

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

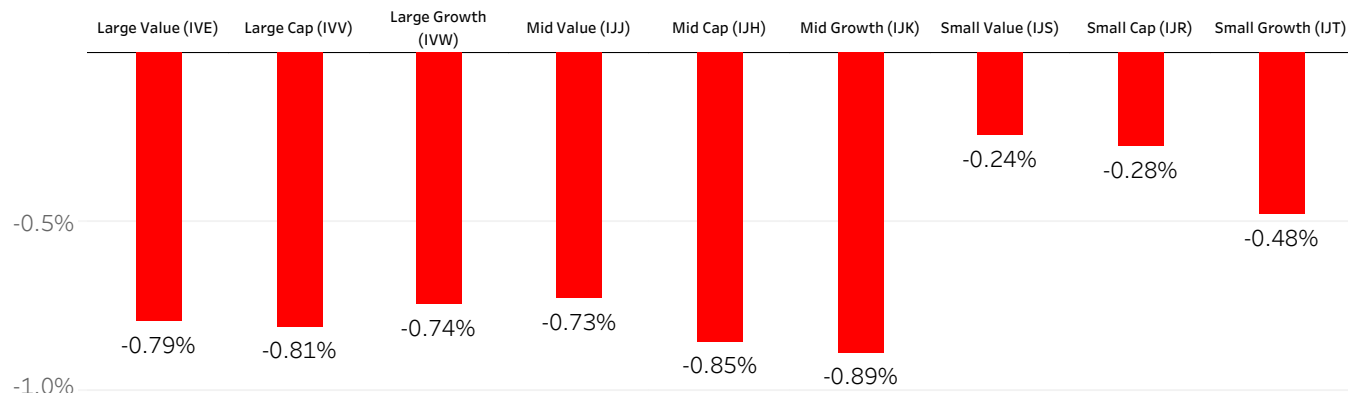


Small Cap Blend (S&P 600) IJR



■ 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
PABU	iShares Paris-Aligned Climate MSCI USA ETF	4.78%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	3.01%
FFTY	Innovator IBD 50 ETF	1.15%
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	0.71%
EQRR	ProShares Equities for Rising Rates ETF	0.71%
XSMO	Invesco S&P SmallCap Momentum ETF	0.47%
DWAS	Invesco DWA SmallCap Momentum ETF	0.45%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	0.38%
MGMT	Ballast Small/Mid Cap ETF	0.29%
CLRG	IQ Chaikin U.S. Large Cap ETF	0.15%

Size & Style Most Overbought

Ticker	Fund	Price
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	69.60
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	59.25
ONOF	Global X Adaptive U.S. Risk Management ETF	59.16
DIVZ	TrueShares Low Volatility Equity Income ETF	59.10
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	58.99
DIV	Global X SuperDividend US ETF	58.72
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	57.51
EQRR	ProShares Equities for Rising Rates ETF	57.34
MGMT	Ballast Small/Mid Cap ETF	57.19
PTNQ	Pacer Trendpilot 100 ETF	57.10

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	-3.08%
BUZZ	VanEck Social Sentiment ETF	-2.88%
IPO	Renaissance IPO ETF	-1.87%
SPHB	Invesco S&P 500 High Beta ETF	-1.54%
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	-1.50%
RDVY	First Trust Rising Dividend Achievers ETF	-1.48%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-1.36%
VOT	Vanguard Mid-Cap Growth ETF	-1.34%
ETHO	Etho Climate Leadership U.S. ETF	-1.33%
TMFS	Motley Fool Small-Cap Growth ETF	-1.32%

Size & Style Most Oversold

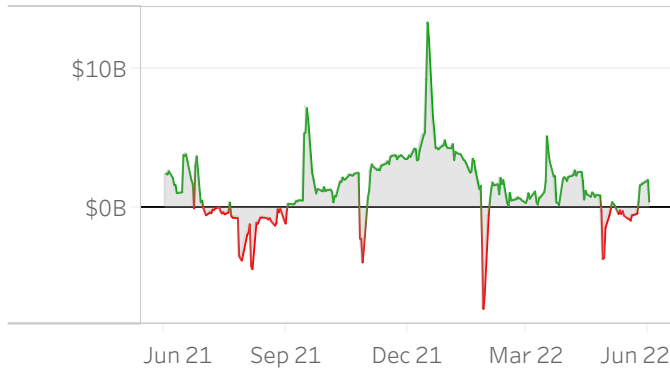
Ticker	Fund	Price
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	23.36
SPC	CrossingBridge Pre-Merger SPAC ETF	39.40
TMFS	Motley Fool Small-Cap Growth ETF	42.38
IPO	Renaissance IPO ETF	43.70
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	44.77
QQH	HCM Defender 100 Index ETF	45.12
LGH	HCM Defender 500 Index ETF	45.14
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	45.22
PTLC	Pacer Trendpilot US Large Cap ETF	45.22
LCG	Sterling Capital Focus Equity ETF	45.81

*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	\$1,238B	(\$1.73B)	\$8.49B	\$40.71B	\$129.11B
Large Cap, Beta Growth, Beta: Growth	10	\$225B	\$0.37B	\$7.26B	\$7.75B	\$18.51B
Large Cap, Beta Growth, Beta: Value	11	\$227B	\$0.28B	\$4.91B	\$17.67B	\$26.49B
Mid Cap, Beta, Beta	10	\$181B	\$0.71B	\$2.99B	\$7.27B	\$11.40B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.03B	\$0.23B	(\$0.65B)	\$0.24B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.02B	(\$0.55B)	\$0.31B	\$0.09B
Small Cap, Beta, Beta	13	\$195B	(\$0.12B)	(\$3.87B)	(\$2.69B)	\$7.08B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.18B	\$0.64B	\$1.16B	\$1.63B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.06B	(\$2.83B)	(\$1.82B)	(\$1.85B)

U.S. Size & Style Flow Leaders

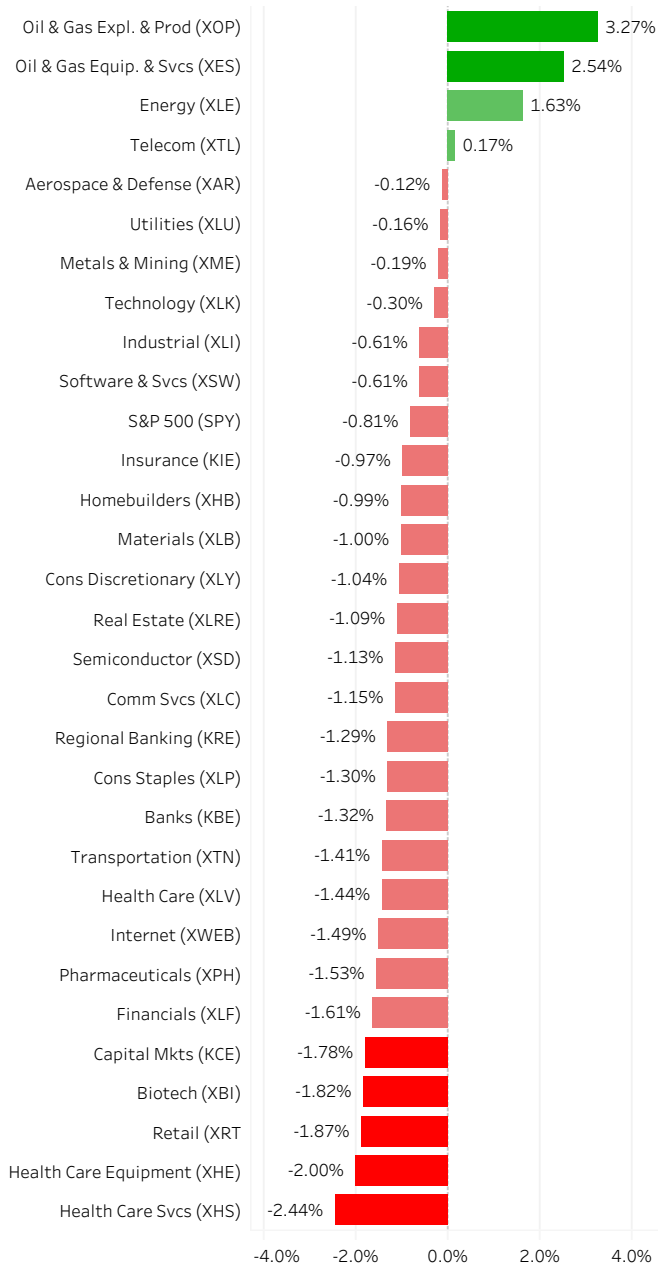
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$0.94B	\$0.60B	\$12.09B	\$27.30B	\$302.88B
VOO	Vanguard S&P 500 ETF	\$0.54B	(\$2.29B)	\$15.74B	\$41.08B	\$262.21B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.51B	\$0.25B	\$0.04B	(\$0.96B)	\$19.18B
VUG	Vanguard Growth ETF	\$0.29B	\$3.36B	\$4.52B	\$6.74B	\$73.06B
COWZ	Pacer US Cash Cows 100 ETF	\$0.21B	\$3.40B	\$4.85B	\$5.31B	\$6.32B
LRGF	iShares U.S. Equity Factor ETF	\$0.20B	\$0.19B	\$0.19B	\$0.34B	\$1.35B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.20B	\$0.95B	\$3.82B	\$4.30B	\$32.59B
NULV	Nuveen ESG Large-Cap Value ETF	\$0.18B	\$0.30B	\$0.54B	\$0.72B	\$1.66B
PWV	Invesco Dynamic Large Cap Value ETF	\$0.18B	\$0.13B	\$0.20B	\$0.02B	\$0.99B
HDV	iShares Core High Dividend ETF	\$0.17B	\$4.16B	\$4.72B	\$5.07B	\$13.24B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.81B)	\$4.75B	\$3.77B	\$21.31B	\$166.85B
IWM	iShares Russell 2000 ETF	(\$0.18B)	(\$0.52B)	(\$4.15B)	(\$1.89B)	\$55.16B
VTI	Vanguard Total Stock Market ETF	(\$0.11B)	\$4.71B	\$14.62B	\$37.89B	\$267.60B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.06B)	\$0.36B	(\$0.11B)	\$1.81B	\$21.38B
SCHX	Schwab U.S. Large-Cap ETF	(\$0.05B)	(\$1.37B)	(\$0.78B)	\$0.81B	\$29.58B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.04B)	(\$1.94B)	(\$4.76B)	(\$5.40B)	\$10.41B
IWF	iShares Russell 1000 Growth ETF	(\$0.03B)	\$1.15B	\$1.26B	\$1.92B	\$62.56B
VV	Vanguard Large-Cap ETF	(\$0.03B)	\$0.72B	\$1.41B	\$2.48B	\$25.56B
SCHA	Schwab U.S. Small-Cap ETF	(\$0.03B)	(\$0.50B)	\$0.10B	\$1.02B	\$14.39B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.03B)	(\$0.60B)	(\$2.61B)	(\$2.46B)	\$10.48B

* 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%	93.54%	11.12%	36.73%	66.56
XLU	Utilities Select Sector SPDR Fund	-3.57%	17.37%	0.65%	6.89%	56.29
XLB	Materials Select Sector SPDR Fund	-6.00%	7.66%	-1.27%	-0.41%	51.05
XLV	Health Care Select Sector SPDR Fund	-8.75%	5.33%	-2.67%	-1.91%	46.56
XLP	Consumer Staples Select Sector SPDR Fund	-8.77%	6.83%	-3.95%	-0.95%	42.66
XLI	Industrial Select Sector SPDR Fund	-12.14%	4.88%	-3.25%	-7.05%	48.67
SPY	SPDR S&P 500 ETF Trust	-14.26%	5.17%	-3.49%	-7.83%	49.93
XLRE	Real Estate Select Sector SPDR Fund	-15.58%	4.82%	-5.77%	-7.24%	45.28
XLF	Financial Select Sector SPDR Fund	-15.74%	6.01%	-3.00%	-8.73%	50.45
XLK	Technology Select Sector SPDR Fund	-20.73%	7.08%	-3.44%	-10.50%	51.31
XLY	Consumer Discretionary Select Sector SPDR Fund	-27.67%	10.96%	-8.29%	-17.05%	48.01
XLC	Communication Services Select Sector SPDR Fund	-30.87%	4.74%	-5.58%	-18.70%	47.70

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	3.62%
FCG	First Trust Natural Gas ETF	3.33%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	3.27%
PXE	Invesco Dynamic Energy Exploration & Production ..	2.95%
AMZA	InfraCap MLP ETF	2.76%
PXI	Invesco DWA Energy Momentum ETF	2.72%
PXJ	Invesco Dynamic Oil & Gas Services ETF	2.55%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.54%
FTXN	First Trust Nasdaq Oil & Gas ETF	2.49%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	2.44%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PSCE	Invesco S&P SmallCap Energy ETF	70.21
PXE	Invesco Dynamic Energy Exploration & Production ETF	70.21
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	70.06
FCG	First Trust Natural Gas ETF	69.92
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	69.19
FTXN	First Trust Nasdaq Oil & Gas ETF	67.72
PXI	Invesco DWA Energy Momentum ETF	67.19
RYE	Invesco S&P 500 Equal Weight Energy ETF	67.16
FXN	First Trust Energy AlphaDEX Fund	66.85
FENY	Fidelity MSCI Energy Index ETF	66.77

Sector & Industry 1 Day Performance Laggards

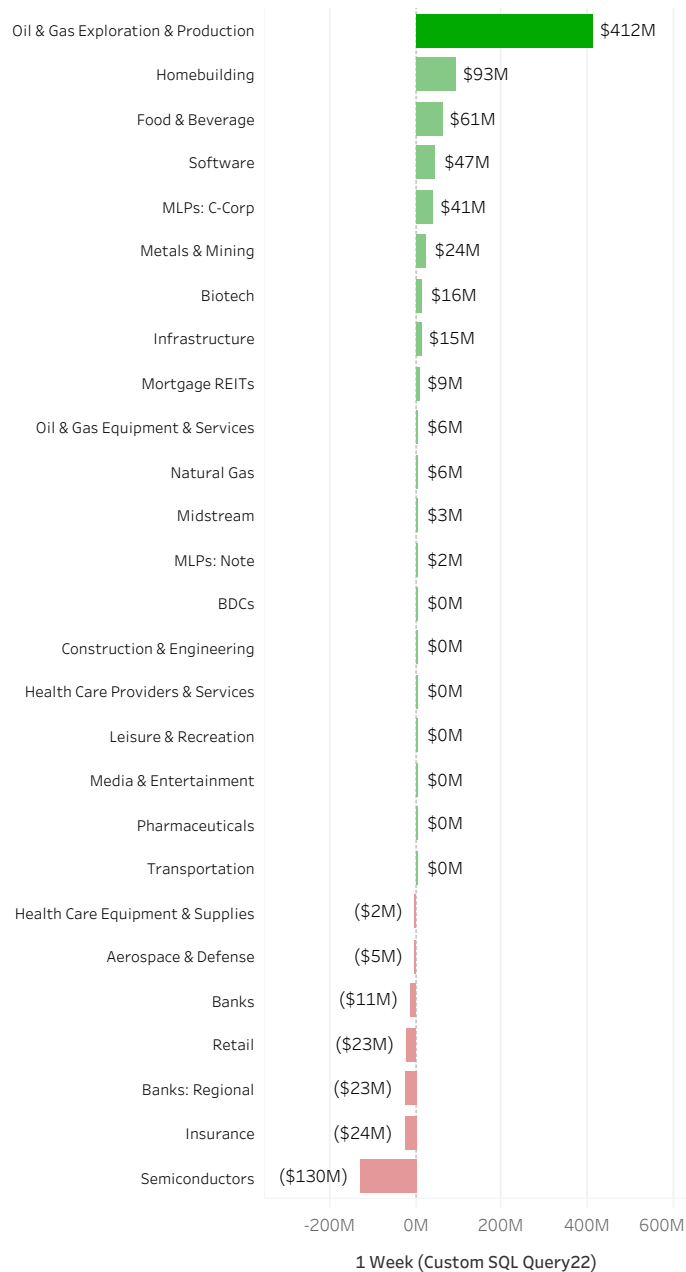
Ticker	Fund	1 Day Performance
XHS	SPDR S&P Health Care Services ETF	-2.44%
IHI	iShares U.S. Medical Devices ETF	-2.39%
KBWB	Invesco KBW Bank ETF	-2.06%
XHE	SPDR S&P Health Care Equipment ETF	-2.00%
XRT	SPDR S&P Retail ETF	-1.87%
XBI	SPDR S&P BIOTECH ETF	-1.82%
FTXO	First Trust Nasdaq Bank ETF	-1.81%
IAT	iShares U.S. Regional Banks ETF	-1.80%
KCE	SPDR S&P Capital Markets ETF	-1.78%
FTXG	First Trust Nasdaq Food & Beverage ETF	-1.70%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	41.15
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	41.19
XHE	SPDR S&P Health Care Equipment ETF	42.48
VDC	Vanguard Consumer Staples ETF	42.54
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	42.59
XLP	Consumer Staples Select Sector SPDR Fund	42.66
FDN	First Trust Dow Jones Internet Index Fund	42.73
XHS	SPDR S&P Health Care Services ETF	43.00
FTXG	First Trust Nasdaq Food & Beverage ETF	43.01
IHF	iShares U.S. Healthcare Providers ETF	43.15

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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	\$15B	\$17M	(\$179M)	(\$1,199M)	\$125M
Consumer Discretionary	13	\$24B	(\$92M)	(\$2,102M)	(\$4,242M)	(\$4,158M)
Consumer Staples	12	\$28B	\$189M	\$2,734M	\$6,701M	\$7,406M
Energy	34	\$87B	\$699M	(\$951M)	\$4,679M	\$3,891M
Financials	28	\$65B	(\$416M)	(\$12,727M)	(\$6,578M)	(\$9,712M)
Health Care	26	\$90B	\$851M	\$5,781M	\$9,183M	\$13,889M
Industrial	14	\$30B	(\$188M)	(\$1,281M)	(\$1,511M)	(\$6,661M)
Materials	10	\$19B	\$153M	\$1,569M	\$1,567M	(\$581M)
Multi-Sector	19	\$16B	\$164M	(\$2,131M)	(\$3,836M)	(\$3,510M)
Real Estate	23	\$73B	\$90M	(\$1,823M)	(\$49M)	\$7,636M
Technology	24	\$125B	\$106M	\$1,023M	(\$1,366M)	\$5,900M
Utilities	10	\$27B	\$173M	\$3,116M	\$4,175M	\$4,967M

U.S. Sector & Industry Flow Leaders

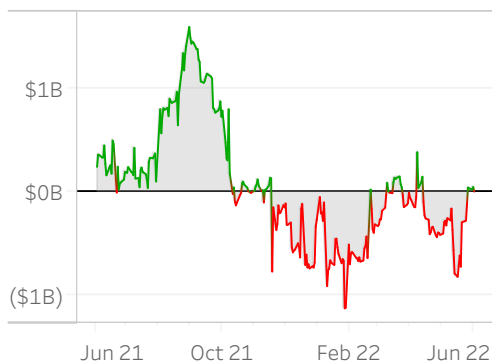
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$766M	\$5,394M	\$7,226M	\$10,085M	\$40,024M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$316M	(\$308M)	\$31M	(\$817M)	\$5,882M
VGT	Vanguard Information Technology ETF	\$237M	\$956M	\$174M	\$2,223M	\$44,635M
XLE	Energy Select Sector SPDR Fund	\$224M	(\$1,689M)	\$917M	\$570M	\$42,941M
XLU	Utilities Select Sector SPDR Fund	\$112M	\$2,114M	\$2,793M	\$3,214M	\$16,773M
XLB	Materials Select Sector SPDR Fund	\$105M	\$202M	(\$577M)	(\$1,832M)	\$7,661M
PXE	Invesco Dynamic Energy Exploration & Producti..	\$96M	\$128M	\$169M	\$208M	\$423M
XBI	SPDR S&P BIOTECH ETF	\$81M	\$492M	\$2,223M	\$2,849M	\$5,917M
VNQ	Vanguard Real Estate ETF	\$80M	(\$563M)	\$465M	\$3,227M	\$43,201M
VHT	Vanguard Health Care ETF	\$66M	(\$318M)	(\$27M)	\$1,180M	\$16,091M

U.S. Sector & Industry Flow Laggards

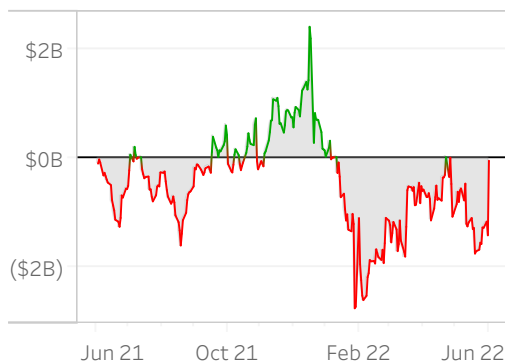
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$347M)	(\$7,747M)	(\$3,140M)	(\$6,666M)	\$34,736M
XLI	Industrial Select Sector SPDR Fund	(\$127M)	(\$1,552M)	(\$1,737M)	(\$5,550M)	\$13,858M
SOXX	iShares Semiconductor ETF	(\$124M)	(\$431M)	\$153M	\$1,346M	\$7,646M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$61M)	(\$779M)	(\$2,037M)	(\$1,338M)	\$16,064M
IBB	iShares Biotechnology ETF	(\$59M)	(\$1M)	(\$49M)	(\$338M)	\$7,648M
KBE	SPDR S&P Bank ETF	(\$37M)	(\$656M)	(\$379M)	(\$746M)	\$2,568M
XLK	Technology Select Sector SPDR Fund	(\$33M)	\$545M	\$509M	\$2,384M	\$42,258M
VIS	Vanguard Industrials ETF	(\$31M)	(\$770M)	(\$1,076M)	(\$1,492M)	\$3,579M
KIE	SPDR S&P Insurance ETF	(\$24M)	(\$6M)	\$6M	(\$19M)	\$458M
XRT	SPDR S&P Retail ETF	(\$23M)	\$354M	(\$27M)	(\$21M)	\$601M

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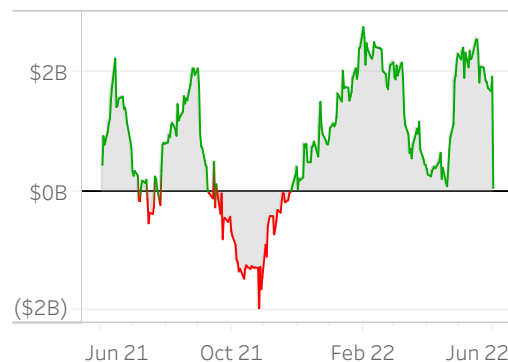
Communication Services



Consumer Discretionary



Consumer Staples



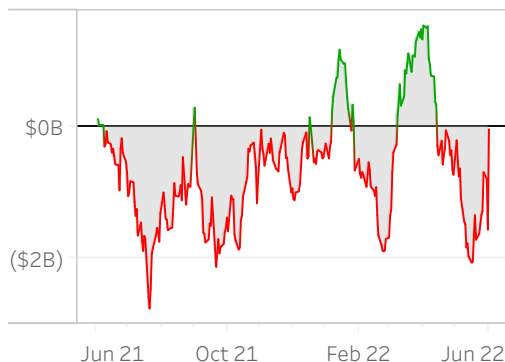
Energy



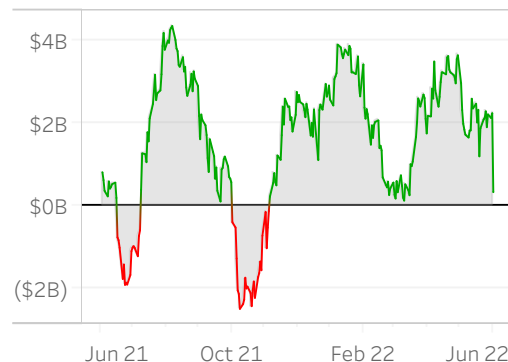
Financials



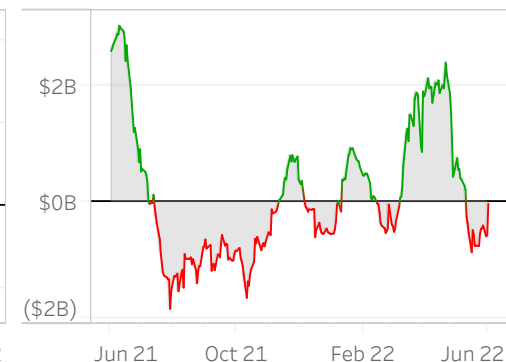
Industrial



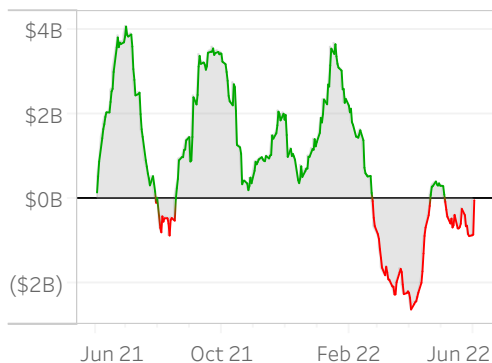
Health Care



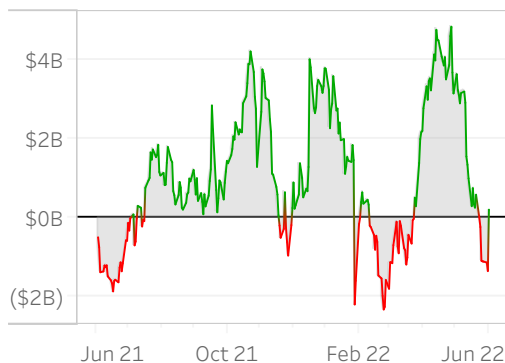
Materials



Real Estate



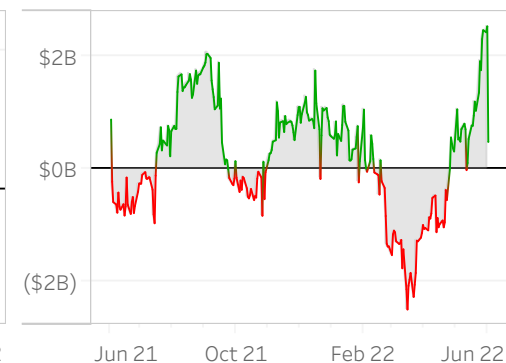
Technology



Utilities

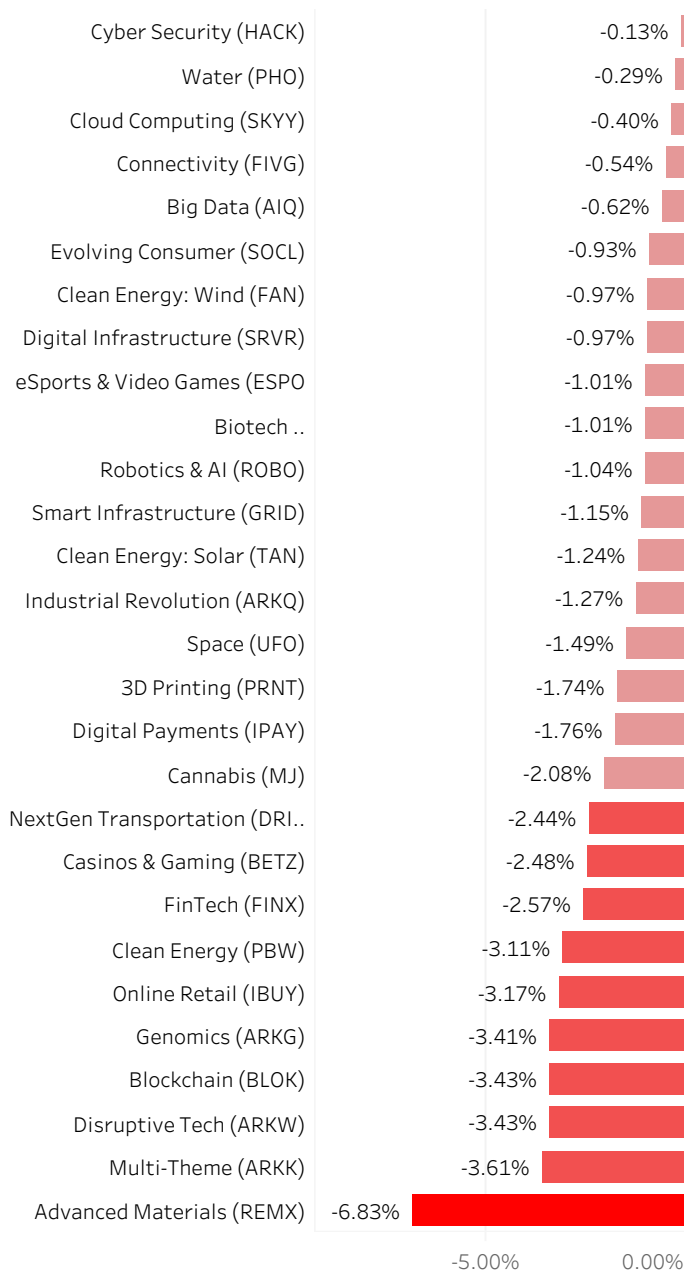


Multi-Sector

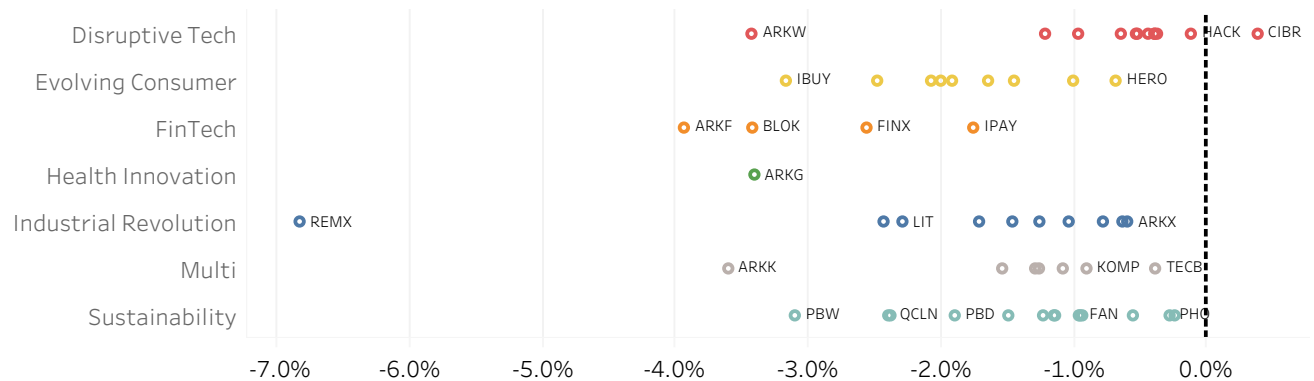


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CIBR	First Trust NASDAQ Cybersecurity ETF	0.38%
EVX	VanEck Environmental Services ETF	0.14%
KGRN	KraneShares MSCI China Clean Technology Index ETF	0.08%
WFH	Direxion Work From Home ETF	0.05%
HACK	ETFMG Prime Cyber Security ETF	-0.13%
EBLU	Ecofin Global Water ESG Fund	-0.20%
FIW	First Trust Water ETF	-0.25%
IZRL	ARK Israel Innovative Technology ETF	-0.27%
PHO	Invesco Water Resources ETF	-0.29%
BUG	Global X Cybersecurity ETF	-0.38%

Thematic Most Overbought

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	58.66
TAN	Invesco Solar ETF	57.70
KWEB	KraneShares CSI China Internet ETF	56.23
HERO	Global X Video Games & Esports ETF	55.21
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	55.21
CNRG	SPDR S&P Kensho Clean Power ETF	55.14
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	55.03
ICLN	iShares Global Clean Energy ETF	55.01
FIVG	Defiance Next Gen Connectivity ETF	54.47
CTEC	Global X CleanTech ETF	54.42

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BKCH	Global X Blockchain ETF	-7.88%
BITQ	Bitwise Crypto Industry Innovators ETF	-7.82%
REMX	VanEck Rare Earth/Strategic Metals ETF	-6.83%
ARKF	ARK Fintech Innovation ETF	-3.94%
ARKK	ARK Innovation ETF	-3.61%
GDOC	Goldman Sachs Future Health Care Equity ETF	-3.53%
ARKW	ARK Next Generation Internet ETF	-3.43%
BLOK	Amplify Transformational Data Sharing ETF	-3.43%
ARKG	ARK Genomic Revolution ETF	-3.41%
IBUY	Amplify Online Retail ETF	-3.17%

Thematic Most Oversold

Ticker	Fund	Price
POTX	Global X Cannabis ETF	31.95
CNBS	Amplify Seymour Cannabis ETF	34.15
YOLO	AdvisorShares Pure Cannabis ETF	35.75
BKCH	Global X Blockchain ETF	36.39
MJ	ETFMG Alternative Harvest ETF	36.57
BITQ	Bitwise Crypto Industry Innovators ETF	37.38
MSOS	AdvisorShares Pure US Cannabis ETF	37.81
SBIO	ALPS Medical Breakthroughs ETF	39.24
BLOK	Amplify Transformational Data Sharing ETF	39.87
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	40.61

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$177M
ARKW	ARK Next Generation Internet ETF	\$28M
ARKF	ARK Fintech Innovation ETF	\$22M
TAN	Invesco Solar ETF	\$17M
SAMT	Strategas Macro Thematic Opportunities ETF	\$16M
CNRG	SPDR S&P Kensho Clean Power ETF	\$11M
PBW	Invesco WilderHill Clean Energy ETF	\$11M
LIT	Global X Lithium & Battery Tech ETF	\$11M
TARK	AXS 2X Innovation ETF	\$6M
TENG	Direxion Daily 5G Communications Bull 2X Shares	\$3M

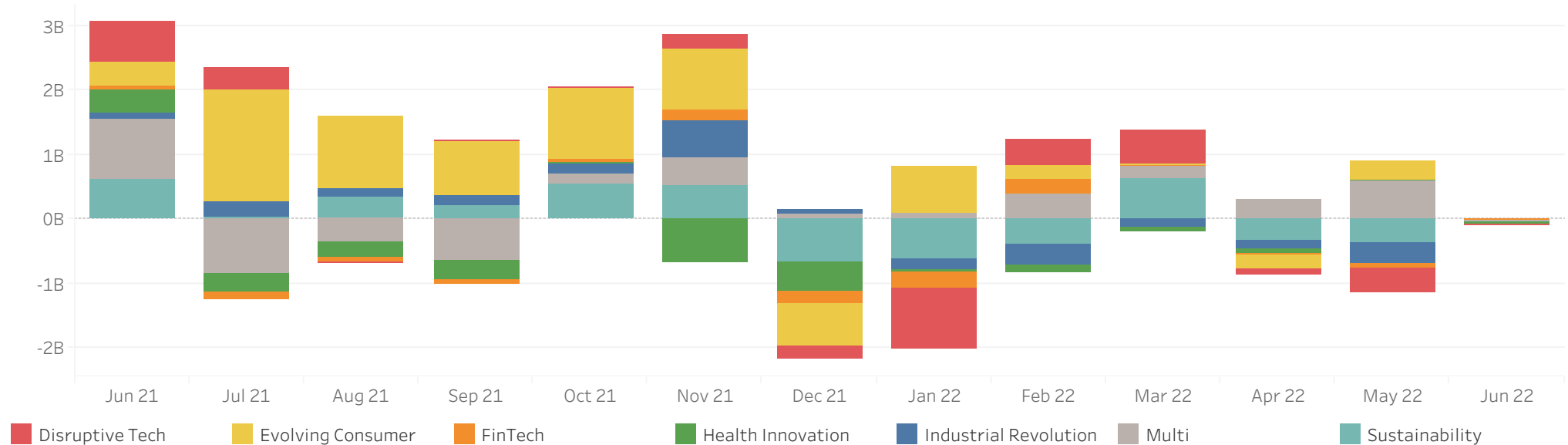
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$226M)
ARKG	ARK Genomic Revolution ETF	(\$87M)
ACES	ALPS Clean Energy ETF	(\$12M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$8M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$8M)
SKYY	First Trust Cloud Computing ETF	(\$7M)
FIVG	Defiance Next Gen Connectivity ETF	(\$7M)
GINN	Goldman Sachs ETF Trust Goldman Sachs Innovate Equity ETF	(\$7M)
BLOK	Amplify Transformational Data Sharing ETF	(\$5M)
PHO	Invesco Water Resources ETF	(\$5M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$20B	(\$22M)	(\$198M)	(\$742M)	\$508M
Evolving Consumer	48	\$11B	(\$16M)	\$187M	\$428M	\$6,458M
FinTech	24	\$4B	\$23M	(\$52M)	(\$278M)	(\$262M)
Health Innovation	19	\$4B	(\$87M)	(\$200M)	(\$704M)	(\$1,842M)
Industrial Revolution	32	\$13B	\$9M	(\$581M)	(\$1,000M)	\$427M
Multi	42	\$16B	\$132M	\$860M	\$1,607M	\$1,182M
Sustainability	41	\$18B	\$15M	(\$29M)	(\$1,680M)	\$519M
Grand Total	241	\$85B	\$55M	(\$13M)	(\$2,370M)	\$6,990M

Thematic Monthly Flows

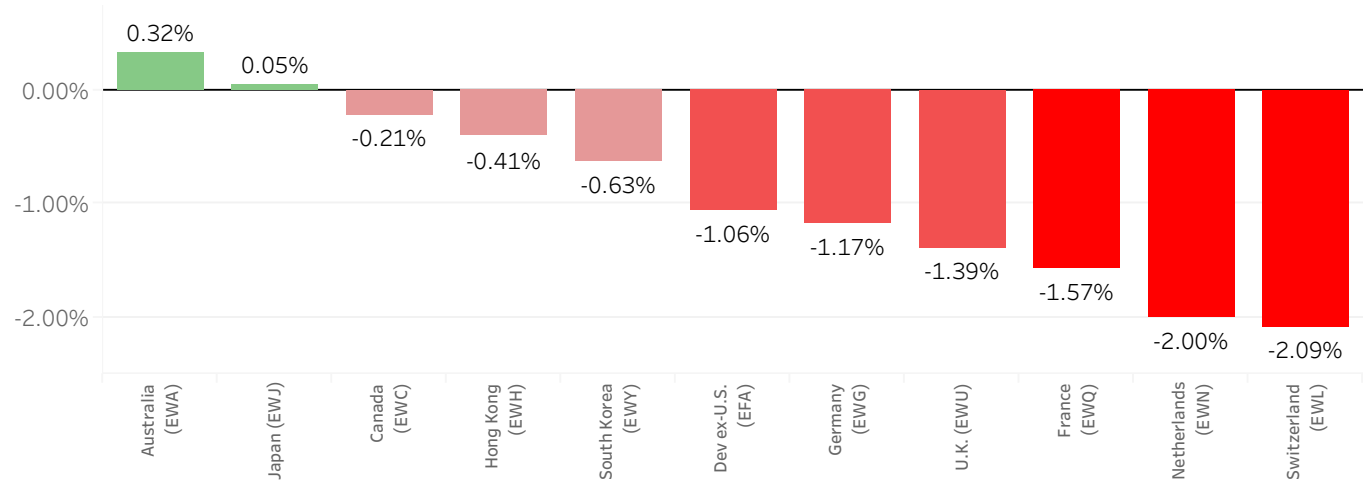


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

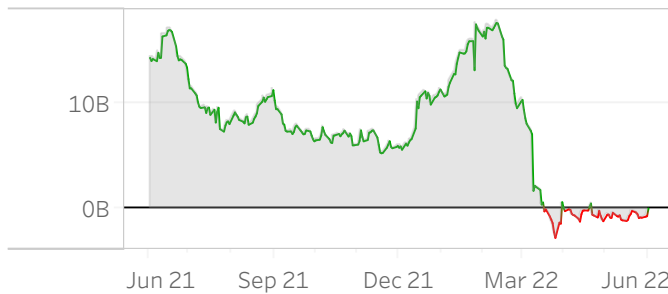
Developed ex-U.S. (EFA)



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



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



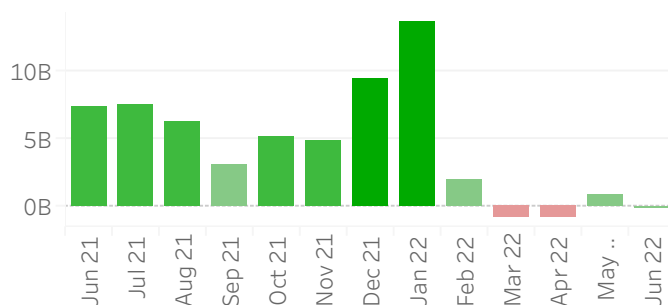
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FSZ	First Trust Switzerland AlphaDEX Fund	2.63%
DXJ	WisdomTree Japan Hedged Equity Fund	1.46%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.20%
EWJV	iShares MSCI Japan Value ETF	1.14%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.12%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.73%
SCJ	iShares MSCI Japan Small-Cap ETF	0.56%
EWA	iShares MSCI Australia ETF	0.32%
GREK	Global X MSCI Greece ETF	0.26%
ISRA	VanEck Israel ETF	0.20%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DXJ	WisdomTree Japan Hedged Equity Fund	61.70
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	59.65
HEWJ	iShares Currency Hedged MSCI Japan ETF	59.50
IVAL	Alpha Architect International Quantitative Value ETF	58.74
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	58.67
DFIV	Dimensional International Value ETF	58.55
EWH	iShares MSCI Hong Kong ETF	58.54
FYLD	Cambria Foreign Shareholder Yield ETF	57.73
IQIN	IQ 500 International ETF	57.08
ISDX	Invesco RAFI Strategic Developed ex-US ETF	56.75

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	-2.47%
EWL	iShares MSCI Switzerland ETF	-2.09%
EWN	iShares MSCI Netherlands ETF	-2.00%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-1.85%
FLSW	Franklin FTSE Switzerland ETF	-1.82%
EWI	iShares MSCI Italy ETF	-1.77%
EUDG	WisdomTree Europe Quality Dividend Growth Fund	-1.77%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-1.71%
EWP	iShares MSCI Spain ETF	-1.68%
FEZ	SPDR EURO STOXX 50 ETF	-1.66%

Developed ex-U.S. Most Oversold

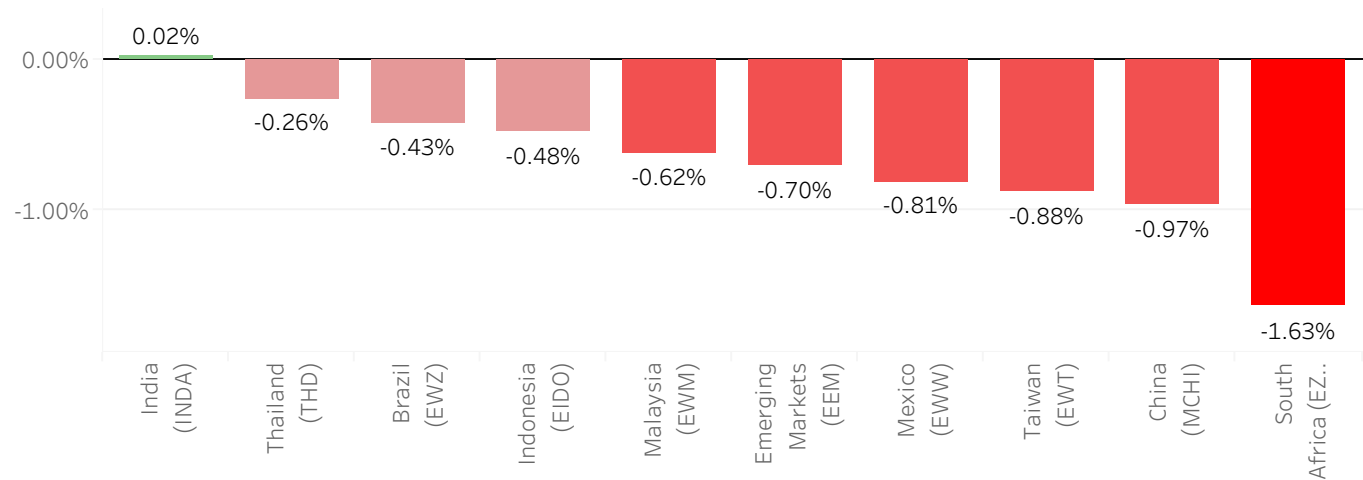
Ticker	Fund	Price
PTIN	Pacer Trendpilot International ETF	38.51
QEFA	SPDR MSCI EAFE StrategicFactors ETF	43.53
EWL	iShares MSCI Switzerland ETF	44.39
EFV	iShares MSCI EAFE Min Vol Factor ETF	44.99
EFAX	SPDR MSCI EAFE Fossil Fuel Free ETF	45.00
EFAD	ProShares MSCI EAFE Dividend Growers ETF	45.30
FLSW	Franklin FTSE Switzerland ETF	45.39
WPS	iShares International Developed Property ETF	46.53
EWS	iShares MSCI Singapore ETF	47.21
EIS	iShares MSCI Israel ETF	47.49

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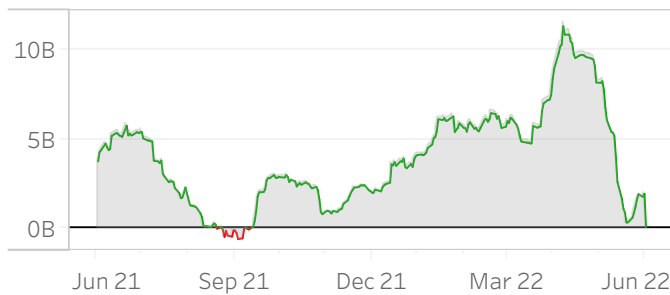
Emerging (EEM)



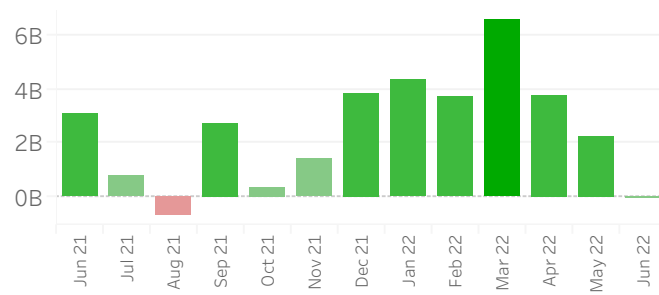
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EYLD	Cambria Emerging Shareholder Yield ETF	1.30%
SMIN	iShares MSCI India Small Cap ETF	1.04%
TUR	iShares MSCI Turkey ETF	0.70%
GLIN	VanEck India Growth Leaders ETF	0.50%
EPI	WisdomTree India Earnings Fund	0.30%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.25%
INDY	iShares India 50 ETF	0.23%
INDA	iShares MSCI India ETF	0.02%
DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	-0.02%
IDX	VanEck Indonesia Index ETF	-0.09%

Emerging Most Overbought

Ticker	Fund	Price
ECH	iShares MSCI Chile ETF	64.21
FLN	First Trust Latin America AlphaDEX Fund	64.21
EYLD	Cambria Emerging Shareholder Yield ETF	58.93
EIDO	iShares MSCI Indonesia ETF	58.80
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	58.58
FRDM	Freedom 100 Emerging Markets ETF	58.55
ILF	iShares Latin America 40 ETF	57.91
IDX	VanEck Indonesia Index ETF	57.73
FXI	iShares China Large-Cap ETF	57.47
EWZ	iShares MSCI Brazil ETF	57.43

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	-1.84%
EPHE	iShares MSCI Philippines ETF	-1.84%
PGJ	Invesco Golden Dragon China ETF	-1.84%
KSA	iShares MSCI Saudi Arabia ETF	-1.82%
EPOL	iShares MSCI Poland ETF	-1.82%
EZA	iShares MSCI South Africa ETF	-1.63%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.62%
LDEM	iShares ESG MSCI EM Leaders ETF	-1.33%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-1.10%
QAT	iShares MSCI Qatar ETF	-1.10%

Emerging Most Oversold

Ticker	Fund	Price
QAT	iShares MSCI Qatar ETF	32.63
GLIN	VanEck India Growth Leaders ETF	40.16
KSA	iShares MSCI Saudi Arabia ETF	42.29
AFK	VanEck Africa Index ETF	42.69
FM	iShares MSCI Frontier and Select EM ETF	43.36
EWM	iShares MSCI Malaysia ETF	44.19
EPI	WisdomTree India Earnings Fund	44.29
FLIN	Franklin FTSE India ETF	44.52
INDA	iShares MSCI India ETF	45.14
EPHE	iShares MSCI Philippines ETF	45.97

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

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	-0.41%	0.35%	-9.11%
SHY	1-3 Year Treasury Bonds	-0.19%	0.41%	-2.59%
IEF	7-10 Year Treasury Bonds	-0.56%	0.05%	-10.28%
TLT	20+ Year Treasury Bonds	-0.11%	-2.36%	-20.96%
TIP	TIPS Bonds	-0.41%	-1.38%	-6.50%
FLOT	Floating Rate Bonds	-0.07%	-0.30%	-0.62%
LQD	Investment Grade Corporate	-0.58%	1.27%	-13.43%
HYG	High Yield Corporate	-0.37%	1.26%	-7.57%
BKLN	Senior Loan	0.38%	-1.61%	-2.99%
PFF	Preferred & Income Securities	-0.39%	2.34%	-10.99%
MUB	Municipal Bonds	0.00%	1.46%	-6.47%
MBB	MBS	-0.59%	0.64%	-7.71%
EMB	Dollar Denominated EM Bonds	-0.18%	0.63%	-15.21%
LEMB	Local Currency EM Bond	-0.48%	0.00%	-10.33%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.24%	3.50%	39.20%
DBE	Energy	1.73%	11.19%	65.28%
USO	WTI Crude Oil	0.08%	10.86%	57.36%
BNO	Brent Crude Oil	-0.15%	10.93%	62.08%
UNG	Natural Gas	6.74%	19.16%	138.51%
UGA	Gasoline	3.42%	23.72%	85.18%
DBP	Precious Metals	0.73%	-3.24%	-1.41%
GLD	Gold	0.64%	-2.65%	0.74%
SLV	Silver	1.46%	-4.33%	-6.42%
PPLT	abrdn Physical Platin..	2.79%	6.31%	2.90%
PALL	abrdn Physical Palla..	0.32%	-13.10%	5.09%
DBB	Base Metals	-1.39%	-4.71%	1.75%
CPER	Copper	1.00%	-0.83%	-3.60%
LD	Lead	-1.24%	-6.58%	-6.78%
JJN	Nickel	-0.94%	-10.01%	37.27%
JJU	Aluminum	-2.36%	-9.46%	-2.96%
JJT	Tin	1.95%	-13.04%	-9.33%
DBA	Agriculture	-0.09%	-0.45%	11.24%
CORN	Corn	-2.66%	-8.37%	27.53%
SOYB	Soybeans	0.25%	-1.33%	23.96%
WEAT	Wheat	-4.38%	0.67%	41.95%
CANE	Sugar	0.36%	2.51%	6.74%
BAL	Cotton	-3.22%	-6.69%	25.13%
NIB	Cocoa	1.20%	-1.78%	-4.16%
JO	Coffee	3.43%	8.79%	6.99%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.77%	-0.54%	6.98%
UDN	Short Dollar	-0.84%	0.70%	-6.97%
FXE	Euro	-0.75%	0.87%	-6.77%
FXB	British Pound Sterling	-0.88%	-0.77%	-7.76%
FXF	Swiss Franc	-0.32%	0.94%	-5.77%
FXJ	Japanese Yen	-1.07%	-0.32%	-11.72%
FXC	Canadian Dollar	-0.08%	1.42%	-0.28%
FXA	Australian Dollar	0.03%	1.52%	-1.36%

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