

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

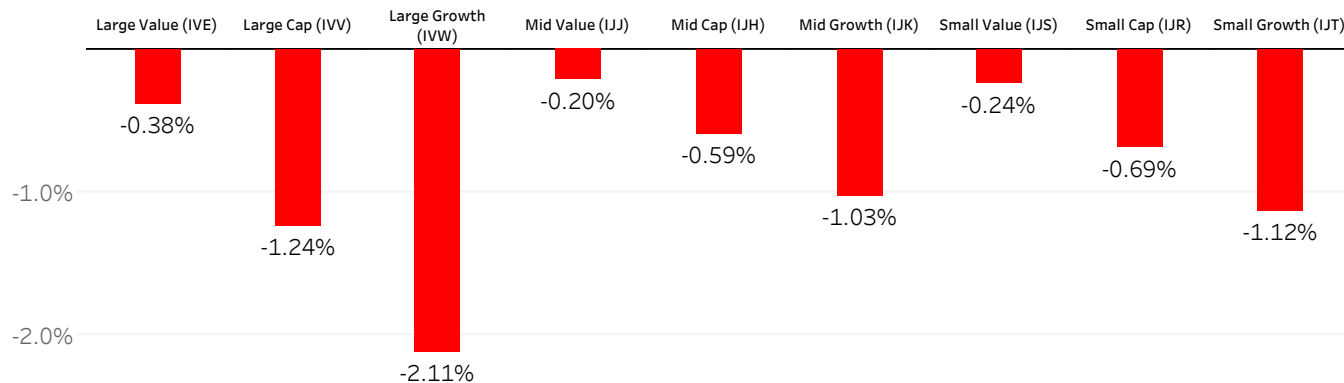


Small Cap Blend (S&P 600) IJR



■ 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
FUNL	CornerCap Fundametrics Large-Cap ETF	0.46%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.39%
SPDV	AAM S&P 500 High Dividend Value ETF	0.28%
DIV	Global X SuperDividend US ETF	0.28%
DHS	WisdomTree U.S. High Dividend Fund	0.28%
WBIY	WBI Power Factor High Dividend ETF	0.21%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.20%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	0.20%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.18%
SDOG	ALPS Sector Dividend Dogs ETF	0.17%

Size & Style Most Overbought

Ticker	Fund	Price
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	71.35
FDL	First Trust Morningstar Dividend Leaders Index Fund	67.88
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	67.12
DIV	Global X SuperDividend US ETF	66.51
DHS	WisdomTree U.S. High Dividend Fund	65.36
LVHD	Legg Mason Low Volatility High Dividend ETF	65.28
RDIV	Invesco S&P Ultra Dividend Revenue ETF	64.85
SPLV	Invesco S&P 500 Low Volatility ETF	64.43
WBIY	WBI Power Factor High Dividend ETF	63.00
ABEQ	Absolute Core Strategy ETF	62.45

Size & Style 1-Day Performance Laggards

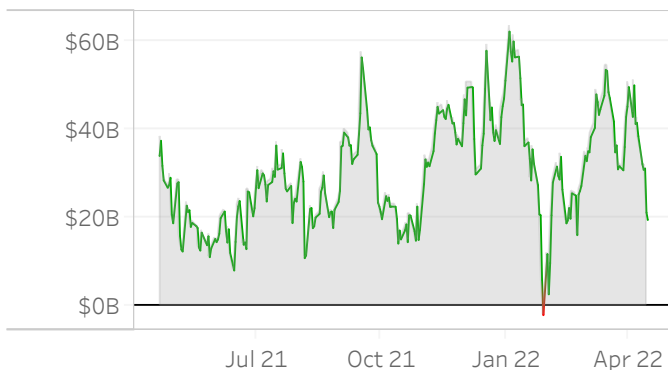
Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-3.17%
QVML	Invesco S&P 500 QVM Multi-factor ETF	-2.97%
BUZZ	VanEck Social Sentiment ETF	-2.68%
QQH	HCM Defender 100 Index ETF	-2.67%
SCHG	Schwab U.S. Large-Cap Growth ETF	-2.30%
QQQM	Invesco NASDAQ 100 ETF	-2.29%
QQQ	Invesco QQQ Trust	-2.29%
MGK	Vanguard Mega Cap Growth ETF	-2.18%
LCG	Sterling Capital Focus Equity ETF	-2.15%
VUG	Vanguard Growth ETF	-2.14%

Size & Style Most Oversold

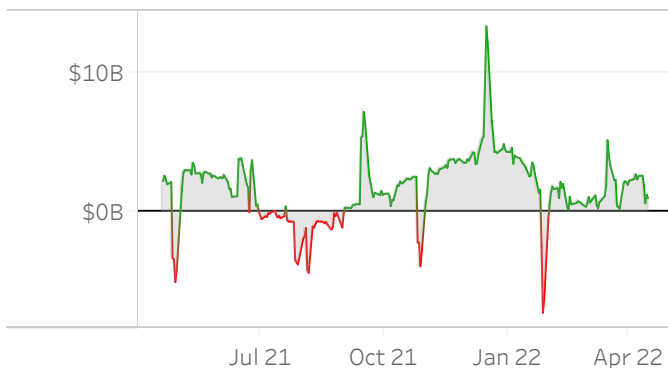
Ticker	Fund	Price
QQH	HCM Defender 100 Index ETF	35.69
PTNQ	Pacer Trendpilot 100 ETF	36.71
LGH	HCM Defender 500 Index ETF	38.26
QVML	Invesco S&P 500 QVM Multi-factor ETF	39.36
DUSA	Davis Select U.S. Equity ETF	39.38
LCG	Sterling Capital Focus Equity ETF	40.24
SVAL	iShares US Small Cap Value Factor ETF	40.35
AQGX	AI Quality Growth ETF	40.35
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	40.39
PTLC	Pacer Trendpilot US Large Cap ETF	40.78

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

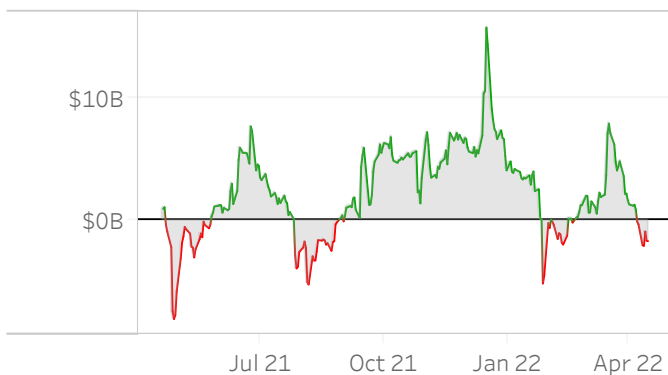
Large-Cap 30-Day Rolling Flows



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
Mid Cap, Beta, Beta: Growth	6	\$35B	(\$0.02B)	(\$0.47B)	\$0.30B	(\$0.71B)
Large Cap, Beta Growth, Beta: Value	11	\$230B	(\$0.06B)	\$10.82B	\$18.44B	\$30.82B
Small Cap, Beta, Beta: Growth	7	\$34B	(\$0.11B)	\$0.14B	\$0.70B	\$0.35B
Small Cap, Beta, Beta	12	\$209B	(\$0.13B)	\$0.12B	\$6.36B	\$12.36B
Small Cap, Beta, Beta: Value	7	\$55B	(\$0.21B)	(\$2.62B)	(\$2.42B)	(\$1.09B)
Mid Cap, Beta, Beta	10	\$188B	(\$0.26B)	\$2.03B	\$7.76B	\$10.50B
Large Cap, Beta Growth, Beta: Growth	10	\$248B	(\$0.50B)	\$3.39B	\$6.62B	\$15.04B
Mid Cap, Beta, Beta: Value	6	\$43B	(\$0.64B)	\$0.02B	\$0.49B	\$2.09B
Large Cap, Beta Growth, Beta	25	\$1,328B	(\$14.28B)	\$16.60B	\$75.08B	\$125.18B

U.S. Size & Style Flow Leaders

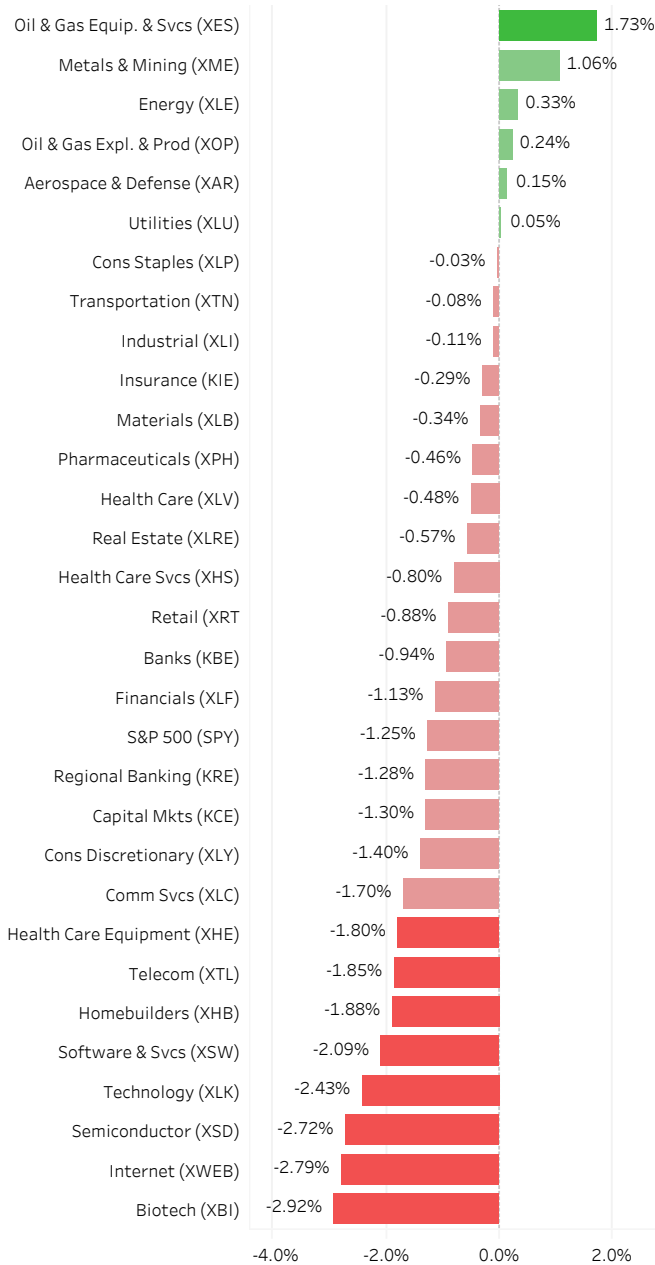
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.55B	(\$0.22B)	\$0.50B	(\$2.37B)	\$29.03B
HDV	iShares Core High Dividend ETF	\$0.50B	\$1.63B	\$1.46B	\$2.17B	\$9.72B
VO	Vanguard Mid-Cap ETF	\$0.37B	\$0.89B	\$3.33B	\$6.17B	\$54.59B
VOO	Vanguard S&P 500 ETF	\$0.32B	\$24.14B	\$28.23B	\$50.76B	\$284.34B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	\$0.24B	\$0.14B	\$0.36B	\$0.60B	\$2.11B
SCHD	Schwab US Dividend Equity ETF	\$0.20B	\$3.50B	\$5.26B	\$11.27B	\$35.09B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.17B	\$2.58B	\$4.13B	\$6.72B	\$34.45B
COWZ	Pacer US Cash Cows 100 ETF	\$0.16B	\$2.53B	\$3.15B	\$3.60B	\$4.28B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.12B	\$0.32B	\$0.33B	\$1.54B	\$22.89B
VTV	Vanguard Value ETF	\$0.12B	\$8.27B	\$11.86B	\$19.60B	\$103.42B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$5.70B)	\$11.32B	\$26.60B	\$29.44B	\$322.57B
QQQ	Invesco QQQ Trust	(\$2.02B)	(\$0.11B)	\$10.19B	\$15.01B	\$185.95B
MDYV	SPDR S&P 400 Mid Cap Value ETF	(\$0.57B)	\$0.11B	\$0.09B	\$0.11B	\$1.63B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.44B)	\$0.61B	\$2.34B	\$2.35B	\$64.46B
IWM	iShares Russell 2000 ETF	(\$0.36B)	(\$1.78B)	(\$2.53B)	(\$2.20B)	\$58.93B
IVW	iShares S&P 500 Growth ETF	(\$0.32B)	\$0.12B	\$0.39B	\$0.42B	\$35.26B
IWF	iShares Russell 1000 Growth ETF	(\$0.24B)	(\$0.57B)	(\$1.62B)	(\$1.27B)	\$67.87B
XSLV	Invesco S&P SmallCap Low Volatility ETF	(\$0.22B)	(\$0.36B)	(\$0.34B)	(\$0.48B)	\$0.78B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.21B)	(\$0.79B)	(\$1.25B)	(\$1.04B)	\$7.75B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.15B)	(\$0.65B)	(\$0.69B)	(\$1.49B)	\$19.62B

\* 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)
XLE	Energy Select Sector SPDR Fund	0.00%	74.38%	8.56%	34.34%	62.22
XLP	Consumer Staples Select Sector SPDR Fund	-0.03%	14.61%	4.58%	7.45%	70.38
XLU	Utilities Select Sector SPDR Fund	-1.13%	20.34%	7.58%	11.27%	67.93
XLB	Materials Select Sector SPDR Fund	-1.71%	12.58%	4.53%	4.50%	59.66
XLV	Health Care Select Sector SPDR Fund	-2.93%	14.27%	3.89%	4.29%	55.51
XLRE	Real Estate Select Sector SPDR Fund	-5.89%	18.81%	4.29%	3.01%	55.99
XLI	Industrial Select Sector SPDR Fund	-6.70%	4.54%	-0.42%	-2.63%	44.73
SPY	SPDR S&P 500 ETF Trust	-8.36%	2.85%	-0.62%	-2.50%	44.44
XLF	Financial Select Sector SPDR Fund	-10.94%	5.07%	-4.14%	-4.49%	37.26
XLY	Consumer Discretionary Select Sector SPDR Fund	-15.62%	1.72%	-0.38%	-5.14%	47.15
XLK	Technology Select Sector SPDR Fund	-16.99%	11.67%	-4.62%	-7.64%	39.05
XLC	Communication Services Select Sector SPDR Fund	-22.74%	1.87%	-2.28%	-13.59%	42.71

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.73%
PXJ	Invesco Dynamic Oil & Gas Services ETF	1.65%
IEZ	iShares U.S. Oil Equipment & Services ETF	1.48%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	1.12%
XME	SPDR S&P Metals & Mining ETF	1.06%
PSCE	Invesco S&P SmallCap Energy ETF	0.74%
FENY	Fidelity MSCI Energy Index ETF	0.55%
VDE	Vanguard Energy ETF	0.41%
FXG	First Trust Consumer Staples AlphaDEX Fund	0.41%
PPA	Invesco Aerospace & Defense ETF	0.36%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FXG	First Trust Consumer Staples AlphaDEX Fund	75.77
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	74.95
PBJ	Invesco Dynamic Food & Beverage ETF	73.09
IYK	iShares U.S. Consumer Staples ETF	71.10
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	70.74
PSCE	Invesco S&P SmallCap Energy ETF	70.38
XLP	Consumer Staples Select Sector SPDR Fund	70.38
XME	SPDR S&P Metals & Mining ETF	70.34
RYU	Invesco S&P 500 Equal Weight Utilities ETF	69.79
EMLP	First Trust North American Energy Infrastructure Fund	69.37

## Sector & Industry 1 Day Performance Laggards

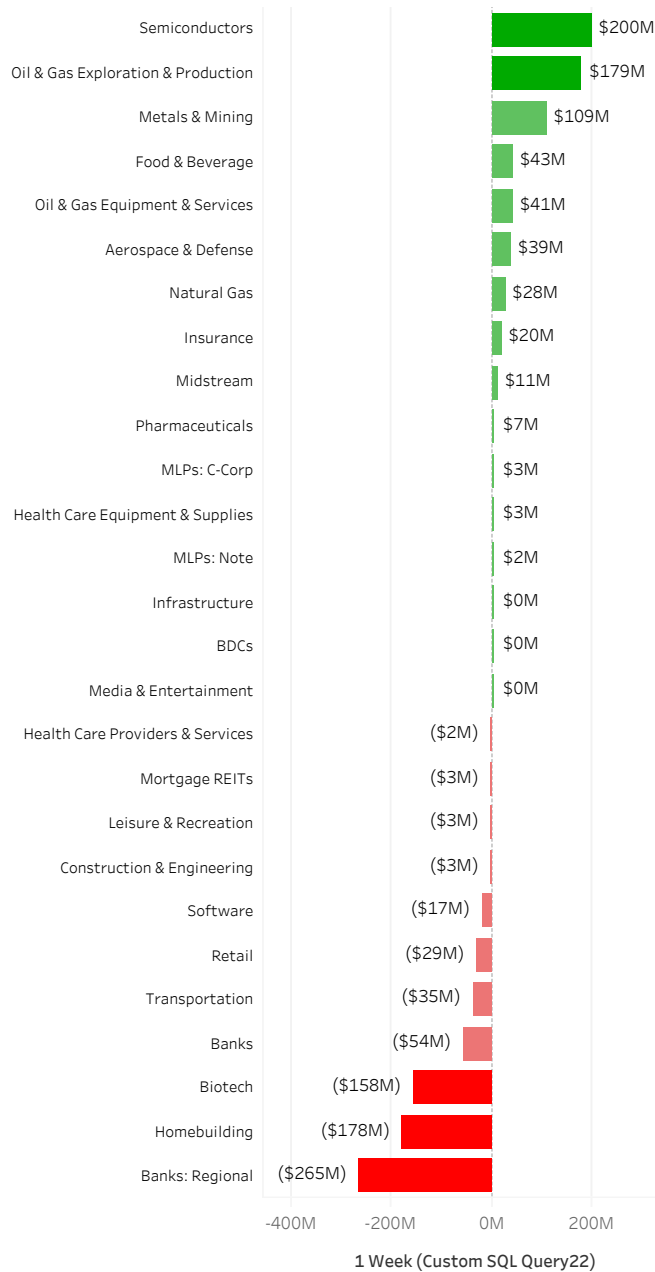
Ticker	Fund	1 Day Performance
SOXQ	Invesco PHLX Semiconductor ETF	-3.01%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-2.97%
XBI	SPDR S&P BIOTECH ETF	-2.92%
SOXX	iShares Semiconductor ETF	-2.77%
FTXL	First Trust Nasdaq Semiconductor ETF	-2.76%
PSI	Invesco Dynamic Semiconductors ETF	-2.76%
XSD	SPDR S&P Semiconductor ETF	-2.72%
IYW	iShares U.S. Technology ETF	-2.71%
XNTK	SPDR NYSE Technology ETF	-2.70%
FDN	First Trust Dow Jones Internet Index Fund	-2.68%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWB	Invesco KBW Bank ETF	31.62
IAT	iShares U.S. Regional Banks ETF	33.20
FTXO	First Trust Nasdaq Bank ETF	33.48
QABA	First Trust NASDAQ ABA Community Bank Index Fund	34.55
KBE	SPDR S&P Bank ETF	34.58
PSI	Invesco Dynamic Semiconductors ETF	34.87
KRE	SPDR S&P Regional Banking ETF	34.90
SOXX	iShares Semiconductor ETF	36.01
IYG	iShares US Financial Services ETF	36.07
SOXQ	Invesco PHLX Semiconductor ETF	36.08

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## 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	(\$266M)	(\$501M)	(\$1,437M)	\$402M
Consumer Discretionary	13	\$30B	(\$174M)	(\$2,630M)	(\$1,918M)	(\$2,677M)
Consumer Staples	12	\$27B	\$267M	\$2,617M	\$4,921M	\$5,940M
Energy	34	\$80B	\$604M	\$1,302M	\$3,922M	\$4,550M
Financials	28	\$77B	(\$514M)	(\$6,079M)	(\$1,028M)	\$3,359M
Health Care	26	\$94B	\$885M	\$3,230M	\$8,840M	\$12,610M
Industrial	14	\$33B	(\$368M)	(\$1,252M)	(\$1,361M)	(\$5,101M)
Materials	10	\$20B	\$55M	\$1,705M	\$2,405M	\$2,617M
Multi-Sector	18	\$18B	(\$908M)	(\$4,596M)	(\$3,223M)	(\$2,451M)
Real Estate	23	\$80B	\$395M	(\$2,376M)	\$2,430M	\$8,660M
Technology	24	\$136B	\$626M	(\$111M)	\$2,402M	\$6,700M
Utilities	10	\$25B	\$385M	\$2,032M	\$2,194M	\$2,589M

## U.S. Sector & Industry Flow Leaders

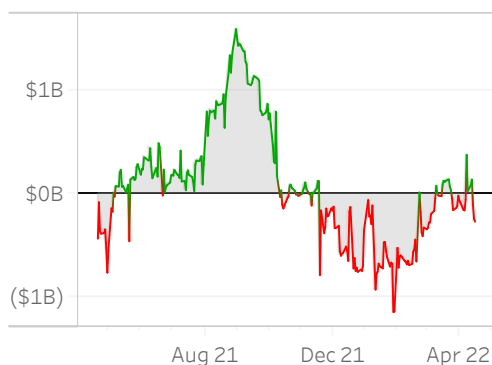
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$975M	\$2,347M	\$6,094M	\$9,283M	\$38,928M
VGT	Vanguard Information Technology ETF	\$697M	\$119M	\$343M	\$3,002M	\$48,670M
XLE	Energy Select Sector SPDR Fund	\$349M	(\$1,106M)	(\$324M)	\$634M	\$38,527M
XLU	Utilities Select Sector SPDR Fund	\$301M	\$1,119M	\$1,103M	\$1,144M	\$15,401M
SOXX	iShares Semiconductor ETF	\$252M	\$278M	\$1,513M	\$1,653M	\$8,243M
IYR	iShares U.S. Real Estate ETF	\$245M	(\$2,157M)	(\$2,068M)	(\$1,773M)	\$5,255M
XLP	Consumer Staples Select Sector SPDR Fund	\$200M	\$1,745M	\$3,604M	\$4,495M	\$16,593M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$167M	\$170M	(\$143M)	(\$455M)	\$5,913M
VNQ	Vanguard Real Estate ETF	\$141M	\$371M	\$2,835M	\$5,431M	\$47,968M
XME	SPDR S&P Metals & Mining ETF	\$109M	\$570M	\$606M	\$753M	\$3,664M

## U.S. Sector & Industry Flow Laggards

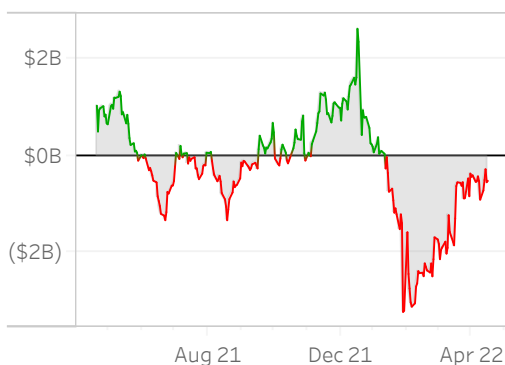
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FDN	First Trust Dow Jones Internet Index Fund	(\$719M)	(\$1,724M)	(\$2,128M)	(\$2,171M)	\$6,003M
XLC	Communication Services Select Sector SPDR Fu..	(\$268M)	(\$529M)	(\$1,286M)	(\$291M)	\$11,333M
XLI	Industrial Select Sector SPDR Fund	(\$228M)	(\$2,557M)	(\$2,766M)	(\$5,459M)	\$14,988M
XLK	Technology Select Sector SPDR Fund	(\$172M)	\$378M	\$1,579M	\$2,144M	\$45,306M
VIS	Vanguard Industrials ETF	(\$150M)	(\$424M)	(\$695M)	(\$592M)	\$4,416M
XHB	SPDR S&P Homebuilders ETF	(\$150M)	(\$664M)	(\$185M)	(\$360M)	\$1,209M
IAT	iShares U.S. Regional Banks ETF	(\$145M)	(\$189M)	(\$74M)	\$439M	\$1,095M
IBB	iShares Biotechnology ETF	(\$135M)	(\$152M)	\$162M	(\$111M)	\$8,656M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$133M)	(\$1,722M)	(\$704M)	(\$1,617M)	\$19,231M
XLF	Financial Select Sector SPDR Fund	(\$126M)	(\$3,676M)	(\$236M)	\$736M	\$41,472M

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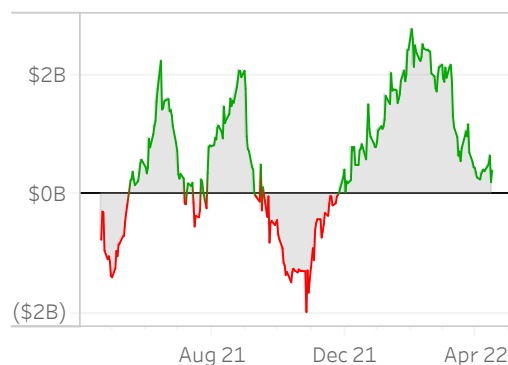
Communication Services



Consumer Discretionary



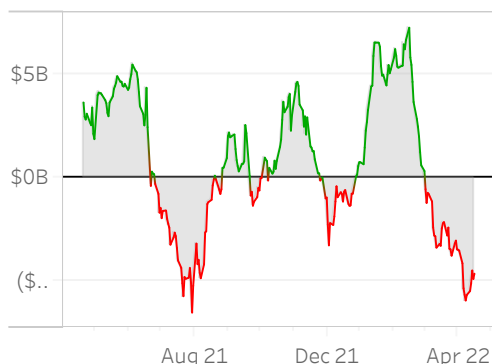
Consumer Staples



Energy



Financials



Industrial



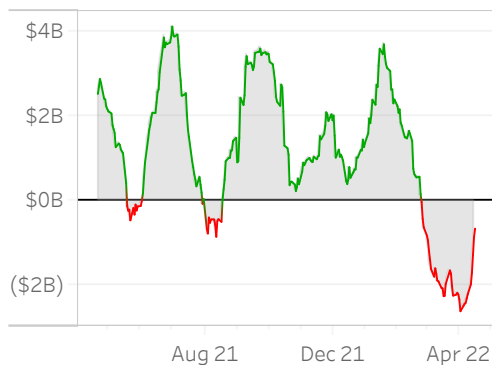
Health Care



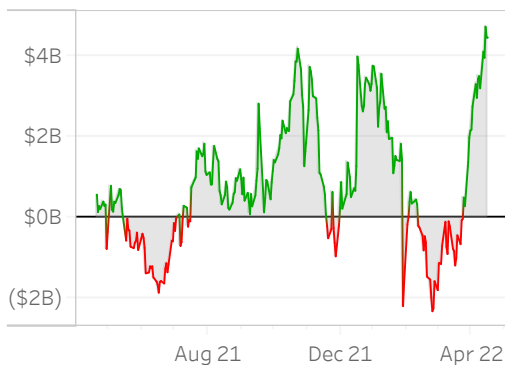
Materials



Real Estate



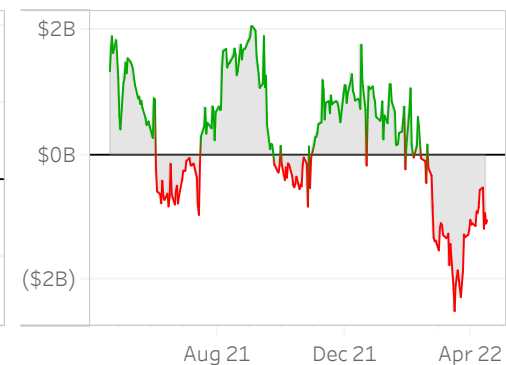
Technology



Utilities

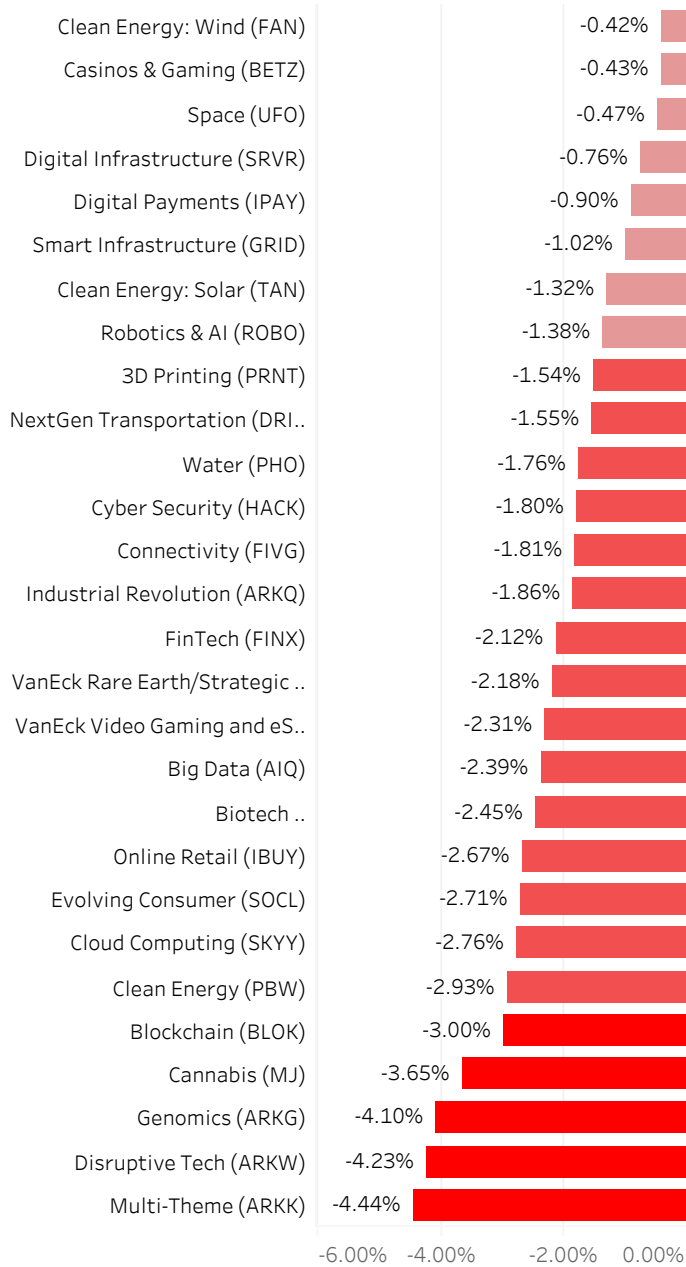


Multi-Sector

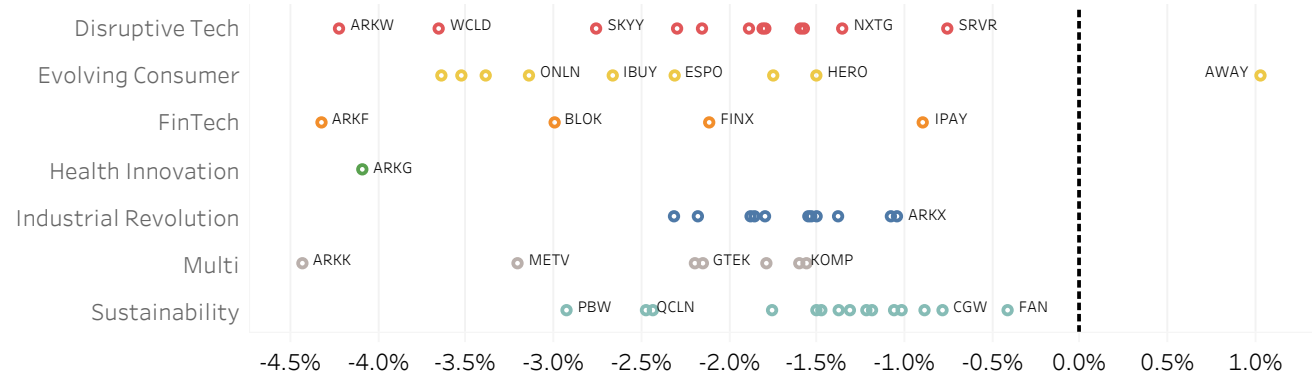


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
AWAY	ETFMG Travel Tech ETF	1.03%
BJK	VanEck Gaming ETF	0.57%
GDOC	Goldman Sachs Future Health Care Equity ETF	0.00%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-0.16%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-0.38%
FAN	First Trust Global Wind Energy ETF	-0.42%
BETZ	Roundhill Sports Betting & iGaming ETF	-0.43%
UFO	Procure Space ETF	-0.47%
AGNG	Global X Aging Population ETF	-0.62%
IZRL	ARK Israel Innovative Technology ETF	-0.70%

## Thematic Most Overbought

Ticker	Fund	1-Day Performance
AGNG	Global X Aging Population ETF	56.70
BUG	Global X Cybersecurity ETF	56.02
WCBR	WisdomTree Cybersecurity Fund	55.15
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	54.53
IHAK	iShares Cybersecurity & Tech ETF	53.93
EVX	VanEck Environmental Services ETF	53.73
CIBR	First Trust NASDAQ Cybersecurity ETF	53.23
AWAY	ETFMG Travel Tech ETF	52.80
GDOC	Goldman Sachs Future Health Care Equity ETF	52.21
HACK	ETFMG Prime Cyber Security ETF	51.86

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ARKK	ARK Innovation ETF	-4.44%
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy..	-4.41%
ARKF	ARK Fintech Innovation ETF	-4.33%
ARKW	ARK Next Generation Internet ETF	-4.23%
ARKG	ARK Genomic Revolution ETF	-4.10%
BKCH	Global X Blockchain ETF	-3.98%
BITQ	Bitwise Crypto Industry Innovators ETF	-3.97%
DAPP	VanEck Digital Transformation ETF	-3.81%
WCLD	WisdomTree Cloud Computing Fund	-3.66%
MJ	ETFMG Alternative Harvest ETF	-3.65%

## Thematic Most Oversold

Ticker	Fund	1-Day Performance
KSTR	KraneShares SSE STAR Market 50 Index ETF	22.76
MSOS	AdvisorShares Pure US Cannabis ETF	34.99
YOLO	AdvisorShares Pure Cannabis ETF	35.46
ROBO	ROBO Global Robotics & Automation Index ETF	35.94
SNSR	Global X Internet of Things ETF	36.16
BOTZ	Global X Robotics & Artificial Intelligence ETF	36.32
BKCH	Global X Blockchain ETF	36.66
PRNT	3D Printing ETF	36.93
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	37.25
BLOK	Amplify Transformational Data Sharing ETF	37.60

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$254M
GDOC	Goldman Sachs Future Health Care Equity ETF	\$100M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$99M
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	\$97M
ICLN	iShares Global Clean Energy ETF	\$21M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$17M
BUG	Global X Cybersecurity ETF	\$16M
ACES	ALPS Clean Energy ETF	\$13M
MILN	Global X Millennial Consumer ETF	\$9M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$8M

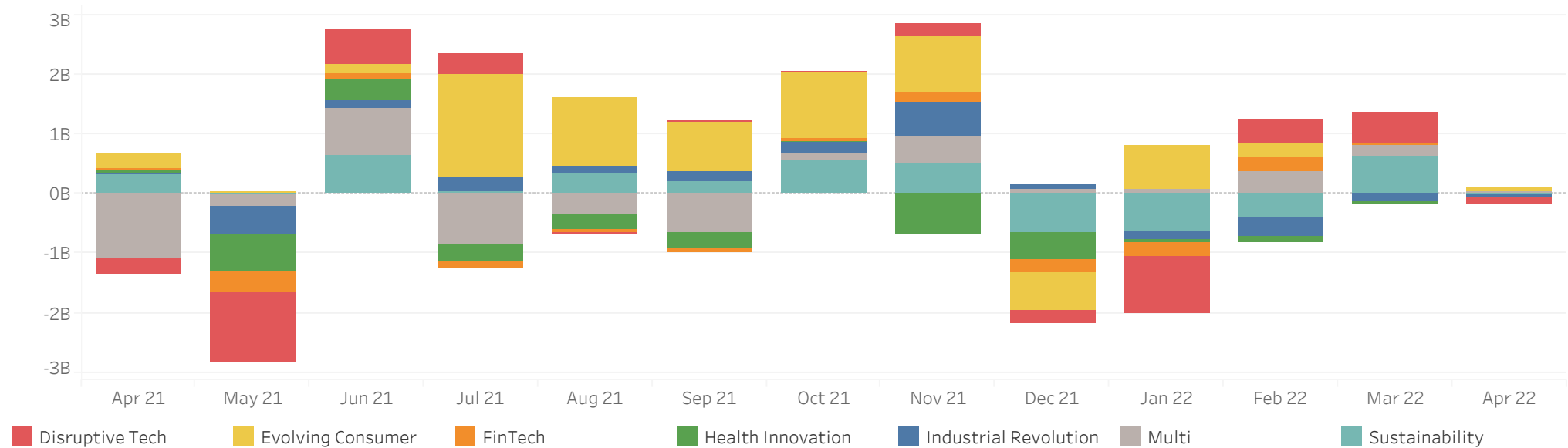
## Thematic 1 Week Flow Laggards

Ticker	Fund	
SKYY	First Trust Cloud Computing ETF	(\$238M)
ARKG	ARK Genomic Revolution ETF	(\$51M)
TAN	Invesco Solar ETF	(\$46M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$36M)
ARKF	ARK Fintech Innovation ETF	(\$26M)
KWEB	KraneShares CSI China Internet ETF	(\$19M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$16M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$13M)
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	(\$11M)
PBW	Invesco WilderHill Clean Energy ETF	(\$11M)

## Thematic Landscape Assets & Flows

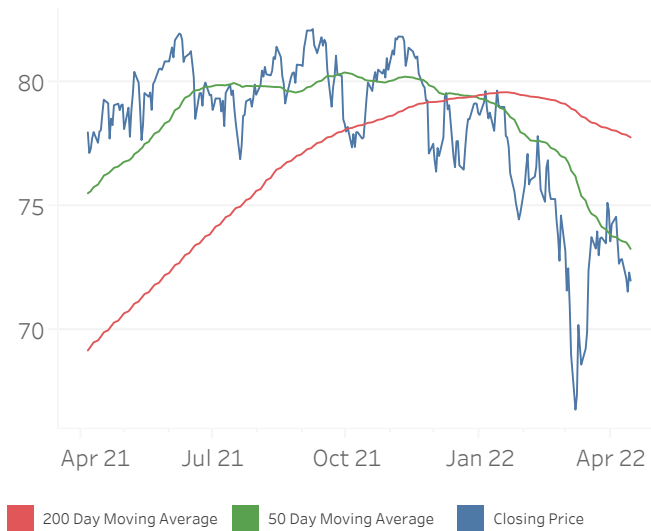
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$24B	(\$263M)	\$379M	\$39M	(\$622M)
Evolving Consumer	45	\$12B	\$4M	\$296M	\$1,923M	\$6,557M
FinTech	22	\$5B	(\$26M)	\$182M	\$79M	(\$478M)
Health Innovation	19	\$5B	(\$24M)	(\$230M)	(\$1,237M)	(\$2,354M)
Industrial Revolution	29	\$14B	(\$37M)	(\$673M)	\$332M	\$364M
Multi	38	\$19B	\$378M	\$1,273M	\$958M	(\$1,020M)
Sustainability	39	\$20B	(\$22M)	(\$70M)	(\$23M)	\$1,544M
Grand Total	228	\$100B	\$9M	\$1,158M	\$2,071M	\$3,989M

## Thematic Monthly Flows

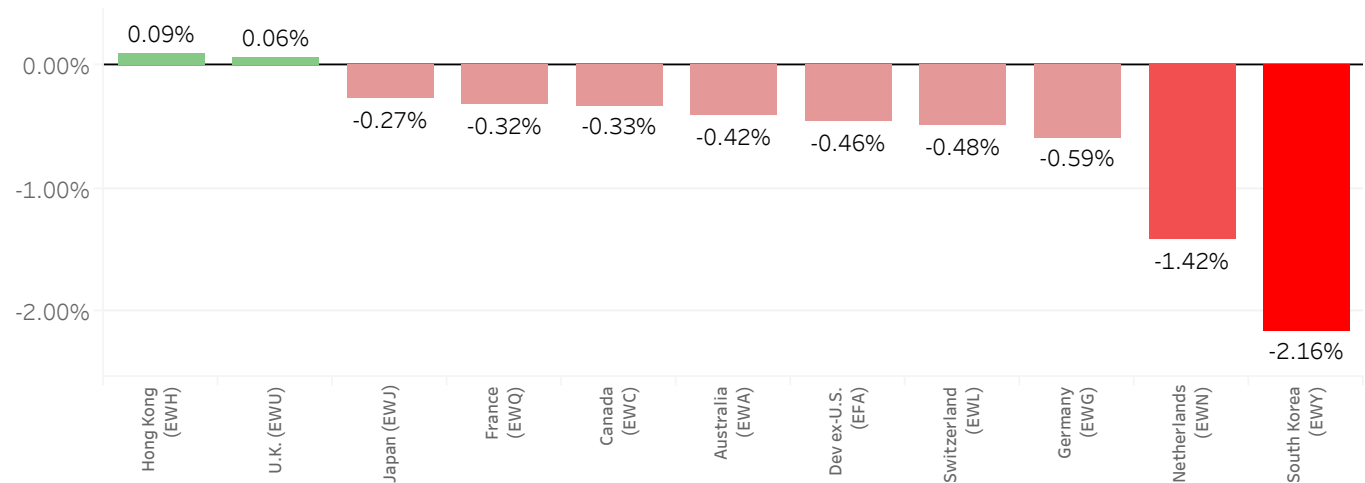


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



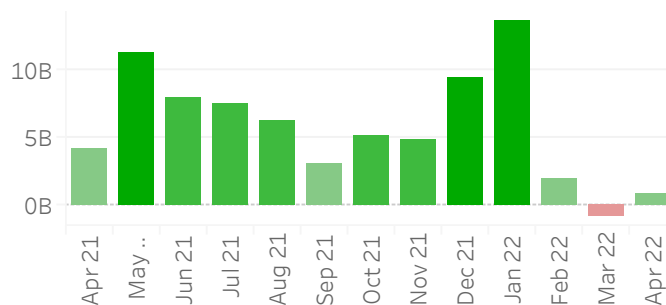
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IMFL	Invesco International Developed Dynamic Multifactor ETF	0.87%
GSID	Goldman Sachs MarketBeta International Equity ETF	0.70%
FYLD	Cambria Foreign Shareholder Yield ETF	0.63%
EWJV	iShares MSCI Japan Value ETF	0.31%
FKU	First Trust United Kingdom AlphaDEX Fund	0.30%
TOK	iShares MSCI Kokusai ETF	0.30%
DDW..	WisdomTree Dynamic Currency Hedged International Equity ..	0.26%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.20%
EWP	iShares MSCI Spain ETF	0.16%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	0.15%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWA	iShares MSCI Australia ETF	58.60
NORW	Global X MSCI Norway ETF	58.03
LVHI	Legg Mason International Low Volatility High Dividend ETF	57.19
EWU	iShares MSCI United Kingdom ETF	56.77
IDOG	ALPS International Sector Dividend Dogs ETF	55.34
FLGB	Franklin FTSE United Kingdom ETF	54.84
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	54.82
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	54.59
DTH	WisdomTree International High Dividend Fund	54.48
EWP	iShares MSCI Spain ETF	54.31

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-2.44%
EWY	iShares MSCI South Korea ETF	-2.16%
FLKR	Franklin FTSE South Korea ETF	-2.08%
AIA	iShares Asia 50 ETF	-2.05%
ISRA	VanEck Israel ETF	-1.43%
EWN	iShares MSCI Netherlands ETF	-1.42%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-1.33%
EWD	iShares MSCI Sweden ETF	-1.27%
EIS	iShares MSCI Israel ETF	-0.89%
EFG	iShares MSCI EAFE Growth ETF	-0.81%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
DFJ	WisdomTree Japan SmallCap Dividend Fund	30.76
PTIN	Pacer Trendpilot International ETF	32.03
SCJ	iShares MSCI Japan Small-Cap ETF	34.33
JPXN	iShares JPX-Nikkei 400 ETF	35.98
BBJP	JPMorgan BetaBuilders Japan ETF	36.41
FLJP	Franklin FTSE Japan ETF	36.49
EWJ	iShares MSCI Japan ETF	36.58
EWJV	iShares MSCI Japan Value ETF	37.45
ENZL	iShares MSCI New Zealand ETF	39.19
EWG	iShares MSCI Germany ETF	39.97

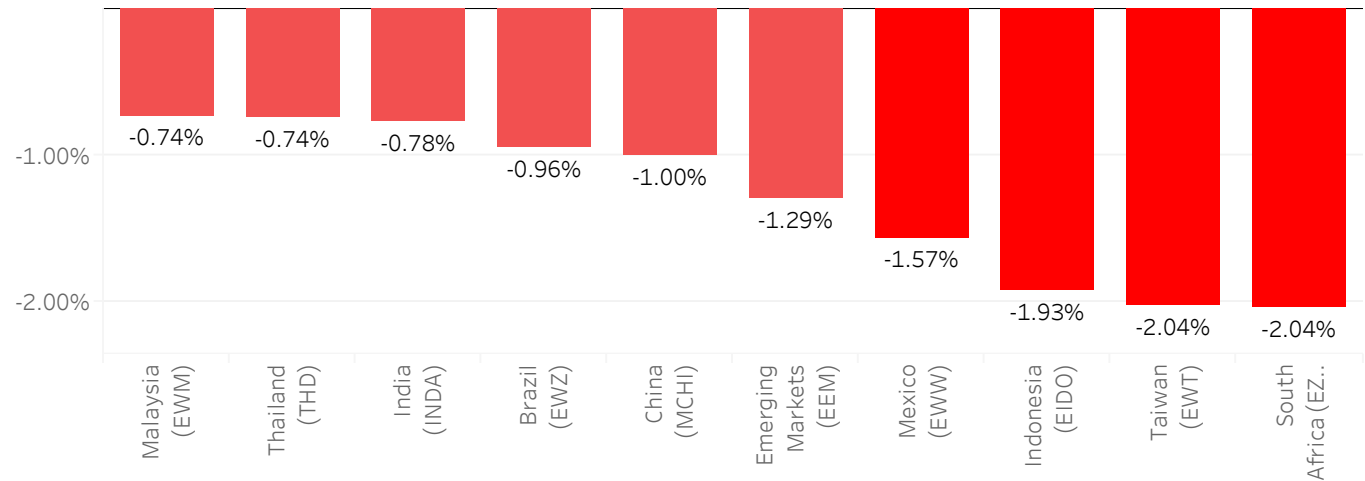
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



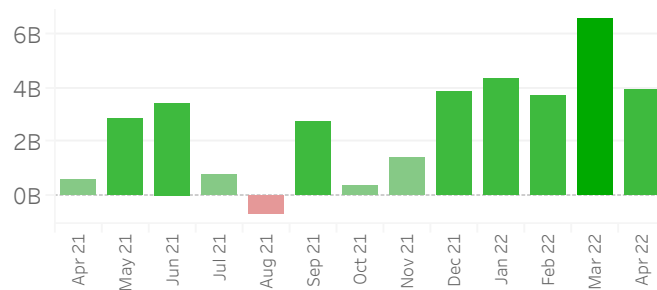
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.46%
CNYA	iShares MSCI China A ETF	0.28%
ECNS	iShares MSCI China Small-Cap ETF	0.27%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.06%
EYLD	Cambria Emerging Shareholder Yield ETF	0.03%
KSA	iShares MSCI Saudi Arabia ETF	0.00%
DVYE	iShares Emerging Markets Dividend ETF	-0.03%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-0.10%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.11%
TUR	iShares MSCI Turkey ETF	-0.13%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	77.29
KSA	iShares MSCI Saudi Arabia ETF	74.28
QAT	iShares MSCI Qatar ETF	57.78
SMIN	iShares MSCI India Small Cap ETF	57.05
IDX	VanEck Indonesia Index ETF	56.15
EWZ	iShares MSCI Brazil ETF	56.13
FLBR	Franklin FTSE Brazil ETF	56.12
FM	iShares MSCI Frontier and Select EM ETF	53.99
FLN	First Trust Latin America AlphaDEX Fund	53.59
AFK	VanEck Africa Index ETF	52.56

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-2.92%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	-2.55%
FNI	First Trust Chindia ETF	-2.38%
EZA	iShares MSCI South Africa ETF	-2.04%
EWT	iShares MSCI Taiwan ETF	-2.04%
EIDO	iShares MSCI Indonesia ETF	-1.93%
ECH	iShares MSCI Chile ETF	-1.87%
FRDM	Freedom 100 Emerging Markets ETF	-1.68%
PIE	Invesco DWA Emerging Markets Momentum ETF	-1.66%
FLN	First Trust Latin America AlphaDEX Fund	-1.62%

Emerging Most Oversold

Ticker	Fund	Price
EPU	iShares MSCI Peru ETF	35.42
EWT	iShares MSCI Taiwan ETF	36.93
EPHE	iShares MSCI Philippines ETF	39.42
VNM	VanEck Vietnam ETF	39.73
XCEM	Columbia EM Core ex-China ETF	40.43
XSOE	WisdomTree Emerging Markets ex-State-Owned Ent..	40.90
EZA	iShares MSCI South Africa ETF	41.13
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	41.18
JEMA	JPMorgan ActiveBuilders Emerging Markets Equity ..	41.30
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	41.71

\* 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	-0.81%	-3.23%	-8.46%
SHY	1-3 Year Treasury Bonds	-0.18%	-0.91%	-2.66%
IEF	7-10 Year Treasury Bonds	-0.90%	-5.09%	-9.78%
TLT	20+ Year Treasury Bonds	-2.00%	-8.06%	-18.17%
TIP	TIPS Bonds	-0.01%	-3.31%	-5.11%
FLOT	Floating Rate Bonds	-0.02%	0.40%	-0.28%
LQD	Investment Grade Corporate	-1.16%	-3.14%	-12.41%
HYG	High Yield Corporate	-0.67%	0.00%	-6.73%
BKLN	Senior Loan	-0.37%	2.34%	-0.71%
PFF	Preferred & Income Securities	-0.46%	-0.42%	-10.51%
MUB	Municipal Bonds	-0.36%	-2.16%	-6.87%
MBB	MBS	-0.74%	-3.44%	-7.50%
EMB	Dollar Denominated EM Bonds	-0.93%	-1.37%	-13.12%
LEMB	Local Currency EM Bond	-0.66%	-0.41%	-7.37%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.79%	13.02%	38.22%
DBE	Energy	1.75%	22.25%	49.88%
USO	WTI Crude Oil	1.47%	15.94%	46.38%
BNO	Brent Crude Oil	2.23%	16.03%	51.60%
UNG	Natural Gas	3.98%	57.93%	104.96%
UGA	Gasoline	1.98%	15.00%	45.63%
DBP	Precious Metals	-0.23%	2.74%	7.84%
GLD	Gold	-0.33%	2.88%	7.65%
SLV	Silver	-0.46%	2.78%	9.90%
PPLT	abrdn Physical Platin..	-0.15%	-0.50%	2.18%
PALL	abrdn Physical Palla..	1.16%	-3.33%	24.12%
DBB	Base Metals	0.00%	6.77%	16.26%
CPER	Copper	-0.03%	4.19%	5.07%
LD	Lead	0.00%	9.11%	6.19%
JJN	Nickel	0.91%	2.06%	60.34%
JJU	Aluminum	2.06%	0.87%	17.92%
JJT	Tin	0.38%	1.70%	11.96%
DBA	Agriculture	-0.49%	3.91%	14.28%
CORN	Corn	0.38%	11.40%	35.61%
SOYB	Soybeans	0.04%	4.47%	24.35%
WEAT	Wheat	-1.45%	3.22%	47.63%
CANE	Sugar	-0.20%	7.36%	9.35%
BAL	Cotton	-0.75%	19.90%	28.93%
NIB	Cocoa	-0.51%	2.24%	-0.61%
JO	Coffee	-1.35%	5.92%	-1.08%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.45%	1.36%	4.68%
UDN	Short Dollar	-0.44%	-1.42%	-4.83%
FXE	Euro	-0.60%	-1.33%	-5.17%
FXB	British Pound Sterling	-0.27%	0.18%	-3.39%
FXF	Swiss Franc	-0.89%	-0.29%	-3.61%
FXJ	Japanese Yen	-0.20%	-6.13%	-8.68%
FXC	Canadian Dollar	-0.41%	1.18%	0.09%
FXA	Australian Dollar	-0.39%	2.95%	2.01%

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