

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

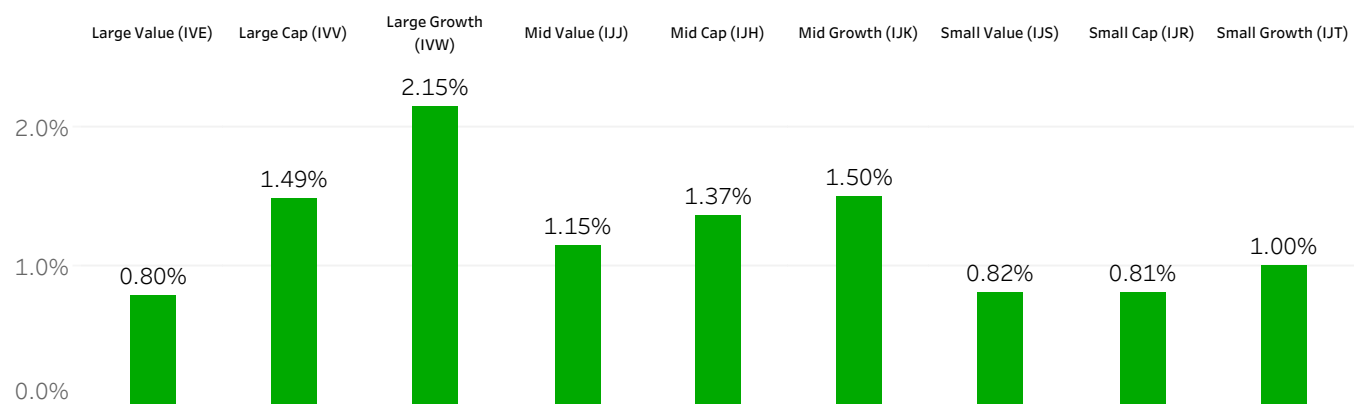


Small Cap Blend (S&P 600) IJR



■ 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
EQRR	ProShares Equities for Rising Rates ETF	2.71%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	2.65%
WINN	Harbor Long-Term Growers ETF	2.48%
MGK	Vanguard Mega Cap Growth ETF	2.37%
TMFC	Motley Fool 100 Index ETF	2.34%
LCG	Sterling Capital Focus Equity ETF	2.15%
SPYG	SPDR Portfolio S&P 500 Growth ETF	2.15%
IVW	iShares S&P 500 Growth ETF	2.15%
VOOG	Vanguard S&P 500 Growth ETF	2.14%
IWY	iShares Russell Top 200 Growth ETF	2.14%

Size & Style Most Overbought

Ticker	Fund	Price
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	79.34
ACSI	American Customer Satisfaction ETF	78.91
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	75.92
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	74.16
XSMO	Invesco S&P SmallCap Momentum ETF	73.89
OSCV	Opus Small Cap Value ETF	73.83
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	73.76
XSLV	Invesco S&P SmallCap Low Volatility ETF	73.30
XMMO	Invesco S&P MidCap Momentum ETF	72.05
XMLV	Invesco S&P MidCap Low Volatility ETF	71.87

Size & Style 1-Day Performance Laggards

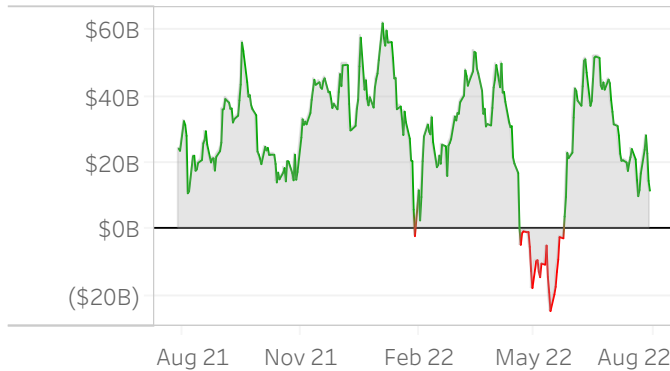
Ticker	Fund	1-Day Performance
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.04%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.03%
LFEQ	VanEck Long/Flat Trend ETF	0.01%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.02%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.16%
AIVL	WisdomTree U.S. AI Enhanced Value Fund	0.22%
SIXL	ETC 6 Meridian Low Beta Equity ETF	0.24%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	0.24%
SIXS	ETC 6 Meridian Small Cap Equity ETF	0.25%
SMMV	iShares MSCI USA Small-Cap Min Vol Factor ETF	0.28%

Size & Style Most Oversold

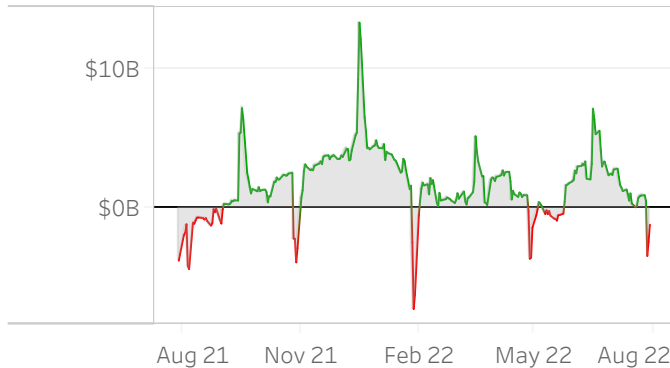
Ticker	Fund	Price
LFEQ	VanEck Long/Flat Trend ETF	46.13
PTLC	Pacer Trendpilot US Large Cap ETF	46.40
PTMC	Pacer Trendpilot US Mid Cap ETF	47.70
RUFF	Alpha Dog ETF	50.32
LGH	HCM Defender 500 Index ETF	51.16
QQH	HCM Defender 100 Index ETF	53.95
IPO	Renaissance IPO ETF	54.25
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd..	55.70
ABEQ	Absolute Core Strategy ETF	56.82
DUSA	Davis Select U.S. Equity ETF	56.90

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

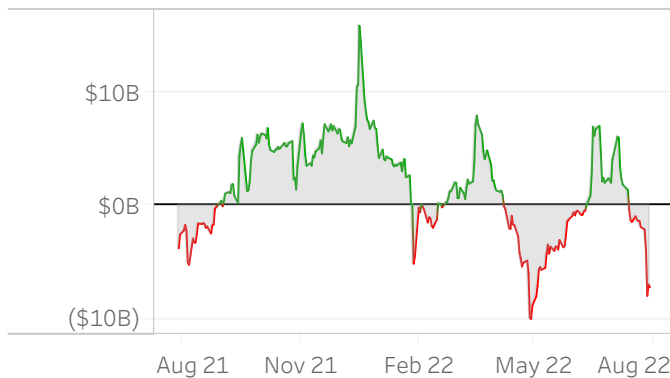
Large-Cap 30-Day Rolling Flows



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	\$1,235B	\$0.60B	\$37.13B	\$48.19B	\$123.64B
Large Cap, Beta Growth, Beta: Growth	10	\$231B	\$0.84B	\$8.66B	\$12.73B	\$16.51B
Large Cap, Beta Growth, Beta: Value	11	\$216B	\$0.02B	\$4.30B	\$13.46B	\$26.50B
Mid Cap, Beta, Beta	10	\$177B	\$0.38B	\$2.50B	\$5.42B	\$12.91B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.09B	\$0.61B	\$0.15B	\$0.70B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.34B	\$0.36B	(\$0.07B)	\$1.22B
Small Cap, Beta, Beta	13	\$192B	\$0.30B	(\$2.72B)	(\$4.80B)	\$7.12B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.39B	\$0.99B	\$1.16B	\$1.71B
Small Cap, Beta, Beta: Value	7	\$50B	(\$0.31B)	(\$1.02B)	(\$4.58B)	(\$2.57B)

U.S. Size & Style Flow Leaders

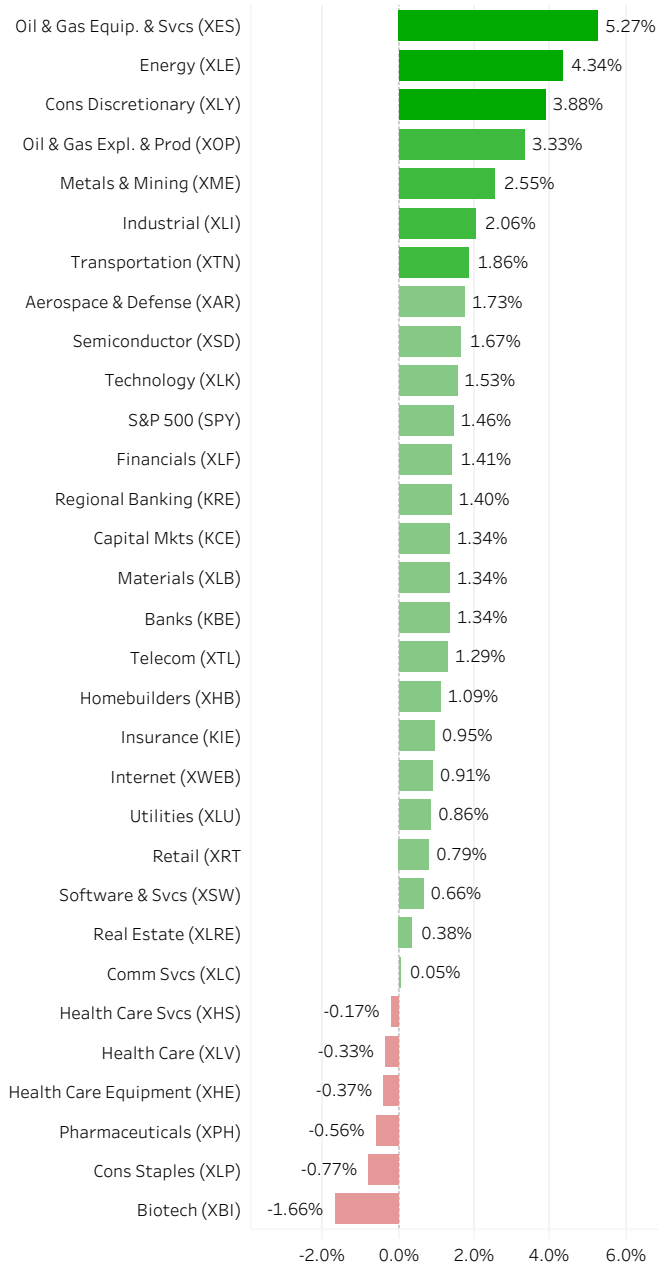
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SDY	SPDR S&P Dividend ETF	\$1.49B	\$0.01B	\$1.40B	\$2.44B	\$23.41B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	\$1.46B	\$3.29B	\$3.46B	\$4.18B	\$9.39B
VOO	Vanguard S&P 500 ETF	\$1.17B	\$14.84B	\$25.11B	\$44.48B	\$267.50B
SPHD	Invesco S&P 500 High Dividend Low Volatility ..	\$0.75B	\$1.24B	\$0.88B	\$1.15B	\$4.70B
IJR	iShares Core S&P Small Cap ETF	\$0.70B	\$0.55B	\$0.80B	\$5.34B	\$67.55B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.45B	\$1.52B	\$1.94B	\$2.26B	\$14.08B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$0.38B	\$0.00B	(\$0.55B)	(\$0.76B)	\$7.61B
IJT	iShares S&P Small-Cap 600 Growth ETF	\$0.38B	\$0.41B	\$0.32B	\$0.10B	\$5.65B
VTI	Vanguard Total Stock Market ETF	\$0.37B	\$4.21B	\$10.36B	\$35.26B	\$265.64B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.33B	\$1.34B	\$1.69B	\$2.87B	\$10.86B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$0.61B)	\$1.20B	(\$6.52B)	\$15.45B	\$367.92B
IWM	iShares Russell 2000 ETF	(\$0.55B)	(\$1.92B)	(\$4.46B)	(\$2.75B)	\$53.21B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.42B)	\$2.59B	\$2.72B	\$5.29B	\$42.89B
QQQ	Invesco QQQ Trust	(\$0.40B)	\$3.40B	\$8.80B	\$18.56B	\$171.21B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.31B)	\$0.14B	(\$0.84B)	(\$0.96B)	\$7.35B
IWB	iShares Russell 1000 ETF	(\$0.24B)	\$0.90B	\$0.76B	\$0.19B	\$27.97B
VIG	Vanguard Dividend Appreciation ETF	(\$0.24B)	\$0.65B	\$2.11B	\$4.35B	\$63.47B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.17B)	(\$2.51B)	(\$3.59B)	(\$5.82B)	\$9.12B
IWD	iShares Russell 1000 Value ETF	(\$0.12B)	\$0.49B	(\$0.62B)	\$1.22B	\$53.04B
HDV	iShares Core High Dividend ETF	(\$0.11B)	\$3.05B	\$4.83B	\$5.07B	\$12.44B

\* 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)
XLU	Utilities Select Sector SPDR Fund	-3.91%	16.35%	4.78%	5.46%	69.15
XLV	Health Care Select Sector SPDR Fund	-7.30%	10.43%	2.95%	0.13%	59.22
XLP	Consumer Staples Select Sector SPDR Fund	-7.55%	8.27%	2.60%	-0.02%	61.13
XLI	Industrial Select Sector SPDR Fund	-10.72%	11.86%	6.26%	-3.05%	71.41
SPY	SPDR S&P 500 ETF Trust	-13.76%	12.61%	5.34%	-4.81%	66.81
XLB	Materials Select Sector SPDR Fund	-13.77%	10.15%	0.24%	-7.20%	61.89
XLRE	Real Estate Select Sector SPDR Fund	-14.42%	14.13%	5.96%	-3.81%	71.21
XLE	Energy Select Sector SPDR Fund	-15.02%	71.26%	0.83%	12.24%	62.09
XLK	Technology Select Sector SPDR Fund	-18.36%	16.79%	8.16%	-4.91%	66.99
XLF	Financial Select Sector SPDR Fund	-18.61%	9.66%	2.93%	-8.84%	62.57
XLY	Consumer Discretionary Select Sector SPDR Fund	-22.98%	20.95%	11.35%	-7.66%	68.46
XLC	Communication Services Select Sector SPDR Fund	-34.49%	6.20%	-0.29%	-16.64%	51.00

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	5.27%
PSCE	Invesco S&P SmallCap Energy ETF	4.41%
XLE	Energy Select Sector SPDR Fund	4.34%
VDE	Vanguard Energy ETF	4.31%
FENY	Fidelity MSCI Energy Index ETF	4.27%
IYE	iShares U.S. Energy ETF	4.26%
XLY	Consumer Discretionary Select Sector SPDR Fund	3.88%
VCR	Vanguard Consumer Discretionary ETF	3.79%
FTXN	First Trust Nasdaq Oil & Gas ETF	3.71%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	3.70%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
AIRR	First Trust RBA American Industrial Renaissance ETF	77.22
IGN	iShares North American Tech-Multimedia Networking E..	76.01
PAVE	Global X U.S. Infrastructure Development ETF	75.94
NURE	Nuveen Short-Term REIT ETF	74.74
PSCI	Invesco S&P SmallCap Industrials ETF	74.38
PRN	Invesco DWA Industrials Momentum ETF	74.33
REZ	iShares Residential and Multisector Real Estate ETF	74.22
JPRE	JPMorgan Realty Income ETF	73.90
FRI	First Trust S&P REIT Index Fund	73.41
IFRA	iShares U.S. Infrastructure ETF	73.40

## Sector & Industry 1 Day Performance Laggards

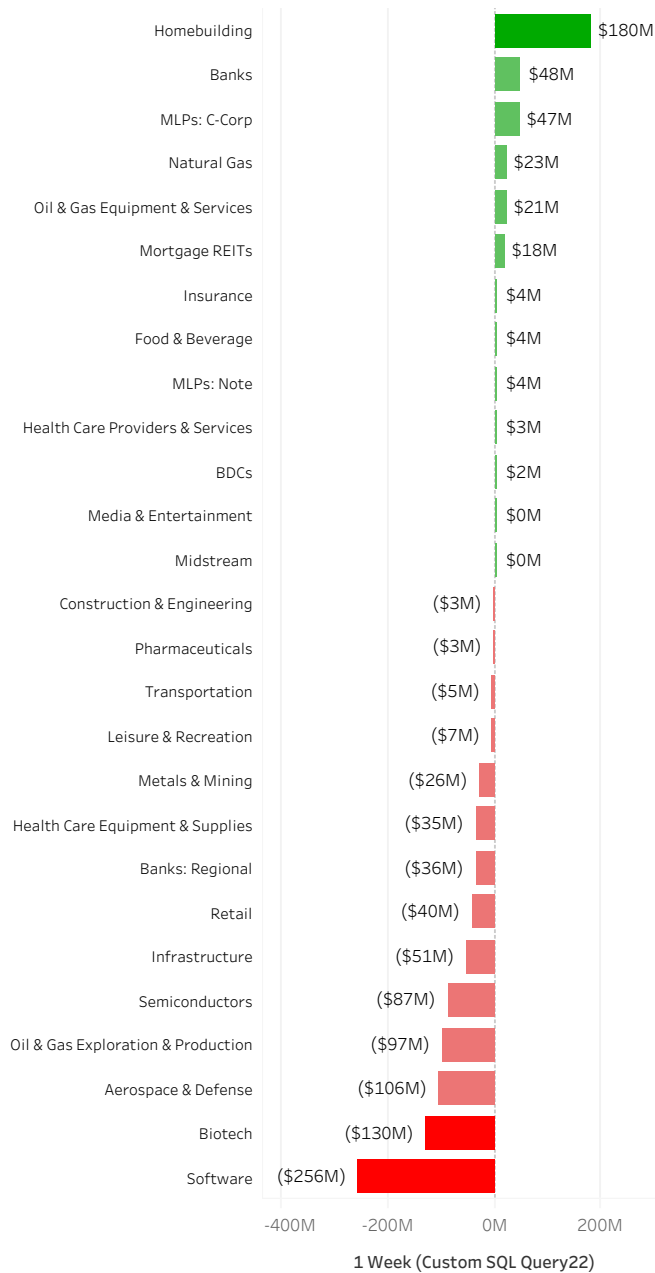
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-1.66%
IYZ	iShares U.S. Telecommunications ETF	-1.08%
IYK	iShares U.S. Consumer Staples ETF	-0.96%
IHI	iShares U.S. Medical Devices ETF	-0.94%
XLP	Consumer Staples Select Sector SPDR Fund	-0.77%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPL..	-0.60%
VDC	Vanguard Consumer Staples ETF	-0.58%
XPH	SPDR S&P Pharmaceuticals ETF	-0.56%
PSCH	Invesco S&P SmallCap Health Care ETF	-0.54%
IHE	iShares U.S. Pharmaceuticals ETF	-0.43%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	39.70
IYZ	iShares U.S. Telecommunications ETF	47.74
PJP	Invesco Dynamic Pharmaceuticals ETF	49.17
IHE	iShares U.S. Pharmaceuticals ETF	49.39
XLC	Communication Services Select Sector SPDR Fund	51.00
FCOM	Fidelity MSCI Communication Services Index ETF	51.01
VOX	Vanguard Communication Services ETF	51.37
IAK	iShares U.S. Insurance ETF	51.42
XPH	SPDR S&P Pharmaceuticals ETF	51.48
XBI	SPDR S&P BIOTECH ETF	53.26

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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	(\$17M)	(\$285M)	(\$582M)	(\$595M)
Consumer Discretionary	13	\$23B	(\$47M)	(\$2,209M)	(\$4,666M)	(\$5,129M)
Consumer Staples	12	\$28B	\$65M	(\$59M)	\$3,038M	\$5,261M
Energy	34	\$72B	\$645M	(\$4,644M)	(\$2,741M)	\$1,331M
Financials	28	\$57B	\$304M	(\$10,127M)	(\$18,323M)	(\$9,098M)
Health Care	26	\$94B	\$229M	\$3,276M	\$7,471M	\$13,034M
Industrial	14	\$28B	(\$245M)	(\$2,967M)	(\$2,664M)	(\$5,870M)
Materials	10	\$14B	(\$73M)	(\$2,466M)	(\$431M)	(\$1,625M)
Multi-Sector	19	\$15B	\$91M	(\$328M)	(\$4,617M)	(\$3,533M)
Real Estate	24	\$70B	(\$210M)	(\$3,097M)	(\$5,226M)	\$2,313M
Technology	24	\$125B	\$201M	(\$256M)	(\$111M)	\$4,377M
Utilities	10	\$27B	(\$306M)	\$1,580M	\$3,720M	\$4,960M

## U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$793M	(\$1,271M)	(\$2,207M)	\$49M	\$35,485M
XLK	Technology Select Sector SPDR Fund	\$481M	(\$78M)	\$762M	\$1,727M	\$42,670M
XLF	Financial Select Sector SPDR Fund	\$274M	(\$6,478M)	(\$11,093M)	(\$5,908M)	\$29,779M
XLV	Health Care Select Sector SPDR Fund	\$237M	\$2,473M	\$5,481M	\$7,980M	\$40,077M
ITB	iShares U.S. Home Construction ETF	\$102M	\$64M	(\$659M)	(\$518M)	\$1,549M
XHB	SPDR S&P Homebuilders ETF	\$78M	(\$64M)	(\$746M)	(\$375M)	\$1,121M
VGT	Vanguard Information Technology ETF	\$74M	\$620M	\$1,417M	\$2,053M	\$45,327M
VHT	Vanguard Health Care ETF	\$73M	(\$301M)	\$235M	\$1,264M	\$16,755M
IYH	iShares U.S. Healthcare ETF	\$55M	\$190M	\$122M	\$337M	\$3,085M
AML	Alerian MLP ETF	\$46M	\$33M	\$369M	\$419M	\$6,540M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	(\$270M)	\$1,023M	\$2,352M	\$3,032M	\$16,598M
IGV	iShares Expanded Tech-Software Sector ETF	(\$254M)	\$187M	(\$354M)	\$1,321M	\$4,469M
IYE	iShares U.S. Energy ETF	(\$133M)	(\$1,538M)	(\$1,270M)	(\$1,264M)	\$2,084M
XLI	Industrial Select Sector SPDR Fund	(\$120M)	(\$1,369M)	(\$2,943M)	(\$5,247M)	\$12,791M
ITA	iShares U.S. Aerospace & Defense ETF	(\$111M)	\$105M	\$1,391M	\$1,043M	\$3,756M
SOXX	iShares Semiconductor ETF	(\$101M)	(\$370M)	(\$36M)	\$1,049M	\$7,114M
XBI	SPDR S&P BIOTECH ETF	(\$99M)	\$1,128M	\$1,888M	\$3,466M	\$7,718M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$93M)	(\$1,156M)	(\$796M)	(\$961M)	\$4,422M
IYR	iShares U.S. Real Estate ETF	(\$85M)	(\$492M)	(\$2,106M)	(\$662M)	\$4,296M
VNQ	Vanguard Real Estate ETF	(\$85M)	(\$2,108M)	(\$2,179M)	\$701M	\$40,838M

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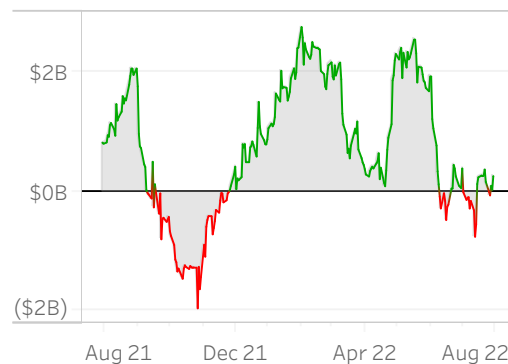
Communication Services



Consumer Discretionary



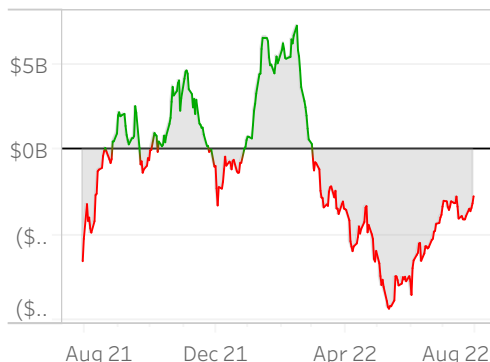
Consumer Staples



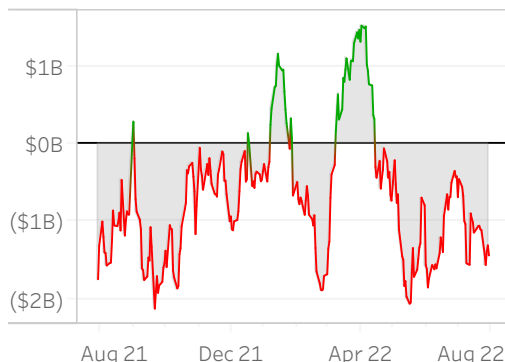
Energy



Financials



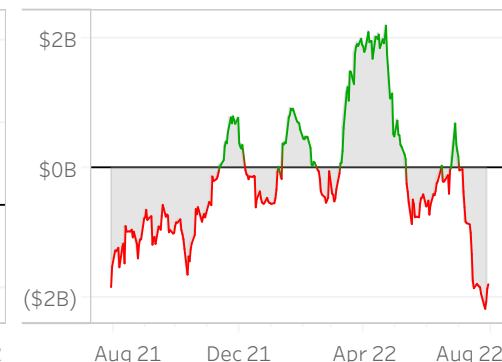
Industrial



Health Care



Materials



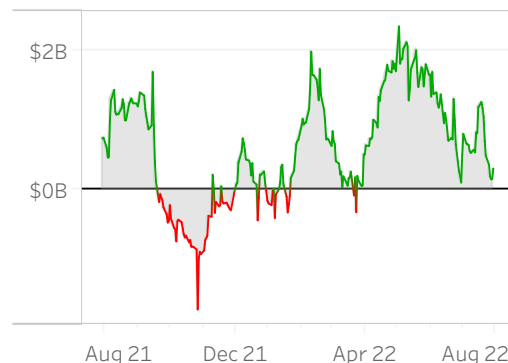
Real Estate



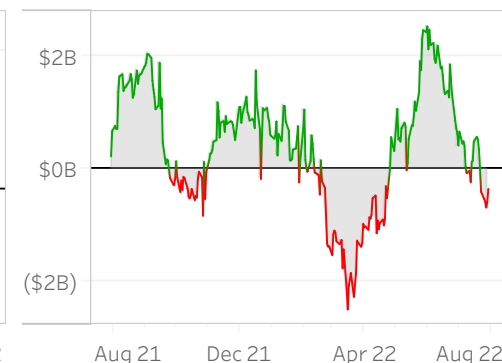
Technology



Utilities

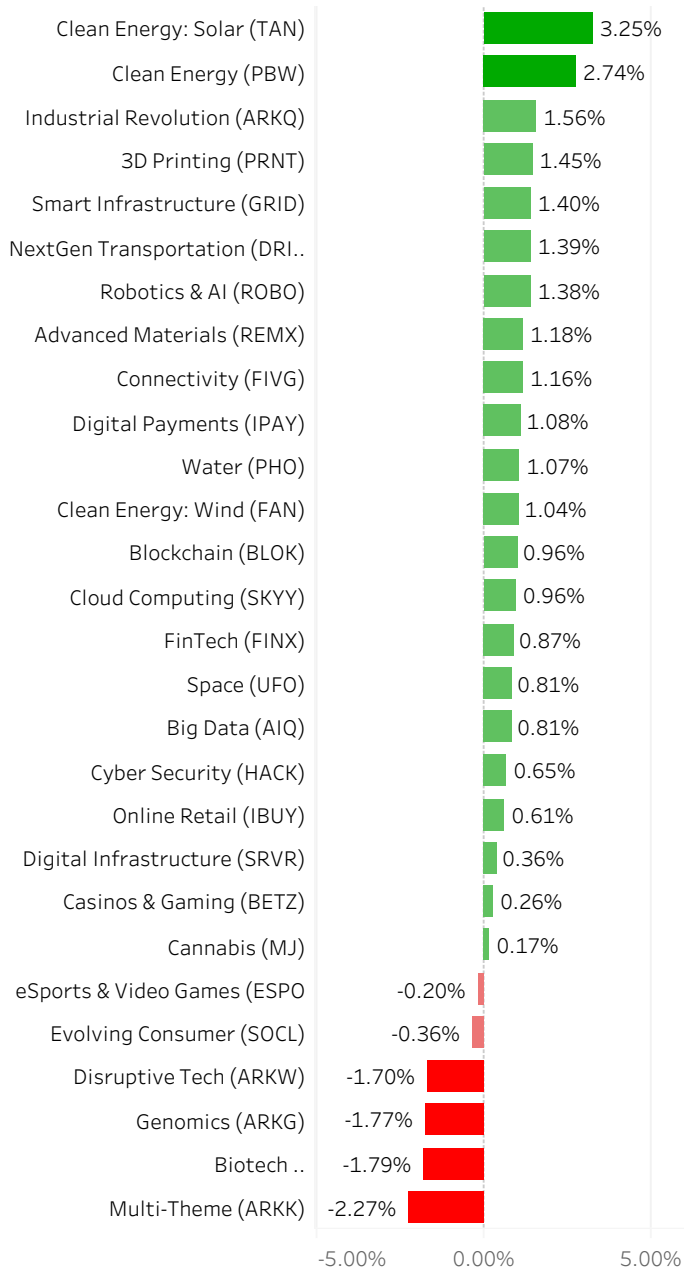


Multi-Sector

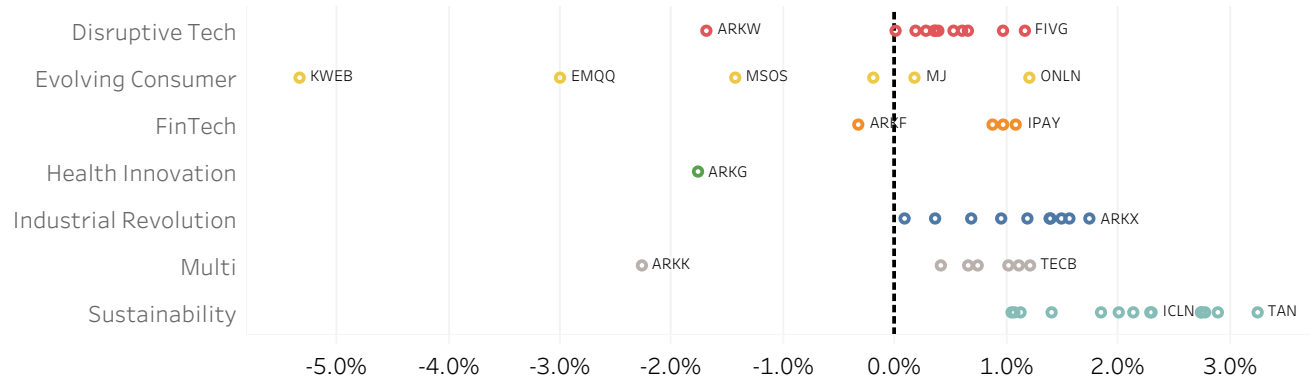


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
TAN	Invesco Solar ETF	3.25%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	2.89%
CTEC	Global X CleanTech ETF	2.80%
CNRG	SPDR S&P Kensho Clean Power ETF	2.77%
ACES	ALPS Clean Energy ETF	2.74%
PBW	Invesco WilderHill Clean Energy ETF	2.74%
ICLN	iShares Global Clean Energy ETF	2.29%
PBD	Invesco Global Clean Energy ETF	2.28%
ERTH	Invesco MSCI Sustainable Future ETF	2.13%
CGW	Invesco S&P Global Water Index ETF	2.00%

Thematic Most Overbought

Ticker	Fund	Value
FIW	First Trust Water ETF	75.44
CGW	Invesco S&P Global Water Index ETF	74.98
PHO	Invesco Water Resources ETF	74.90
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	74.61
ICLN	iShares Global Clean Energy ETF	73.45
TAN	Invesco Solar ETF	73.27
CNRG	SPDR S&P Kensho Clean Power ETF	72.55
EVX	VanEck Environmental Services ETF	72.37
PIO	Invesco Global Water ETF	72.35
ACES	ALPS Clean Energy ETF	72.22

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
KWEB	KraneShares CSI China Internet ETF	-5.34%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-3.01%
ARKK	ARK Innovation ETF	-2.27%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-2.08%
IDNA	iShares Genomics Immunology and Healthcare ETF Ge..	-1.83%
SBIO	ALPS Medical Breakthroughs ETF	-1.79%
ARKG	ARK Genomic Revolution ETF	-1.77%
ARKW	ARK Next Generation Internet ETF	-1.70%
MSOS	AdvisorShares Pure US Cannabis ETF	-1.44%
BKCH	Global X Blockchain ETF	-1.13%

Thematic Most Oversold

Ticker	Fund	Value
KWEB	KraneShares CSI China Internet ETF	38.76
KGRN	KraneShares MSCI China Clean Technology Index ETF	41.96
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	42.85
MJ	ETFMG Alternative Harvest ETF	46.37
YOLO	AdvisorShares Pure Cannabis ETF	46.67
SOCL	Global X Social Media ETF	46.88
MSOS	AdvisorShares Pure US Cannabis ETF	47.08
POTX	Global X Cannabis ETF	47.89
BUG	Global X Cybersecurity ETF	48.47
XITK	SPDR FactSet Innovative Technology ETF	50.24

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
FIW	First Trust Water ETF	\$12M
BUG	Global X Cybersecurity ETF	\$11M
ICLN	iShares Global Clean Energy ETF	\$9M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$6M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$5M
TARK	AXS 2X Innovation ETF	\$4M
PHO	Invesco Water Resources ETF	\$3M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$3M
FITE	SPDR S&P Kensho Future Security ETF	\$1M

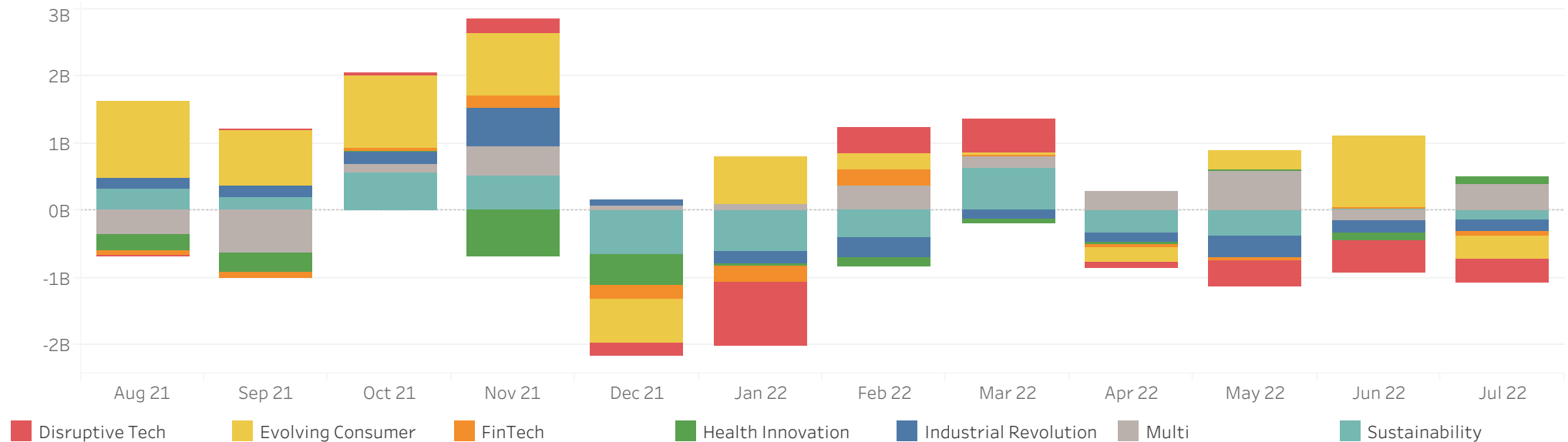
## Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$177M)
ARKG	ARK Genomic Revolution ETF	(\$101M)
ARKK	ARK Innovation ETF	(\$79M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$38M)
WCLD	WisdomTree Cloud Computing Fund	(\$18M)
FINX	Global X FinTech ETF	(\$17M)
ARKW	ARK Next Generation Internet ETF	(\$14M)
TAN	Invesco Solar ETF	(\$14M)
IBUY	Amplify Online Retail ETF	(\$13M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$13M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$42M)	(\$1,193M)	(\$384M)	(\$1,278M)
Evolving Consumer	48	\$12B	(\$200M)	\$1,016M	\$1,054M	\$5,117M
FinTech	24	\$3B	(\$56M)	(\$134M)	\$81M	(\$284M)
Health Innovation	19	\$4B	(\$102M)	\$3M	(\$231M)	(\$1,907M)
Industrial Revolution	32	\$12B	(\$28M)	(\$679M)	(\$1,259M)	(\$287M)
Multi	42	\$17B	(\$79M)	\$847M	\$1,688M	\$1,404M
Sustainability	42	\$19B	\$11M	(\$481M)	(\$573M)	(\$230M)
Grand Total	242	\$86B	(\$496M)	(\$622M)	\$377M	\$2,535M

## Thematic Monthly Flows



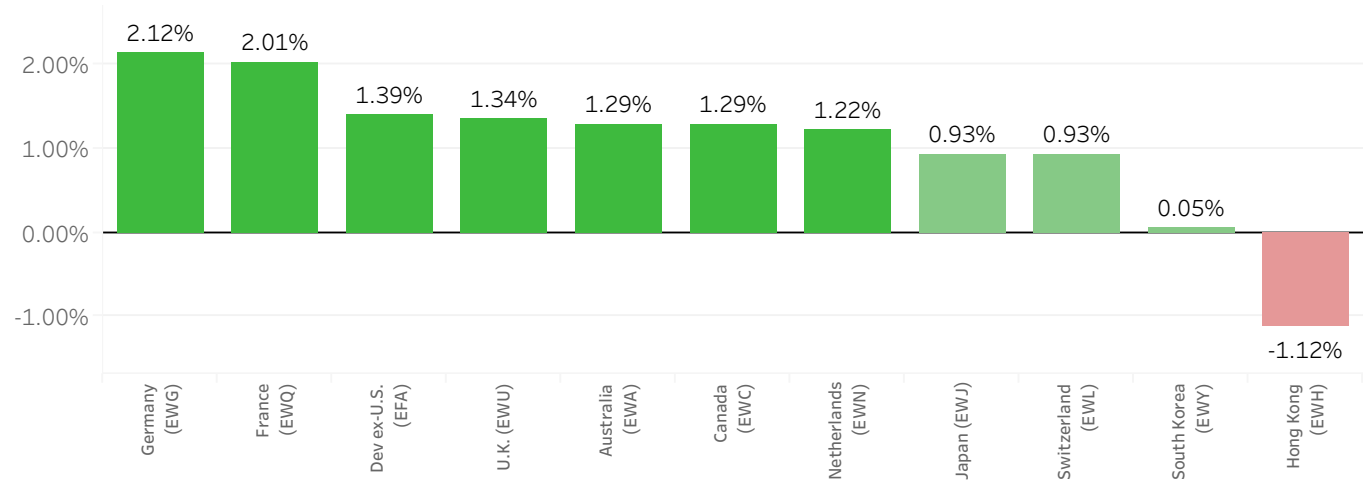
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



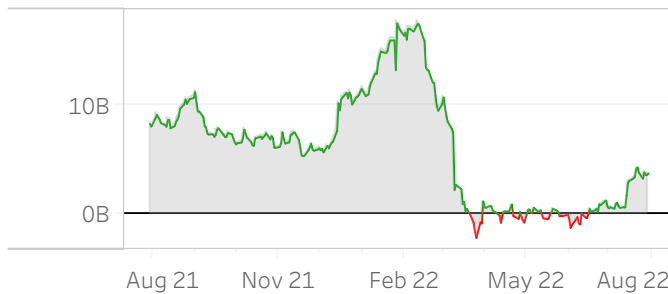
Developed ex-U.S. (EFA)



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



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



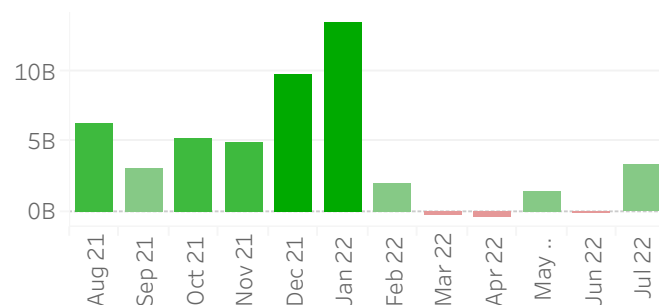
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GSID	Goldman Sachs MarketBeta International Equity ETF	3.92%
EWD	iShares MSCI Sweden ETF	2.97%
CIL	VictoryShares International Volatility Wtd ETF	2.88%
EWI	iShares MSCI Italy ETF	2.71%
EWO	iShares MSCI Austria ETF	2.26%
EWG	iShares MSCI Germany ETF	2.12%
EWQ	iShares MSCI France ETF	2.01%
EZU	iShares MSCI Eurozone ETF	1.95%
IEUS	iShares MSCI Europe Small-Cap ETF	1.92%
FDD	First Trust Stoxx European Select Dividend Index Fund	1.87%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DFJ	WisdomTree Japan SmallCap Dividend Fund	71.15
SCJ	iShares MSCI Japan Small-Cap ETF	70.69
IHDG	WisdomTree International Hedged Quality Dividend Grow..	68.64
ISVL	iShares International Developed Small Cap Value Factor E..	68.64
EFG	iShares MSCI EAFE Growth ETF	68.02
BBJP	JPMorgan BetaBuilders Japan ETF	67.59
ENZL	iShares MSCI New Zealand ETF	67.49
FLJP	Franklin FTSE Japan ETF	67.41
IMOM	Alpha Architect International Quantitative Momentum ETF	67.20
WPS	iShares International Developed Property ETF	67.05

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	-2.16%
EWH	iShares MSCI Hong Kong ETF	-1.12%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.80%
EWS	iShares MSCI Singapore ETF	-0.32%
PTIN	Pacer Trendpilot International ETF	-0.12%
FLKR	Franklin FTSE South Korea ETF	0.00%
EWY	iShares MSCI South Korea ETF	0.05%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.07%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	0.34%
LVHI	Franklin International Low Volatility High Dividend Index ..	0.35%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
AIA	iShares Asia 50 ETF	42.58
EWH	iShares MSCI Hong Kong ETF	44.06
AAXJ	iShares MSCI All Country Asia ex Japan ETF	48.47
PTIN	Pacer Trendpilot International ETF	48.84
EWP	iShares MSCI Spain ETF	51.96
IDOG	ALPS International Sector Dividend Dogs ETF	52.72
EWO	iShares MSCI Austria ETF	54.16
FDD	First Trust Stoxx European Select Dividend Index Fu..	54.67
FIDI	Fidelity International High Dividend ETF	54.93
EWG	iShares MSCI Germany ETF	55.07

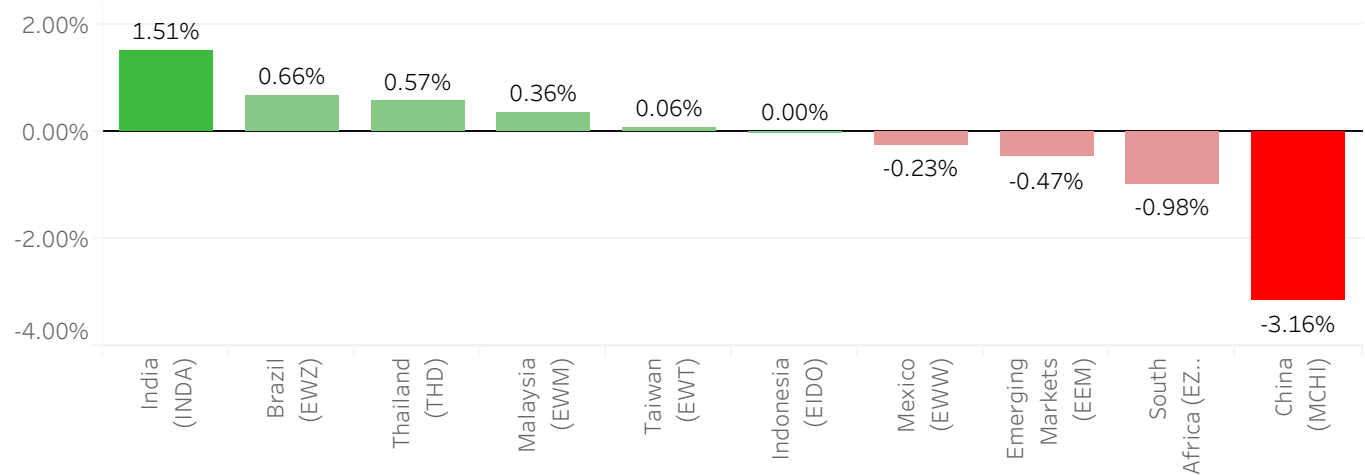
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



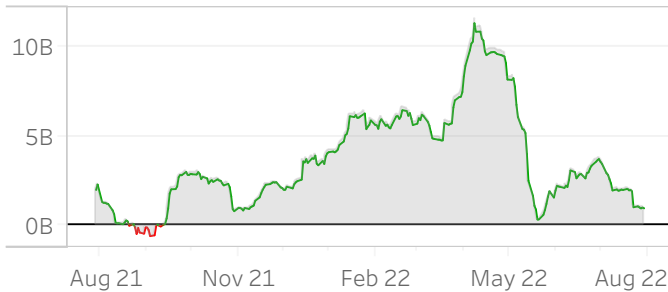
Emerging (EEM)



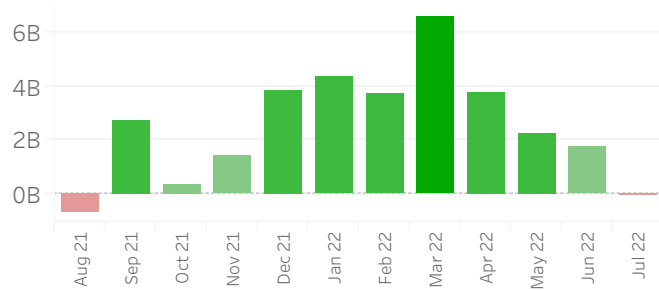
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPOL	iShares MSCI Poland ETF	3.52%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	3.05%
TUR	iShares MSCI Turkey ETF	1.80%
EPU	iShares MSCI Peru ETF	1.61%
INDA	iShares MSCI India ETF	1.51%
EPI	WisdomTree India Earnings Fund	1.49%
FLIN	Franklin FTSE India ETF	1.43%
INDY	iShares India 50 ETF	1.40%
PIN	Invesco India ETF	1.35%
SMIN	iShares MSCI India Small Cap ETF	1.23%

Emerging Most Overbought

Ticker	Fund	Price
NFTY	First Trust India NIFTY 50 Equal Weight ETF	70.47
PIN	Invesco India ETF	70.16
FLIN	Franklin FTSE India ETF	68.56
INDY	iShares India 50 ETF	68.38
INDA	iShares MSCI India ETF	68.00
QAT	iShares MSCI Qatar ETF	66.25
EPI	WisdomTree India Earnings Fund	64.67
SMIN	iShares MSCI India Small Cap ETF	64.33
KSA	iShares MSCI Saudi Arabia ETF	63.84
EIDO	iShares MSCI Indonesia ETF	63.15

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
FXI	iShares China Large-Cap ETF	-3.25%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-3.19%
MCHI	iShares MSCI China ETF	-3.16%
FLCH	Franklin FTSE China ETF	-2.98%
PGJ	Invesco Golden Dragon China ETF	-2.91%
GXC	SPDR S&P China ETF	-2.79%
ECNS	iShares MSCI China Small-Cap ETF	-1.81%
RAYC	Rayliant Quantamental China Equity ETF	-1.76%
FNI	First Trust Chindia ETF	-1.70%
BKF	iShares MSCI BIC ETF	-1.58%

Emerging Most Oversold

Ticker	Fund	Price
FLCH	Franklin FTSE China ETF	34.45
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	34.57
GXC	SPDR S&P China ETF	34.64
MCHI	iShares MSCI China ETF	34.91
RAYC	Rayliant Quantamental China Equity ETF	34.94
ECNS	iShares MSCI China Small-Cap ETF	35.81
FXI	iShares China Large-Cap ETF	36.50
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	37.43
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	38.09
CNYA	iShares MSCI China A ETF	38.99

\*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	0.01%	3.00%	-7.88%
SHY	1-3 Year Treasury Bonds	-0.01%	0.60%	-2.59%
IEF	7-10 Year Treasury Bonds	0.04%	3.75%	-7.91%
TLT	20+ Year Treasury Bonds	-0.27%	3.33%	-19.98%
TIP	TIPS Bonds	0.50%	4.21%	-5.12%
FLOT	Floating Rate Bonds	0.04%	0.30%	-0.70%
LQD	Investment Grade Corporate	0.24%	4.76%	-12.35%
HYG	High Yield Corporate	0.30%	6.64%	-7.99%
BKLN	Senior Loan	0.10%	2.90%	-3.18%
PFF	Preferred & Income Securities	1.22%	6.08%	-9.85%
MUB	Municipal Bonds	0.08%	2.66%	-5.76%
MBB	MBS	0.14%	3.76%	-5.69%
EMB	Dollar Denominated EM Bonds	0.39%	4.02%	-17.41%
LEMB	Local Currency EM Bond	0.59%	0.03%	-13.05%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.92%	0.17%	26.20%
DBE	Energy	-0.04%	-5.47%	49.71%
USO	WTI Crude Oil	1.19%	-5.91%	43.58%
BNO	Brent Crude Oil	1.31%	-3.29%	54.85%
UNG	Natural Gas	0.99%	30.86%	129.14%
UGA	Gasoline	-0.95%	-11.36%	51.95%
DBP	Precious Metals	0.61%	-3.16%	-6.76%
GLD	Gold	0.28%	-3.18%	-4.01%
SLV	Silver	1.47%	-2.30%	-13.06%
PPLT	abrdn Physical Platin..	0.63%	-2.61%	-7.65%
PALL	abrdn Physical Palla..	1.72%	7.70%	11.69%
DBB	Base Metals	2.39%	-2.29%	-11.64%
CPER	Copper	3.24%	-4.82%	-20.25%
LD	Lead	0.49%	3.25%	-12.87%
JJN	Nickel	10.16%	0.60%	15.71%
JJU	Aluminum	1.30%	-1.93%	-11.83%
JJT	Tin	1.00%	-6.34%	-35.26%
DBA	Agriculture	0.30%	-2.46%	2.23%
CORN	Corn	0.77%	-4.76%	16.06%
SOYB	Soybeans	1.75%	-0.15%	20.35%
WEAT	Wheat	-0.47%	-10.76%	14.48%
CANE	Sugar	-1.47%	-6.13%	-5.11%
BAL	Cotton	-2.86%	1.18%	3.26%
NIB	Cocoa	-0.36%	-2.66%	-14.66%
JO	Coffee	-0.55%	-4.22%	-3.21%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.39%	0.86%	10.38%
UDN	Short Dollar	0.33%	-0.74%	-10.03%
FXE	Euro	0.33%	-2.23%	-10.70%
FXB	British Pound Sterling	0.08%	0.50%	-10.08%
FXF	Swiss Franc	0.27%	0.19%	-4.89%
FXJ	Japanese Yen	0.75%	2.39%	-13.89%
FXC	Canadian Dollar	0.10%	0.70%	-1.50%
FXA	Australian Dollar	0.08%	1.54%	-4.07%

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