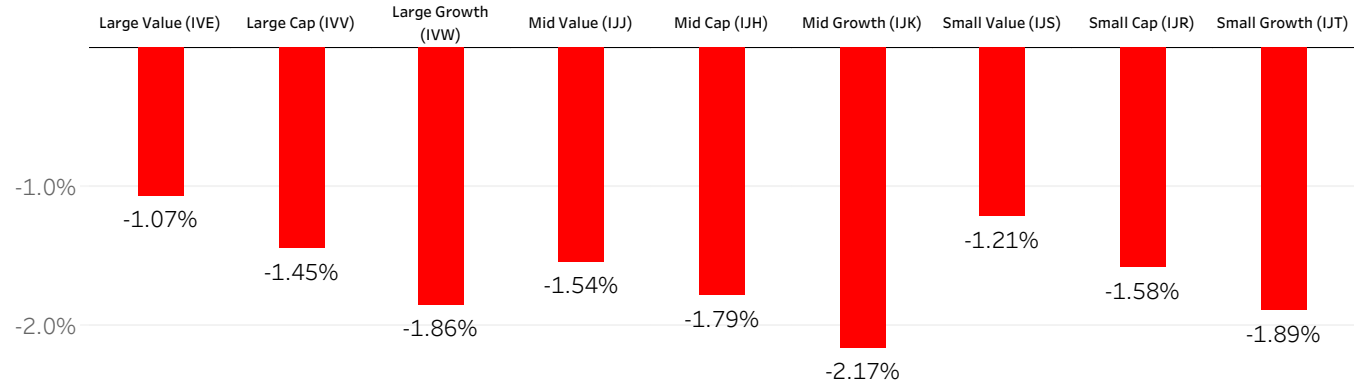


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|---|-------------|
| SIXL | ETC 6 Meridian Low Beta Equity ETF | 1.71% |
| RBUS | Nationwide Risk-Based U.S. Equity ETF | 1.05% |
| RFDA | RiverFront Dynamic US Dividend Advantage ETF | 0.50% |
| SPC | CrossingBridge Pre-Merger SPAC ETF | 0.00% |
| PTNQ | Pacer Trendpilot 100 ETF | 0.00% |
| PTMC | Pacer Trendpilot US Mid Cap ETF | -0.01% |
| SPHD | Invesco S&P 500 High Dividend Low Volatility ETF | -0.16% |
| DJD | Invesco Dow Jones Industrial Average Dividend ETF | -0.18% |
| ONOF | Global X Adaptive U.S. Risk Management ETF | -0.19% |
| PEY | Invesco High Yield Equity Dividend Achievers ETF | -0.22% |

Size & Style Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| SPHD | Invesco S&P 500 High Dividend Low Volatility ETF | 72.12 |
| WBIY | WBI Power Factor High Dividend ETF | 71.22 |
| DJD | Invesco Dow Jones Industrial Average Dividend ETF | 69.11 |
| SDOG | ALPS Sector Dividend Dogs ETF | 68.65 |
| LVHD | Legg Mason Low Volatility High Dividend ETF | 68.36 |
| FDL | First Trust Morningstar Dividend Leaders Index Fund | 68.34 |
| DIV | Global X SuperDividend US ETF | 67.97 |
| TPHE | Timothy Plan High Dividend Stock Enhanced ETF | 66.30 |
| PEY | Invesco High Yield Equity Dividend Achievers ETF | 66.24 |
| SPLV | Invesco S&P 500 Low Volatility ETF | 65.18 |

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|--|-------------|
| IPO | Renaissance IPO ETF | -4.85% |
| BUZZ | VanEck Social Sentiment ETF | -3.74% |
| FFTY | Innovator IBD 50 ETF | -3.49% |
| DWAS | Invesco DWA SmallCap Momentum ETF | -3.32% |
| FPX | First Trust US Equity Opportunities ETF | -3.25% |
| RPG | Invesco S&P 500 Pure Growth ETF | -3.25% |
| FCTR | First Trust Lunt U.S. Factor Rotation ETF | -3.19% |
| SPHB | Invesco S&P 500 High Beta ETF | -3.17% |
| MMLG | First Trust Multi-Manager Large Growth ETF | -3.11% |
| PDP | Invesco DWA Momentum ETF | -3.09% |

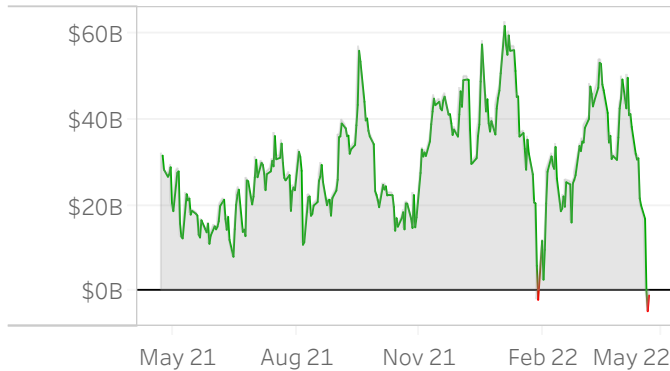
Size & Style Most Oversold

| Ticker | Fund | Value |
|--------|--|-------|
| FFTY | Innovator IBD 50 ETF | 35.35 |
| QQH | HCM Defender 100 Index ETF | 36.02 |
| BUZZ | VanEck Social Sentiment ETF | 36.51 |
| PTNQ | Pacer Trendpilot 100 ETF | 36.61 |
| IPO | Renaissance IPO ETF | 36.99 |
| MMLG | First Trust Multi-Manager Large Growth ETF | 37.84 |
| QVML | Invesco S&P 500 QVM Multi-factor ETF | 37.93 |
| LCG | Sterling Capital Focus Equity ETF | 39.30 |
| GURU | Global X Guru Index ETF | 39.41 |
| GVIP | Goldman Sachs Hedge Industry VIP ETF | 39.55 |

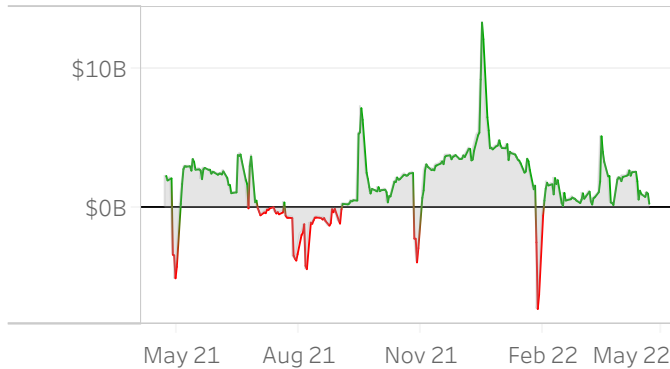
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

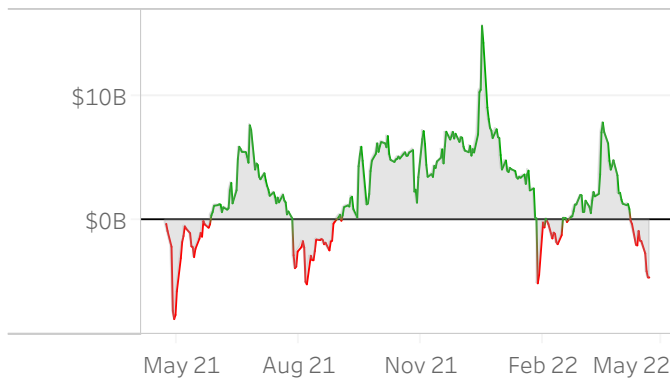
Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

| | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|--------------------------------------|-------|----------|------------|-----------|-----------|-----------|
| Large Cap, Beta Growth, Beta | 26 | \$1,312B | (\$17.54B) | \$5.75B | \$52.01B | \$113.00B |
| Large Cap, Beta Growth, Beta: Growth | 10 | \$245B | (\$1.65B) | \$2.77B | \$4.70B | \$13.58B |
| Large Cap, Beta Growth, Beta: Value | 11 | \$232B | (\$0.25B) | \$10.27B | \$17.41B | \$30.67B |
| Mid Cap, Beta, Beta | 10 | \$191B | (\$0.06B) | \$1.80B | \$7.38B | \$10.16B |
| Mid Cap, Beta, Beta: Growth | 6 | \$36B | (\$0.07B) | (\$0.45B) | \$0.25B | (\$0.57B) |
| Mid Cap, Beta, Beta: Value | 6 | \$43B | (\$0.07B) | (\$0.14B) | \$0.33B | \$1.84B |
| Small Cap, Beta, Beta | 12 | \$211B | (\$0.06B) | \$0.91B | \$5.52B | \$11.66B |
| Small Cap, Beta, Beta: Growth | 7 | \$34B | (\$0.04B) | \$0.17B | \$0.67B | \$0.58B |
| Small Cap, Beta, Beta: Value | 7 | \$55B | (\$0.11B) | (\$3.02B) | (\$1.79B) | (\$1.20B) |

U.S. Size & Style Flow Leaders

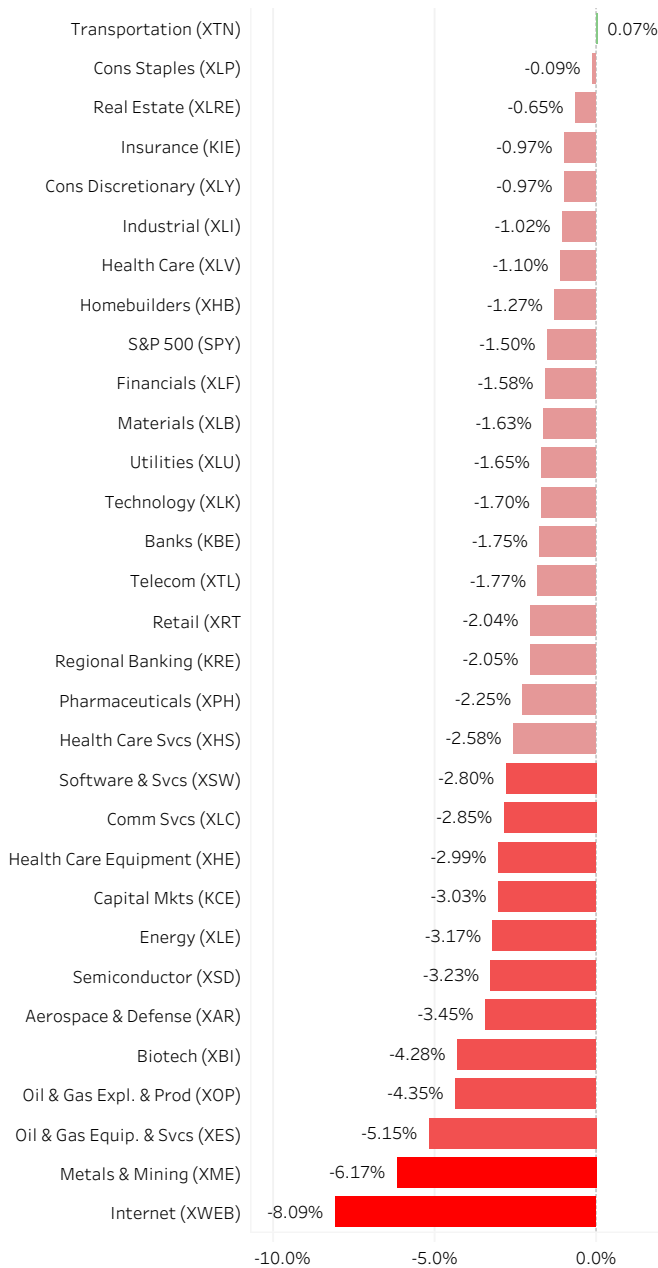
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|---------|---------|----------|----------|-----------|
| HDV | iShares Core High Dividend ETF | \$0.42B | \$1.92B | \$1.96B | \$2.42B | \$10.29B |
| SCHD | Schwab US Dividend Equity ETF | \$0.32B | \$3.55B | \$5.39B | \$11.41B | \$35.88B |
| QQQ | Invesco QQQ Trust | \$0.29B | \$2.10B | \$8.58B | \$19.82B | \$183.37B |
| FDL | First Trust Morningstar Dividend Leaders Ind.. | \$0.23B | \$0.50B | \$0.54B | \$0.57B | \$2.48B |
| VTI | Vanguard Total Stock Market ETF | \$0.19B | \$6.68B | \$20.13B | \$40.65B | \$286.93B |
| SPLV | Invesco S&P 500 Low Volatility ETF | \$0.18B | \$0.43B | \$1.78B | \$1.21B | \$10.41B |
| COWZ | Pacer US Cash Cows 100 ETF | \$0.15B | \$2.58B | \$3.27B | \$3.75B | \$4.47B |
| VYM | Vanguard High Dividend Yield Index ETF | \$0.13B | \$2.28B | \$4.14B | \$5.65B | \$45.89B |
| IWY | iShares Russell Top 200 Growth ETF | \$0.12B | \$0.39B | \$0.72B | \$0.91B | \$4.76B |
| DGRO | iShares Core Dividend Growth ETF | \$0.11B | \$1.33B | \$2.78B | \$4.29B | \$24.01B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|-----------|-----------|-----------|-----------|-----------|
| VOO | Vanguard S&P 500 ETF | (\$9.67B) | \$13.35B | \$17.85B | \$40.22B | \$275.59B |
| IVV | iShares Core S&P 500 ETF | (\$7.77B) | \$4.36B | \$17.67B | \$20.67B | \$315.65B |
| IVW | iShares S&P 500 Growth ETF | (\$1.04B) | (\$0.71B) | (\$0.69B) | (\$0.52B) | \$33.91B |
| IWF | iShares Russell 1000 Growth ETF | (\$0.66B) | (\$0.73B) | (\$2.23B) | (\$1.79B) | \$66.57B |
| IWD | iShares Russell 1000 Value ETF | (\$0.37B) | (\$1.21B) | \$0.16B | \$1.35B | \$57.97B |
| IJR | iShares Core S&P Small Cap ETF | (\$0.21B) | \$0.21B | \$3.98B | \$4.76B | \$71.61B |
| IWB | iShares Russell 1000 ETF | (\$0.20B) | (\$0.42B) | (\$0.81B) | (\$0.46B) | \$29.54B |
| IUSG | iShares Core S&P U.S. Growth ETF | (\$0.14B) | \$0.20B | \$0.37B | \$0.61B | \$12.18B |
| VSDA | VictoryShares Dividend Accelerator ETF | (\$0.12B) | (\$0.04B) | (\$0.03B) | (\$0.06B) | \$0.32B |
| IJH | iShares Core S&P Mid-Cap ETF | (\$0.12B) | \$0.31B | \$2.00B | \$2.04B | \$65.78B |

* 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) |
|--------|--|-----------------|----------------|--------------------|---------------------|-----------|
| XLP | Consumer Staples Select Sector SPDR Fund | -0.09% | 17.01% | 6.29% | 9.37% | 73.42 |
| XLB | Materials Select Sector SPDR Fund | -1.70% | 12.59% | 3.89% | 4.30% | 56.08 |
| XLU | Utilities Select Sector SPDR Fund | -1.87% | 19.44% | 5.60% | 9.99% | 57.74 |
| XLV | Health Care Select Sector SPDR Fund | -2.87% | 14.34% | 3.50% | 4.16% | 54.00 |
| XLRE | Real Estate Select Sector SPDR Fund | -2.97% | 22.49% | 6.84% | 6.00% | 64.39 |
| XLE | Energy Select Sector SPDR Fund | -3.59% | 70.58% | 4.61% | 29.87% | 52.51 |
| XLI | Industrial Select Sector SPDR Fund | -5.80% | 5.55% | 0.57% | -1.63% | 50.25 |
| SPY | SPDR S&P 500 ETF Trust | -8.30% | 8.05% | -0.33% | -2.47% | 45.10 |
| XLF | Financial Select Sector SPDR Fund | -10.00% | 6.18% | -2.32% | -3.52% | 43.73 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -14.86% | 10.30% | 0.81% | -4.28% | 49.11 |
| XLK | Technology Select Sector SPDR Fund | -16.67% | 12.10% | -3.48% | -7.23% | 41.24 |
| XLC | Communication Services Select Sector SPDR Fund | -27.01% | 0.00% | -6.97% | -17.93% | 33.40 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|---|-------------------|
| XTN | SPDR S&P Transportation ETF | 0.07% |
| IYK | iShares U.S. Consumer Staples ETF | 0.07% |
| RHS | Invesco S&P 500 Equal Weight Consumer Staples .. | 0.03% |
| IYT | iShares US Transportation ETF | -0.08% |
| XLP | Consumer Staples Select Sector SPDR Fund | -0.09% |
| REZ | iShares Residential and Multisector Real Estate E.. | -0.10% |
| NURE | Nuveen Short-Term REIT ETF | -0.17% |
| VDC | Vanguard Consumer Staples ETF | -0.19% |
| FSTA | FIDELITY COVINGTON TRUST MSCI CONSUMER ST.. | -0.23% |
| EWRE | Invesco S&P 500 Equal Weight Real Estate ETF | -0.26% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|---|-----------|
| RHS | Invesco S&P 500 Equal Weight Consumer Staples ETF | 77.08 |
| FXG | First Trust Consumer Staples AlphaDEX Fund | 76.72 |
| IYK | iShares U.S. Consumer Staples ETF | 75.55 |
| XLP | Consumer Staples Select Sector SPDR Fund | 73.42 |
| FSTA | FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES.. | 72.41 |
| VDC | Vanguard Consumer Staples ETF | 71.49 |
| FTXG | First Trust Nasdaq Food & Beverage ETF | 71.37 |
| PBJ | Invesco Dynamic Food & Beverage ETF | 69.98 |
| MLPA | Global X MLP ETF | 66.90 |
| FXU | First Trust Utilities AlphaDEX Fund | 65.98 |

Sector & Industry 1 Day Performance Laggards

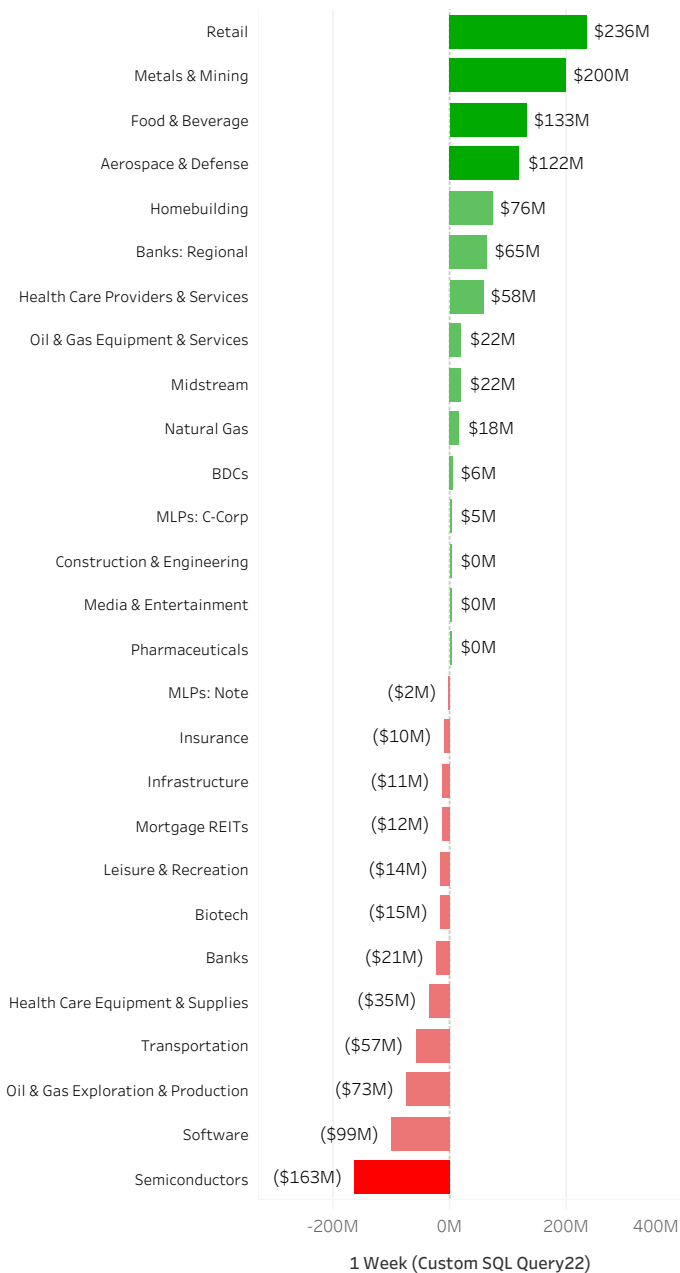
| Ticker | Fund | 1 Day Performance |
|--------|---|-------------------|
| XME | SPDR S&P Metals & Mining ETF | -6.17% |
| XES | SPDR S&P Oil & Gas Equipment & Services ETF | -5.15% |
| PXI | Invesco DWA Energy Momentum ETF | -4.67% |
| PYZ | Invesco DWA Basic Materials Momentum ETF | -4.52% |
| PXJ | Invesco Dynamic Oil & Gas Services ETF | -4.46% |
| FCG | First Trust Natural Gas ETF | -4.36% |
| XOP | SPDR S&P Oil & Gas Exploration & Production ETF | -4.35% |
| XBI | SPDR S&P BIOTECH ETF | -4.28% |
| PSCE | Invesco S&P SmallCap Energy ETF | -4.27% |
| IEZ | iShares U.S. Oil Equipment & Services ETF | -4.16% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|--|-----------|
| XLC | Communication Services Select Sector SPDR Fund | 33.40 |
| PNQI | Invesco NASDAQ Internet ETF | 33.91 |
| FCOM | Fidelity MSCI Communication Services Index ETF | 33.98 |
| VOX | Vanguard Communication Services ETF | 34.04 |
| FDN | First Trust Dow Jones Internet Index Fund | 35.20 |
| XBI | SPDR S&P BIOTECH ETF | 36.60 |
| XNTK | SPDR NYSE Technology ETF | 37.13 |
| XSD | SPDR S&P Semiconductor ETF | 37.38 |
| XPH | SPDR S&P Pharmaceuticals ETF | 37.68 |
| IGM | iShares Expanded Tech Sector ETF | 37.98 |

* 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 | 9 | \$16B | \$29M | (\$429M) | (\$1,515M) | \$524M |
| Consumer Discretionary | 13 | \$31B | \$123M | (\$2,384M) | (\$1,996M) | (\$2,485M) |
| Consumer Staples | 12 | \$28B | \$321M | \$2,685M | \$5,211M | \$6,153M |
| Energy | 34 | \$82B | \$200M | \$914M | \$4,713M | \$5,084M |
| Financials | 28 | \$77B | (\$21M) | (\$5,522M) | (\$1,255M) | \$3,124M |
| Health Care | 26 | \$94B | \$521M | \$3,819M | \$9,613M | \$12,480M |
| Industrial | 14 | \$34B | \$380M | (\$406M) | (\$824M) | (\$4,768M) |
| Materials | 10 | \$21B | \$531M | \$2,089M | \$3,032M | \$3,041M |
| Multi-Sector | 18 | \$18B | (\$20M) | (\$4,406M) | (\$3,686M) | (\$2,810M) |
| Real Estate | 23 | \$82B | \$444M | (\$1,833M) | \$2,669M | \$8,815M |
| Technology | 24 | \$135B | (\$170M) | \$473M | \$1,417M | \$6,750M |
| Utilities | 10 | \$26B | \$364M | \$2,222M | \$2,870M | \$2,873M |

U.S. Sector & Industry Flow Leaders

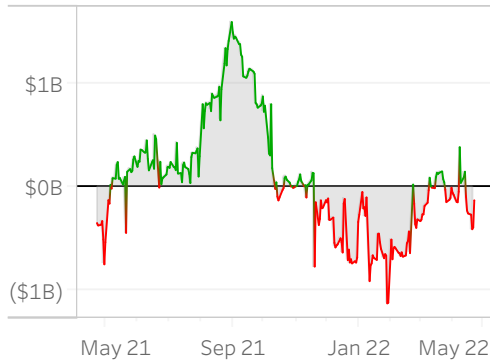
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|-------------------------------------|--------|------------|------------|------------|-----------|
| XLV | Health Care Select Sector SPDR Fund | \$468M | \$2,835M | \$6,684M | \$9,317M | \$39,141M |
| XLU | Utilities Select Sector SPDR Fund | \$274M | \$1,214M | \$1,690M | \$1,371M | \$15,694M |
| XRT | SPDR S&P Retail ETF | \$239M | \$232M | (\$186M) | \$103M | \$626M |
| XLK | Technology Select Sector SPDR Fund | \$214M | \$1,042M | \$1,500M | \$2,557M | \$45,398M |
| XLF | Financial Select Sector SPDR Fund | \$209M | (\$2,813M) | \$144M | \$691M | \$42,044M |
| XLI | Industrial Select Sector SPDR Fund | \$207M | (\$1,889M) | (\$2,299M) | (\$5,320M) | \$15,393M |
| XME | SPDR S&P Metals & Mining ETF | \$200M | \$704M | \$875M | \$936M | \$3,892M |
| FXZ | First Trust Materials AlphaDEX Fund | \$178M | \$1,375M | \$1,401M | \$1,506M | \$2,132M |
| IYR | iShares U.S. Real Estate ETF | \$143M | (\$1,778M) | (\$1,676M) | (\$1,559M) | \$5,555M |
| XLRE | Real Estate Select Sector SPDR Fund | \$130M | (\$308M) | \$1,378M | \$2,609M | \$6,058M |

U.S. Sector & Industry Flow Laggards

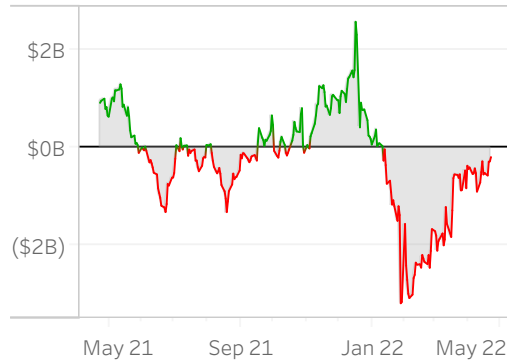
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|----------|------------|------------|------------|-----------|
| VFH | Vanguard Financials ETF | (\$191M) | (\$223M) | \$385M | \$947M | \$11,221M |
| SOXX | iShares Semiconductor ETF | (\$167M) | \$160M | \$1,277M | \$1,597M | \$8,124M |
| XOP | SPDR S&P Oil & Gas Exploration & Production E.. | (\$109M) | (\$16M) | (\$68M) | (\$513M) | \$5,834M |
| IYZ | iShares U.S. Telecommunications ETF | (\$101M) | (\$113M) | (\$3M) | (\$19M) | \$396M |
| IGV | iShares Expanded Tech-Software Sector ETF | (\$97M) | \$90M | (\$8M) | \$387M | \$4,843M |
| FXD | First Trust Consumer Discretionary AlphaDEX F.. | (\$86M) | (\$265M) | (\$355M) | (\$240M) | \$1,417M |
| USRT | iShares Core U.S. REIT ETF | (\$61M) | (\$140M) | (\$130M) | \$127M | \$2,525M |
| FDN | First Trust Dow Jones Internet Index Fund | (\$61M) | (\$1,704M) | (\$2,176M) | (\$2,198M) | \$5,608M |
| IYT | iShares US Transportation ETF | (\$50M) | (\$485M) | (\$483M) | (\$860M) | \$1,211M |
| VGT | Vanguard Information Technology ETF | (\$48M) | \$122M | \$263M | \$2,858M | \$48,411M |

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

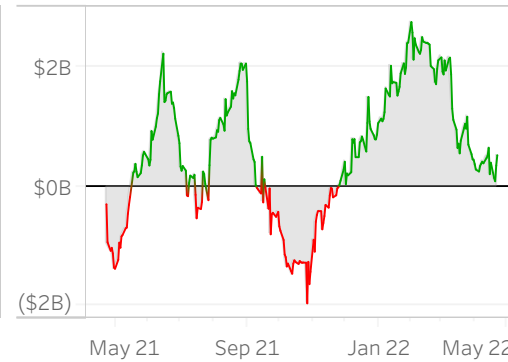
Communication Services



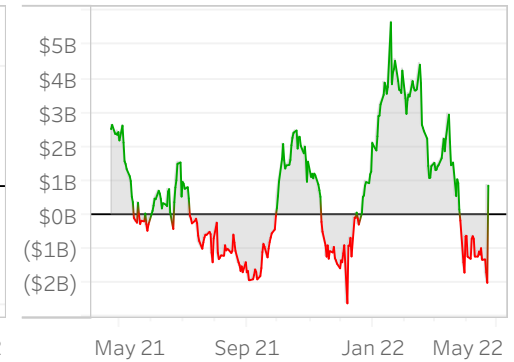
Consumer Discretionary



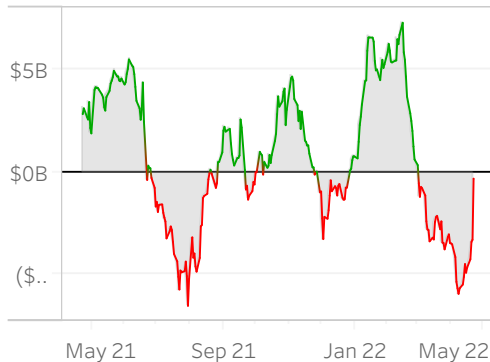
Consumer Staples



Energy



Financials



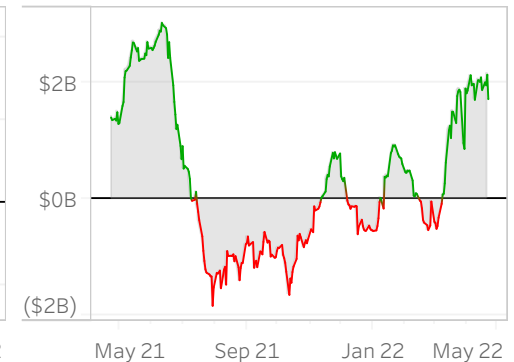
Industrial



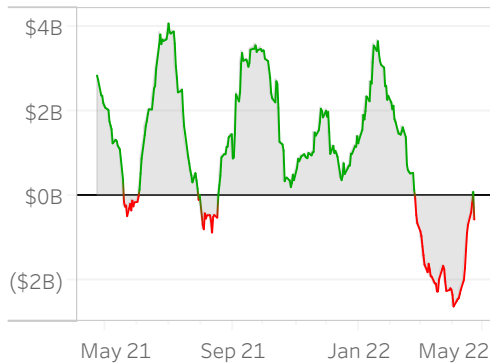
Health Care



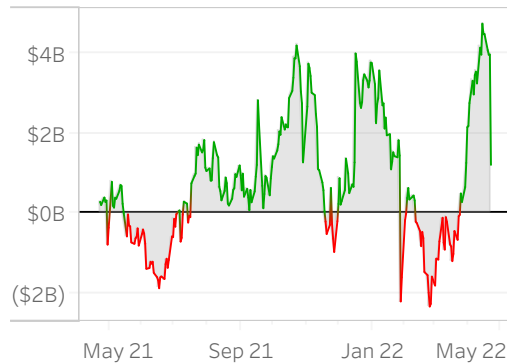
Materials



Real Estate



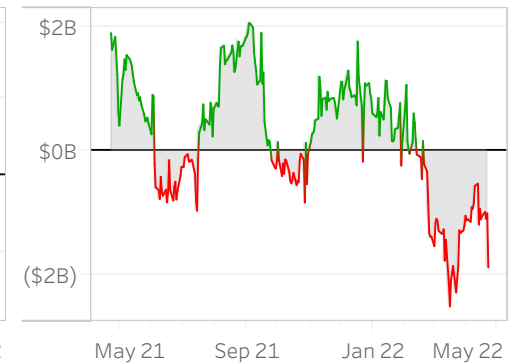
Technology



Utilities

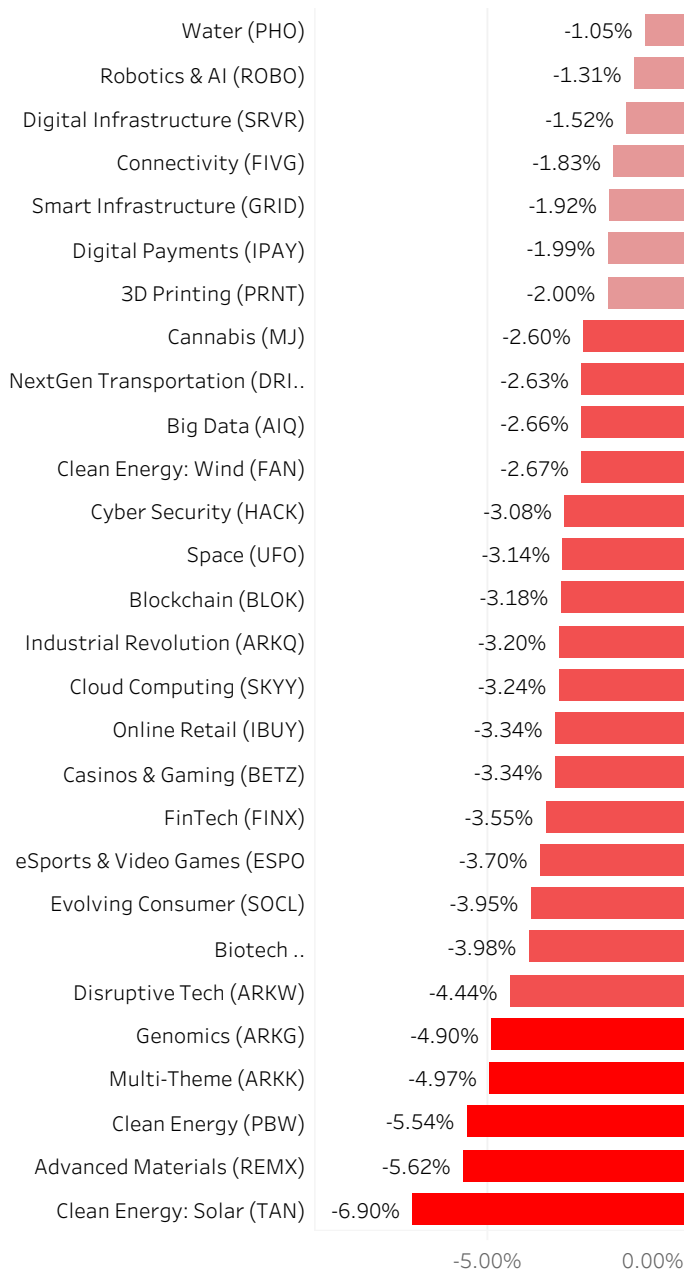


Multi-Sector

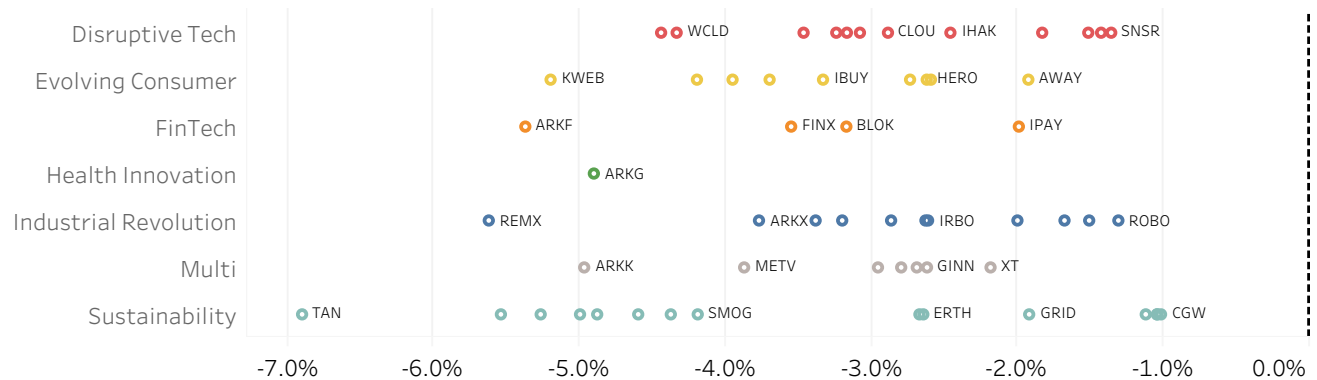


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| EBLU | Ecofin Global Water ESG Fund | -0.56% |
| KLDW | Knowledge Leaders Developed World ETF | -0.96% |
| EVX | VanEck Environmental Services ETF | -1.01% |
| CGW | Invesco S&P Global Water Index ETF | -1.02% |
| PHO | Invesco Water Resources ETF | -1.05% |
| PIO | Invesco Global Water ETF | -1.05% |
| FIW | First Trust Water ETF | -1.12% |
| ROBO | ROBO Global Robotics & Automation Index ETF | -1.31% |
| SNSR | Global X Internet of Things ETF | -1.36% |
| NXTG | First Trust Indxx NextG ETF | -1.43% |

Thematic Most Overbought

| Ticker | Fund | Price |
|--------|---|-------|
| EVX | VanEck Environmental Services ETF | 56.95 |
| SRVR | Pacer Benchmark Data & Infrastructure Real Estate SCTR .. | 55.38 |
| VPN | Global X Data Center REITs & Digital Infrastructure ETF | 50.59 |
| AGNG | Global X Aging Population ETF | 50.53 |
| PHO | Invesco Water Resources ETF | 48.36 |
| FIW | First Trust Water ETF | 48.08 |
| PIO | Invesco Global Water ETF | 46.60 |
| AWAY | ETFMG Travel Tech ETF | 46.48 |
| BUG | Global X Cybersecurity ETF | 45.81 |
| EBLU | Ecofin Global Water ESG Fund | 45.34 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| HDRO | Defiance Next Gen H2 ETF | -7.07% |
| TAN | Invesco Solar ETF | -6.90% |
| CTEC | Global X CleanTech ETF | -6.39% |
| REMX | VanEck Rare Earth/Strategic Metals ETF | -5.62% |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | -5.62% |
| PBW | Invesco WilderHill Clean Energy ETF | -5.54% |
| ARKF | ARK Fintech Innovation ETF | -5.37% |
| QCLN | First Trust Nasdaq Clean Edge Green Energy Index Fund | -5.27% |
| KWEB | KraneShares CSI China Internet ETF | -5.20% |
| DAPP | VanEck Digital Transformation ETF | -5.16% |

Thematic Most Oversold

| Ticker | Fund | Price |
|--------|---|-------|
| KSTR | KraneShares SSE STAR Market 50 Index ETF | 26.40 |
| YOLO | AdvisorShares Pure Cannabis ETF | 28.93 |
| CNBS | Amplify Seymour Cannabis ETF | 29.48 |
| HERO | Global X Video Games & Esports ETF | 29.94 |
| MSOS | AdvisorShares Pure US Cannabis ETF | 30.27 |
| GAMR | Wedbush ETFMG Video Game Tech ETF | 31.31 |
| ESPO | VanEck Video Gaming and eSports ETF | 31.83 |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | 32.57 |
| TAN | Invesco Solar ETF | 32.64 |
| BKCH | Global X Blockchain ETF | 33.17 |

* 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 | |
|--------|---|-------|
| ARKK | ARK Innovation ETF | \$67M |
| ARKG | ARK Genomic Revolution ETF | \$39M |
| CIBR | First Trust NASDAQ Cybersecurity ETF | \$31M |
| BUG | Global X Cybersecurity ETF | \$19M |
| KOMP | SPDR S&P Kensho New Economies Composite ETF | \$9M |
| HYDR | Global X Hydrogen ETF | \$5M |
| AWAY | ETFMG Travel Tech ETF | \$5M |
| TENG | Direxion Daily 5G Communications Bull 2X Shares | \$4M |
| ARVR | First Trust Indxx Metaverse ETF | \$3M |
| BKCH | Global X Blockchain ETF | \$2M |

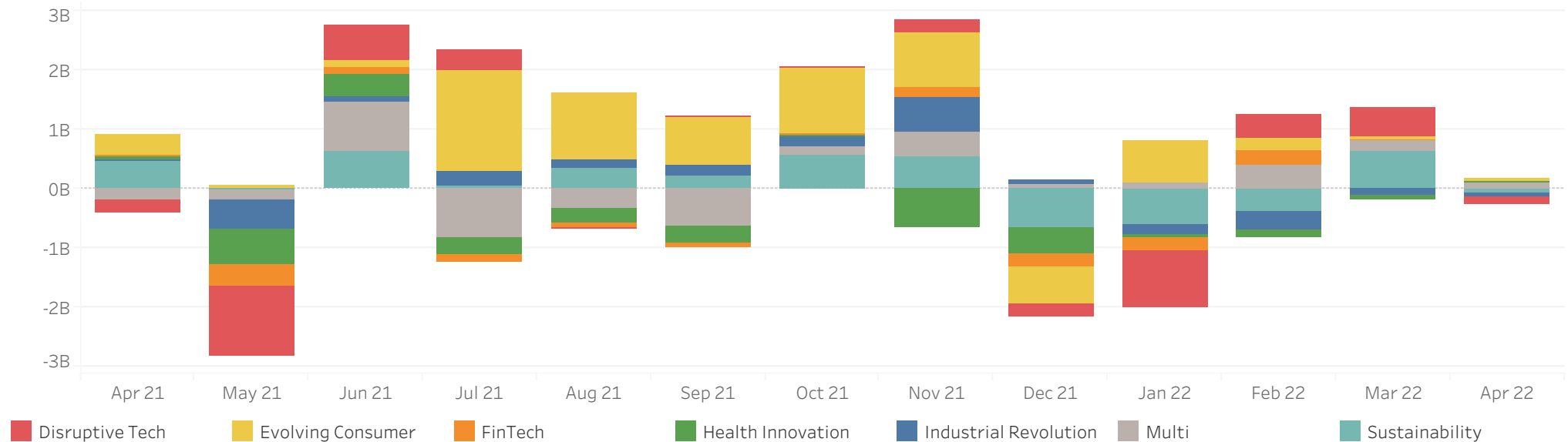
Thematic 1 Week Flow Laggards

| Ticker | Fund | |
|--------|--|---------|
| TAN | Invesco Solar ETF | (\$35M) |
| CLOU | Global X Cloud Computing ETF | (\$20M) |
| SKYY | First Trust Cloud Computing ETF | (\$17M) |
| KWEB | KraneShares CSI China Internet ETF | (\$15M) |
| REMX | VanEck Rare Earth/Strategic Metals ETF | (\$11M) |
| MILN | Global X Millennial Consumer ETF | (\$11M) |
| BETZ | Roundhill Sports Betting & iGaming ETF | (\$10M) |
| RNRG | Global X Funds Global X Renewable Energy Producers ETF | (\$9M) |
| PBW | Invesco WilderHill Clean Energy ETF | (\$9M) |
| FIVG | Defiance Next Gen Connectivity ETF | (\$9M) |

Thematic Landscape Assets & Flows

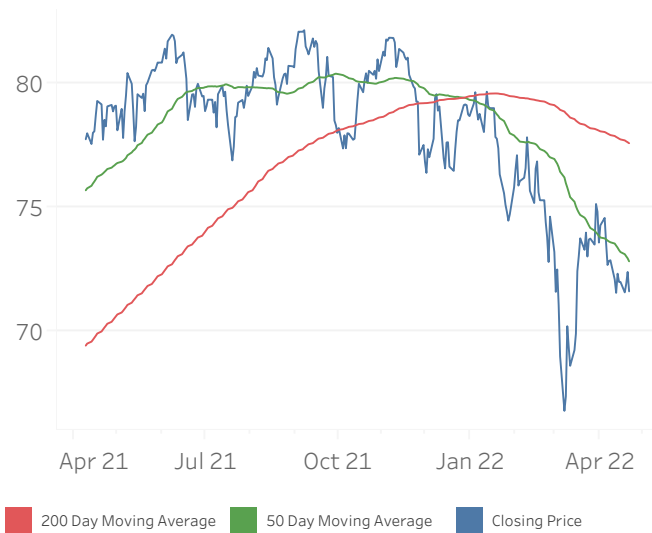
| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|-------|-------|---------|----------|------------|------------|
| Disruptive Tech | 36 | \$24B | (\$19M) | \$533M | (\$29M) | (\$613M) |
| Evolving Consumer | 47 | \$11B | (\$44M) | \$262M | \$1,394M | \$6,580M |
| FinTech | 22 | \$5B | (\$2M) | \$204M | \$4M | (\$484M) |
| Health Innovation | 19 | \$4B | \$36M | (\$147M) | (\$1,317M) | (\$2,284M) |
| Industrial Revolution | 29 | \$14B | (\$31M) | (\$654M) | \$267M | \$355M |
| Multi | 38 | \$19B | \$81M | \$908M | \$928M | (\$34M) |
| Sustainability | 40 | \$20B | (\$55M) | \$22M | (\$277M) | \$1,591M |
| Grand Total | 231 | \$97B | (\$34M) | \$1,128M | \$971M | \$5,111M |

Thematic Monthly Flows

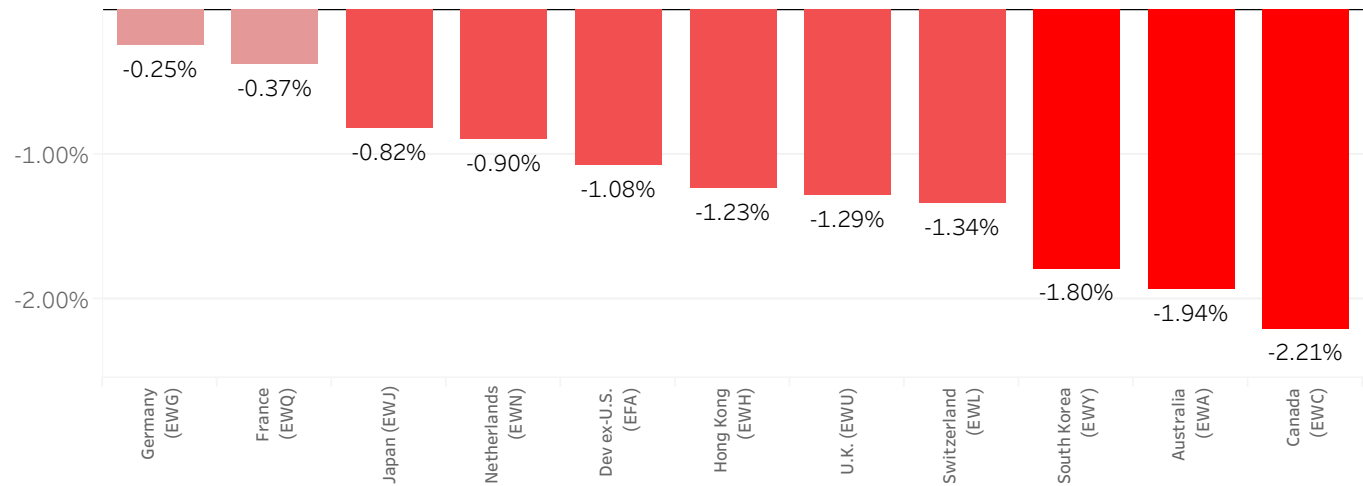


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

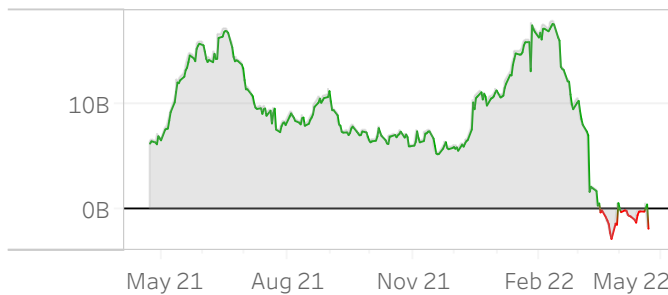
Developed ex-U.S. (EFA)



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



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



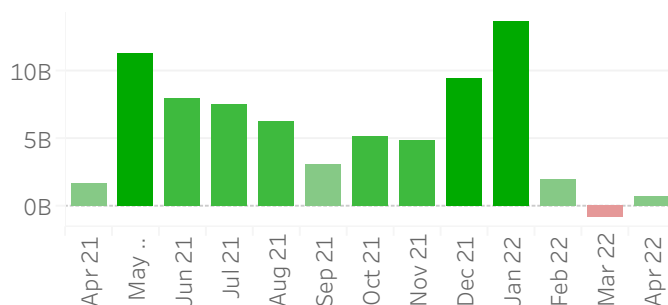
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|---|-------------|
| CIL | VictoryShares International Volatility Wtd ETF | 1.51% |
| IEUS | iShares MSCI Europe Small-Cap ETF | -0.10% |
| HEDJ | WisdomTree Europe Hedged Equity Fund | -0.12% |
| WPS | iShares International Developed Property ETF | -0.18% |
| RBIN | Nationwide Risk-Based International Equity ETF | -0.20% |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | -0.20% |
| HSCZ | iShares Currency Hedged MSCI EAFE Small-Cap ETF | -0.21% |
| EWG | iShares MSCI Germany ETF | -0.25% |
| EUSC | WisdomTree Europe Hedged SmallCap Equity Fund | -0.28% |
| HEWJ | iShares Currency Hedged MSCI Japan ETF | -0.34% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| EUSC | WisdomTree Europe Hedged SmallCap Equity Fund | 56.22 |
| HEDJ | WisdomTree Europe Hedged Equity Fund | 55.55 |
| GREK | Global X MSCI Greece ETF | 54.93 |
| DXJ | WisdomTree Japan Hedged Equity Fund | 54.73 |
| EWJP | iShares MSCI Spain ETF | 53.56 |
| LVHI | Legg Mason International Low Volatility High Dividend ETF | 53.31 |
| EWA | iShares MSCI Australia ETF | 52.94 |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | 51.71 |
| HSCZ | iShares Currency Hedged MSCI EAFE Small-Cap ETF | 51.62 |
| IVAL | Alpha Architect International Quantitative Value ETF | 51.43 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund | Performance |
|--------|---|-------------|
| AIA | iShares Asia 50 ETF | -2.60% |
| GREK | Global X MSCI Greece ETF | -2.58% |
| IQDG | WisdomTree International Quality Dividend Growth Fund | -2.32% |
| EIS | iShares MSCI Israel ETF | -2.31% |
| EWC | iShares MSCI Canada ETF | -2.21% |
| BBCA | JPMorgan BetaBuilders Canada ETF | -2.09% |
| FDT | First Trust Developed Markets ex-US AlphaDEX Fund | -1.99% |
| ICOW | Pacer Developed Markets International Cash Cows 100 ETF | -1.97% |
| EWA | iShares MSCI Australia ETF | -1.94% |
| PIZ | Invesco DWA Developed Markets Momentum ETF | -1.88% |

Developed ex-U.S. Most Oversold

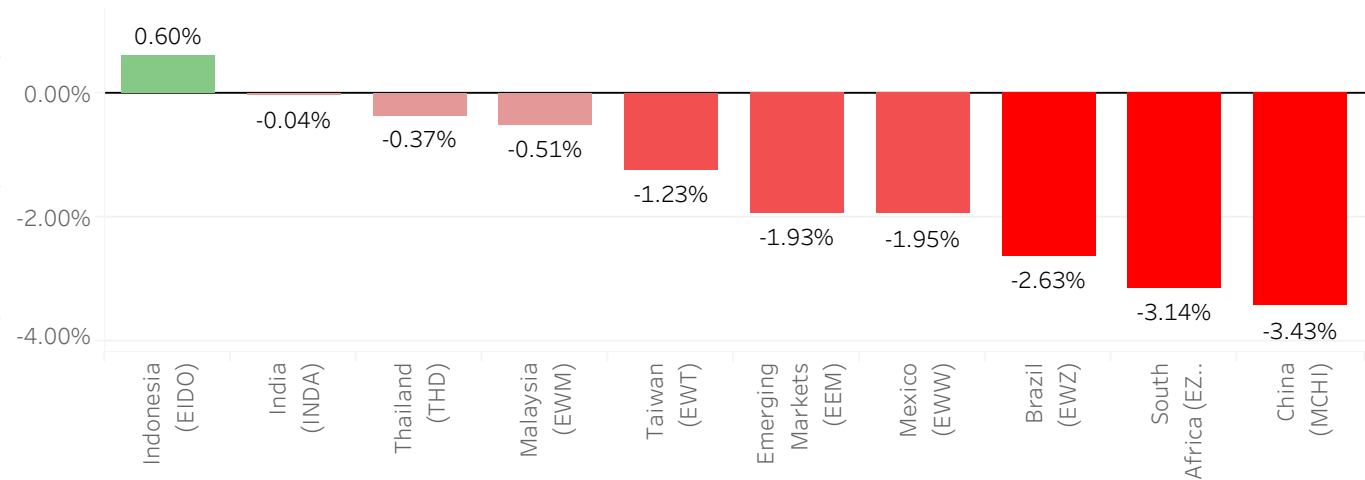
| Ticker | Fund | Value |
|--------|--|-------|
| DFJ | WisdomTree Japan SmallCap Dividend Fund | 31.49 |
| SCJ | iShares MSCI Japan Small-Cap ETF | 32.45 |
| PTIN | Pacer Trendpilot International ETF | 33.34 |
| AIA | iShares Asia 50 ETF | 33.49 |
| AAXJ | iShares MSCI All Country Asia ex Japan ETF | 34.78 |
| JPXN | iShares JPX-Nikkei 400 ETF | 35.25 |
| EWH | iShares MSCI Hong Kong ETF | 35.61 |
| FLJP | Franklin FTSE Japan ETF | 35.77 |
| EWJ | iShares MSCI Japan ETF | 35.85 |
| BBJP | JPMorgan BetaBuilders Japan ETF | 36.07 |

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

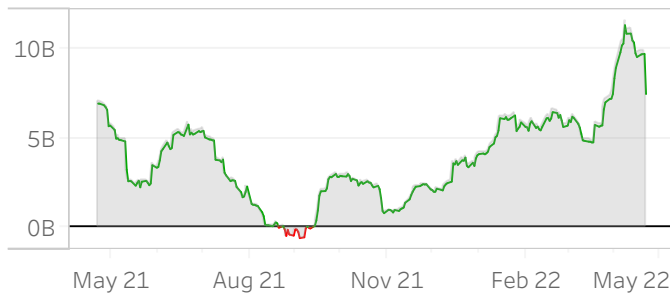
Emerging (EEM)



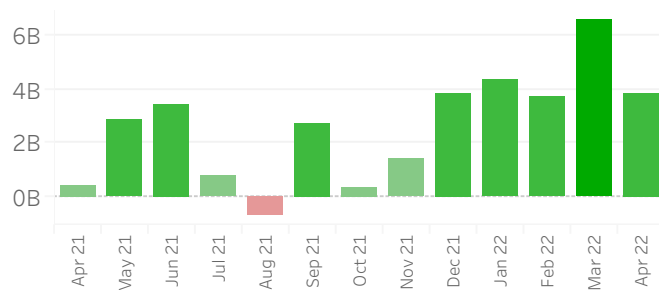
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| EIDO | iShares MSCI Indonesia ETF | 0.60% |
| IDX | VanEck Indonesia Index ETF | 0.09% |
| FLIN | Franklin FTSE India ETF | -0.04% |
| INDA | iShares MSCI India ETF | -0.04% |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | -0.06% |
| EPI | WisdomTree India Earnings Fund | -0.11% |
| INDY | iShares India 50 ETF | -0.13% |
| SMIN | iShares MSCI India Small Cap ETF | -0.24% |
| THD | iShares MSCI Thailand ETF | -0.37% |
| EWM | iShares MSCI Malaysia ETF | -0.51% |

Emerging Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| TUR | iShares MSCI Turkey ETF | 77.33 |
| IDX | VanEck Indonesia Index ETF | 63.73 |
| KSA | iShares MSCI Saudi Arabia ETF | 58.71 |
| EIDO | iShares MSCI Indonesia ETF | 56.92 |
| EPI | WisdomTree India Earnings Fund | 52.21 |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | 51.61 |
| FLIN | Franklin FTSE India ETF | 50.41 |
| INDA | iShares MSCI India ETF | 49.90 |
| SMIN | iShares MSCI India Small Cap ETF | 49.32 |
| EWZS | iShares MSCI Brazil Small-Cap ETF | 48.52 |

Emerging 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| PGJ | Invesco Golden Dragon China ETF | -5.12% |
| ECNS | iShares MSCI China Small-Cap ETF | -4.32% |
| ECH | iShares MSCI Chile ETF | -4.17% |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | -4.16% |
| FLCH | Franklin FTSE China ETF | -3.52% |
| GXC | SPDR S&P China ETF | -3.45% |
| MCHI | iShares MSCI China ETF | -3.43% |
| FNI | First Trust Chindia ETF | -3.24% |
| EZA | iShares MSCI South Africa ETF | -3.14% |
| FLBR | Franklin FTSE Brazil ETF | -3.11% |

Emerging Most Oversold

| Ticker | Fund | Value |
|--------|---|-------|
| VNM | VanEck Vietnam ETF | 24.76 |
| CNYA | iShares MSCI China A ETF | 27.37 |
| EPU | iShares MSCI Peru ETF | 28.54 |
| EZA | iShares MSCI South Africa ETF | 28.72 |
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | 29.20 |
| KBA | KraneShares Bosera MSCI China A 50 Connect Index .. | 30.03 |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | 30.78 |
| FLCH | Franklin FTSE China ETF | 32.60 |
| GXC | SPDR S&P China ETF | 32.61 |
| JEMA | JPMorgan ActiveBuilders Emerging Markets Equity .. | 32.80 |

*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 | -0.55% | -3.59% | -9.28% |
| SHY | 1-3 Year Treasury Bonds | -0.17% | -0.76% | -2.99% |
| IEF | 7-10 Year Treasury Bonds | -0.55% | -4.50% | -10.44% |
| TLT | 20+ Year Treasury Bonds | -0.74% | -7.22% | -18.17% |
| TIP | TIPS Bonds | 0.40% | -2.32% | -4.53% |
| FLOT | Floating Rate Bonds | -0.02% | 0.26% | -0.24% |
| LQD | Investment Grade Corporate | -1.06% | -5.27% | -13.80% |
| HYG | High Yield Corporate | -0.69% | -1.86% | -7.31% |
| BKLN | Senior Loan | -0.09% | 0.74% | -0.57% |
| PFF | Preferred & Income Securities | -1.26% | -3.34% | -11.46% |
| MUB | Municipal Bonds | -0.31% | -2.96% | -7.67% |
| MBB | MBS | -0.65% | -4.00% | -8.52% |
| EMB | Dollar Denominated EM Bonds | -0.90% | -2.50% | -13.70% |
| LEMB | Local Currency EM Bond | -0.30% | -1.60% | -7.52% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|-------------------------|--------|---------|--------|
| DJP | Broad Commodities | 0.03% | 4.64% | 36.79% |
| DBE | Energy | 0.04% | 5.13% | 46.43% |
| USO | WTI Crude Oil | 1.14% | -1.79% | 43.71% |
| BNO | Brent Crude Oil | 1.08% | -3.88% | 47.92% |
| UNG | Natural Gas | 0.83% | 38.76% | 93.76% |
| UGA | Gasoline | 0.89% | -1.31% | 43.68% |
| DBP | Precious Metals | -0.73% | -0.16% | 5.94% |
| GLD | Gold | -0.36% | 0.77% | 6.49% |
| SLV | Silver | -2.10% | -2.10% | 5.95% |
| PPLT | abrdn Physical Platin.. | -2.52% | -6.68% | -0.02% |
| PALL | abrdn Physical Palla.. | -2.01% | -7.45% | 27.37% |
| DBB | Base Metals | 0.78% | 1.53% | 16.35% |
| CPER | Copper | 0.07% | -0.46% | 4.45% |
| LD | Lead | -2.47% | 7.19% | 3.87% |
| JJN | Nickel | 0.65% | 12.71% | 62.99% |
| JJU | Aluminum | 1.34% | -6.68% | 17.06% |
| JJT | Tin | -0.35% | 3.27% | 10.71% |
| DBA | Agriculture | -0.18% | 2.35% | 14.48% |
| CORN | Corn | -1.61% | 9.91% | 36.49% |
| SOYB | Soybeans | 0.07% | 3.95% | 27.30% |
| WEAT | Wheat | -2.20% | 0.38% | 44.38% |
| CANE | Sugar | 0.92% | 3.23% | 7.72% |
| BAL | Cotton | -0.68% | 6.77% | 26.15% |
| NIB | Cocoa | -0.64% | 0.35% | -1.79% |
| JO | Coffee | 4.17% | 1.01% | 1.18% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|---------|
| UUP | Long Dollar | 0.30% | 2.05% | 4.92% |
| UDN | Short Dollar | -0.26% | -2.20% | -5.14% |
| FXE | Euro | -0.17% | -1.71% | -5.06% |
| FXB | British Pound Sterling | -0.25% | -1.09% | -3.76% |
| FXF | Swiss Franc | -0.45% | -2.12% | -4.61% |
| FXJ | Japanese Yen | -0.49% | -6.97% | -10.41% |
| FXC | Canadian Dollar | -0.64% | -0.04% | 0.36% |
| FXA | Australian Dollar | -1.05% | -0.30% | 1.43% |

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