |
| EPOL | iShares MSCI Poland ETF | 0.86% |
| FRDM | Freedom 100 Emerging Markets ETF | 0.85% |
| NUEM | Nuveen ESG Emerging Markets Equity ETF | 0.78% |
| QAT | iShares MSCI Qatar ETF | 0.71% |
| EWT | iShares MSCI Taiwan ETF | 0.70% |

Emerging Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| EPHE | iShares MSCI Philippines ETF | 74.03 |
| EPI | WisdomTree India Earnings Fund | 70.17 |
| GLIN | VanEck India Growth Leaders ETF | 69.38 |
| EYLD | Cambria Emerging Shareholder Yield ETF | 68.89 |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | 67.98 |
| SMIN | iShares MSCI India Small Cap ETF | 67.82 |
| DGRE | WisdomTree Emerging Markets Quality Dividend Growth | 66.96 |
| TUR | iShares MSCI Turkey ETF | 66.35 |
| FLIN | Franklin FTSE India ETF | 65.96 |
| INDA | iShares MSCI India ETF | 65.77 |

Emerging 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| FXI | iShares China Large-Cap ETF | -2.20% |
| PGJ | Invesco Golden Dragon China ETF | -1.39% |
| MCHI | iShares MSCI China ETF | -1.38% |
| TUR | iShares MSCI Turkey ETF | -1.27% |
| EZA | iShares MSCI South Africa ETF | -1.21% |
| FLCH | Franklin FTSE China ETF | -1.00% |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | -0.99% |
| FEMS | First Trust Emerging Markets Small Cap AlphaDEX Fund | -0.81% |
| ECOW | Pacer Emerging Markets Cash Cows 100 ETF | -0.76% |
| GLIN | VanEck India Growth Leaders ETF | -0.69% |

Emerging Most Oversold

| Ticker | Fund | Value |
|--------|--|-------|
| ECH | iShares MSCI Chile ETF | 32.69 |
| QAT | iShares MSCI Qatar ETF | 37.08 |
| ARGT | Global X MSCI Argentina ETF | 42.76 |
| EWZS | iShares MSCI Brazil Small-Cap ETF | 45.08 |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | 46.63 |
| EWM | iShares MSCI Malaysia ETF | 46.90 |
| GXC | SPDR S&P China ETF | 48.52 |
| EWX | SPDR S&P Emerging Markets Small Cap ETF | 48.54 |
| EZA | iShares MSCI South Africa ETF | 48.92 |
| PGJ | Invesco Golden Dragon China ETF | 49.47 |

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

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 | -0.20% | 0.05% | -1.01% |
| SHY | 1-3 Year Treasury Bonds | -0.04% | 0.26% | 0.07% |
| IEF | 7-10 Year Treasury Bonds | -0.18% | -0.13% | -1.23% |
| TLT | 20+ Year Treasury Bonds | -0.48% | -1.46% | -4.04% |
| TIP | TIPS Bonds | -0.19% | -0.20% | -0.87% |
| FLOT | Floating Rate Bonds | 0.02% | 0.71% | 0.85% |
| LQD | Investment Grade Corporate | -0.29% | 0.54% | -1.28% |
| HYG | High Yield Corporate | 0.17% | 1.23% | 0.30% |
| BKLN | Senior Loan | 0.00% | 0.27% | 0.08% |
| PFF | Preferred & Income Securities | 0.06% | 2.42% | 2.19% |
| MUB | Municipal Bonds | -0.11% | -0.10% | -0.41% |
| MBB | MBS | -0.31% | -0.28% | -1.45% |
| EMB | Dollar Denominated EM Bonds | -0.14% | 0.88% | -1.26% |
| LEMB | Local Currency EM Bond | 0.00% | -1.07% | -1.93% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|-------------------------|--------|---------|---------|
| DJP | Broad Commodities | -0.07% | -1.71% | -1.65% |
| DBE | Energy | 0.73% | 0.21% | 2.77% |
| USO | WTI Crude Oil | 0.89% | 0.56% | 4.16% |
| BNO | Brent Crude Oil | 0.88% | 1.60% | 4.36% |
| UNG | Natural Gas | -1.62% | -21.92% | -10.06% |
| UGA | Gasoline | 2.36% | 6.92% | 7.10% |
| DBP | Precious Metals | -0.31% | -1.25% | -2.36% |
| GLD | Gold | -0.03% | -0.45% | -1.40% |
| SLV | Silver | -0.88% | -4.15% | -6.66% |
| PPLT | abrdn Physical Platin.. | -2.50% | -8.48% | -10.90% |
| PALL | abrdn Physical Palla.. | -5.53% | -12.98% | -18.38% |
| DBB | Base Metals | -0.81% | -2.62% | -6.45% |
| CPER | Copper | -1.23% | -1.52% | -3.52% |
| DBA | Agriculture | 0.37% | 6.17% | 5.35% |
| CORN | Corn | -0.64% | -5.07% | -6.58% |
| SOYB | Soybeans | -1.07% | -4.47% | -7.41% |
| WEAT | Wheat | 0.53% | -3.74% | -5.19% |
| CANE | Sugar | 1.20% | 10.94% | 12.56% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|--------|
| UUP | Long Dollar | -0.11% | 2.08% | 3.29% |
| UDN | Short Dollar | 0.11% | -1.32% | -2.28% |
| FXE | Euro | 0.15% | -1.31% | -2.16% |
| FXB | British Pound Sterling | 0.31% | -0.45% | -0.60% |
| FXF | Swiss Franc | -0.44% | -2.69% | -3.72% |
| FXJ | Japanese Yen | -0.18% | -2.36% | -4.97% |
| FXC | Canadian Dollar | 0.21% | -0.42% | -1.31% |
| FXA | Australian Dollar | 0.03% | -2.67% | -4.04% |

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

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