

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

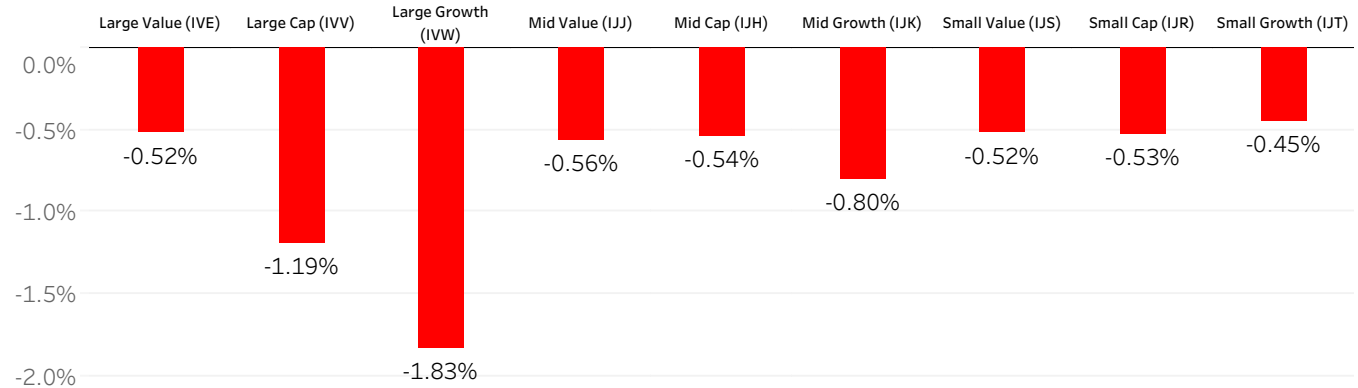


Small Cap Blend (S&P 600) IJR



■ 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
DIV	Global X SuperDividend US ETF	0.75%
SMDV	ProShares Russell 2000 Dividend Growers ETF	0.58%
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	0.54%
XSLV	Invesco S&P SmallCap Low Volatility ETF	0.46%
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	0.43%
SPLV	Invesco S&P 500 Low Volatility ETF	0.43%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.41%
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	0.39%
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	0.39%
SIXL	ETC 6 Meridian Low Beta Equity ETF	0.38%

Size & Style Most Overbought

Ticker	Fund	Price
XSLV	Invesco S&P SmallCap Low Volatility ETF	63.55
OSCV	Opus Small Cap Value ETF	63.12
XSMO	Invesco S&P SmallCap Momentum ETF	62.86
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	62.62
XMLV	Invesco S&P MidCap Low Volatility ETF	62.12
FDM	First Trust Dow Jones Select MicroCap Index Fund	62.06
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	61.45
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	61.45
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	61.37
SMMV	iShares MSCI USA Small-Cap Min Vol Factor ETF	61.10

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BUZZ	VanEck Social Sentiment ETF	-3.77%
IPO	Renaissance IPO ETF	-3.67%
LCG	Sterling Capital Focus Equity ETF	-2.76%
MMLG	First Trust Multi-Manager Large Growth ETF	-2.60%
WINN	Harbor Long-Term Growers ETF	-2.29%
SPHB	Invesco S&P 500 High Beta ETF	-2.23%
MGK	Vanguard Mega Cap Growth ETF	-2.18%
VUG	Vanguard Growth ETF	-2.08%
XOUT	GraniteShares XOUT US Large Cap ETF	-2.07%
SCHG	Schwab U.S. Large-Cap Growth ETF	-2.07%

Size & Style Most Oversold

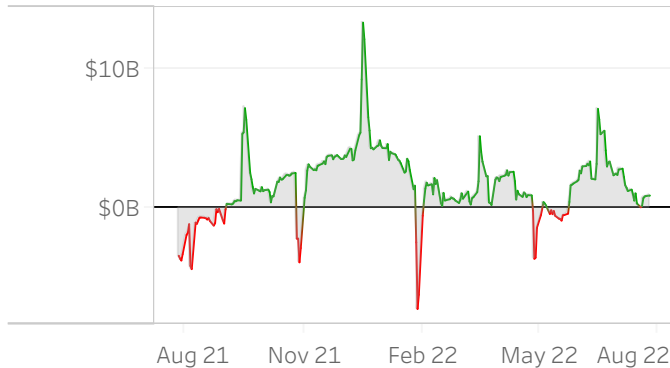
Ticker	Fund	Price
LGH	HCM Defender 500 Index ETF	31.94
QQH	HCM Defender 100 Index ETF	36.07
RUFF	Alpha Dog ETF	38.45
FFTY	Innovator IBD 50 ETF	43.14
LFEQ	VanEck Long/Flat Trend ETF	43.94
IPO	Renaissance IPO ETF	44.96
WBIY	WBI Power Factor High Dividend ETF	45.05
RPHS	Regents Park Hedged Market Strategy ETF	45.18
DJD	Invesco Dow Jones Industrial Average Dividend ETF	45.87
ABEQ	Absolute Core Strategy ETF	46.30

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

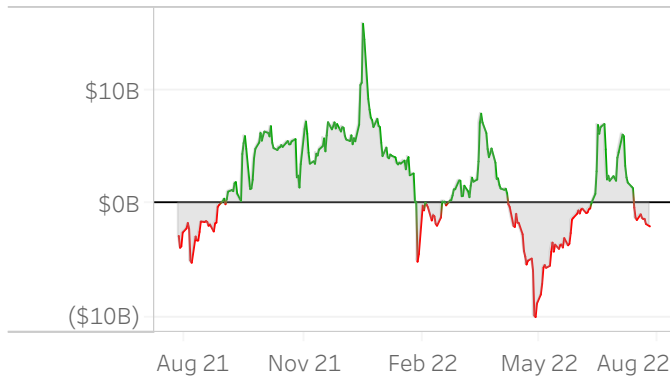
Large-Cap 30-Day Rolling Flows



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	\$1,203B	\$3.59B	\$35.72B	\$48.00B	\$129.40B
Large Cap, Beta Growth, Beta: Growth	10	\$223B	\$0.70B	\$7.89B	\$11.65B	\$16.03B
Large Cap, Beta Growth, Beta: Value	11	\$211B	(\$0.05B)	\$4.35B	\$13.63B	\$26.62B
Mid Cap, Beta, Beta	10	\$171B	\$0.11B	\$3.23B	\$4.73B	\$12.52B
Mid Cap, Beta, Beta: Growth	6	\$31B	\$0.04B	\$0.43B	(\$0.04B)	\$0.64B
Mid Cap, Beta, Beta: Value	6	\$38B	\$0.04B	\$0.01B	(\$0.42B)	\$0.85B
Small Cap, Beta, Beta	13	\$185B	\$1.25B	(\$3.23B)	(\$5.72B)	\$7.50B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.03B	\$0.65B	\$0.85B	\$1.35B
Small Cap, Beta, Beta: Value	7	\$48B	(\$1.08B)	(\$0.93B)	(\$4.36B)	(\$2.47B)

U.S. Size & Style Flow Leaders

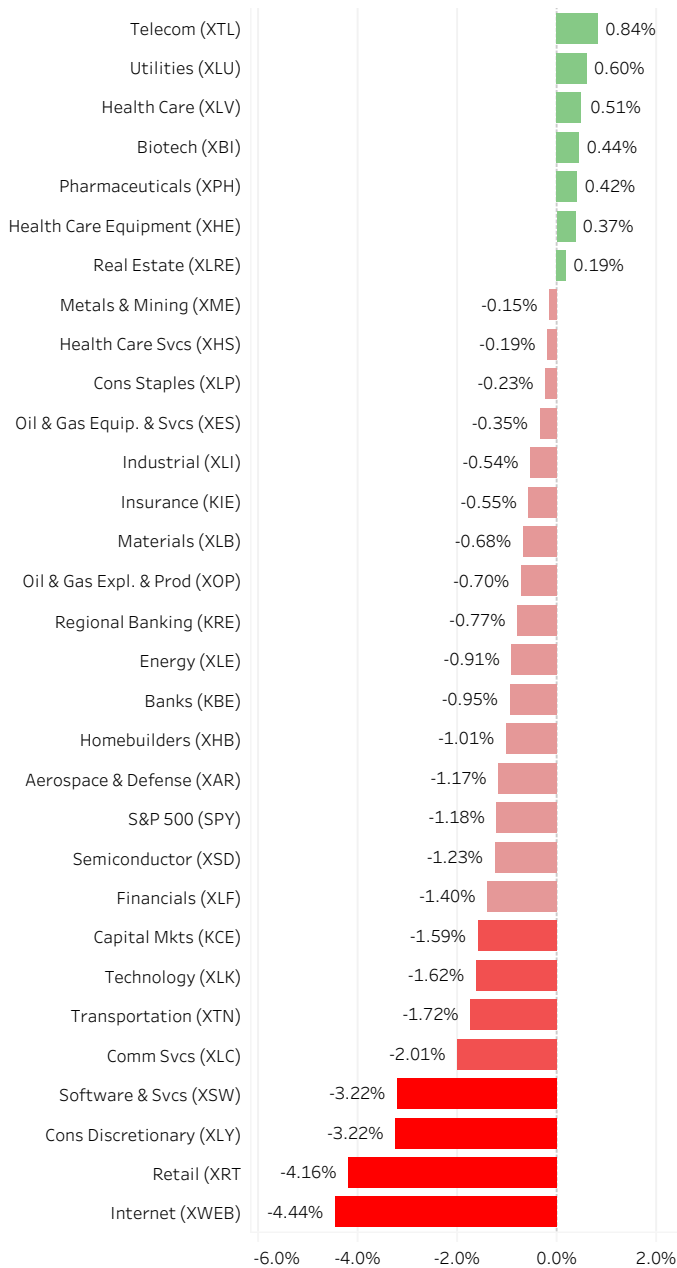
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$2.10B	\$1.58B	(\$9.88B)	\$21.45B	\$359.88B
IJR	iShares Core S&P Small Cap ETF	\$1.50B	\$0.03B	(\$0.03B)	\$4.86B	\$64.61B
VOO	Vanguard S&P 500 ETF	\$0.63B	\$13.88B	\$24.55B	\$43.82B	\$259.27B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.35B	\$0.91B	\$2.56B	\$4.05B	\$13.99B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.35B	\$1.00B	\$0.92B	\$1.05B	\$27.78B
VUG	Vanguard Growth ETF	\$0.26B	\$3.11B	\$5.83B	\$6.97B	\$73.17B
VTI	Vanguard Total Stock Market ETF	\$0.22B	\$4.00B	\$10.14B	\$35.60B	\$258.03B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.22B	\$1.10B	\$1.54B	\$1.91B	\$13.25B
OEF	iShares S&P 100 ETF	\$0.17B	\$0.14B	\$0.01B	\$0.89B	\$7.96B
QQQ	Invesco QQQ Trust	\$0.17B	\$4.59B	\$10.45B	\$19.66B	\$167.50B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IJS	iShares S&P Small-Cap 600 Value ETF	(\$1.06B)	\$0.29B	(\$0.61B)	(\$0.82B)	\$7.26B
HDV	iShares Core High Dividend ETF	(\$0.37B)	\$3.08B	\$4.86B	\$5.10B	\$12.10B
IWM	iShares Russell 2000 ETF	(\$0.31B)	(\$0.99B)	(\$4.53B)	(\$1.82B)	\$51.58B
VIG	Vanguard Dividend Appreciation ETF	(\$0.14B)	\$0.69B	\$2.14B	\$4.37B	\$61.89B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.13B)	(\$2.43B)	(\$4.62B)	(\$5.78B)	\$8.97B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	(\$0.13B)	\$0.07B	\$0.21B	\$0.60B	\$1.91B
IVV	iShares Core S&P 500 ETF	(\$0.11B)	\$12.68B	\$16.87B	\$29.76B	\$292.99B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.08B)	(\$0.27B)	\$1.19B	\$4.83B	\$22.13B
VXF	Vanguard Extended Market ETF	(\$0.08B)	\$0.10B	\$0.07B	\$0.31B	\$13.31B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.06B)	\$0.07B	\$0.56B	\$1.41B	\$12.71B

\* 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	-8.11%	11.26%	0.29%	0.98%	55.98
XLV	Health Care Select Sector SPDR Fund	-8.16%	9.42%	2.18%	-0.78%	56.80
XLP	Consumer Staples Select Sector SPDR Fund	-8.91%	6.67%	1.37%	-1.42%	56.02
XLI	Industrial Select Sector SPDR Fund	-15.62%	5.72%	0.63%	-8.52%	56.61
XLB	Materials Select Sector SPDR Fund	-17.38%	5.54%	-4.35%	-11.21%	48.80
SPY	SPDR S&P 500 ETF Trust	-18.17%	6.84%	0.19%	-9.83%	52.33
XLRE	Real Estate Select Sector SPDR Fund	-18.22%	9.06%	1.50%	-8.20%	58.50
XLE	Energy Select Sector SPDR Fund	-20.80%	59.62%	-6.43%	5.02%	49.97
XLF	Financial Select Sector SPDR Fund	-21.54%	5.73%	-0.71%	-12.36%	52.06
XLK	Technology Select Sector SPDR Fund	-24.06%	8.62%	1.09%	-11.70%	52.44
XLY	Consumer Discretionary Select Sector SPDR Fund	-29.77%	10.29%	2.21%	-16.05%	52.50
XLC	Communication Services Select Sector SPDR Fund	-36.46%	3.01%	-3.42%	-19.59%	43.77

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
MLPA	Global X MLP ETF	1.71%
IGN	iShares North American Tech-Multimedia Network..	1.11%
PUI	Invesco DWA Utilities Momentum ETF	0.98%
AMPL	Alerian MLP ETF	0.91%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	0.91%
VRAI	Virtus Real Asset Income ETF	0.85%
XTL	SPDR S&P Telecom ETF	0.84%
FXU	First Trust Utilities AlphaDEX Fund	0.83%
AIRR	First Trust RBA American Industrial Renaissance E..	0.76%
PBE	Invesco Dynamic Biotechnology & Genome ETF	0.74%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XHS	SPDR S&P Health Care Services ETF	65.44
NETL	NETlease Corporate Real Estate ETF	64.78
AIRR	First Trust RBA American Industrial Renaissance ETF	64.39
QABA	First Trust NASDAQ ABA Community Bank Index Fund	63.97
IGN	iShares North American Tech-Multimedia Networking E..	63.92
PSCI	Invesco S&P SmallCap Industrials ETF	63.38
EMLP	First Trust North American Energy Infrastructure Fund	62.87
PAVE	Global X U.S. Infrastructure Development ETF	62.31
IHF	iShares U.S. Healthcare Providers ETF	61.93
JPRE	JPMorgan Realty Income ETF	61.88

## Sector & Industry 1 Day Performance Laggards

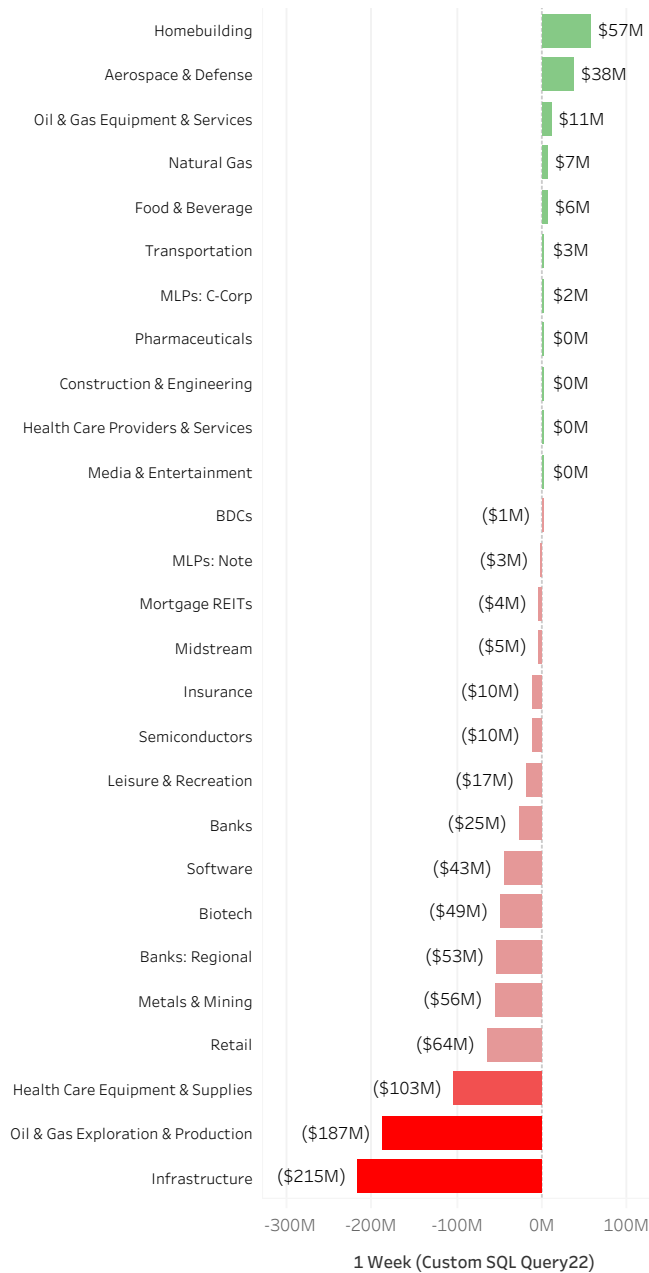
Ticker	Fund	1 Day Performance
XRT	SPDR S&P Retail ETF	-4.16%
FDN	First Trust Dow Jones Internet Index Fund	-3.60%
PNQI	Invesco NASDAQ Internet ETF	-3.56%
VCR	Vanguard Consumer Discretionary ETF	-3.30%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	-3.23%
XLY	Consumer Discretionary Select Sector SPDR Fund	-3.22%
XSW	SPDR S&P Software & Services ETF	-3.22%
IGV	iShares Expanded Tech-Software Sector ETF	-3.10%
IYC	iShares U.S. Consumer Discretionary ETF	-3.10%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-2.83%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	42.87
VOX	Vanguard Communication Services ETF	43.09
FCOM	Fidelity MSCI Communication Services Index ETF	43.37
XLC	Communication Services Select Sector SPDR Fund	43.77
XRT	SPDR S&P Retail ETF	44.52
IYM	iShares U.S. Basic Materials ETF	45.62
FDN	First Trust Dow Jones Internet Index Fund	45.64
PNQI	Invesco NASDAQ Internet ETF	46.09
XSW	SPDR S&P Software & Services ETF	46.75
XES	SPDR S&P Oil & Gas Equipment & Services ETF	46.75

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

## U.S. Sector & Industry 1-Week Flows



## U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	9	\$13B	(\$166M)	(\$252M)	(\$583M)	(\$306M)
Consumer Discretionary	13	\$23B	(\$78M)	(\$2,475M)	(\$5,038M)	(\$5,197M)
Consumer Staples	12	\$27B	(\$156M)	\$234M	\$3,156M	\$5,662M
Energy	34	\$67B	(\$1,092M)	(\$4,671M)	(\$3,955M)	\$266M
Financials	28	\$56B	(\$366M)	(\$9,982M)	(\$18,922M)	(\$9,355M)
Health Care	26	\$91B	(\$84M)	\$3,724M	\$7,099M	\$12,965M
Industrial	14	\$27B	(\$242M)	(\$2,919M)	(\$2,705M)	(\$5,753M)
Materials	10	\$14B	(\$227M)	(\$2,657M)	(\$484M)	(\$1,642M)
Multi-Sector	19	\$14B	(\$199M)	(\$530M)	(\$4,800M)	(\$3,486M)
Real Estate	24	\$67B	(\$108M)	(\$2,626M)	(\$5,088M)	\$2,614M
Technology	24	\$121B	\$81M	(\$1,218M)	(\$345M)	\$4,182M
Utilities	10	\$26B	(\$349M)	\$1,900M	\$4,112M	\$5,409M

## U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$82M	(\$523M)	\$386M	\$1,462M	\$40,876M
IYH	iShares U.S. Healthcare ETF	\$69M	\$135M	\$40M	\$310M	\$2,961M
XHB	SPDR S&P Homebuilders ETF	\$59M	(\$142M)	(\$801M)	(\$400M)	\$1,041M
VHT	Vanguard Health Care ETF	\$36M	(\$130M)	\$222M	\$1,191M	\$16,318M
ITA	iShares U.S. Aerospace & Defense ETF	\$35M	\$179M	\$1,512M	\$1,154M	\$3,798M
IYW	iShares U.S. Technology ETF	\$30M	(\$400M)	(\$272M)	\$110M	\$6,801M
RWR	SPDR Dow Jones REIT ETF	\$29M	\$12M	\$81M	\$88M	\$1,776M
VGT	Vanguard Information Technology ETF	\$27M	\$197M	\$1,234M	\$1,528M	\$43,855M
IYK	iShares U.S. Consumer Staples ETF	\$19M	\$313M	\$576M	\$649M	\$1,366M
FUTY	Fidelity MSCI Utilities Index ETF	\$13M	\$705M	\$864M	\$949M	\$2,052M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYE	iShares U.S. Energy ETF	(\$567M)	(\$1,485M)	(\$1,334M)	(\$1,259M)	\$1,996M
XLU	Utilities Select Sector SPDR Fund	(\$363M)	\$1,367M	\$2,700M	\$3,437M	\$15,959M
XLI	Industrial Select Sector SPDR Fund	(\$280M)	(\$1,449M)	(\$3,028M)	(\$5,260M)	\$12,271M
XLF	Financial Select Sector SPDR Fund	(\$250M)	(\$5,964M)	(\$11,432M)	(\$6,216M)	\$28,946M
XLE	Energy Select Sector SPDR Fund	(\$248M)	(\$1,328M)	(\$3,163M)	(\$895M)	\$32,745M
XLP	Consumer Staples Select Sector SPDR Fund	(\$175M)	(\$554M)	\$677M	\$2,348M	\$15,160M
IFRA	iShares U.S. Infrastructure ETF	(\$173M)	\$813M	\$894M	\$1,037M	\$1,596M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$172M)	(\$1,076M)	(\$849M)	(\$954M)	\$4,073M
XLB	Materials Select Sector SPDR Fund	(\$135M)	(\$1,033M)	(\$1,222M)	(\$2,119M)	\$5,837M
VNQ	Vanguard Real Estate ETF	(\$113M)	(\$2,126M)	(\$2,141M)	\$782M	\$39,247M

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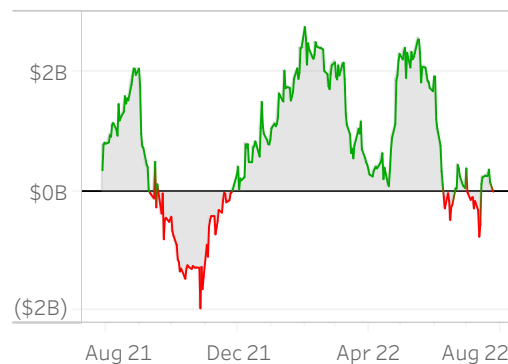
Communication Services



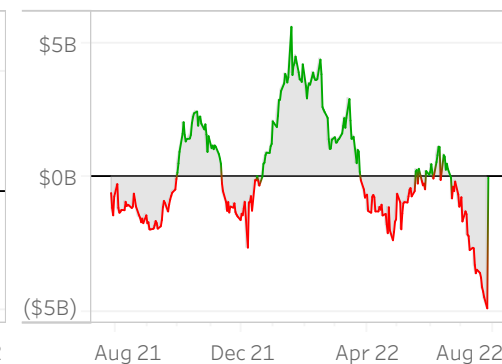
Consumer Discretionary



Consumer Staples



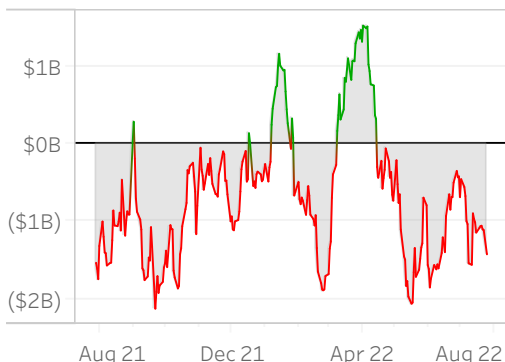
Energy



Financials



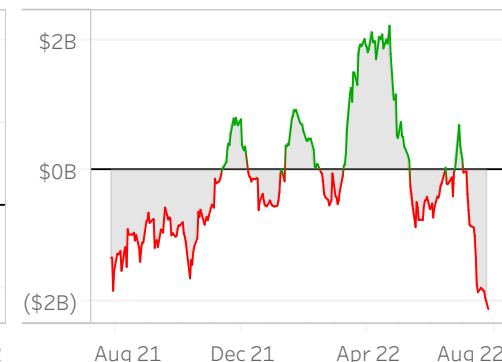
Industrial



Health Care



Materials



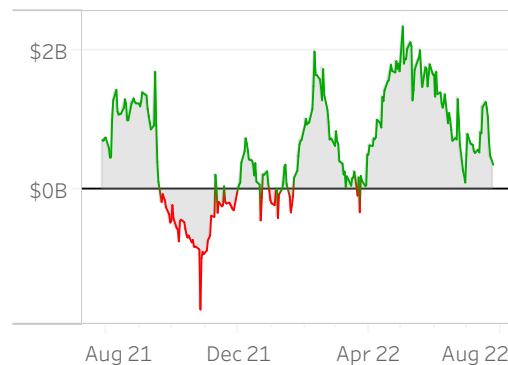
Real Estate



Technology



Utilities

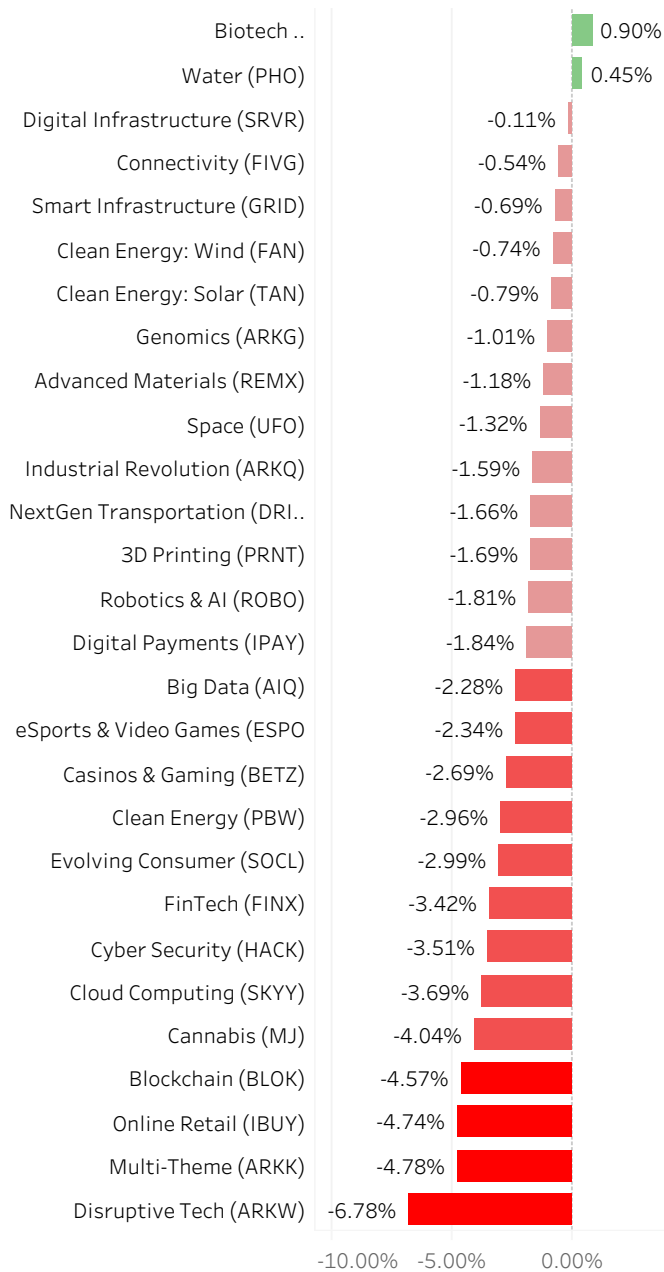


Multi-Sector

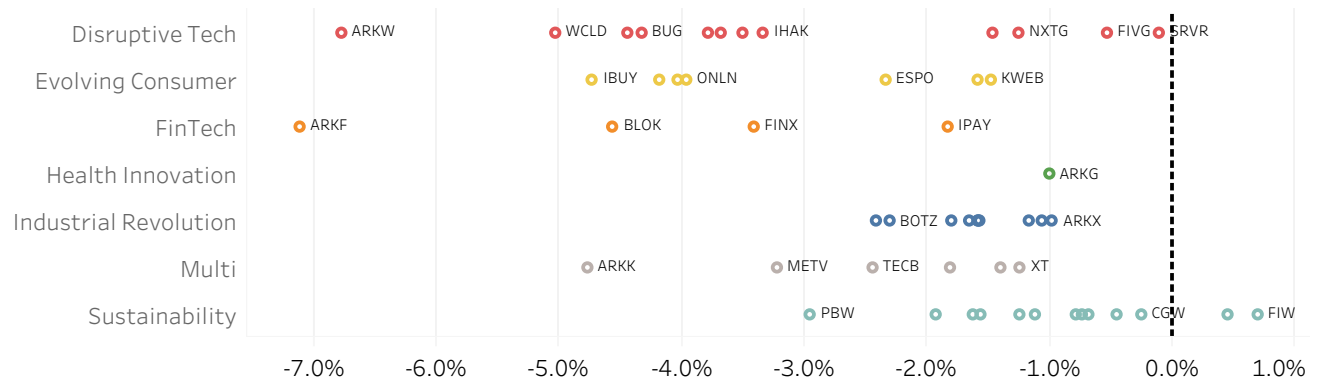


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
VPN	Global X Data Center REITs & Digital Infrastructure ETF	1.50%
SBIO	ALPS Medical Breakthroughs ETF	0.90%
FIW	First Trust Water ETF	0.69%
PHO	Invesco Water Resources ETF	0.45%
BTEC	Principal Healthcare Innovators ETF	0.41%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.40%
GDOC	Goldman Sachs Future Health Care Equity ETF	0.02%
AGNG	Global X Aging Population ETF	0.00%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	-0.11%
EVX	VanEck Environmental Services ETF	-0.19%

Thematic Most Overbought

Ticker	Fund	Price
FIW	First Trust Water ETF	65.50
PHO	Invesco Water Resources ETF	65.07
CGW	Invesco S&P Global Water Index ETF	62.00
EBLU	Ecofin Global Water ESG Fund	59.41
PIO	Invesco Global Water ETF	58.56
GDOC	Goldman Sachs Future Health Care Equity ETF	58.48
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	58.26
EVX	VanEck Environmental Services ETF	57.85
EDOC	Global X Telemedicine & Digital Health ETF Registered	57.31
GNOM	Global X Genomics & Biotechnology ETF	56.67

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-8.84%
BKCH	Global X Blockchain ETF	-8.79%
ARKF	ARK Fintech Innovation ETF	-7.12%
ARKW	ARK Next Generation Internet ETF	-6.78%
WCLD	WisdomTree Cloud Computing Fund	-5.04%
ARKK	ARK Innovation ETF	-4.78%
IBUY	Amplify Online Retail ETF	-4.74%
BLOK	Amplify Transformational Data Sharing ETF	-4.57%
CLOU	Global X Cloud Computing ETF	-4.45%
BUG	Global X Cybersecurity ETF	-4.33%

Thematic Most Oversold

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	39.56
KGRN	KraneShares MSCI China Clean Technology Index ETF	39.81
MJ	ETFMG Alternative Harvest ETF	40.33
SOCL	Global X Social Media ETF	41.17
POTX	Global X Cannabis ETF	41.19
WCLD	WisdomTree Cloud Computing Fund	42.94
BUG	Global X Cybersecurity ETF	43.61
SKYY	First Trust Cloud Computing ETF	43.96
CLOU	Global X Cloud Computing ETF	44.22
CIBR	First Trust NASDAQ Cybersecurity ETF	44.27

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$66M
MSOS	AdvisorShares Pure US Cannabis ETF	\$19M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$14M
MJ	ETFMG Alternative Harvest ETF	\$6M
BUG	Global X Cybersecurity ETF	\$5M
GNOM	Global X Genomics & Biotechnology ETF	\$4M
SAMT	Strategas Macro Thematic Opportunities ETF	\$3M
CLOU	Global X Cloud Computing ETF	\$2M
LOUP	Innovator Loup Frontier Tech ETF	\$2M
TECB	iShares U.S. Tech Breakthrough Multisector ETF	\$2M

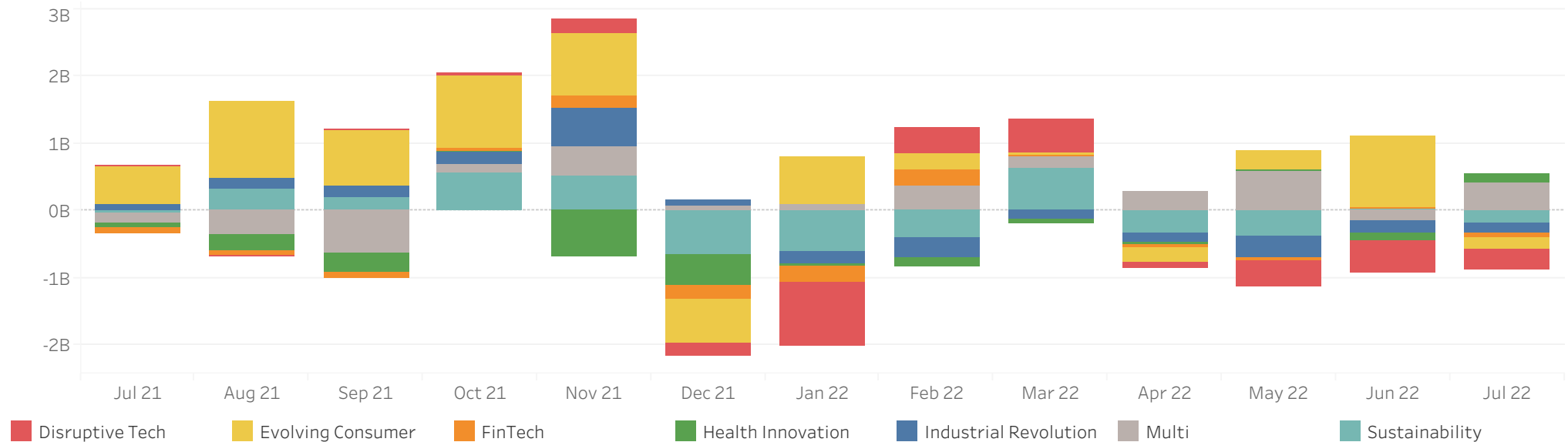
## Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$53M)
ARKG	ARK Genomic Revolution ETF	(\$51M)
TAN	Invesco Solar ETF	(\$41M)
HERO	Global X Video Games & Esports ETF	(\$33M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$19M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$17M)
FINX	Global X FinTech ETF	(\$15M)
SKYY	First Trust Cloud Computing ETF	(\$11M)
ICLN	iShares Global Clean Energy ETF	(\$10M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$10M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	(\$19M)	(\$1,182M)	(\$446M)	(\$1,235M)
Evolving Consumer	48	\$12B	(\$72M)	\$1,113M	\$1,208M	\$5,846M
FinTech	24	\$3B	(\$35M)	(\$113M)	\$120M	(\$346M)
Health Innovation	19	\$4B	(\$32M)	\$47M	(\$229M)	(\$1,940M)
Industrial Revolution	32	\$12B	(\$14M)	(\$701M)	(\$1,165M)	(\$178M)
Multi	42	\$17B	\$98M	\$886M	\$1,866M	\$1,269M
Sustainability	42	\$18B	(\$33M)	(\$573M)	(\$676M)	(\$318M)
Grand Total	242	\$84B	(\$107M)	(\$523M)	\$678M	\$3,098M

## Thematic Monthly Flows



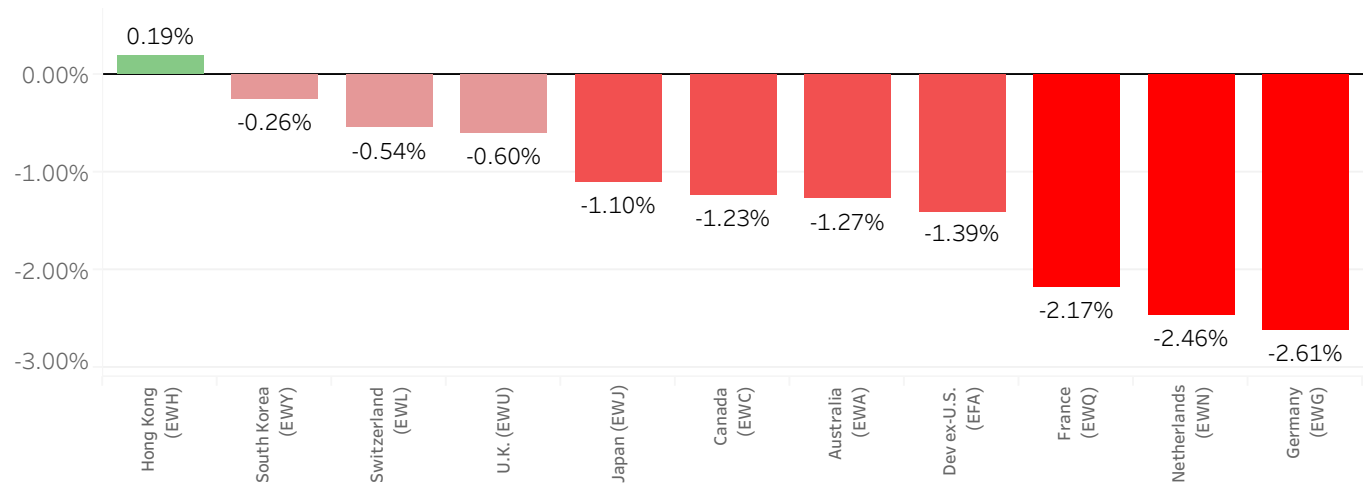
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



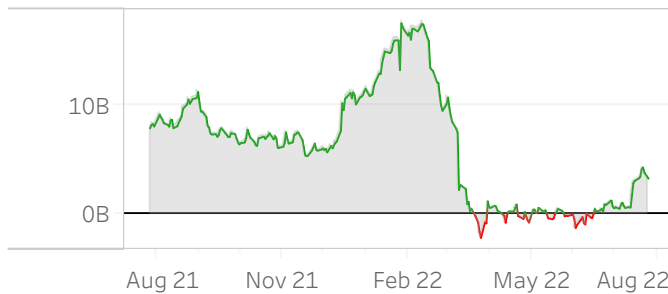
Developed ex-U.S. (EFA)



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



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



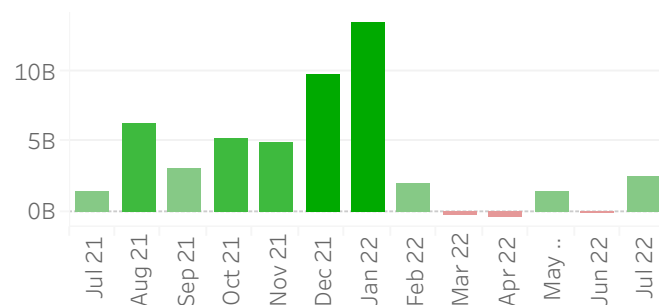
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	0.19%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.08%
PTIN	Pacer Trendpilot International ETF	-0.12%
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.16%
FLSW	Franklin FTSE Switzerland ETF	-0.17%
EWY	iShares MSCI South Korea ETF	-0.26%
FLKR	Franklin FTSE South Korea ETF	-0.27%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.38%
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	-0.41%
AIA	iShares Asia 50 ETF	-0.44%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DFJ	WisdomTree Japan SmallCap Dividend Fund	60.27
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	57.60
SCJ	iShares MSCI Japan Small-Cap ETF	57.34
IMOM	Alpha Architect International Quantitative Momentum ETF	57.19
FLSW	Franklin FTSE Switzerland ETF	56.82
EFAD	ProShares MSCI EAFE Dividend Growers ETF	55.71
HEWJ	iShares Currency Hedged MSCI Japan ETF	55.06
EWL	iShares MSCI Switzerland ETF	54.84
EFG	iShares MSCI EAFE Growth ETF	54.83
IDHQ	Invesco S&P International Developed High Quality ETF	54.68

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWD	iShares MSCI Sweden ETF	-3.01%
CIL	VictoryShares International Volatility Wtd ETF	-2.76%
EWG	iShares MSCI Germany ETF	-2.61%
EWN	iShares MSCI Netherlands ETF	-2.46%
FEZ	SPDR EURO STOXX 50 ETF	-2.35%
EWI	iShares MSCI Italy ETF	-2.31%
EWQ	iShares MSCI France ETF	-2.17%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-2.16%
EZU	iShares MSCI Eurozone ETF	-2.14%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-2.10%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
EWI	iShares MSCI Italy ETF	41.58
EWG	iShares MSCI Germany ETF	42.27
FIDI	Fidelity International High Dividend ETF	43.02
EWP	iShares MSCI Spain ETF	43.25
FDD	First Trust Stoxx European Select Dividend Index Fu..	43.67
DTH	WisdomTree International High Dividend Fund	44.42
AAXJ	iShares MSCI All Country Asia ex Japan ETF	44.43
AIA	iShares Asia 50 ETF	44.79
FEP	First Trust Europe AlphaDEX Fund	44.84
IDOG	ALPS International Sector Dividend Dogs ETF	45.01

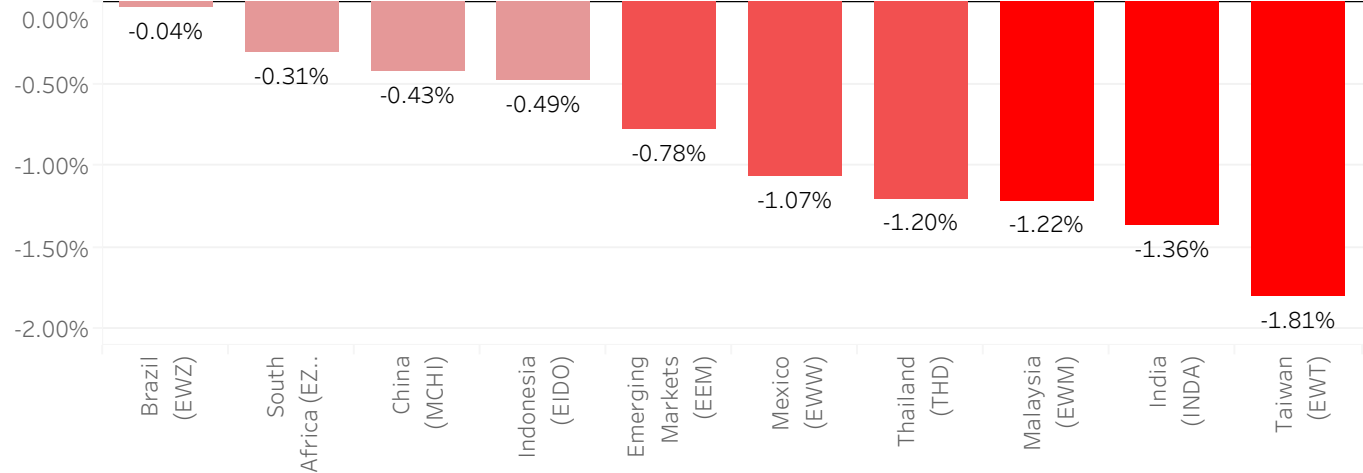
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Emerging (EEM)



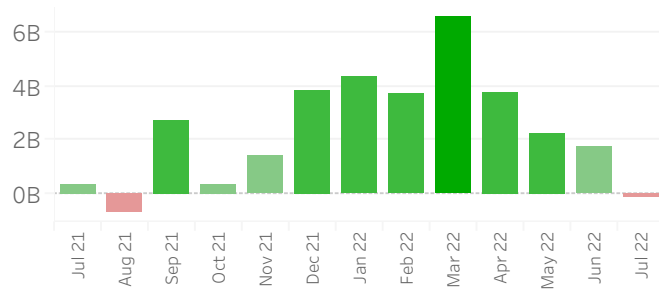
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
RAYC	Rayliant Quantamental China Equity ETF	0.88%
ECH	iShares MSCI Chile ETF	0.59%
EPU	iShares MSCI Peru ETF	0.35%
EPHE	iShares MSCI Philippines ETF	0.32%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	0.28%
CNYA	iShares MSCI China A ETF	-0.03%
FLBR	Franklin FTSE Brazil ETF	-0.03%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.03%
EWZ	iShares MSCI Brazil ETF	-0.04%
DVYE	iShares Emerging Markets Dividend ETF	-0.08%

Emerging Most Overbought

Ticker	Fund	Price
QAT	iShares MSCI Qatar ETF	59.89
ECH	iShares MSCI Chile ETF	54.77
KSA	iShares MSCI Saudi Arabia ETF	53.17
INDY	iShares India 50 ETF	52.37
EIDO	iShares MSCI Indonesia ETF	52.36
INDA	iShares MSCI India ETF	52.18
SMIN	iShares MSCI India Small Cap ETF	52.05
PIN	Invesco India ETF	51.78
FLIN	Franklin FTSE India ETF	51.40
FRDM	Freedom 100 Emerging Markets ETF	49.44

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPOL	iShares MSCI Poland ETF	-3.35%
EWT	iShares MSCI Taiwan ETF	-1.81%
FNI	First Trust Chindia ETF	-1.67%
SMIN	iShares MSCI India Small Cap ETF	-1.48%
FLIN	Franklin FTSE India ETF	-1.47%
PGJ	Invesco Golden Dragon China ETF	-1.39%
INDA	iShares MSCI India ETF	-1.36%
EEMS	iShares MSCI Emerging Markets Small Cap ETF	-1.36%
PIN	Invesco India ETF	-1.35%
EPI	WisdomTree India Earnings Fund	-1.30%

Emerging Most Oversold

Ticker	Fund	Price
ECNS	iShares MSCI China Small-Cap ETF	36.03
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	36.75
THD	iShares MSCI Thailand ETF	37.07
FM	iShares MSCI Frontier and Select EM ETF	37.67
EPHE	iShares MSCI Philippines ETF	39.62
PIE	Invesco DWA Emerging Markets Momentum ETF	39.90
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	40.18
GXC	SPDR S&P China ETF	40.51
JPEM	J.P. Morgan Diversified Return Emerging Markets E..	40.59
FLCH	Franklin FTSE China ETF	40.62

\*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	-0.02%	2.07%	-8.86%
SHY	1-3 Year Treasury Bonds	-0.05%	0.23%	-2.95%
IEF	7-10 Year Treasury Bonds	0.04%	2.86%	-9.03%
TLT	20+ Year Treasury Bonds	0.08%	4.58%	-19.95%
TIP	TIPS Bonds	0.00%	0.73%	-7.15%
FLOT	Floating Rate Bonds	-0.06%	-0.10%	-1.02%
LQD	Investment Grade Corporate	-0.02%	2.60%	-13.85%
HYG	High Yield Corporate	-0.70%	2.17%	-10.18%
BKLN	Senior Loan	-0.62%	1.76%	-3.78%
PFF	Preferred & Income Securities	-0.18%	3.14%	-12.14%
MUB	Municipal Bonds	0.20%	1.96%	-6.41%
MBB	MBS	-0.03%	2.68%	-7.14%
EMB	Dollar Denominated EM Bonds	-0.93%	-1.00%	-19.99%
LEMB	Local Currency EM Bond	-0.33%	-2.28%	-14.64%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.83%	-1.64%	23.07%
DBE	Energy	-0.28%	-8.37%	46.78%
USO	WTI Crude Oil	-1.39%	-7.52%	38.26%
BNO	Brent Crude Oil	-0.99%	-5.05%	48.25%
UNG	Natural Gas	1.38%	41.47%	141.15%
UGA	Gasoline	-1.29%	-14.40%	51.25%
DBP	Precious Metals	0.27%	-7.20%	-10.04%
GLD	Gold	-0.12%	-5.91%	-6.39%
SLV	Silver	1.06%	-12.05%	-20.22%
PPLT	abrdn Physical Platin..	-1.04%	-4.08%	-10.01%
PALL	abrdn Physical Palla..	0.27%	6.93%	5.99%
DBB	Base Metals	1.14%	-7.56%	-16.53%
CPER	Copper	0.54%	-9.34%	-24.70%
LD	Lead	0.63%	1.66%	-12.89%
JJN	Nickel	-2.70%	-2.78%	4.17%
JJU	Aluminum	-0.99%	-1.42%	-15.25%
JJT	Tin	1.24%	2.66%	-35.16%
DBA	Agriculture	1.23%	-4.49%	0.25%
CORN	Corn	2.55%	-10.00%	12.02%
SOYB	Soybeans	2.10%	-2.90%	13.32%
WEAT	Wheat	4.11%	-12.29%	12.99%
CANE	Sugar	0.11%	-5.10%	-5.00%
BAL	Cotton	5.88%	-1.31%	3.26%
NIB	Cocoa	1.31%	-1.89%	-11.61%
JO	Coffee	1.45%	-4.70%	-5.49%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.77%	3.17%	11.82%
UDN	Short Dollar	-0.69%	-3.02%	-11.19%
FXE	Euro	-1.07%	-4.25%	-11.61%
FXB	British Pound Sterling	-0.25%	-2.11%	-11.24%
FXF	Swiss Franc	0.15%	-0.58%	-5.92%
FXJ	Japanese Yen	-0.19%	-1.25%	-16.12%
FXC	Canadian Dollar	-0.39%	0.07%	-2.12%
FXA	Australian Dollar	-0.37%	-0.14%	-4.79%

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