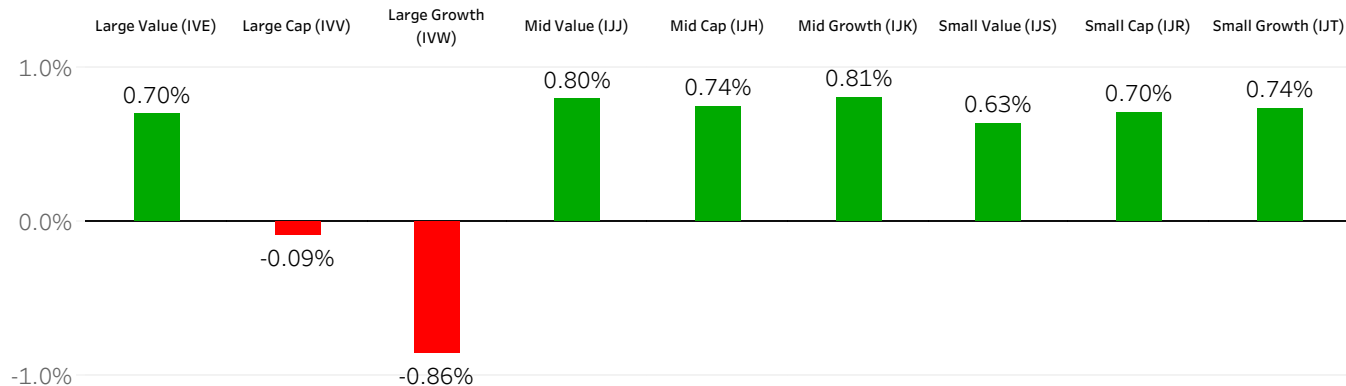


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SIXL	ETC 6 Meridian Low Beta Equity ETF	2.39%
RBUS	Nationwide Risk-Based U.S. Equity ETF	2.10%
SIXS	ETC 6 Meridian Small Cap Equity ETF	1.95%
XMMO	Invesco S&P MidCap Momentum ETF	1.70%
PEY	Invesco High Yield Equity Dividend Achievers ETF	1.67%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.59%
CZA	Invesco Zacks Mid-Cap ETF	1.57%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	1.50%
SMDV	ProShares Russell 2000 Dividend Growers ETF	1.49%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	1.47%

Size & Style Most Overbought

Ticker	Fund	Price
WBIY	WBI Power Factor High Dividend ETF	74.95
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	74.34
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	73.73
RDIV	Invesco S&P Ultra Dividend Revenue ETF	73.06
SDOG	ALPS Sector Dividend Dogs ETF	72.74
DVY	iShares Select Dividend ETF	71.71
LVHD	Legg Mason Low Volatility High Dividend ETF	71.66
TPHE	Timothy Plan High Dividend Stock Enhanced ETF	71.65
JDIV	JPMorgan U.S. Dividend ETF	71.62
FDL	First Trust Morningstar Dividend Leaders Index Fund	71.50

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BUZZ	VanEck Social Sentiment ETF	-4.01%
IPO	Renaissance IPO ETF	-3.82%
MMLG	First Trust Multi-Manager Large Growth ETF	-2.38%
CGGR	Capital Group Growth ETF	-2.14%
QQH	HCM Defender 100 Index ETF	-1.78%
SHE	SPDR SSGA Gender Diversity Index ETF	-1.53%
QQQ	Invesco QQQ Trust	-1.46%
GVIP	Goldman Sachs Hedge Industry VIP ETF	-1.44%
QQQM	Invesco NASDAQ 100 ETF	-1.44%
TMFC	Motley Fool 100 Index ETF	-1.30%

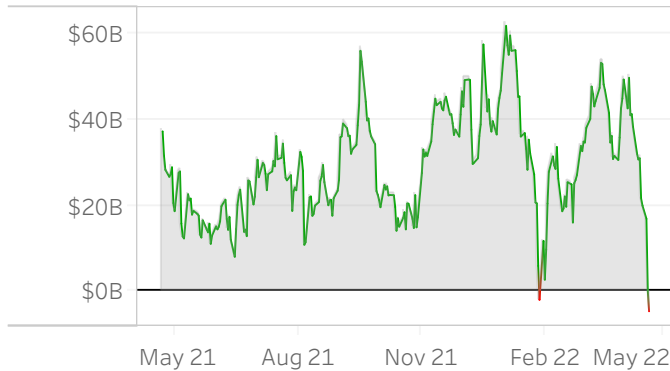
Size & Style Most Oversold

Ticker	Fund	Price
PTNQ	Pacer Trendpilot 100 ETF	36.67
QQH	HCM Defender 100 Index ETF	40.55
BUZZ	VanEck Social Sentiment ETF	40.64
IPO	Renaissance IPO ETF	41.58
ONOF	Global X Adaptive U.S. Risk Management ETF	41.59
MMLG	First Trust Multi-Manager Large Growth ETF	42.86
PTMC	Pacer Trendpilot US Mid Cap ETF	43.12
FFTY	Innovator IBD 50 ETF	43.31
LCG	Sterling Capital Focus Equity ETF	44.11
TMFC	Motley Fool 100 Index ETF	44.46

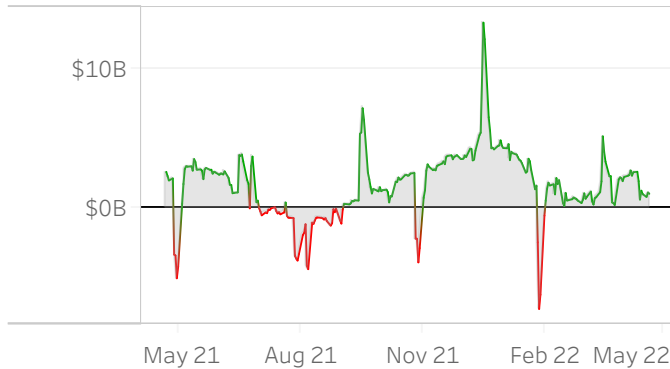
■ Closing Price 
 ■ 50 Day Moving Average 
 ■ 200 Day Moving Average

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

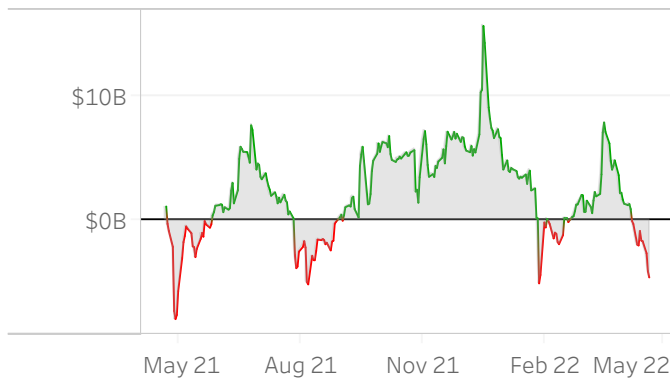
Large-Cap 30-Day Rolling Flows



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	25	\$1,317B	(\$14.79B)	\$8.51B	\$55.91B	\$111.81B
Large Cap, Beta Growth, Beta: Growth	10	\$246B	(\$1.56B)	\$2.86B	\$4.89B	\$13.49B
Large Cap, Beta Growth, Beta: Value	11	\$231B	(\$0.26B)	\$10.27B	\$17.45B	\$30.60B
Mid Cap, Beta, Beta	10	\$190B	\$0.04B	\$1.90B	\$7.60B	\$10.34B
Mid Cap, Beta, Beta: Growth	6	\$36B	(\$0.04B)	(\$0.41B)	\$0.30B	(\$0.70B)
Mid Cap, Beta, Beta: Value	6	\$43B	(\$0.03B)	(\$0.10B)	\$0.42B	\$1.92B
Small Cap, Beta, Beta	12	\$210B	\$0.00B	\$0.97B	\$5.80B	\$12.05B
Small Cap, Beta, Beta: Growth	7	\$34B	(\$0.02B)	\$0.19B	\$0.70B	\$0.43B
Small Cap, Beta, Beta: Value	7	\$55B	(\$0.07B)	(\$2.98B)	(\$1.78B)	(\$1.14B)

U.S. Size & Style Flow Leaders

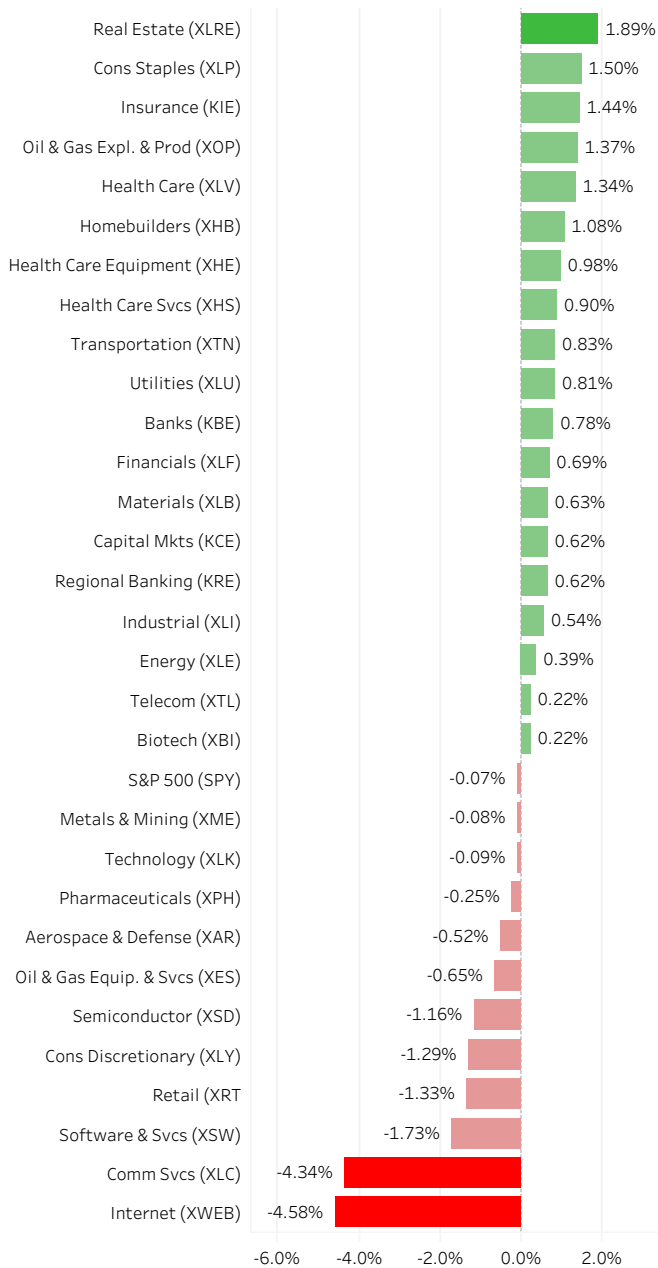
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
HDV	iShares Core High Dividend ETF	\$0.34B	\$1.83B	\$1.87B	\$2.52B	\$10.11B
SCHD	Schwab US Dividend Equity ETF	\$0.22B	\$3.46B	\$5.35B	\$11.37B	\$35.43B
VTI	Vanguard Total Stock Market ETF	\$0.19B	\$6.68B	\$20.13B	\$40.60B	\$286.93B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.18B	\$0.43B	\$1.79B	\$1.10B	\$10.29B
COWZ	Pacer US Cash Cows 100 ETF	\$0.15B	\$2.58B	\$3.28B	\$3.75B	\$4.47B
VYM	Vanguard High Dividend Yield Index ETF	\$0.13B	\$2.28B	\$4.14B	\$5.61B	\$45.89B
DFAT	Dimensional U.S. Targeted Value ETF	\$0.11B	\$0.34B	\$0.60B	\$0.92B	\$7.06B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.10B	(\$0.11B)	\$0.73B	(\$2.17B)	\$29.09B
IWY	iShares Russell Top 200 Growth ETF	\$0.10B	\$0.37B	\$0.68B	\$0.89B	\$4.79B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.10B	(\$0.62B)	(\$0.60B)	(\$1.33B)	\$20.01B

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	\$17.87B	\$40.28B	\$275.59B
IVV	iShares Core S&P 500 ETF	(\$4.94B)	\$7.19B	\$21.25B	\$23.61B	\$318.68B
IVW	iShares S&P 500 Growth ETF	(\$0.93B)	(\$0.60B)	(\$0.57B)	(\$0.42B)	\$34.31B
IWF	iShares Russell 1000 Growth ETF	(\$0.66B)	(\$0.73B)	(\$2.23B)	(\$1.76B)	\$67.22B
IWD	iShares Russell 1000 Value ETF	(\$0.37B)	(\$1.21B)	\$0.16B	\$1.29B	\$57.56B
IUSG	iShares Core S&P U.S. Growth ETF	(\$0.16B)	\$0.18B	\$0.35B	\$0.59B	\$12.26B
VSDA	VictoryShares Dividend Accelerator ETF	(\$0.12B)	(\$0.04B)	(\$0.03B)	(\$0.06B)	\$0.31B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.12B)	\$0.31B	\$2.10B	\$2.08B	\$65.28B
IJR	iShares Core S&P Small Cap ETF	(\$0.10B)	\$0.31B	\$4.11B	\$4.76B	\$71.21B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.07B)	(\$0.95B)	(\$2.83B)	(\$2.53B)	\$11.66B

\* 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	0.00%	17.11%	6.53%	9.54%	74.16
XLB	Materials Select Sector SPDR Fund	-0.07%	14.46%	5.71%	6.07%	66.04
XLU	Utilities Select Sector SPDR Fund	-0.22%	21.45%	7.63%	11.92%	69.49
XLE	Energy Select Sector SPDR Fund	-0.43%	76.17%	8.32%	34.44%	63.08
XLV	Health Care Select Sector SPDR Fund	-1.79%	15.62%	4.76%	5.37%	59.14
XLRE	Real Estate Select Sector SPDR Fund	-2.34%	23.29%	7.74%	6.74%	67.92
XLI	Industrial Select Sector SPDR Fund	-4.83%	6.64%	1.60%	-0.62%	56.06
SPY	SPDR S&P 500 ETF Trust	-6.91%	9.69%	1.13%	-0.99%	51.10
XLF	Financial Select Sector SPDR Fund	-8.55%	7.89%	-0.92%	-1.95%	49.88
XLY	Consumer Discretionary Select Sector SPDR Fund	-14.03%	11.38%	1.73%	-3.34%	51.56
XLK	Technology Select Sector SPDR Fund	-15.23%	14.04%	-1.97%	-5.65%	45.16
XLC	Communication Services Select Sector SPDR Fund	-24.87%	1.62%	-4.47%	-15.63%	38.17

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IHI	iShares U.S. Medical Devices ETF	2.25%
AMZA	InfraCap MLP ETF	2.22%
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	2.13%
PTH	Invesco DWA Healthcare Momentum ETF	2.05%
MORT	VanEck Mortgage REIT Income ETF	1.97%
FCG	First Trust Natural Gas ETF	1.94%
AMPL	Alerian MLP ETF	1.91%
XLRE	Real Estate Select Sector SPDR Fund	1.89%
PSR	Invesco Active U.S. Real Estate Fund	1.88%
PINK	Simplify Health Care ETF	1.88%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FXG	First Trust Consumer Staples AlphaDEX Fund	79.81
PBJ	Invesco Dynamic Food & Beverage ETF	77.22
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	76.99
IYK	iShares U.S. Consumer Staples ETF	75.34
EMLP	First Trust North American Energy Infrastructure Fund	74.59
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	74.34
XLP	Consumer Staples Select Sector SPDR Fund	74.16
RYU	Invesco S&P 500 Equal Weight Utilities ETF	73.74
TPYP	Tortoise North American Pipeline Fund	73.69
VDC	Vanguard Consumer Staples ETF	73.02

### Sector & Industry 1 Day Performance Laggards

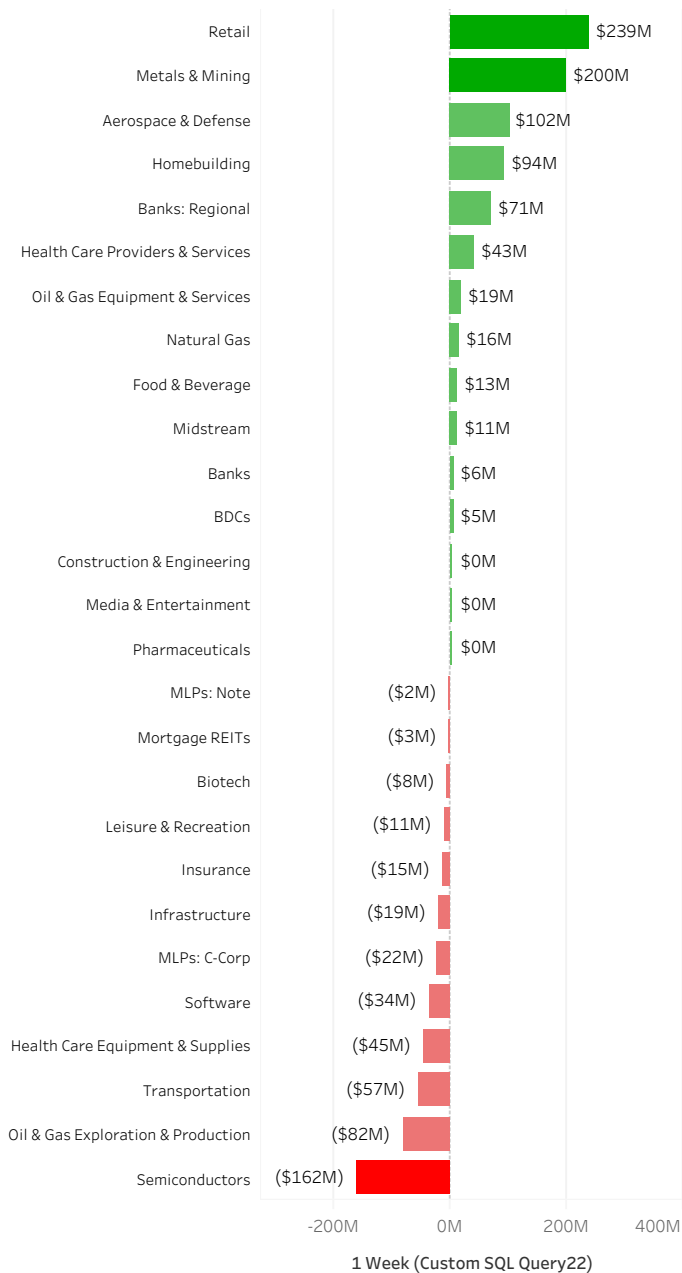
Ticker	Fund	1 Day Performance
PNQI	Invesco NASDAQ Internet ETF	-4.94%
FDN	First Trust Dow Jones Internet Index Fund	-4.65%
XLC	Communication Services Select Sector SPDR Fund	-4.34%
VOX	Vanguard Communication Services ETF	-4.08%
FCOM	Fidelity MSCI Communication Services Index ETF	-3.98%
XNTK	SPDR NYSE Technology ETF	-2.28%
IYC	iShares U.S. Consumer Discretionary ETF	-1.83%
XSW	SPDR S&P Software & Services ETF	-1.73%
IGM	iShares Expanded Tech Sector ETF	-1.72%
IEZ	iShares U.S. Oil Equipment & Services ETF	-1.69%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PNQI	Invesco NASDAQ Internet ETF	38.16
XLC	Communication Services Select Sector SPDR Fund	38.17
VOX	Vanguard Communication Services ETF	38.43
FCOM	Fidelity MSCI Communication Services Index ETF	38.47
FDN	First Trust Dow Jones Internet Index Fund	39.59
XNTK	SPDR NYSE Technology ETF	40.93
MORT	VanEck Mortgage REIT Income ETF	41.13
XSD	SPDR S&P Semiconductor ETF	41.62
XBI	SPDR S&P BIOTECH ETF	41.87
PSI	Invesco Dynamic Semiconductors ETF	42.04

\* 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	\$26M	(\$432M)	(\$1,555M)	\$335M
Consumer Discretionary	13	\$31B	\$91M	(\$2,416M)	(\$1,927M)	(\$2,508M)
Consumer Staples	12	\$28B	\$170M	\$2,533M	\$5,052M	\$5,989M
Energy	34	\$81B	\$10M	\$724M	\$4,091M	\$4,839M
Financials	28	\$77B	\$21M	(\$5,480M)	(\$1,705M)	\$3,234M
Health Care	26	\$94B	\$497M	\$3,794M	\$9,726M	\$12,651M
Industrial	14	\$34B	\$239M	(\$548M)	(\$931M)	(\$4,825M)
Materials	10	\$21B	\$358M	\$1,916M	\$2,806M	\$2,917M
Multi-Sector	18	\$18B	\$10M	(\$4,376M)	(\$3,588M)	(\$2,676M)
Real Estate	23	\$81B	\$345M	(\$1,932M)	\$2,591M	\$8,874M
Technology	24	\$136B	(\$75M)	\$568M	\$1,629M	\$6,827M
Utilities	10	\$25B	\$350M	\$2,208M	\$2,802M	\$3,026M

## U.S. Sector & Industry Flow Leaders

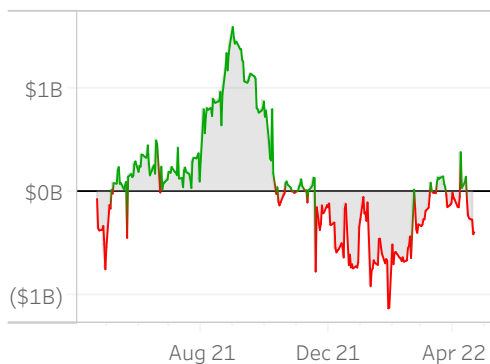
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$468M	\$2,835M	\$6,881M	\$9,527M	\$39,141M
XLU	Utilities Select Sector SPDR Fund	\$274M	\$1,214M	\$1,637M	\$1,532M	\$15,694M
XRT	SPDR S&P Retail ETF	\$239M	\$232M	(\$162M)	\$158M	\$626M
XLK	Technology Select Sector SPDR Fund	\$214M	\$1,042M	\$1,460M	\$2,564M	\$45,398M
XLF	Financial Select Sector SPDR Fund	\$209M	(\$2,813M)	(\$430M)	\$740M	\$42,044M
XLI	Industrial Select Sector SPDR Fund	\$207M	(\$1,889M)	(\$2,315M)	(\$5,179M)	\$15,393M
XME	SPDR S&P Metals & Mining ETF	\$200M	\$704M	\$855M	\$948M	\$3,892M
XLRE	Real Estate Select Sector SPDR Fund	\$130M	(\$308M)	\$1,382M	\$2,653M	\$6,058M
XLC	Communication Services Select Sector SPDR Fu..	\$118M	(\$366M)	(\$1,285M)	(\$257M)	\$11,442M
VNQ	Vanguard Real Estate ETF	\$112M	\$406M	\$2,634M	\$5,551M	\$48,711M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VFH	Vanguard Financials ETF	(\$191M)	(\$223M)	\$425M	\$958M	\$11,221M
SOXX	iShares Semiconductor ETF	(\$167M)	\$160M	\$1,254M	\$1,488M	\$8,156M
FXD	First Trust Consumer Discretionary AlphaDEX F..	(\$125M)	(\$304M)	(\$394M)	(\$279M)	\$1,382M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$109M)	(\$16M)	(\$190M)	(\$566M)	\$5,834M
IYZ	iShares U.S. Telecommunications ETF	(\$104M)	(\$116M)	(\$6M)	(\$22M)	\$393M
USRT	iShares Core U.S. REIT ETF	(\$61M)	(\$140M)	(\$130M)	\$141M	\$2,488M
IYT	iShares US Transportation ETF	(\$50M)	(\$485M)	(\$443M)	(\$860M)	\$1,205M
VGT	Vanguard Information Technology ETF	(\$48M)	\$122M	\$284M	\$2,935M	\$48,411M
IHI	iShares U.S. Medical Devices ETF	(\$45M)	(\$300M)	(\$123M)	(\$960M)	\$7,986M
FDN	First Trust Dow Jones Internet Index Fund	(\$44M)	(\$1,687M)	(\$2,172M)	(\$2,181M)	\$5,900M

\* 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



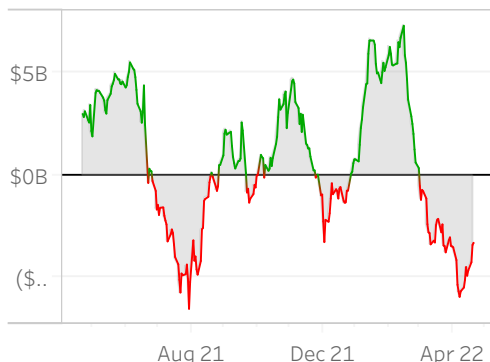
Consumer Staples



Energy



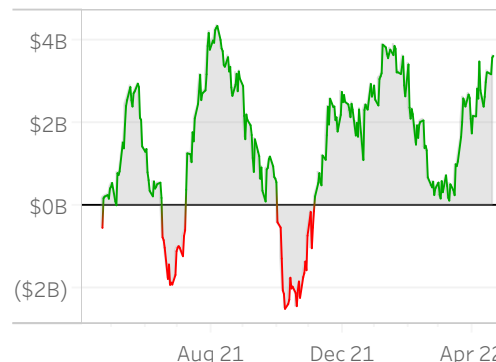
Financials



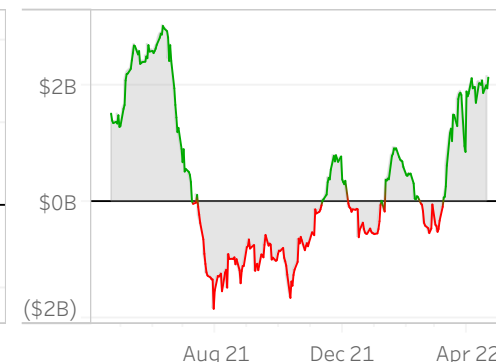
Industrial



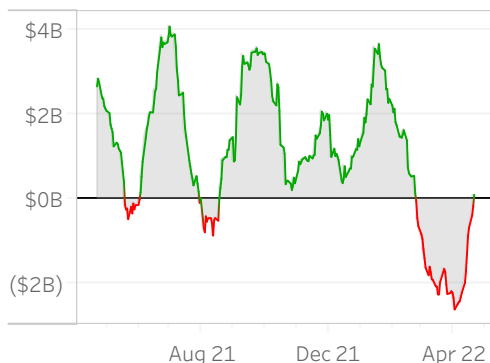
Health Care



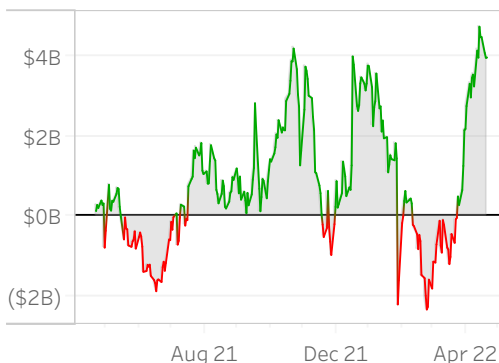
Materials



Real Estate



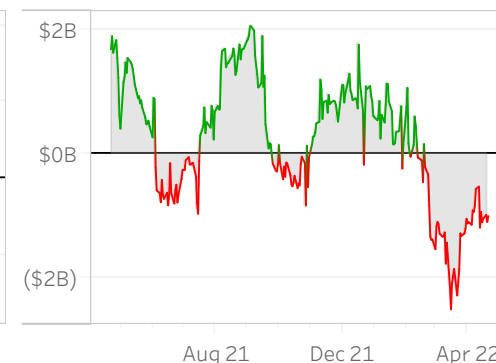
Technology



Utilities

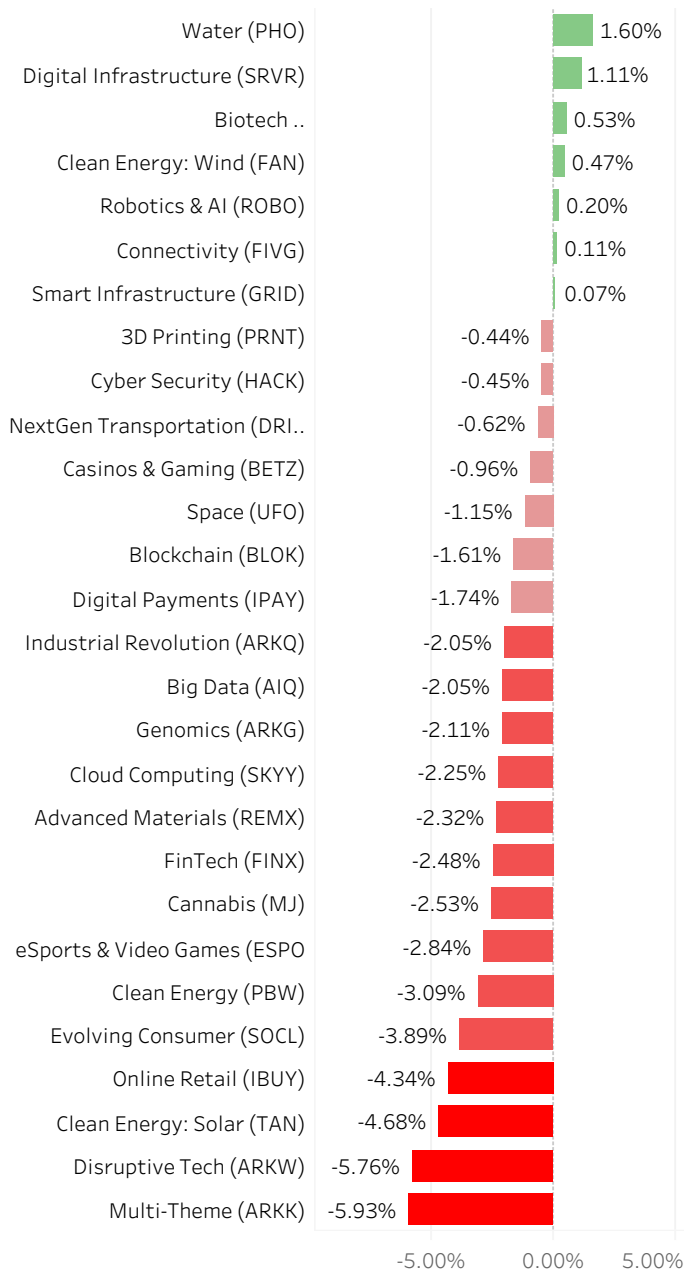


Multi-Sector

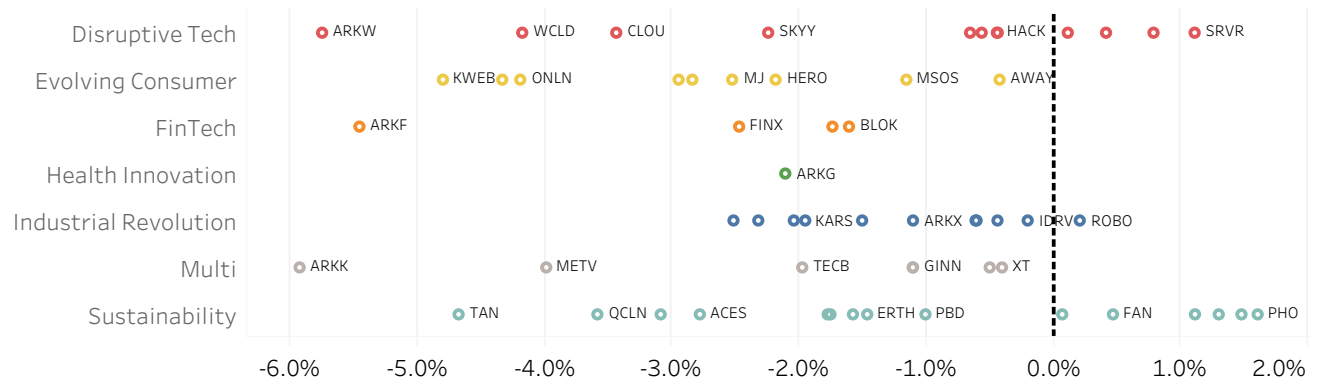


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

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	1.61%
PHO	Invesco Water Resources ETF	1.60%
PIO	Invesco Global Water ETF	1.48%
FIW	First Trust Water ETF	1.30%
CGW	Invesco S&P Global Water Index ETF	1.11%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	1.11%
KLDW	Knowledge Leaders Developed World ETF	0.79%
SNSR	Global X Internet of Things ETF	0.78%
EVX	VanEck Environmental Services ETF	0.72%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	0.67%

Thematic Most Overbought

Ticker	Fund	Price
EVX	VanEck Environmental Services ETF	62.89
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	62.13
AGNG	Global X Aging Population ETF	58.37
VPN	Global X Data Center REITs & Digital Infrastructure ETF	56.76
BUG	Global X Cybersecurity ETF	54.09
FIW	First Trust Water ETF	52.26
IHAK	iShares Cybersecurity & Tech ETF	52.06
PHO	Invesco Water Resources ETF	51.97
CIBR	First Trust NASDAQ Cybersecurity ETF	51.81
FAN	First Trust Global Wind Energy ETF	51.45

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ARKK	ARK Innovation ETF	-5.93%
ARKW	ARK Next Generation Internet ETF	-5.76%
ARKF	ARK Fintech Innovation ETF	-5.46%
KWEB	KraneShares CSI China Internet ETF	-4.81%
TAN	Invesco Solar ETF	-4.68%
IBUY	Amplify Online Retail ETF	-4.34%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-4.27%
ONLN	ProShares Online Retail ETF	-4.20%
WCLD	WisdomTree Cloud Computing Fund	-4.18%
METV	Roundhill Ball Metaverse ETF	-3.99%

Thematic Most Oversold

Ticker	Fund	Price
KSTR	KraneShares SSE STAR Market 50 Index ETF	29.22
YOLO	AdvisorShares Pure Cannabis ETF	32.08
CNBS	Amplify Seymour Cannabis ETF	33.15
MSOS	AdvisorShares Pure US Cannabis ETF	33.35
HERO	Global X Video Games & Esports ETF	34.03
GAMR	Wedbush ETFMG Video Game Tech ETF	36.06
BKCH	Global X Blockchain ETF	36.21
ESPO	VanEck Video Gaming and eSports ETF	36.33
THCX	Cannabis ETF	36.59
POTX	Global X Cannabis ETF	36.71

\* 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	\$221M
ARKG	ARK Genomic Revolution ETF	\$57M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$39M
ICLN	iShares Global Clean Energy ETF	\$17M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$9M
AWAY	ETFMG Travel Tech ETF	\$5M
TENG	Direxion Daily 5G Communications Bull 2X Shares	\$4M
LIT	Global X Lithium & Battery Tech ETF	\$3M
KEMQ	KraneShares Emerging Markets Consumer Technology Index ETF	\$2M
SAMT	Strategas Macro Thematic Opportunities ETF	\$2M

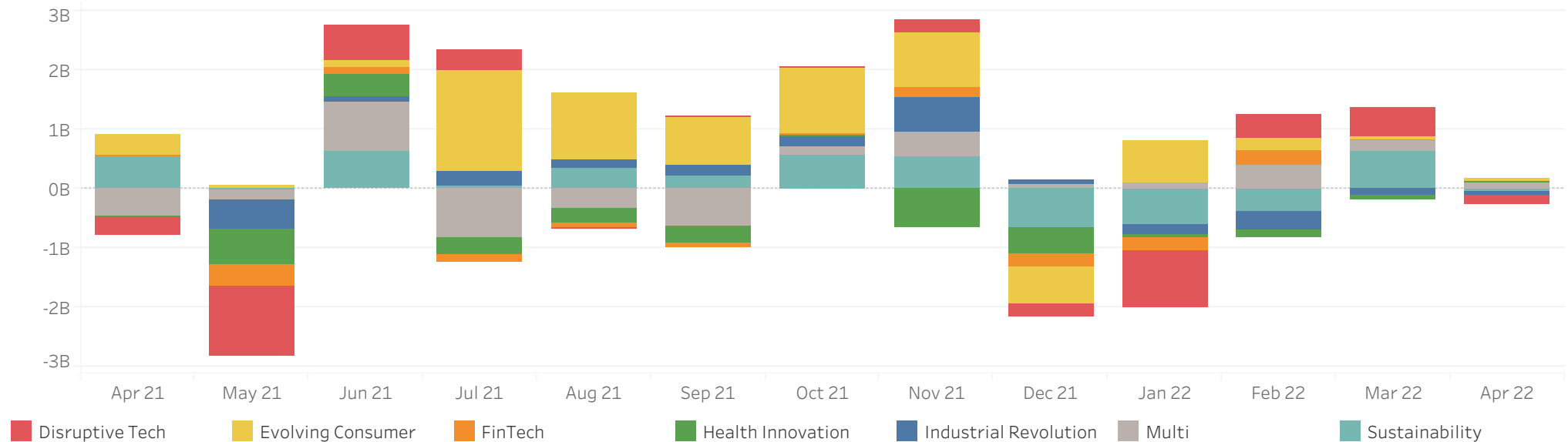
## Thematic 1 Week Flow Laggards

Ticker	Fund	
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$34M)
TAN	Invesco Solar ETF	(\$23M)
ARKF	ARK Fintech Innovation ETF	(\$19M)
SKYY	First Trust Cloud Computing ETF	(\$17M)
CLOU	Global X Cloud Computing ETF	(\$16M)
KWEB	KraneShares CSI China Internet ETF	(\$13M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$11M)
MILN	Global X Millennial Consumer ETF	(\$11M)
FIVG	Defiance Next Gen Connectivity ETF	(\$9M)
NXTG	First Trust Indxx NextG ETF	(\$7M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$24B	(\$30M)	\$522M	(\$7M)	(\$674M)
Evolving Consumer	45	\$12B	(\$38M)	\$267M	\$1,415M	\$6,596M
FinTech	22	\$5B	(\$3M)	\$203M	\$43M	(\$493M)
Health Innovation	19	\$4B	\$37M	(\$146M)	(\$1,307M)	(\$2,371M)
Industrial Revolution	29	\$14B	(\$28M)	(\$652M)	\$273M	\$344M
Multi	38	\$19B	\$78M	\$905M	\$906M	(\$319M)
Sustainability	39	\$20B	(\$40M)	\$35M	(\$254M)	\$1,687M
Grand Total	228	\$98B	(\$24M)	\$1,134M	\$1,069M	\$4,769M

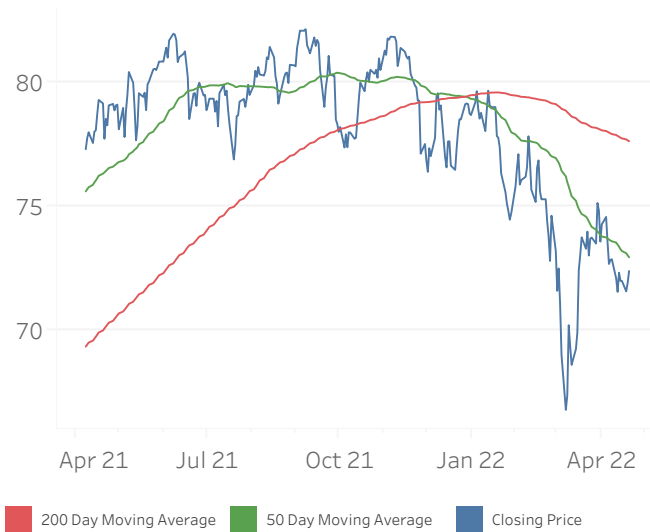
## Thematic Monthly Flows



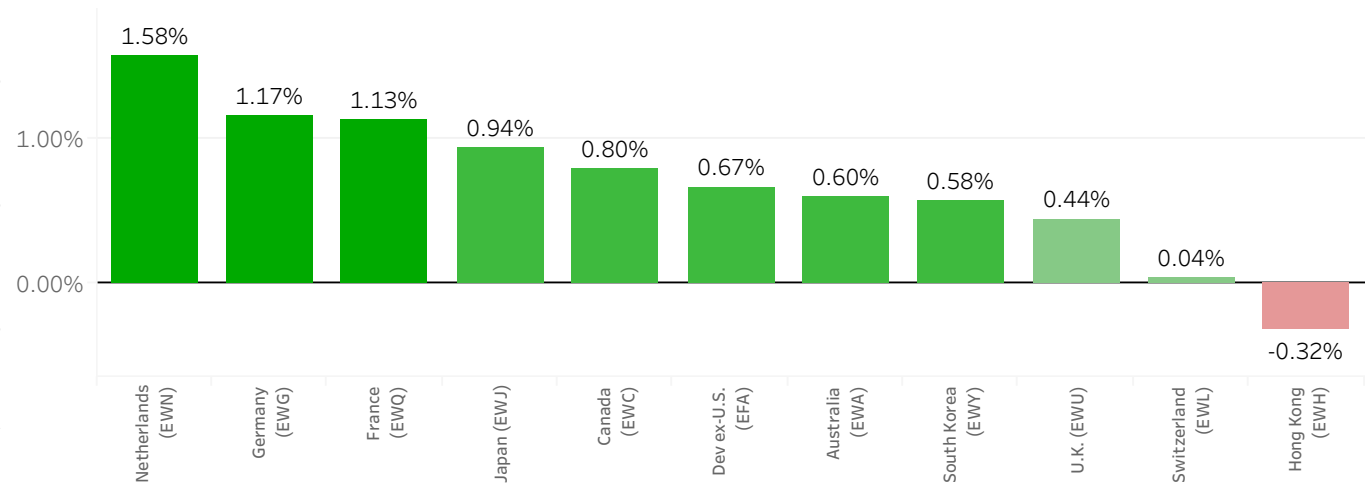
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



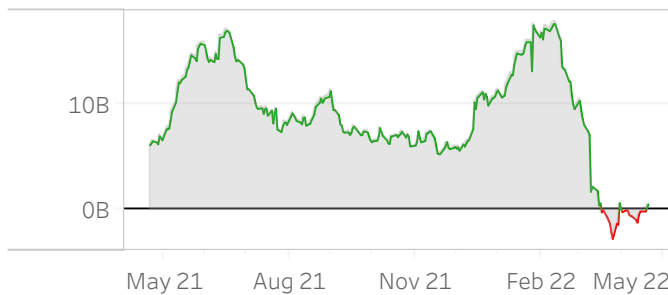
Developed ex-U.S. (EFA)



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



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



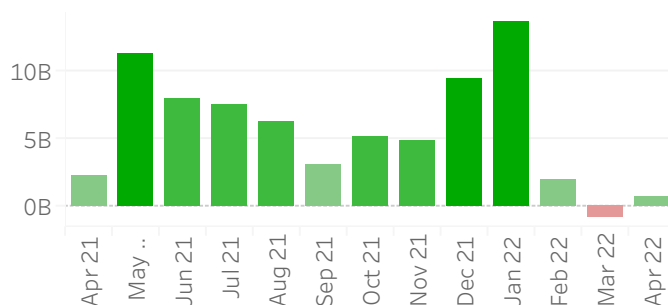
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWJV	iShares MSCI Japan Value ETF	2.16%
GREK	Global X MSCI Greece ETF	1.98%
ENZL	iShares MSCI New Zealand ETF	1.71%
EIRL	iShares MSCI Ireland ETF	1.61%
EWN	iShares MSCI Netherlands ETF	1.58%
FEZ	SPDR EURO STOXX 50 ETF	1.45%
EZU	iShares MSCI Eurozone ETF	1.38%
DMXF	iShares ESG Advanced MSCI EAFE ETF	1.37%
EDEN	iShares MSCI Denmark ETF	1.34%
NUDM	Nuveen ESG International Developed Markets Equity ETF	1.28%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWA	iShares MSCI Australia ETF	64.62
GREK	Global X MSCI Greece ETF	62.81
LVHI	Legg Mason International Low Volatility High Dividend ETF	62.18
EWC	iShares MSCI Canada ETF	59.30
BBCA	JPMorgan BetaBuilders Canada ETF	59.07
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	58.39
EWP	iShares MSCI Spain ETF	58.13
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	57.85
EWU	iShares MSCI United Kingdom ETF	57.39
DXJ	WisdomTree Japan Hedged Equity Fund	57.15

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ISRA	VanEck Israel ETF	-0.95%
AIA	iShares Asia 50 ETF	-0.72%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.62%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	-0.53%
EIS	iShares MSCI Israel ETF	-0.50%
EWH	iShares MSCI Hong Kong ETF	-0.32%
EWS	iShares MSCI Singapore ETF	-0.10%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.08%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.08%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.04%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
DFJ	WisdomTree Japan SmallCap Dividend Fund	33.51
SCJ	iShares MSCI Japan Small-Cap ETF	34.27
PTIN	Pacer Trendpilot International ETF	36.31
JPXN	iShares JPX-Nikkei 400 ETF	37.09
FLJP	Franklin FTSE Japan ETF	37.34
BBJP	JPMorgan BetaBuilders Japan ETF	38.10
AIA	iShares Asia 50 ETF	38.16
EWJ	iShares MSCI Japan ETF	38.19
AAXJ	iShares MSCI All Country Asia ex Japan ETF	38.93
EWH	iShares MSCI Hong Kong ETF	39.79

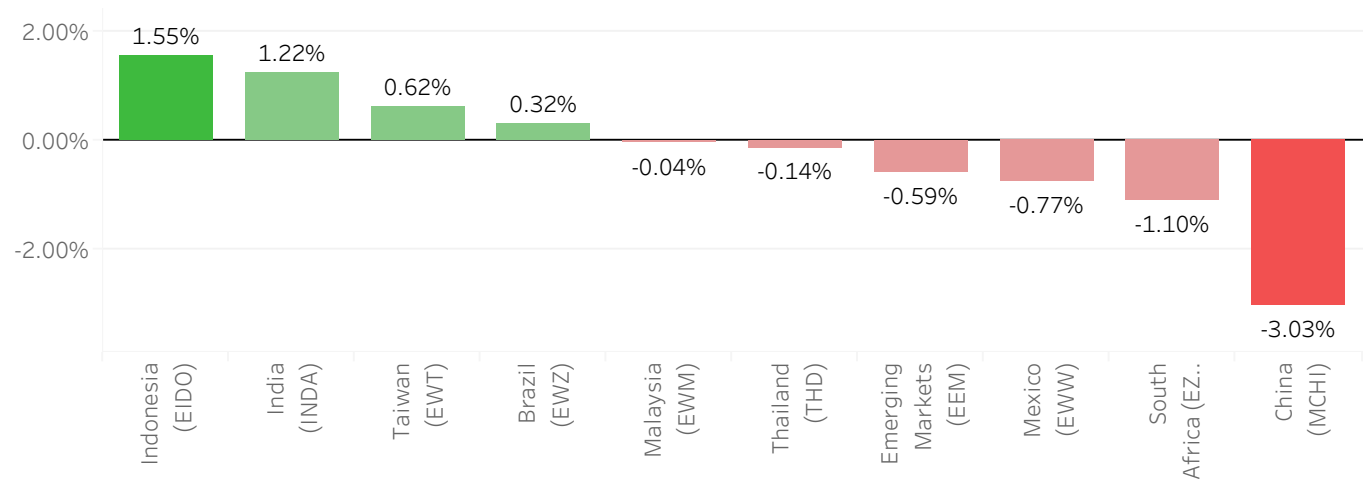
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



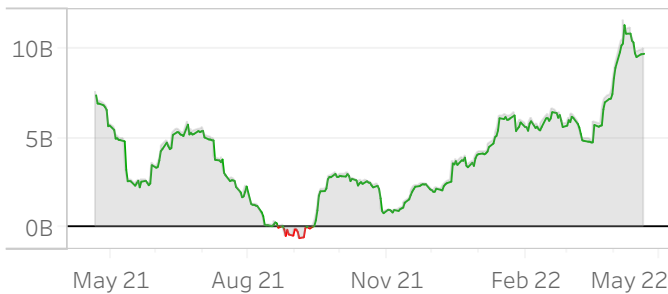
Emerging (EEM)



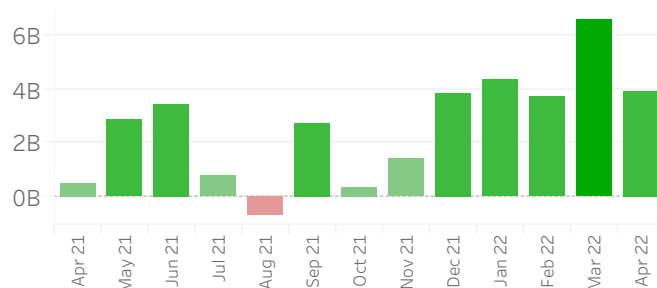
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
NFTY	First Trust India NIFTY 50 Equal Weight ETF	2.34%
EPHE	iShares MSCI Philippines ETF	1.77%
ECH	iShares MSCI Chile ETF	1.72%
IDX	VanEck Indonesia Index ETF	1.62%
EIDO	iShares MSCI Indonesia ETF	1.55%
FLIN	Franklin FTSE India ETF	1.43%
INDY	iShares India 50 ETF	1.43%
PIN	Invesco India ETF	1.36%
INDA	iShares MSCI India ETF	1.22%
EPI	WisdomTree India Earnings Fund	0.96%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	81.04
KSA	iShares MSCI Saudi Arabia ETF	68.99
IDX	VanEck Indonesia Index ETF	63.42
EWZS	iShares MSCI Brazil Small-Cap ETF	56.75
FLBR	Franklin FTSE Brazil ETF	56.35
EWZ	iShares MSCI Brazil ETF	55.85
EIDO	iShares MSCI Indonesia ETF	54.78
ECH	iShares MSCI Chile ETF	52.74
EPI	WisdomTree India Earnings Fund	52.70
ILF	iShares Latin America 40 ETF	51.89

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	-4.87%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-3.32%
MCHI	iShares MSCI China ETF	-3.03%
GXC	SPDR S&P China ETF	-2.94%
FXI	iShares China Large-Cap ETF	-2.93%
FLCH	Franklin FTSE China ETF	-2.78%
ECNS	iShares MSCI China Small-Cap ETF	-2.77%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-2.34%
FNI	First Trust Chindia ETF	-2.21%
CNYA	iShares MSCI China A ETF	-2.13%

Emerging Most Oversold

Ticker	Fund	Price
VNM	VanEck Vietnam ETF	26.22
CNYA	iShares MSCI China A ETF	32.42
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	34.15
EZA	iShares MSCI South Africa ETF	34.82
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	34.92
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	35.24
EPU	iShares MSCI Peru ETF	35.57
FLCH	Franklin FTSE China ETF	37.07
MCHI	iShares MSCI China ETF	37.13
GXC	SPDR S&P China ETF	37.16

\*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	0.57%	-4.01%	-8.78%
SHY	1-3 Year Treasury Bonds	0.06%	-0.92%	-2.82%
IEF	7-10 Year Treasury Bonds	0.78%	-5.22%	-9.94%
TLT	20+ Year Treasury Bonds	2.01%	-8.70%	-17.56%
TIP	TIPS Bonds	0.74%	-3.56%	-4.91%
FLOT	Floating Rate Bonds	0.05%	0.16%	-0.22%
LQD	Investment Grade Corporate	1.04%	-5.58%	-12.87%
HYG	High Yield Corporate	0.31%	-2.32%	-6.67%
BKLN	Senior Loan	-0.05%	0.87%	-0.48%
PFF	Preferred & Income Securities	0.66%	-2.87%	-10.33%
MUB	Municipal Bonds	0.24%	-3.15%	-7.38%
MBB	MBS	0.54%	-4.07%	-7.93%
EMB	Dollar Denominated EM Bonds	0.69%	-3.33%	-12.91%
LEMB	Local Currency EM Bond	0.47%	-2.75%	-7.24%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.08%	7.95%	36.76%
DBE	Energy	0.12%	10.04%	46.37%
USO	WTI Crude Oil	0.49%	3.48%	42.09%
BNO	Brent Crude Oil	-0.07%	2.79%	46.34%
UNG	Natural Gas	-3.96%	39.37%	92.15%
UGA	Gasoline	1.20%	2.71%	42.41%
DBP	Precious Metals	0.44%	1.65%	6.71%
GLD	Gold	0.49%	1.90%	6.87%
SLV	Silver	0.17%	1.13%	8.23%
PPLT	abrdn Physical Platin..	0.04%	-3.18%	2.56%
PALL	abrdn Physical Palla..	3.38%	-1.25%	29.99%
DBB	Base Metals	-0.77%	3.17%	15.45%
CPER	Copper	-0.77%	-1.11%	4.37%
LD	Lead	-1.38%	8.58%	5.04%
JJN	Nickel	-1.94%	18.06%	61.93%
JJU	Aluminum	-0.18%	-5.48%	15.51%
JJT	Tin	-0.56%	2.05%	11.11%
DBA	Agriculture	0.13%	4.72%	14.68%
CORN	Corn	0.71%	14.88%	38.72%
SOYB	Soybeans	0.87%	6.09%	27.21%
WEAT	Wheat	-0.18%	9.21%	47.63%
CANE	Sugar	-0.20%	4.14%	6.74%
BAL	Cotton	0.16%	10.21%	27.01%
NIB	Cocoa	1.18%	0.65%	-1.15%
JO	Coffee	-1.10%	-0.39%	-2.87%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.70%	2.13%	4.60%
UDN	Short Dollar	0.67%	-2.28%	-4.89%
FXE	Euro	0.61%	-1.92%	-4.90%
FXB	British Pound Sterling	0.44%	-1.00%	-3.51%
FXF	Swiss Franc	0.35%	-1.84%	-4.17%
FXJ	Japanese Yen	0.94%	-6.80%	-9.96%
FXC	Canadian Dollar	0.95%	0.69%	1.01%
FXA	Australian Dollar	0.99%	0.55%	2.50%

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