

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

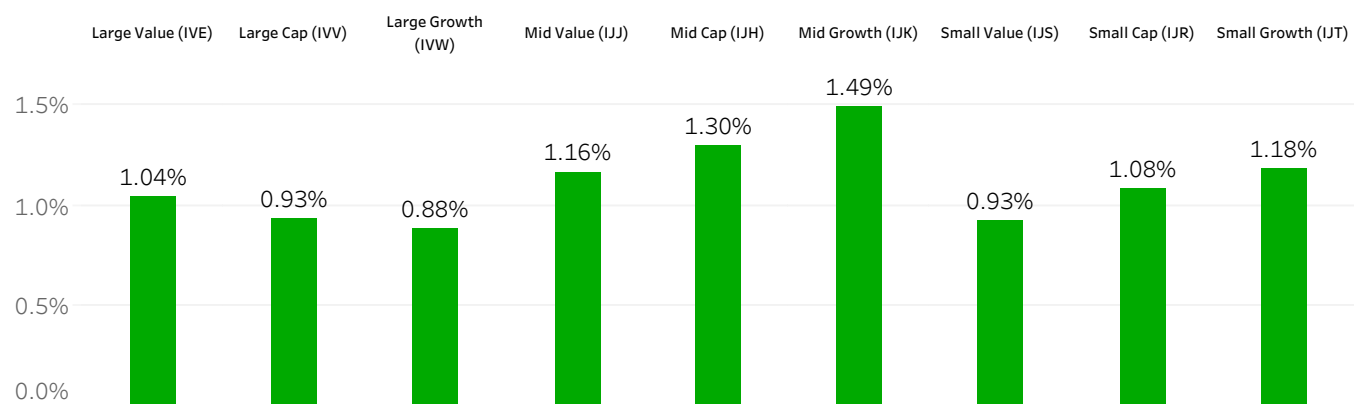


Small Cap Blend (S&P 600) IJR



■ 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	Performance
PABU	iShares Paris-Aligned Climate MSCI USA ETF	6.45%
FFTY	Innovator IBD 50 ETF	2.90%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	2.44%
IWC	iShares Micro-Cap ETF	2.12%
DWAS	Invesco DWA SmallCap Momentum ETF	1.95%
IPO	Renaissance IPO ETF	1.85%
FPX	First Trust US Equity Opportunities ETF	1.77%
LCG	Sterling Capital Focus Equity ETF	1.75%
VFMO	Vanguard U.S. Momentum Factor ETF	1.70%
IWO	iShares Russell 2000 Growth ETF	1.67%

Size & Style Most Overbought

Ticker	Fund	Value
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	64.64
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	64.47
AVUV	Avantis U.S. Small Cap Value ETF	64.33
XSMO	Invesco S&P SmallCap Momentum ETF	64.04
DIVZ	TrueShares Low Volatility Equity Income ETF	64.01
PABU	iShares Paris-Aligned Climate MSCI USA ETF	63.59
EQRR	ProShares Equities for Rising Rates ETF	63.43
DWAS	Invesco DWA SmallCap Momentum ETF	62.91
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	62.79
FFTY	Innovator IBD 50 ETF	62.75

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.07%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.03%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
PTNQ	Pacer Trendpilot 100 ETF	0.08%
TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	0.20%
CSB	VictoryShares US Small Cap High Dividend Volatility Wt..	0.30%
SMDV	ProShares Russell 2000 Dividend Growers ETF	0.32%
ACSI	American Customer Satisfaction ETF	0.33%
OUSM	OShares U.S. Small-Cap Quality Dividend ETF	0.38%
CSD	Invesco S&P Spin-Off ETF	0.43%

Size & Style Most Oversold

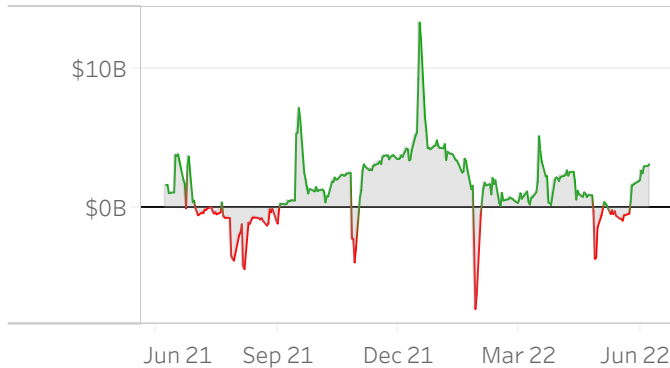
Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	43.01
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	46.56
PTMC	Pacer Trendpilot US Mid Cap ETF	47.07
QQH	HCM Defender 100 Index ETF	47.64
TMFS	Motley Fool Small-Cap Growth ETF	49.22
BUZZ	VanEck Social Sentiment ETF	49.83
LGH	HCM Defender 500 Index ETF	49.92
ALTL	Pacer Lunt Large Cap Alternator ETF	50.18
CGGR	Capital Group Growth ETF	50.45
SPLV	Invesco S&P 500 Low Volatility ETF	50.48

*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	\$1,233B	\$2.98B	\$4.33B	\$37.29B	\$139.59B
Large Cap, Beta Growth, Beta: Growth	10	\$223B	(\$0.20B)	\$6.68B	\$7.30B	\$18.49B
Large Cap, Beta Growth, Beta: Value	11	\$224B	(\$0.29B)	\$4.19B	\$17.92B	\$25.78B
Mid Cap, Beta, Beta	10	\$181B	\$0.36B	\$3.79B	\$7.44B	\$12.43B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.06B	\$0.35B	(\$0.13B)	\$0.57B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.15B)	(\$0.56B)	\$0.15B	(\$0.09B)
Small Cap, Beta, Beta	13	\$195B	(\$0.67B)	(\$6.04B)	(\$2.78B)	\$7.58B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.11B	\$0.54B	\$1.19B	\$1.80B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.12B	(\$2.73B)	(\$1.63B)	(\$2.08B)

U.S. Size & Style Flow Leaders

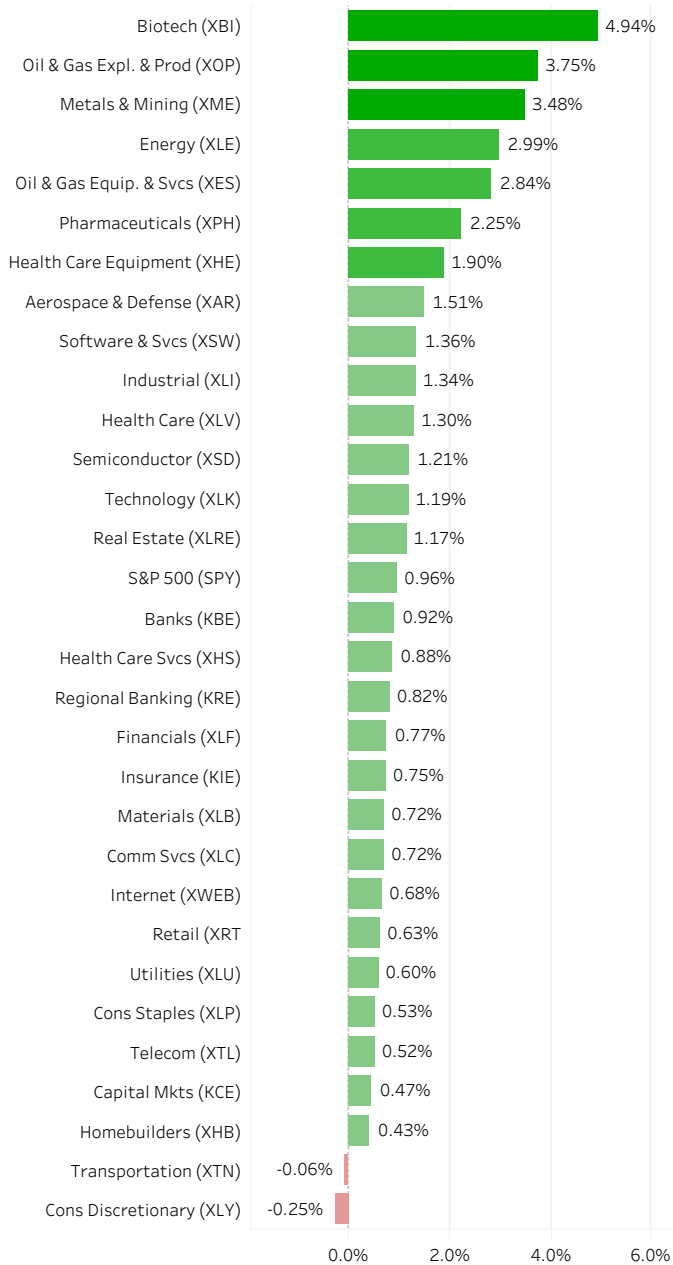
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$6.97B	\$7.22B	\$16.16B	\$36.15B	\$307.75B
VOO	Vanguard S&P 500 ETF	\$0.88B	(\$1.61B)	\$16.25B	\$41.35B	\$261.07B
QQQ	Invesco QQQ Trust	\$0.70B	\$3.09B	\$4.77B	\$24.53B	\$166.78B
VO	Vanguard Mid-Cap ETF	\$0.65B	\$1.86B	\$3.23B	\$6.95B	\$52.04B
VTI	Vanguard Total Stock Market ETF	\$0.61B	\$5.07B	\$14.31B	\$38.01B	\$266.31B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.58B	\$0.07B	(\$1.50B)	(\$1.92B)	\$10.90B
VTV	Vanguard Value ETF	\$0.37B	\$3.51B	\$13.11B	\$17.85B	\$102.15B
VXF	Vanguard Extended Market ETF	\$0.35B	\$0.22B	\$0.26B	\$0.96B	\$14.22B
SCHD	Schwab US Dividend Equity ETF	\$0.25B	\$1.96B	\$5.93B	\$10.80B	\$36.80B
COWZ	Pacer US Cash Cows 100 ETF	\$0.21B	\$3.51B	\$5.13B	\$5.60B	\$6.53B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$5.73B)	(\$6.69B)	(\$5.57B)	\$23.10B	\$371.82B
IWM	iShares Russell 2000 ETF	(\$0.71B)	(\$2.55B)	(\$4.06B)	(\$1.28B)	\$54.62B
VONV	Vanguard Russell 1000 Value ETF	(\$0.61B)	(\$0.57B)	(\$0.27B)	\$0.82B	\$6.57B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.34B)	\$0.00B	(\$0.34B)	(\$1.28B)	\$19.00B
IWF	iShares Russell 1000 Growth ETF	(\$0.33B)	\$1.01B	\$0.63B	\$1.57B	\$61.89B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.28B)	\$0.33B	(\$0.51B)	(\$0.94B)	\$26.89B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.25B)	\$0.04B	(\$1.00B)	(\$1.12B)	\$7.64B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.25B)	\$0.49B	\$1.47B	(\$0.54B)	\$28.78B
PWV	Invesco Dynamic Large Cap Value ETF	(\$0.18B)	(\$0.04B)	\$0.03B	\$0.02B	\$0.81B
IVW	iShares S&P 500 Growth ETF	(\$0.16B)	(\$0.23B)	(\$1.12B)	(\$0.17B)	\$30.56B

* 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%	101.09%	14.02%	40.28%	72.12
XLU	Utilities Select Sector SPDR Fund	-2.38%	18.82%	1.70%	8.02%	60.56
XLB	Materials Select Sector SPDR Fund	-2.75%	11.39%	2.30%	3.00%	59.19
XLP	Consumer Staples Select Sector SPDR Fund	-7.86%	7.91%	-2.88%	-0.01%	47.03
XLV	Health Care Select Sector SPDR Fund	-7.91%	5.66%	-1.41%	-0.94%	50.72
XLI	Industrial Select Sector SPDR Fund	-9.22%	8.36%	0.60%	-3.80%	58.60
SPY	SPDR S&P 500 ETF Trust	-12.97%	6.75%	-1.27%	-6.30%	53.69
XLRE	Real Estate Select Sector SPDR Fund	-14.65%	5.97%	-4.15%	-6.10%	49.15
XLF	Financial Select Sector SPDR Fund	-14.92%	7.05%	-1.12%	-7.67%	53.00
XLK	Technology Select Sector SPDR Fund	-19.80%	8.34%	-1.29%	-9.26%	53.19
XLY	Consumer Discretionary Select Sector SPDR Fund	-27.09%	11.85%	-6.12%	-16.14%	49.38
XLC	Communication Services Select Sector SPDR Fund	-29.87%	6.25%	-3.07%	-16.96%	51.02

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	4.94%
PXI	Invesco DWA Energy Momentum ETF	4.03%
PXE	Invesco Dynamic Energy Exploration & Production ..	4.01%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	3.75%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	3.55%
XME	SPDR S&P Metals & Mining ETF	3.48%
FENY	Fidelity MSCI Energy Index ETF	3.32%
FCG	First Trust Natural Gas ETF	3.25%
VDE	Vanguard Energy ETF	3.24%
PSCE	Invesco S&P SmallCap Energy ETF	3.24%

Sector & Industry Most Overbought

Ticker	Fund	Technical
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	76.42
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	75.83
PXE	Invesco Dynamic Energy Exploration & Production ETF	75.72
PSCE	Invesco S&P SmallCap Energy ETF	74.85
PXI	Invesco DWA Energy Momentum ETF	74.05
FCG	First Trust Natural Gas ETF	73.95
FXN	First Trust Energy AlphaDEX Fund	73.86
IYE	iShares U.S. Energy ETF	73.25
FENY	Fidelity MSCI Energy Index ETF	73.24
VDE	Vanguard Energy ETF	73.10

Sector & Industry 1 Day Performance Laggards

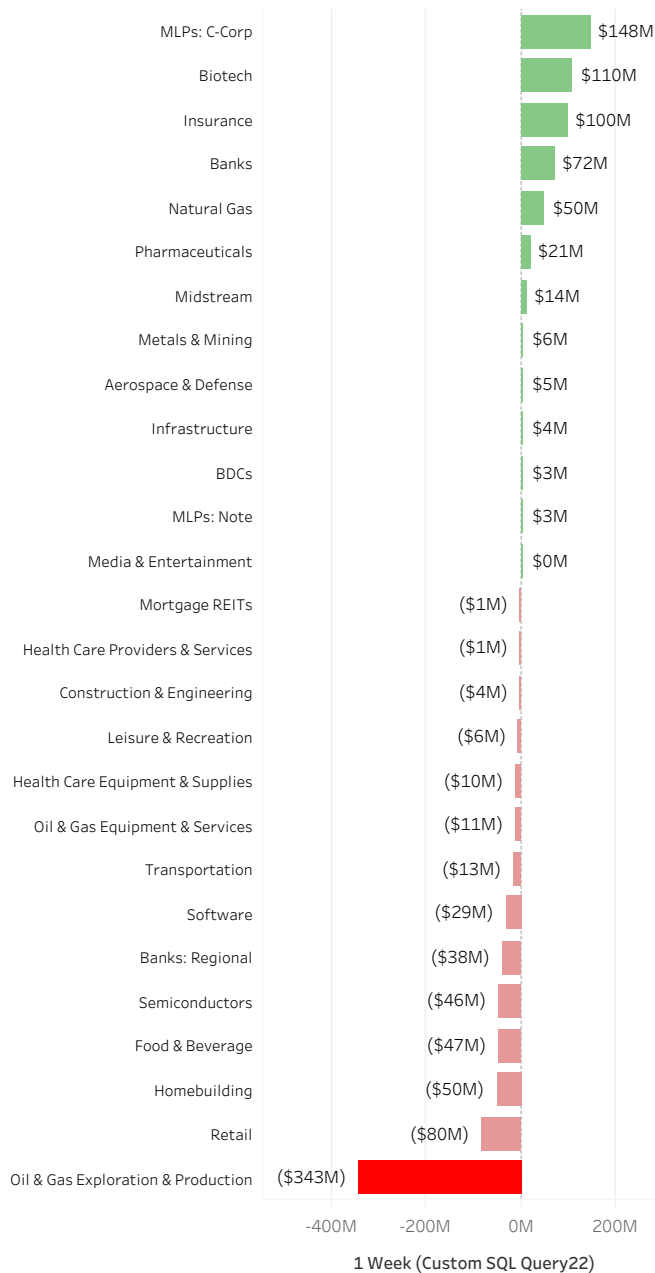
Ticker	Fund	1 Day Performance
XLY	Consumer Discretionary Select Sector SPDR Fund	-0.25%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	-0.19%
VCR	Vanguard Consumer Discretionary ETF	-0.15%
XTN	SPDR S&P Transportation ETF	-0.06%
IYC	iShares U.S. Consumer Discretionary ETF	0.08%
RCD	Invesco S&P 500 Equal Weight Consumer Discretionar..	0.13%
PBJ	Invesco Dynamic Food & Beverage ETF	0.15%
BIZD	VanEck BDC Income ETF	0.18%
ITB	iShares U.S. Home Construction ETF	0.33%
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	0.35%

Sector & Industry Most Oversold

Ticker	Fund	Technical
REZ	iShares Residential and Multisector Real Estate ETF	45.72
XLP	Consumer Staples Select Sector SPDR Fund	47.03
VDC	Vanguard Consumer Staples ETF	47.03
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	47.04
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	47.16
RWR	SPDR Dow Jones REIT ETF	47.17
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	47.24
IHF	iShares U.S. Healthcare Providers ETF	47.28
FTXG	First Trust Nasdaq Food & Beverage ETF	47.63
XHS	SPDR S&P Health Care Services ETF	47.76

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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	\$14B	(\$21M)	(\$426M)	(\$960M)	\$142M
Consumer Discretionary	13	\$24B	\$117M	(\$1,968M)	(\$5,014M)	(\$4,249M)
Consumer Staples	12	\$27B	(\$584M)	\$1,525M	\$5,734M	\$6,283M
Energy	34	\$89B	\$326M	(\$1,120M)	\$5,530M	\$4,291M
Financials	28	\$64B	\$311M	(\$11,433M)	(\$8,456M)	(\$10,556M)
Health Care	26	\$88B	\$306M	\$5,858M	\$9,547M	\$14,399M
Industrial	14	\$30B	\$43M	(\$1,967M)	(\$1,666M)	(\$6,472M)
Materials	10	\$19B	\$152M	\$1,451M	\$2,312M	(\$665M)
Multi-Sector	19	\$16B	(\$79M)	(\$2,269M)	(\$3,955M)	(\$2,517M)
Real Estate	24	\$72B	(\$488M)	(\$2,351M)	(\$1,021M)	\$4,404M
Technology	24	\$124B	(\$33M)	\$896M	(\$1,555M)	\$6,834M
Utilities	10	\$27B	\$254M	\$3,366M	\$3,726M	\$5,545M

U.S. Sector & Industry Flow Leaders

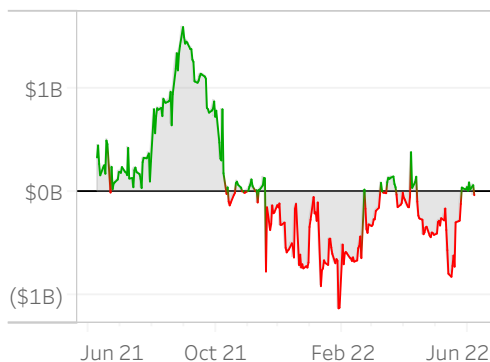
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$441M	(\$955M)	\$1,693M	\$1,168M	\$44,176M
VGT	Vanguard Information Technology ETF	\$314M	\$1,269M	\$376M	\$2,648M	\$44,509M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$225M	(\$572M)	(\$2,244M)	(\$1,229M)	\$16,082M
XLF	Financial Select Sector SPDR Fund	\$221M	(\$6,885M)	(\$4,650M)	(\$7,344M)	\$33,827M
XLU	Utilities Select Sector SPDR Fund	\$150M	\$2,324M	\$2,259M	\$3,691M	\$16,548M
AMLP	Alerian MLP ETF	\$133M	\$224M	\$701M	\$639M	\$7,210M
VHT	Vanguard Health Care ETF	\$114M	(\$234M)	\$64M	\$1,334M	\$15,683M
XLB	Materials Select Sector SPDR Fund	\$103M	\$321M	(\$30M)	(\$2,024M)	\$7,729M
KIE	SPDR S&P Insurance ETF	\$97M	\$7M	\$6M	\$6M	\$476M
XBI	SPDR S&P BIOTECH ETF	\$87M	\$805M	\$2,547M	\$2,828M	\$6,149M

U.S. Sector & Industry Flow Laggards

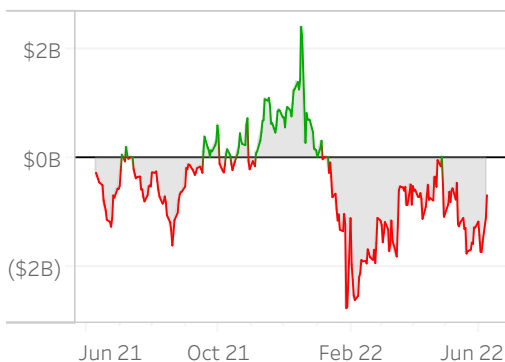
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$576M)	(\$316M)	\$3,052M	\$3,239M	\$15,448M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$288M)	(\$938M)	(\$36M)	(\$1,161M)	\$5,714M
VNQ	Vanguard Real Estate ETF	(\$284M)	(\$693M)	\$263M	\$2,581M	\$41,942M
XLK	Technology Select Sector SPDR Fund	(\$237M)	\$51M	\$207M	\$2,125M	\$41,571M
RWR	SPDR Dow Jones REIT ETF	(\$91M)	\$237M	\$173M	\$209M	\$1,964M
IYR	iShares U.S. Real Estate ETF	(\$83M)	(\$825M)	(\$851M)	(\$1,374M)	\$4,530M
XRT	SPDR S&P Retail ETF	(\$80M)	\$289M	(\$234M)	(\$138M)	\$425M
PXE	Invesco Dynamic Energy Exploration & Producti..	(\$76M)	\$38M	\$96M	\$145M	\$366M
PBJ	Invesco Dynamic Food & Beverage ETF	(\$58M)	\$131M	\$198M	\$198M	\$296M
XLC	Communication Services Select Sector SPDR Fu..	(\$47M)	(\$300M)	(\$700M)	(\$226M)	\$10,149M

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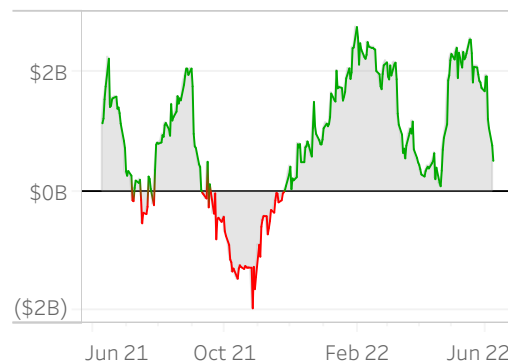
Communication Services



Consumer Discretionary



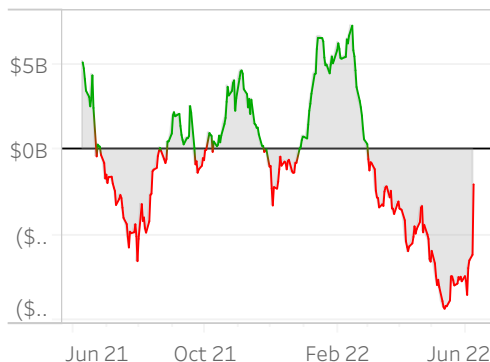
Consumer Staples



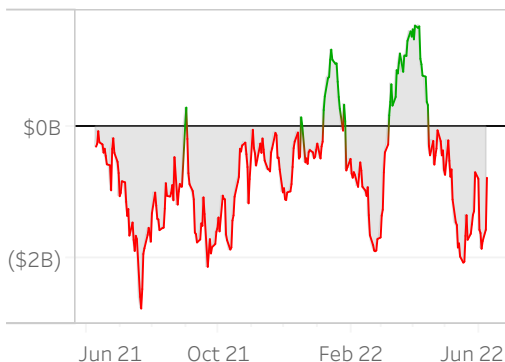
Energy



Financials



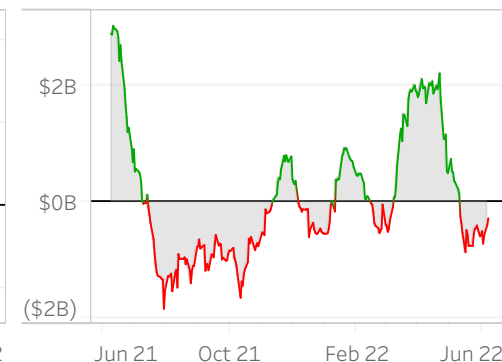
Industrial



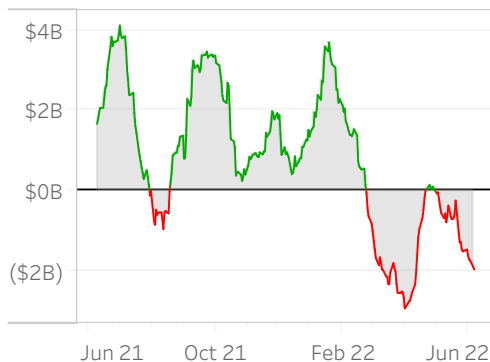
Health Care



Materials



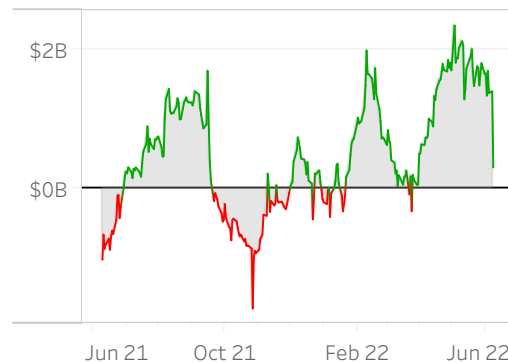
Real Estate



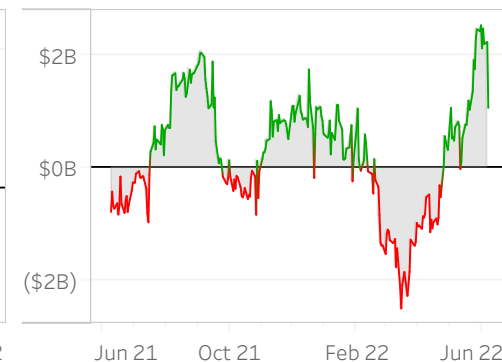
Technology



Utilities

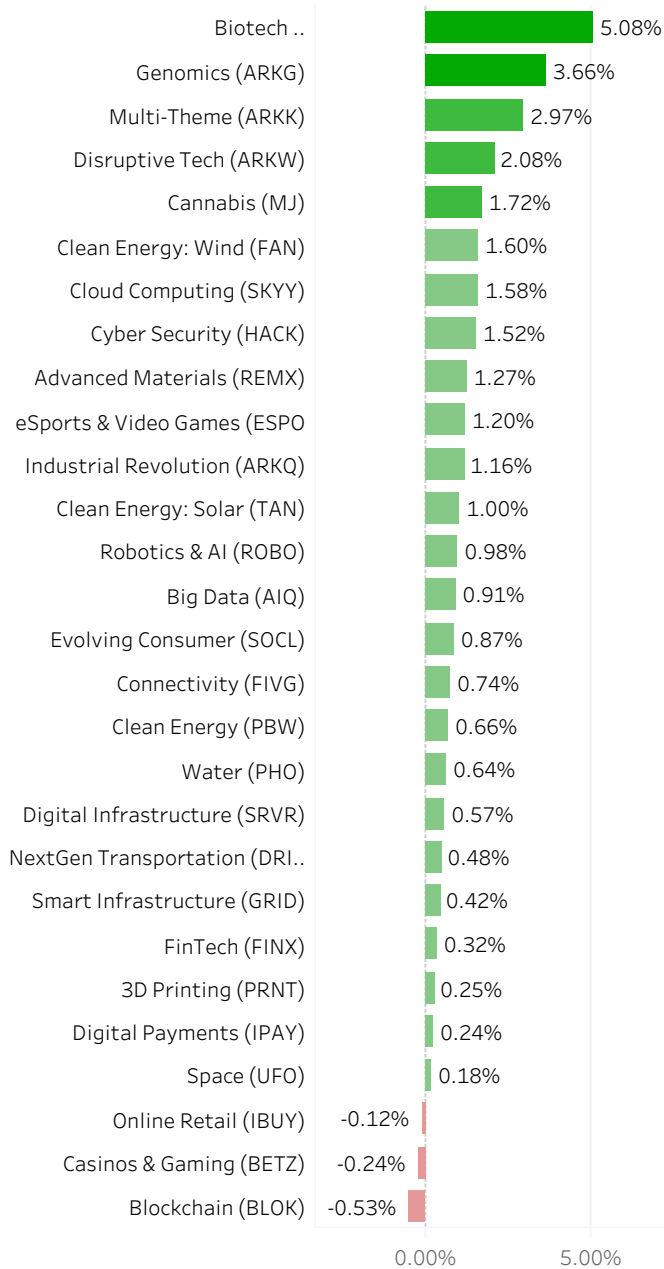


Multi-Sector

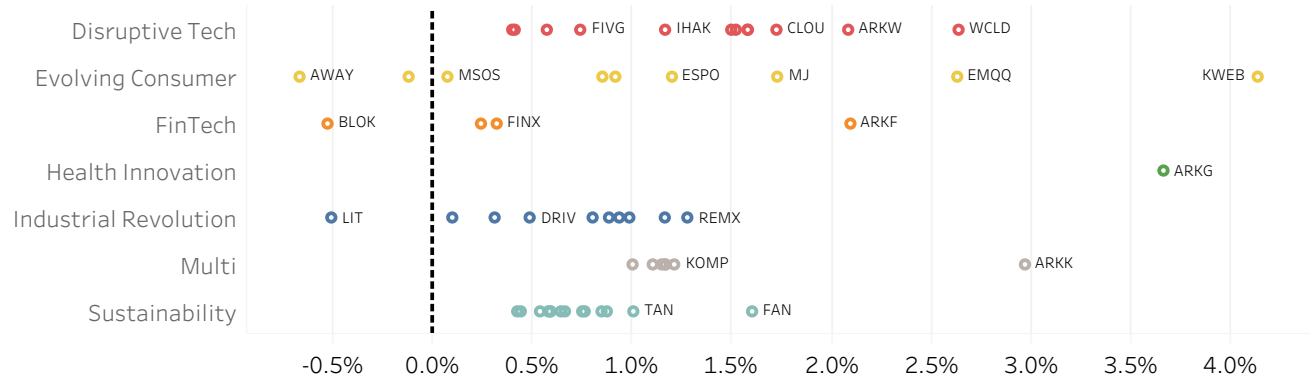


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
SBIO	ALPS Medical Breakthroughs ETF	5.08%
KWEB	KraneShares CSI China Internet ETF	4.13%
GNOM	Global X Genomics & Biotechnology ETF	3.87%
ARKG	ARK Genomic Revolution ETF	3.66%
BTEC	Principal Healthcare Innovators ETF	3.39%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	3.22%
ARKK	ARK Innovation ETF	2.97%
POTX	Global X Cannabis ETF	2.80%
WCLD	WisdomTree Cloud Computing Fund	2.63%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	2.63%

Thematic Most Overbought

Ticker	Fund	Value
TAN	Invesco Solar ETF	69.73
KSTR	KraneShares SSE STAR Market 50 Index ETF	67.88
KGRN	KraneShares MSCI China Clean Technology Index ETF	66.23
KWEB	KraneShares CSI China Internet ETF	65.73
CNRG	SPDR S&P Kensho Clean Power ETF	65.60
ICLN	iShares Global Clean Energy ETF	64.48
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	62.94
FAN	First Trust Global Wind Energy ETF	62.63
EVX	VanEck Environmental Services ETF	62.25
LIT	Global X Lithium & Battery Tech ETF	61.44

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BKCH	Global X Blockchain ETF	-1.76%
AWAY	ETFMG Travel Tech ETF	-0.67%
BLOK	Amplify Transformational Data Sharing ETF	-0.53%
LIT	Global X Lithium & Battery Tech ETF	-0.51%
BETZ	Roundhill Sports Betting & iGaming ETF	-0.24%
CTEC	Global X CleanTech ETF	-0.20%
BJK	VanEck Gaming ETF	-0.19%
HDRO	Defiance Next Gen H2 ETF	-0.15%
IBUY	Amplify Online Retail ETF	-0.12%
BITQ	Bitwise Crypto Industry Innovators ETF	0.00%

Thematic Most Oversold

Ticker	Fund	Value
POTX	Global X Cannabis ETF	36.19
YOLO	AdvisorShares Pure Cannabis ETF	36.23
CNBS	Amplify Seymour Cannabis ETF	37.49
BKCH	Global X Blockchain ETF	38.14
MJ	ETFMG Alternative Harvest ETF	39.46
BITQ	Bitwise Crypto Industry Innovators ETF	39.73
BLOK	Amplify Transformational Data Sharing ETF	42.48
MSOS	AdvisorShares Pure US Cannabis ETF	43.81
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	47.34
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	47.78

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$68M
ARKF	ARK Fintech Innovation ETF	\$13M
CNRG	SPDR S&P Kensho Clean Power ETF	\$10M
TARK	AXS 2X Innovation ETF	\$8M
XITK	SPDR FactSet Innovative Technology ETF	\$8M
FINX	Global X FinTech ETF	\$7M
BITQ	Bitwise Crypto Industry Innovators ETF	\$3M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$3M
LIT	Global X Lithium & Battery Tech ETF	\$3M
WCLD	WisdomTree Cloud Computing Fund	\$2M

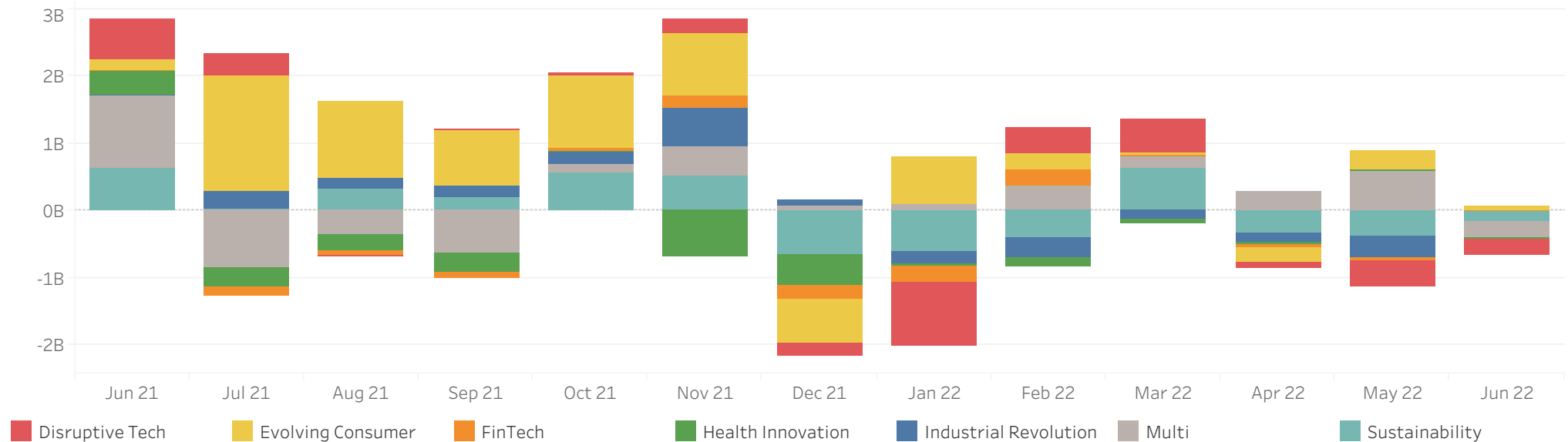
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$231M)
NXTG	First Trust Indxx NextG ETF	(\$160M)
PBW	Invesco WilderHill Clean Energy ETF	(\$65M)
ACES	ALPS Clean Energy ETF	(\$35M)
ICLN	iShares Global Clean Energy ETF	(\$32M)
SKYY	First Trust Cloud Computing ETF	(\$25M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$22M)
ARKG	ARK Genomic Revolution ETF	(\$16M)
CLOU	Global X Cloud Computing ETF	(\$14M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$13M)

Thematic Landscape Assets & Flows

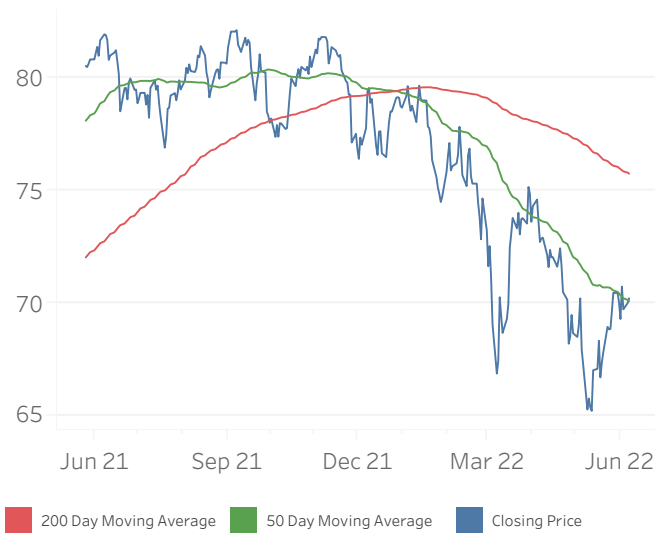
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$20B	(\$212M)	(\$583M)	(\$948M)	\$246M
Evolving Consumer	48	\$12B	\$52M	\$530M	\$459M	\$6,306M
FinTech	24	\$4B	(\$9M)	(\$61M)	(\$226M)	(\$313M)
Health Innovation	19	\$3B	\$11M	(\$8M)	(\$628M)	(\$1,832M)
Industrial Revolution	32	\$13B	(\$28M)	(\$623M)	(\$1,030M)	\$353M
Multi	42	\$16B	(\$188M)	\$676M	\$1,357M	\$1,132M
Sustainability	41	\$19B	(\$83M)	(\$436M)	(\$1,610M)	\$358M
Grand Total	241	\$86B	(\$457M)	(\$507M)	(\$2,626M)	\$6,250M

Thematic Monthly Flows

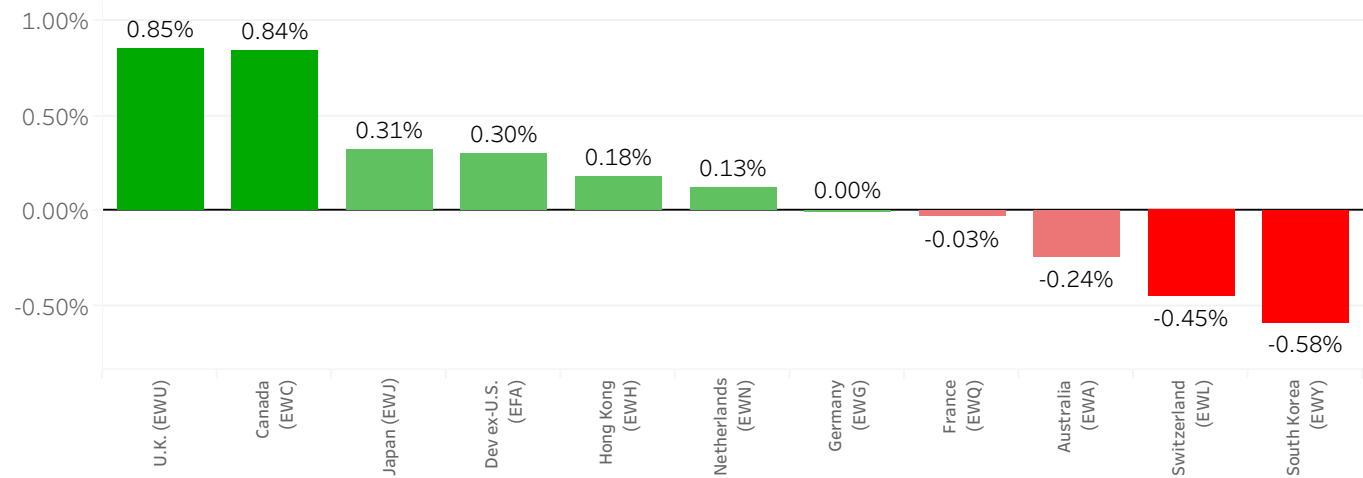


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

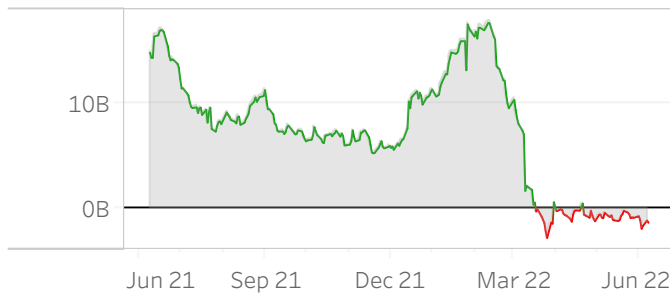
Developed ex-U.S. (EFA)



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



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



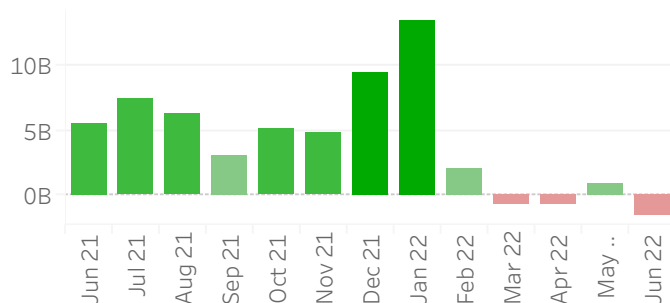
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DXJ	WisdomTree Japan Hedged Equity Fund	1.20%
EDEN	iShares MSCI Denmark ETF	1.12%
EWS	iShares MSCI Singapore ETF	1.05%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.90%
EWJV	iShares MSCI Japan Value ETF	0.87%
EWU	iShares MSCI United Kingdom ETF	0.85%
EWC	iShares MSCI Canada ETF	0.84%
BBCA	JPMorgan BetaBuilders Canada ETF	0.81%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	0.81%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.77%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	65.55
IVAL	Alpha Architect International Quantitative Value ETF	64.12
EWJ	iShares MSCI Hong Kong ETF	62.87
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	62.57
HEWJ	iShares Currency Hedged MSCI Japan ETF	62.32
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	61.93
EWO	iShares MSCI Austria ETF	61.85
FYLD	Cambria Foreign Shareholder Yield ETF	61.80
DFIV	Dimensional International Value ETF	61.61
IDOG	ALPS International Sector Dividend Dogs ETF	61.38

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	-1.36%
EWY	iShares MSCI South Korea ETF	-0.58%
ENZL	iShares MSCI New Zealand ETF	-0.56%
FLKR	Franklin FTSE South Korea ETF	-0.52%
EWL	iShares MSCI Switzerland ETF	-0.45%
EWO	iShares MSCI Austria ETF	-0.41%
WPS	iShares International Developed Property ETF	-0.39%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	-0.30%
FLSW	Franklin FTSE Switzerland ETF	-0.28%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-0.27%

Developed ex-U.S. Most Oversold

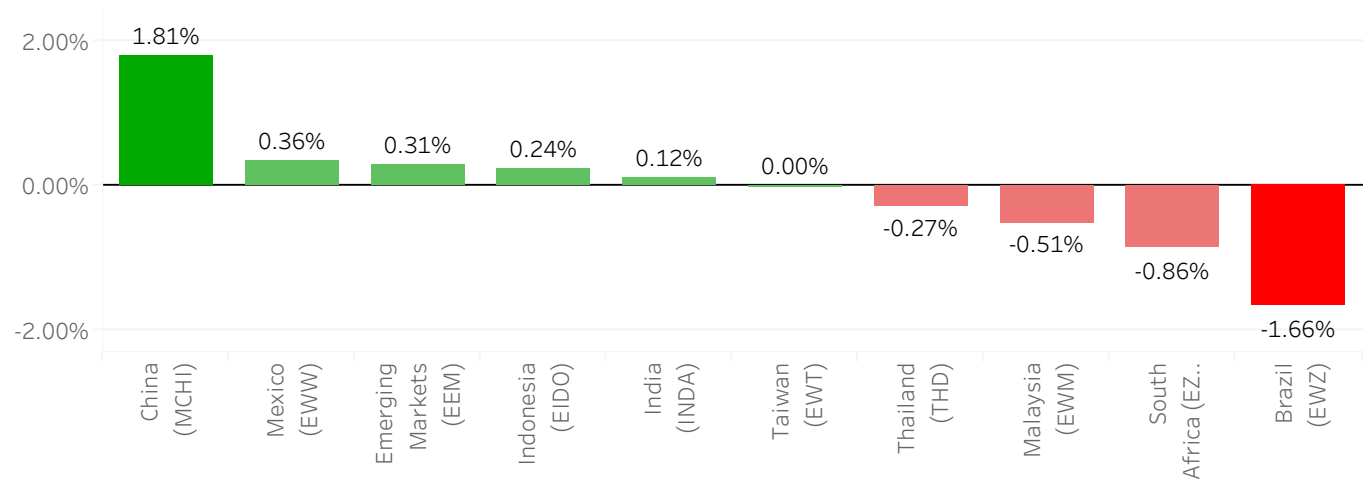
Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	39.51
FLSW	Franklin FTSE Switzerland ETF	44.26
EWL	iShares MSCI Switzerland ETF	44.83
WPS	iShares International Developed Property ETF	44.91
EFAD	ProShares MSCI EAFE Dividend Growers ETF	45.54
EFV	iShares MSCI EAFE Min Vol Factor ETF	45.91
ENZL	iShares MSCI New Zealand ETF	47.33
QEFA	SPDR MSCI EAFE StrategicFactors ETF	47.76
EFAX	SPDR MSCI EAFE Fossil Fuel Free ETF	48.12
QLVD	FlexShares Developed Markets ex-US Quality Low V..	48.19

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

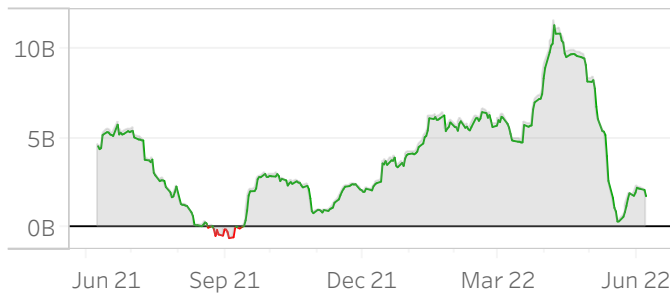
Emerging (EEM)



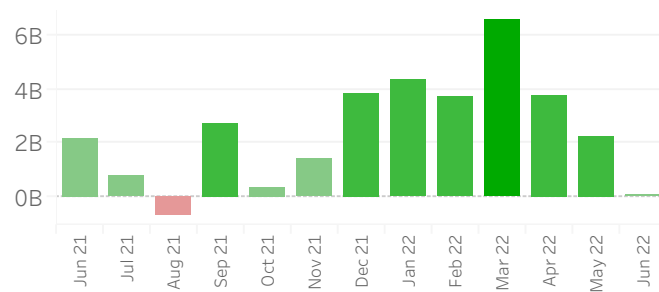
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	3.21%
FNI	First Trust Chindia ETF	2.39%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	2.19%
RAYC	Rayliant Quantamental China Equity ETF	2.15%
FLCH	Franklin FTSE China ETF	1.95%
ECNS	iShares MSCI China Small-Cap ETF	1.83%
MCHI	iShares MSCI China ETF	1.81%
GXC	SPDR S&P China ETF	1.76%
QAT	iShares MSCI Qatar ETF	1.69%
FXI	iShares China Large-Cap ETF	1.53%

Emerging Most Overbought

Ticker	Fund	Price
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	65.65
PGJ	Invesco Golden Dragon China ETF	65.39
FNI	First Trust Chindia ETF	64.94
FLCH	Franklin FTSE China ETF	64.67
FXI	iShares China Large-Cap ETF	64.49
MCHI	iShares MSCI China ETF	64.32
GXC	SPDR S&P China ETF	64.26
CNYA	iShares MSCI China A ETF	63.61
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	62.96
ECH	iShares MSCI Chile ETF	62.70

Emerging 1-Day Performance Laggards

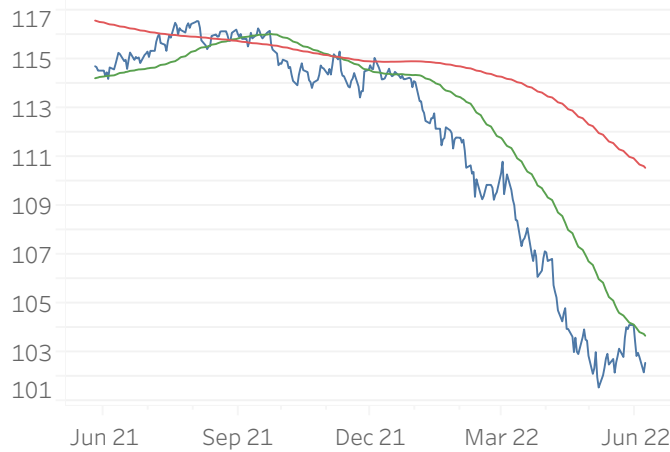
Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.88%
FLN	First Trust Latin America AlphaDEX Fund	-1.86%
FLBR	Franklin FTSE Brazil ETF	-1.76%
EWZ	iShares MSCI Brazil ETF	-1.66%
EZA	iShares MSCI South Africa ETF	-0.86%
FRDM	Freedom 100 Emerging Markets ETF	-0.69%
ILF	iShares Latin America 40 ETF	-0.68%
ECH	iShares MSCI Chile ETF	-0.53%
EWM	iShares MSCI Malaysia ETF	-0.51%
KSA	iShares MSCI Saudi Arabia ETF	-0.48%

Emerging Most Oversold

Ticker	Fund	Price
EWM	iShares MSCI Malaysia ETF	36.76
EWZS	iShares MSCI Brazil Small-Cap ETF	42.13
GLIN	VanEck India Growth Leaders ETF	42.48
KSA	iShares MSCI Saudi Arabia ETF	42.88
FM	iShares MSCI Frontier and Select EM ETF	43.09
EDIV	SPDR S&P Emerging Markets Dividend ETF	43.22
VNM	VanEck Vietnam ETF	44.74
SMIN	iShares MSCI India Small Cap ETF	44.91
QAT	iShares MSCI Qatar ETF	44.94
EPHE	iShares MSCI Philippines ETF	46.08

*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	0.38%	1.18%	-9.36%
SHY	1-3 Year Treasury Bonds	0.01%	0.25%	-2.72%
IEF	7-10 Year Treasury Bonds	0.40%	1.23%	-10.64%
TLT	20+ Year Treasury Bonds	1.08%	1.46%	-21.71%
TIP	TIPS Bonds	0.24%	0.86%	-5.91%
FLOT	Floating Rate Bonds	0.02%	-0.43%	-0.60%
LQD	Investment Grade Corporate	0.53%	2.21%	-13.82%
HYG	High Yield Corporate	0.23%	1.22%	-8.35%
BKLN	Senior Loan	0.19%	-0.04%	-2.39%
PFF	Preferred & Income Securities	0.58%	4.97%	-10.55%
MUB	Municipal Bonds	-0.03%	1.94%	-6.68%
MBB	MBS	0.41%	1.38%	-7.90%
EMB	Dollar Denominated EM Bonds	0.59%	1.48%	-15.59%
LEMB	Local Currency EM Bond	0.04%	1.73%	-10.22%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.51%	5.32%	43.55%
DBE	Energy	1.25%	11.04%	74.94%
USO	WTI Crude Oil	1.87%	9.63%	65.64%
BNO	Brent Crude Oil	1.46%	9.19%	69.25%
UNG	Natural Gas	-0.03%	14.60%	153.96%
UGA	Gasoline	-0.89%	14.55%	89.48%
DBP	Precious Metals	0.55%	-1.47%	-0.77%
GLD	Gold	0.65%	-1.41%	1.16%
SLV	Silver	0.74%	-0.68%	-4.60%
PPLT	abrdn Physical Platin..	-1.27%	5.42%	4.78%
PALL	abrdn Physical Palla..	-1.02%	-2.48%	4.51%
DBB	Base Metals	-0.65%	1.28%	2.92%
CPER	Copper	0.35%	4.76%	-0.86%
LD	Lead	-1.49%	-1.31%	-2.81%
JJN	Nickel	0.87%	-0.07%	44.84%
JJU	Aluminum	1.09%	-1.61%	-0.90%
JJT	Tin	2.36%	-9.70%	-6.27%
DBA	Agriculture	-0.23%	1.24%	11.95%
CORN	Corn	2.00%	-1.42%	32.40%
SOYB	Soybeans	0.46%	3.13%	25.93%
WEAT	Wheat	-1.25%	0.64%	49.80%
CANE	Sugar	-2.62%	1.15%	5.11%
BAL	Cotton	-3.90%	-4.93%	27.63%
NIB	Cocoa	-0.43%	1.33%	-5.18%
JO	Coffee	-0.87%	11.07%	3.63%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.11%	-1.37%	6.63%
UDN	Short Dollar	0.03%	1.40%	-6.82%
FXE	Euro	0.11%	1.45%	-6.29%
FXB	British Pound Sterling	0.48%	2.04%	-6.95%
FXF	Swiss Franc	-0.17%	1.53%	-6.71%
FXJ	Japanese Yen	-0.59%	-1.66%	-13.41%
FXC	Canadian Dollar	0.42%	2.80%	0.72%
FXA	Australian Dollar	0.59%	2.14%	-0.54%

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