

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

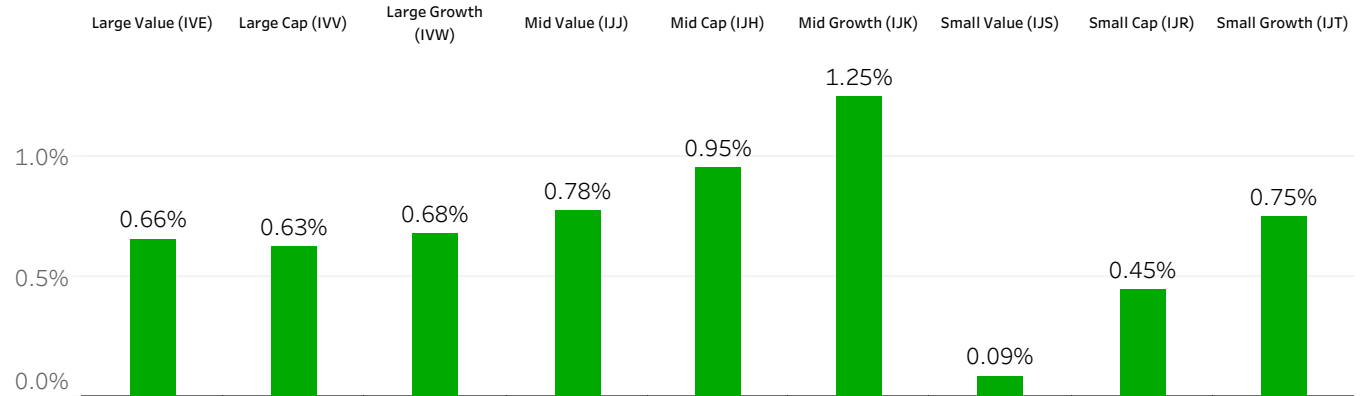


Small Cap Blend (S&P 600) IJR



■ 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
EQRR	ProShares Equities for Rising Rates ETF	3.63%
BUZZ	VanEck Social Sentiment ETF	2.18%
QVML	Invesco S&P 500 QVM Multi-factor ETF	2.06%
CLRG	IQ Chaikin U.S. Large Cap ETF	1.97%
RPG	Invesco S&P 500 Pure Growth ETF	1.81%
SPHB	Invesco S&P 500 High Beta ETF	1.64%
ALTL	Pacer Lunt Large Cap Alternator ETF	1.57%
IPO	Renaissance IPO ETF	1.56%
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	1.54%
FFTY	Innovator IBD 50 ETF	1.53%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	62.40
PTLC	Pacer Trendpilot US Large Cap ETF	58.76
EQRR	ProShares Equities for Rising Rates ETF	56.54
ONOF	Global X Adaptive U.S. Risk Management ETF	56.06
FCTR	First Trust Lunt U.S. Factor Rotation ETF	54.10
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	53.27
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	52.97
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	52.08
LSAT	Leadershares Alphafactor Tactical Focused ETF	52.07
TPHD	Timothy Plan High Dividend Stock ETF	52.05

Size & Style 1-Day Performance Laggards

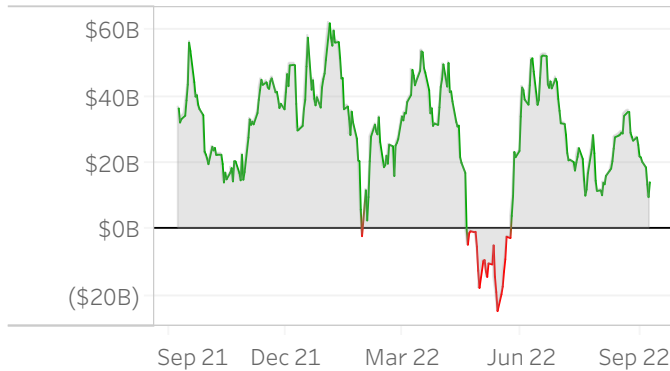
Ticker	Fund	Performance
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	-8.59%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-0.78%
CALF	Pacer US Small Cap Cash Cows 100 ETF	-0.73%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-0.62%
SIXS	ETC 6 Meridian Small Cap Equity ETF	-0.43%
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	-0.38%
SIXL	ETC 6 Meridian Low Beta Equity ETF	-0.17%
VFMV	Vanguard U.S. Minimum Volatility ETF	-0.10%
CSB	VictoryShares US Small Cap High Dividend Volatility Wt..	-0.08%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-0.07%

Size & Style Most Oversold

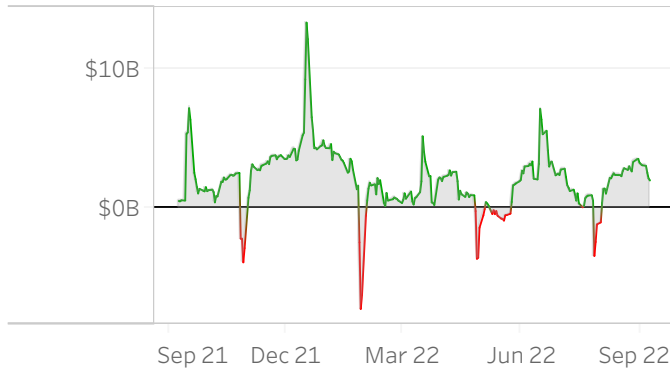
Ticker	Fund	Price
PTMC	Pacer Trendpilot US Mid Cap ETF	18.02
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	20.46
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	32.78
SIXS	ETC 6 Meridian Small Cap Equity ETF	32.85
RPHS	Regents Park Hedged Market Strategy ETF	34.31
CSB	VictoryShares US Small Cap High Dividend Volatility ..	34.64
RZV	Invesco S&P Smallcap 600 Pure Value ETF	34.81
XSVM	Invesco S&P SmallCap Value with Momentum ETF	35.51
XSLV	Invesco S&P SmallCap Low Volatility ETF	35.97
CALF	Pacer US Small Cap Cash Cows 100 ETF	36.18

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

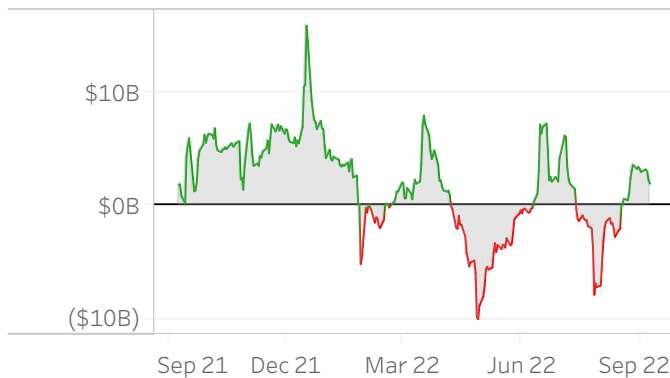
Large-Cap 30-Day Rolling Flows



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	\$1,214B	\$0.58B	\$14.44B	\$26.49B	\$107.89B
Large Cap, Beta Growth, Beta: Growth	10	\$226B	(\$0.93B)	\$6.08B	\$12.87B	\$15.54B
Large Cap, Beta Growth, Beta: Value	11	\$214B	(\$0.59B)	\$0.51B	\$4.57B	\$24.58B
Mid Cap, Beta, Beta	10	\$175B	(\$0.02B)	\$1.74B	\$5.09B	\$13.24B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.02B	\$0.84B	\$1.12B	\$1.25B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.41B)	\$0.44B	(\$0.15B)	\$1.27B
Small Cap, Beta, Beta	13	\$187B	\$0.32B	\$1.79B	(\$4.59B)	\$7.28B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.43B)	(\$0.16B)	\$0.37B	\$1.29B
Small Cap, Beta, Beta: Value	7	\$48B	(\$0.43B)	(\$1.41B)	(\$4.01B)	(\$2.40B)

U.S. Size & Style Flow Leaders

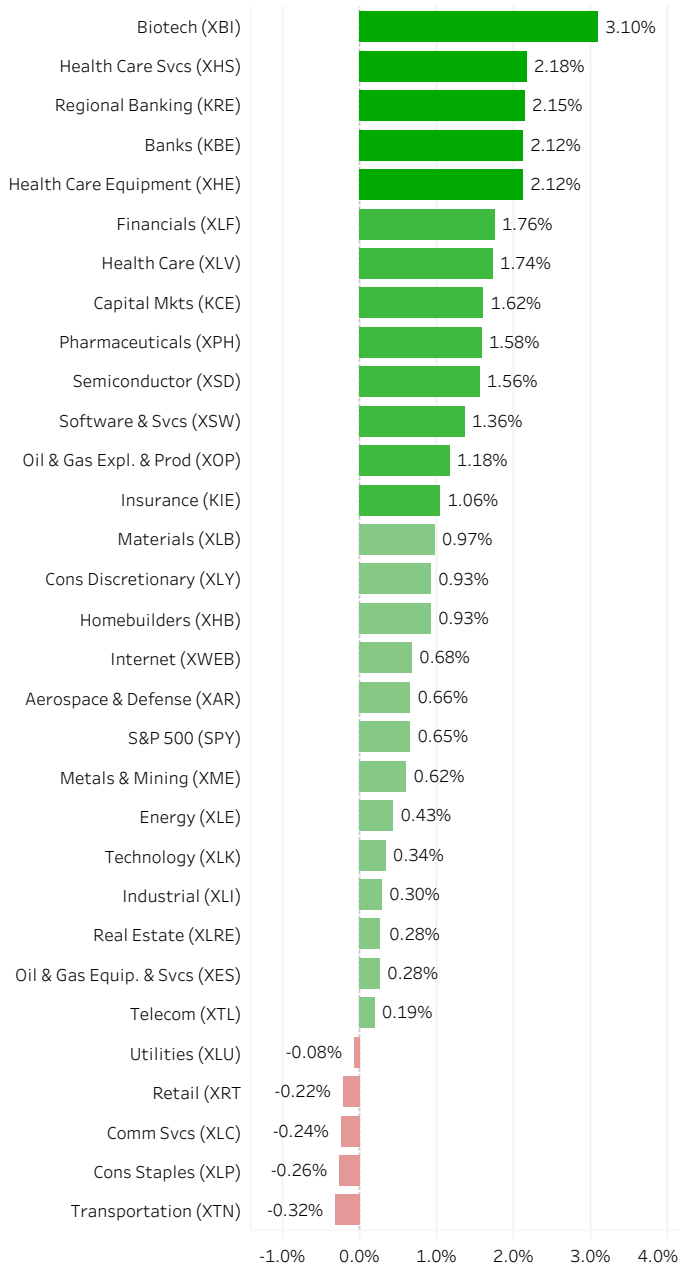
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$0.64B	\$10.15B	\$12.45B	\$43.83B	\$266.56B
IWM	iShares Russell 2000 ETF	\$0.32B	(\$0.39B)	(\$3.93B)	(\$2.47B)	\$52.70B
VTI	Vanguard Total Stock Market ETF	\$0.31B	\$6.24B	\$10.93B	\$32.49B	\$263.23B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.31B	\$1.88B	\$2.18B	\$1.70B	\$28.50B
IVV	iShares Core S&P 500 ETF	\$0.30B	\$0.84B	\$8.32B	\$30.34B	\$298.13B
SDY	SPDR S&P Dividend ETF	\$0.24B	\$1.03B	\$2.02B	\$2.44B	\$22.37B
SCHD	Schwab US Dividend Equity ETF	\$0.16B	\$3.18B	\$5.22B	\$11.78B	\$37.53B
VO	Vanguard Mid-Cap ETF	\$0.12B	\$0.86B	\$2.22B	\$5.91B	\$50.66B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.11B	\$0.13B	\$0.67B	\$0.04B	\$27.55B
VTV	Vanguard Value ETF	\$0.11B	\$1.73B	\$5.38B	\$17.75B	\$98.77B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.74B)	\$1.42B	\$2.25B	\$2.04B	\$13.79B
QQQ	Invesco QQQ Trust	(\$0.54B)	\$0.44B	\$4.08B	\$12.95B	\$163.87B
IJT	iShares S&P Small-Cap 600 Growth ETF	(\$0.41B)	\$0.21B	\$0.15B	(\$0.10B)	\$5.13B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.41B)	(\$1.35B)	(\$1.23B)	(\$1.04B)	\$6.80B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.38B)	\$0.01B	\$0.02B	(\$0.97B)	\$7.23B
IVE	iShares S&P 500 Value ETF	(\$0.37B)	(\$0.29B)	\$0.52B	\$2.22B	\$23.72B
MGV	Vanguard Mega Cap Value ETF	(\$0.26B)	(\$0.05B)	\$0.57B	\$1.03B	\$5.36B
IWF	iShares Russell 1000 Growth ETF	(\$0.18B)	\$0.27B	\$1.14B	(\$0.24B)	\$61.20B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.16B)	(\$1.33B)	(\$1.01B)	(\$2.10B)	\$18.70B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.14B)	\$0.77B	\$2.27B	\$2.83B	\$11.02B

\* 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	-0.86%	21.26%	4.94%	7.96%	61.61
XLP	Consumer Staples Select Sector SPDR Fund	-9.07%	6.48%	-1.18%	-2.20%	43.39
XLV	Health Care Select Sector SPDR Fund	-9.43%	7.90%	-0.44%	-1.87%	52.15
XLI	Industrial Select Sector SPDR Fund	-12.18%	10.02%	0.95%	-3.38%	47.27
XLE	Energy Select Sector SPDR Fund	-14.78%	61.11%	4.10%	7.82%	49.60
XLB	Materials Select Sector SPDR Fund	-15.12%	8.43%	0.91%	-7.13%	49.91
SPY	SPDR S&P 500 ETF Trust	-16.19%	9.44%	-0.39%	-5.84%	46.04
XLRE	Real Estate Select Sector SPDR Fund	-17.72%	9.73%	-0.41%	-6.16%	47.70
XLF	Financial Select Sector SPDR Fund	-17.79%	10.77%	2.29%	-5.81%	54.23
XLY	Consumer Discretionary Select Sector SPDR Fund	-23.65%	19.90%	2.87%	-5.20%	52.84
XLK	Technology Select Sector SPDR Fund	-23.84%	8.95%	-3.24%	-9.28%	38.87
XLC	Communication Services Select Sector SPDR Fund	-34.37%	1.94%	-3.77%	-15.83%	41.16

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FBT	First Trust NYSE Arca Biotechnology Index Fund	3.38%
IBB	iShares Biotechnology ETF	3.33%
XBI	SPDR S&P BIOTECH ETF	3.10%
KBWB	Invesco KBW Bank ETF	3.09%
FTXO	First Trust Nasdaq Bank ETF	2.69%
IAT	iShares U.S. Regional Banks ETF	2.66%
IHI	iShares U.S. Medical Devices ETF	2.27%
PBE	Invesco Dynamic Biotechnology & Genome ETF	2.27%
PTH	Invesco DWA Healthcare Momentum ETF	2.27%
PINK	Simplify Health Care ETF	2.20%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IDU	iShares U.S. Utilities ETF	62.38
RYU	Invesco S&P 500 Equal Weight Utilities ETF	62.05
UTES	Virtus Reaves Utilities ETF	61.89
XLU	Utilities Select Sector SPDR Fund	61.61
VPU	Vanguard Utilities ETF	60.94
FUTY	Fidelity MSCI Utilities Index ETF	60.81
PTH	Invesco DWA Healthcare Momentum ETF	60.05
FXU	First Trust Utilities AlphaDEX Fund	59.59
PUI	Invesco DWA Utilities Momentum ETF	58.43
IAK	iShares U.S. Insurance ETF	56.82

### Sector & Industry 1 Day Performance Laggards

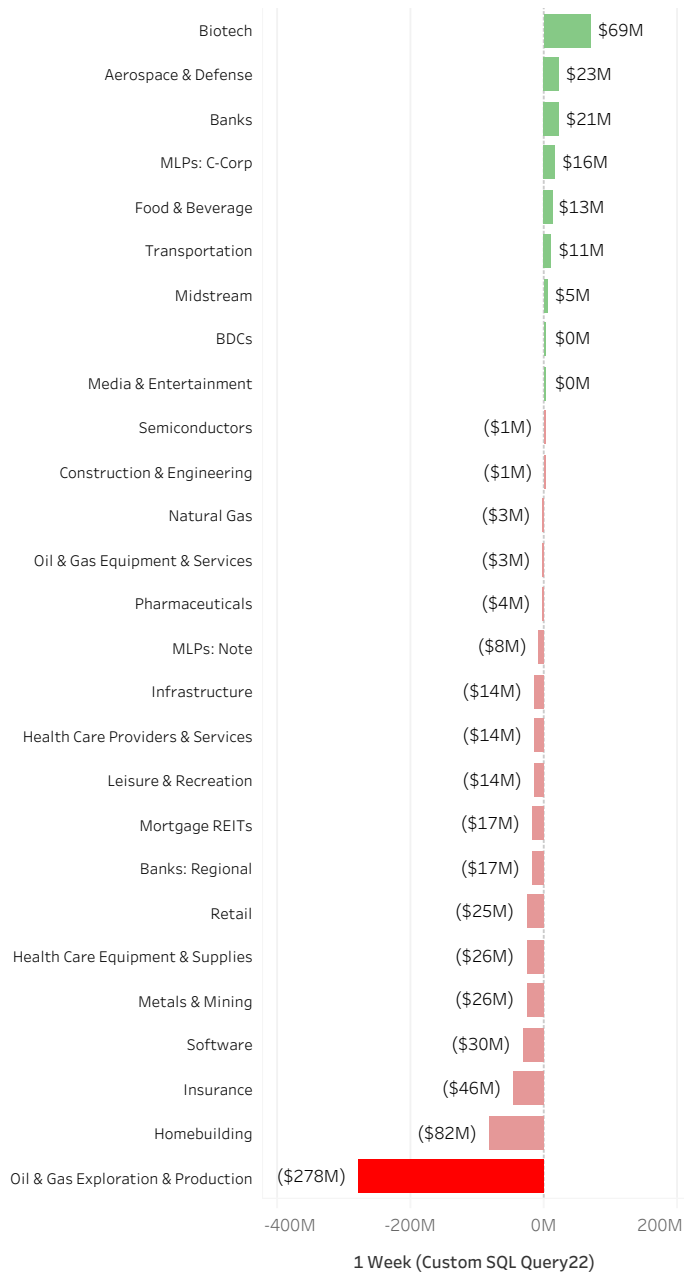
Ticker	Fund	1 Day Performance
NETL	NETLease Corporate Real Estate ETF	-0.78%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-0.69%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-0.51%
PSCI	Invesco S&P SmallCap Industrials ETF	-0.40%
XTN	SPDR S&P Transportation ETF	-0.32%
PBJ	Invesco Dynamic Food & Beverage ETF	-0.31%
FXG	First Trust Consumer Staples AlphaDEX Fund	-0.30%
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.26%
XLP	Consumer Staples Select Sector SPDR Fund	-0.26%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPL..	-0.25%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	35.66
PSCI	Invesco S&P SmallCap Industrials ETF	35.95
KBWY	Invesco KBW Premium Yield Equity REIT ETF	36.29
NETL	NETLease Corporate Real Estate ETF	36.42
PSCT	Invesco S&P SmallCap Information Technology ETF	38.71
XLK	Technology Select Sector SPDR Fund	38.87
PSCC	Invesco S&P SmallCap Consumer Staples ETF	38.91
IYW	iShares U.S. Technology ETF	39.22
MORT	VanEck Mortgage REIT Income ETF	39.49
FTEC	Fidelity MSCI Information Technology Index ETF	39.73

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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	8	\$13B	(\$75M)	\$183M	(\$312M)	(\$1,372M)
Consumer Discretionary	13	\$24B	\$168M	(\$922M)	(\$3,135M)	(\$4,407M)
Consumer Staples	11	\$28B	(\$220M)	\$885M	\$2,528M	\$5,935M
Energy	34	\$74B	(\$1,065M)	(\$5,495M)	(\$6,633M)	\$1,795M
Financials	27	\$60B	(\$830M)	(\$731M)	(\$12,139M)	(\$6,720M)
Health Care	24	\$90B	(\$174M)	\$1,244M	\$7,091M	\$11,223M
Industrial	14	\$28B	(\$308M)	(\$1,301M)	(\$3,235M)	(\$4,065M)
Materials	10	\$14B	(\$120M)	(\$2,723M)	(\$1,334M)	(\$1,163M)
Multi-Sector	19	\$14B	(\$113M)	(\$1,745M)	(\$4,145M)	(\$4,606M)
Real Estate	25	\$67B	(\$242M)	(\$2,658M)	(\$3,662M)	(\$907M)
Technology	24	\$111B	(\$79M)	(\$192M)	\$1,140M	\$2,174M
Utilities	10	\$29B	\$24M	\$1,400M	\$4,875M	\$5,158M

## U.S. Sector & Industry Flow Leaders

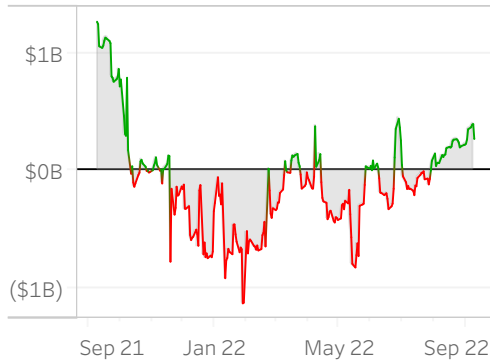
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$209M	(\$695M)	(\$1,116M)	(\$856M)	\$15,970M
XBI	SPDR S&P BIOTECH ETF	\$142M	\$116M	\$997M	\$3,120M	\$7,664M
XLRE	Real Estate Select Sector SPDR Fund	\$61M	\$105M	\$459M	\$1,580M	\$5,356M
XLK	Technology Select Sector SPDR Fund	\$47M	\$432M	\$793M	\$2,258M	\$40,435M
VDC	Vanguard Consumer Staples ETF	\$28M	\$352M	\$166M	\$789M	\$6,796M
KBE	SPDR S&P Bank ETF	\$26M	(\$362M)	(\$826M)	(\$783M)	\$2,070M
VPU	Vanguard Utilities ETF	\$24M	\$83M	\$32M	\$516M	\$6,284M
AML	Alerian MLP ETF	\$21M	(\$277M)	(\$49M)	\$508M	\$6,583M
IDU	iShares U.S. Utilities ETF	\$19M	(\$8M)	\$101M	\$128M	\$1,093M
ITA	iShares U.S. Aerospace & Defense ETF	\$15M	\$131M	\$885M	\$1,102M	\$3,782M

## U.S. Sector & Industry Flow Laggards

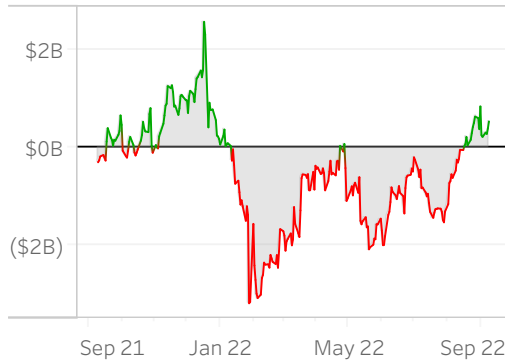
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$810M)	(\$2,865M)	(\$3,683M)	(\$696M)	\$35,945M
XLF	Financial Select Sector SPDR Fund	(\$767M)	\$484M	(\$6,553M)	(\$3,021M)	\$32,622M
XLI	Industrial Select Sector SPDR Fund	(\$331M)	(\$923M)	(\$2,440M)	(\$3,678M)	\$12,849M
IYR	iShares U.S. Real Estate ETF	(\$287M)	(\$787M)	(\$1,236M)	(\$2,905M)	\$3,917M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$278M)	(\$508M)	(\$1,636M)	(\$739M)	\$4,258M
XLP	Consumer Staples Select Sector SPDR Fund	(\$265M)	\$164M	(\$23M)	\$2,317M	\$15,464M
XLV	Health Care Select Sector SPDR Fund	(\$163M)	\$304M	\$5,345M	\$7,293M	\$38,234M
XLB	Materials Select Sector SPDR Fund	(\$87M)	(\$1,222M)	(\$884M)	(\$1,617M)	\$5,514M
IBB	iShares Biotechnology ETF	(\$73M)	(\$95M)	(\$114M)	(\$90M)	\$7,742M
XHB	SPDR S&P Homebuilders ETF	(\$70M)	(\$110M)	(\$829M)	(\$475M)	\$919M

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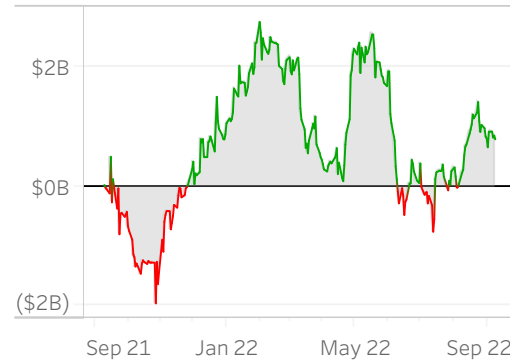
Communication Services



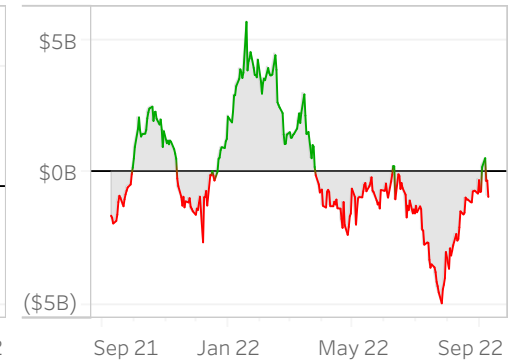
Consumer Discretionary



Consumer Staples



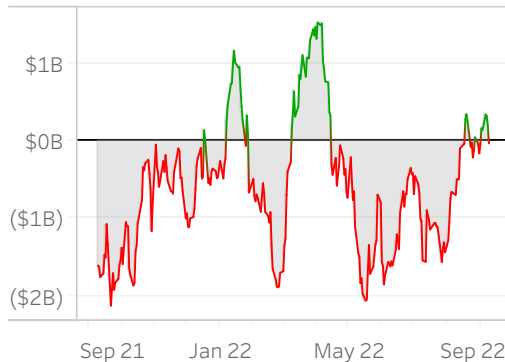
Energy



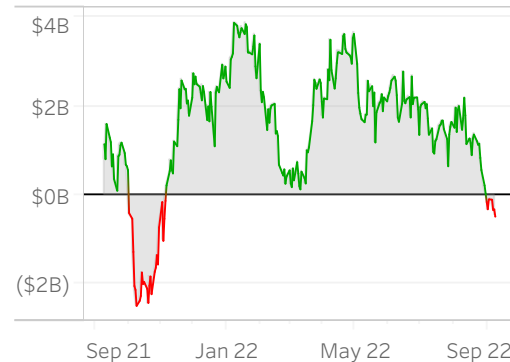
Financials



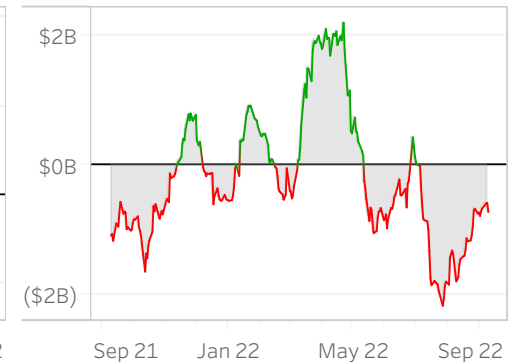
Industrial



Health Care



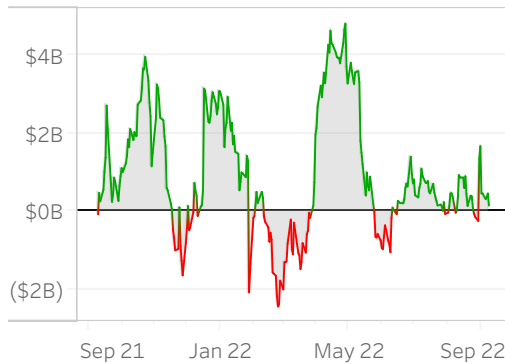
Materials



Real Estate



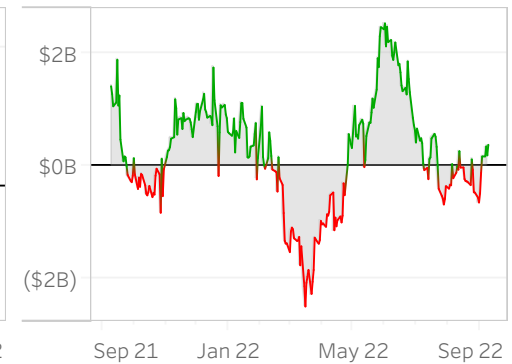
Technology



Utilities

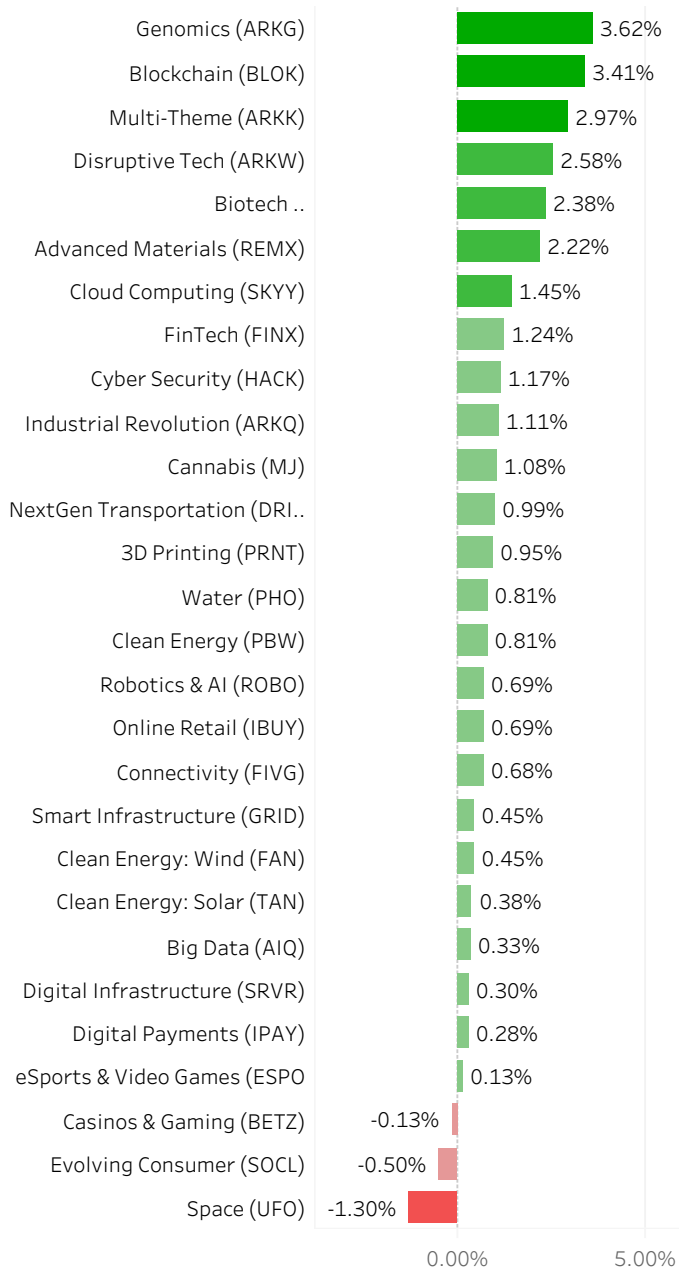


Multi-Sector

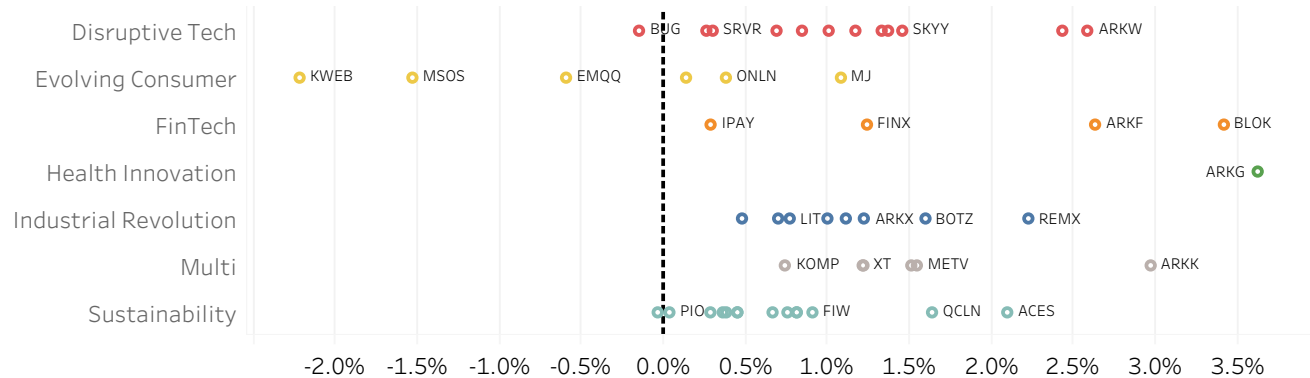


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
BKCH	Global X Blockchain ETF	6.86%
BITQ	Bitwise Crypto Industry Innovators ETF	5.56%
ARKG	ARK Genomic Revolution ETF	3.62%
BLOK	Amplify Transformational Data Sharing ETF	3.41%
BTEC	Principal Healthcare Innovators ETF	3.17%
ARKK	ARK Innovation ETF	2.97%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	2.80%
GNOM	Global X Genomics & Biotechnology ETF	2.79%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	2.78%
ARKF	ARK Fintech Innovation ETF	2.63%

## Thematic Most Overbought

Ticker	Fund	Price
ACES	ALPS Clean Energy ETF	62.20
TAN	Invesco Solar ETF	59.95
CNRG	SPDR S&P Kensho Clean Power ETF	59.12
ICLN	iShares Global Clean Energy ETF	58.95
EVX	VanEck Environmental Services ETF	58.47
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	58.30
REMX	VanEck Rare Earth/Strategic Metals ETF	56.88
CTEC	Global X CleanTech ETF	56.48
BTEC	Principal Healthcare Innovators ETF	55.85
SBIO	ALPS Medical Breakthroughs ETF	53.46

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
KWEB	KraneShares CSI China Internet ETF	-2.22%
MSOS	AdvisorShares Pure US Cannabis ETF	-1.54%
UFO	Procore Space ETF	-1.30%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.09%
YOLO	AdvisorShares Pure Cannabis ETF	-0.94%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-0.90%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-0.60%
SOCL	Global X Social Media ETF	-0.50%
RNRG	Global X Funds Global X Renewable Energy Producers ..	-0.40%
HERO	Global X Video Games & Esports ETF	-0.25%

## Thematic Most Oversold

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	26.46
GAMR	Wedbush ETFMG Video Game Tech ETF	29.30
HERO	Global X Video Games & Esports ETF	30.95
PAWZ	ProShares Pet Care ETF	31.61
ESPO	VanEck Video Gaming and eSports ETF	31.62
NXTG	First Trust Indxx NextG ETF	34.15
KSTR	KraneShares SSE STAR Market 50 Index ETF	36.81
VPN	Global X Data Center REITs & Digital Infrastructure ETF	37.23
KLDW	Knowledge Leaders Developed World ETF	37.47
QTUM	Defiance Quantum ETF	37.56

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$29M
SKYY	First Trust Cloud Computing ETF	\$17M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$14M
WCLD	WisdomTree Cloud Computing Fund	\$8M
HERO	Global X Video Games & Esports ETF	\$5M
TARK	AXS 2X Innovation ETF	\$4M
BKCH	Global X Blockchain ETF	\$3M
AIQ	Global X Artificial Intelligence & Technology ETF	\$2M
POTX	Global X Cannabis ETF	\$2M
RNRG	Global X Funds Global X Renewable Energy Producers ETF	\$2M

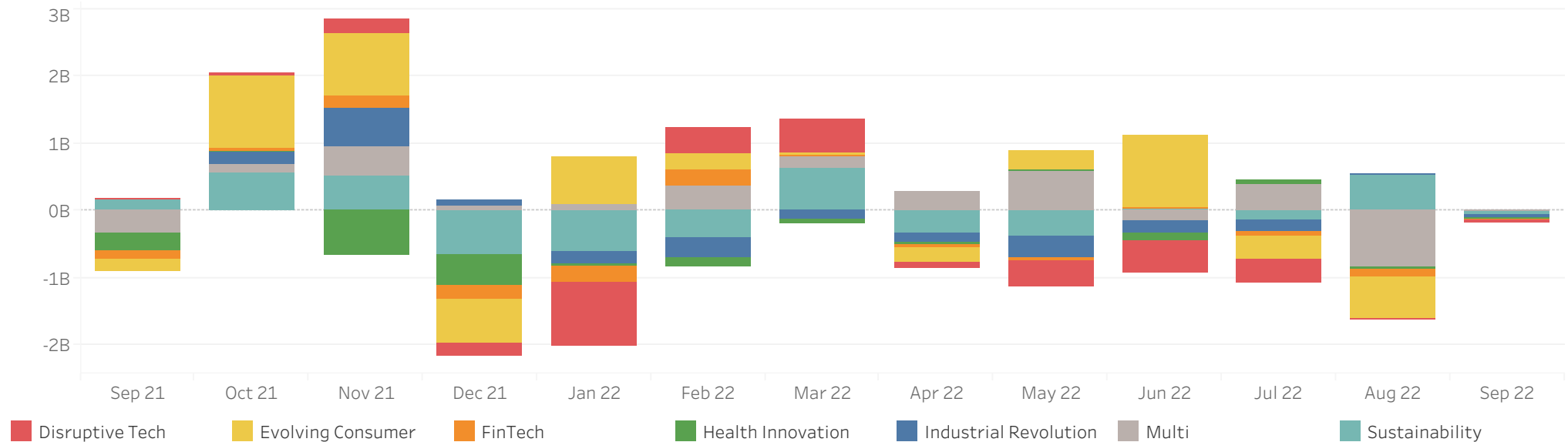
## Thematic 1 Week Flow Laggards

Ticker	Fund	
PBW	Invesco WilderHill Clean Energy ETF	(\$36M)
LIT	Global X Lithium & Battery Tech ETF	(\$24M)
KWEB	KraneShares CSI China Internet ETF	(\$19M)
HACK	ETFMG Prime Cyber Security ETF	(\$18M)
XT	iShares Exponential Technologies ETF	(\$14M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$12M)
ARKF	ARK Fintech Innovation ETF	(\$11M)
BLOK	Amplify Transformational Data Sharing ETF	(\$9M)
FIVG	Defiance Next Gen Connectivity ETF	(\$8M)
ARKG	ARK Genomic Revolution ETF	(\$7M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$25M)	(\$638M)	(\$1,278M)	(\$1,348M)
Evolving Consumer	47	\$10B	(\$12M)	(\$209M)	\$626M	\$2,336M
FinTech	24	\$3B	(\$14M)	(\$197M)	(\$268M)	(\$388M)
Health Innovation	19	\$4B	(\$9M)	(\$115M)	(\$90M)	(\$1,747M)
Industrial Revolution	32	\$12B	(\$35M)	(\$360M)	(\$965M)	(\$622M)
Multi	41	\$15B	(\$4M)	(\$353M)	\$84M	\$1,241M
Sustainability	42	\$20B	(\$64M)	\$471M	(\$41M)	(\$163M)
Grand Total	240	\$82B	(\$162M)	(\$1,400M)	(\$1,932M)	(\$691M)

## Thematic Monthly Flows

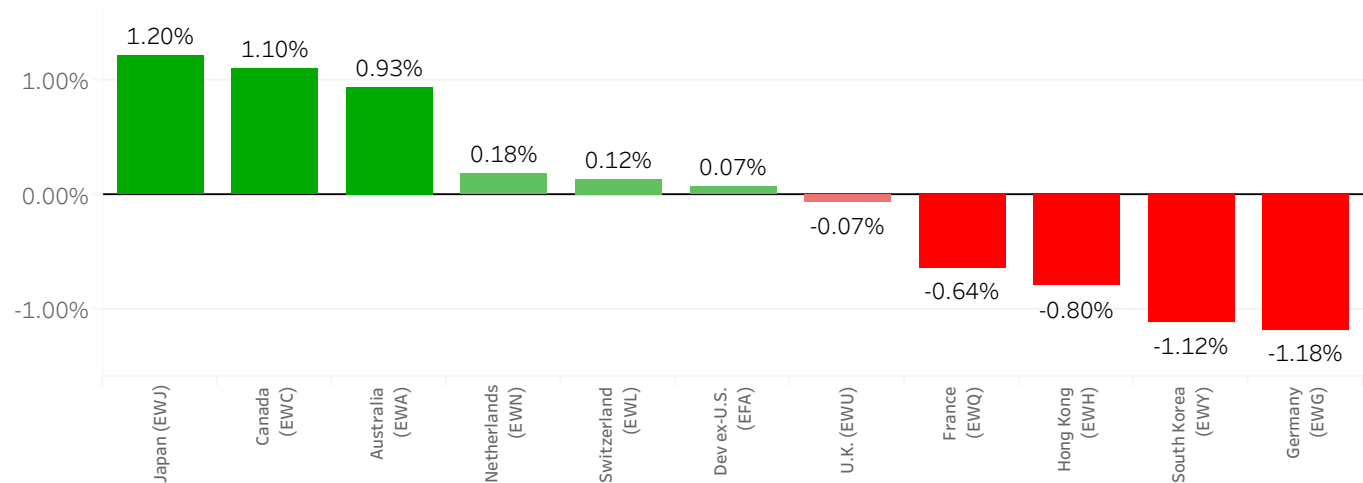


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

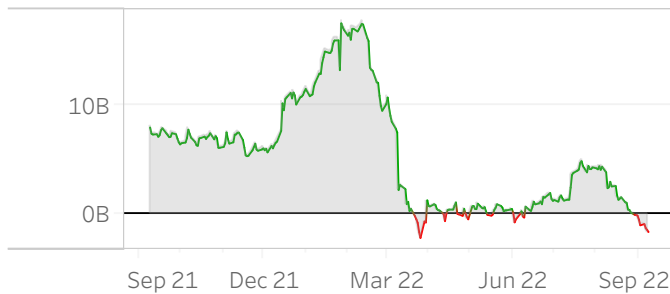
Developed ex-U.S. (EFA)



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



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



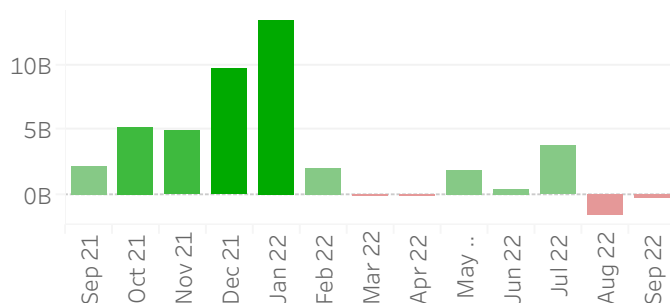
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DXJ	WisdomTree Japan Hedged Equity Fund	1.47%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.42%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.21%
EWJ	iShares MSCI Japan ETF	1.20%
BBJP	JPMorgan BetaBuilders Japan ETF	1.19%
EWC	iShares MSCI Canada ETF	1.10%
DFJ	WisdomTree Japan SmallCap Dividend Fund	1.05%
BBCA	JPMorgan BetaBuilders Canada ETF	1.05%
EWJV	iShares MSCI Japan Value ETF	1.03%
FLJP	Franklin FTSE Japan ETF	1.01%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	55.83
HEWJ	iShares Currency Hedged MSCI Japan ETF	54.00
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	53.23
PTIN	Pacer Trendpilot International ETF	49.80
EWO	iShares MSCI Austria ETF	46.53
BBCA	JPMorgan BetaBuilders Canada ETF	45.22
EWC	iShares MSCI Canada ETF	45.04
ENZL	iShares MSCI New Zealand ETF	44.72
ISRA	VanEck Israel ETF	43.97
FLCA	Franklin FTSE Canada ETF	43.94

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWG	iShares MSCI Germany ETF	-1.18%
CIL	VictoryShares International Volatility Wtd ETF	-1.15%
AIA	iShares Asia 50 ETF	-1.13%
EWY	iShares MSCI South Korea ETF	-1.12%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.86%
EWH	iShares MSCI Hong Kong ETF	-0.80%
EWQ	iShares MSCI France ETF	-0.64%
FEZ	SPDR EURO STOXX 50 ETF	-0.59%
DFE	WisdomTree Europe SmallCap Dividend Fund	-0.54%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.53%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
QLVD	FlexShares Developed Markets ex-US Quality Low V..	22.28
IDV	iShares International Select Dividend ETF	28.97
JPIN	J.P. Morgan Diversified Return International Equity ..	29.27
ICOW	Pacer Developed Markets International Cash Cows 1..	29.41
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	29.46
RFDI	First Trust Riverfront Dynamic Developed Internatio..	29.84
DEEF	Xtrackers FTSE Developed ex US Multifactor ETF	30.15
GSID	Goldman Sachs MarketBeta International Equity ETF	30.19
IDOG	ALPS International Sector Dividend Dogs ETF	30.31
EFAV	iShares MSCI EAFE Min Vol Factor ETF	30.39

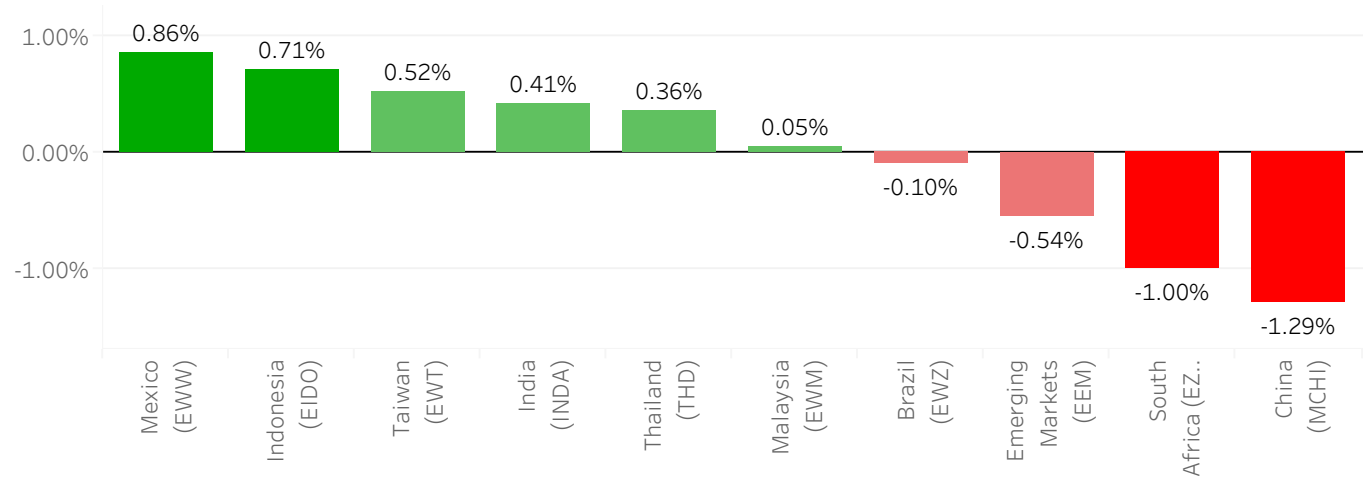
\* ETF Landscape represented using the ETF Action classification system \*\* Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\* Flows delayed one day



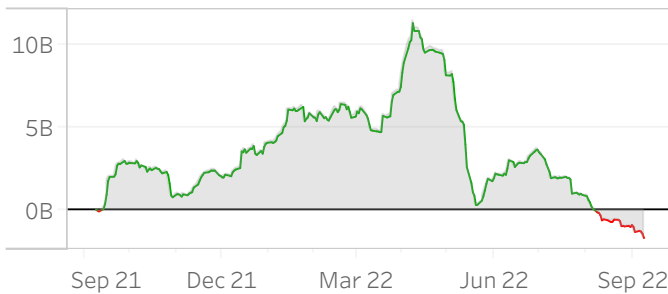
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



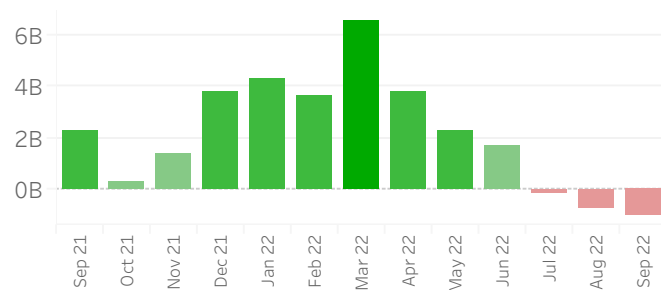
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
NFTY	First Trust India NIFTY 50 Equal Weight ETF	1.81%
ECH	iShares MSCI Chile ETF	1.41%
EWW	iShares MSCI Mexico ETF	0.86%
EPU	iShares MSCI Peru ETF	0.84%
EIDO	iShares MSCI Indonesia ETF	0.71%
EWT	iShares MSCI Taiwan ETF	0.52%
ILF	iShares Latin America 40 ETF	0.49%
EPI	WisdomTree India Earnings Fund	0.42%
EYLD	Cambria Emerging Shareholder Yield ETF	0.41%
INDA	iShares MSCI India ETF	0.41%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	79.03
SMIN	iShares MSCI India Small Cap ETF	68.30
EIDO	iShares MSCI Indonesia ETF	63.97
NFTY	First Trust India NIFTY 50 Equal Weight ETF	62.47
EPI	WisdomTree India Earnings Fund	62.42
FLIN	Franklin FTSE India ETF	61.49
PIN	Invesco India ETF	60.30
INDA	iShares MSCI India ETF	60.12
INDY	iShares India 50 ETF	59.04
ECH	iShares MSCI Chile ETF	58.83

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	-1.65%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.56%
MCHI	iShares MSCI China ETF	-1.29%
FXI	iShares China Large-Cap ETF	-1.27%
GXC	SPDR S&P China ETF	-1.26%
FLCH	Franklin FTSE China ETF	-1.14%
EZA	iShares MSCI South Africa ETF	-1.00%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-0.93%
JHEM	John Hancock Multifactor Emerging Markets ETF	-0.79%
DEHP	Dimensional Emerging Markets High Profitability ETF	-0.77%

Emerging Most Oversold

Ticker	Fund	Value
EDIV	SPDR S&P Emerging Markets Dividend ETF	32.27
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	33.10
NUEM	Nuveen ESG Emerging Markets Equity ETF	34.05
KSA	iShares MSCI Saudi Arabia ETF	34.21
EPOL	iShares MSCI Poland ETF	35.02
QAT	iShares MSCI Qatar ETF	35.04
EWT	iShares MSCI Taiwan ETF	35.16
GEM	Goldman Sachs ActiveBeta Emerging Markets Equit..	35.36
ESGE	iShares ESG Aware MSCI EM ETF	35.43
LDEM	iShares ESG MSCI EM Leaders ETF	35.52

\* 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	-0.32%	-3.09%	-11.32%
SHY	1-3 Year Treasury Bonds	-0.12%	-0.36%	-3.43%
IEF	7-10 Year Treasury Bonds	-0.37%	-4.16%	-12.41%
TLT	20+ Year Treasury Bonds	-1.03%	-8.49%	-26.07%
TIP	TIPS Bonds	-0.56%	-3.00%	-8.85%
FLOT	Floating Rate Bonds	0.00%	0.57%	-0.04%
LQD	Investment Grade Corporate	-0.23%	-4.44%	-16.87%
HYG	High Yield Corporate	0.44%	-2.85%	-10.36%
BKLN	Senior Loan	0.19%	-1.37%	-3.04%
PFF	Preferred & Income Securities	-0.45%	-5.96%	-14.09%
MUB	Municipal Bonds	-0.15%	-2.43%	-8.45%
MBB	MBS	-0.40%	-3.32%	-9.86%
EMB	Dollar Denominated EM Bonds	0.04%	-4.29%	-19.06%
LEMB	Local Currency EM Bond	-0.18%	-1.13%	-13.59%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.85%	-0.86%	20.21%
DBE	Energy	0.51%	-2.23%	38.58%
USO	WTI Crude Oil	0.70%	-7.41%	25.26%
BNO	Brent Crude Oil	0.87%	-7.46%	33.48%
UNG	Natural Gas	1.93%	4.76%	120.42%
UGA	Gasoline	0.76%	-12.74%	23.73%
DBP	Precious Metals	-0.52%	-6.11%	-10.92%
GLD	Gold	-0.60%	-4.63%	-7.01%
SLV	Silver	0.18%	-10.51%	-20.83%
PPLT	abrdn Physical Platin..	1.53%	-6.37%	-9.02%
PALL	abrdn Physical Palla..	5.00%	-4.26%	12.73%
DBB	Base Metals	1.79%	-4.72%	-15.63%
CPER	Copper	2.99%	-1.89%	-21.61%
LD	Lead	-0.62%	-14.19%	-19.13%
JJN	Nickel	0.79%	1.49%	6.54%
JJU	Aluminum	1.68%	-6.75%	-18.94%
JJT	Tin	2.78%	-11.71%	-43.63%
DBA	Agriculture	-0.05%	1.05%	2.73%
CORN	Corn	-0.30%	8.43%	24.19%
SOYB	Soybeans	0.19%	-0.53%	15.03%
WEAT	Wheat	-1.28%	2.66%	14.75%
CANE	Sugar	-0.67%	-1.34%	-4.02%
BAL	Cotton	2.07%	8.67%	11.53%
NIB	Cocoa	-1.42%	-3.14%	-16.21%
JO	Coffee	-0.04%	7.69%	1.39%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.20%	3.30%	14.71%
UDN	Short Dollar	-0.11%	-3.25%	-13.34%
FXE	Euro	-0.11%	-1.94%	-12.69%
FXB	British Pound Sterling	-0.29%	-4.73%	-15.02%
FXF	Swiss Franc	0.58%	-1.58%	-6.77%
FXJ	Japanese Yen	-0.14%	-6.21%	-20.31%
FXC	Canadian Dollar	0.13%	-1.75%	-3.62%
FXA	Australian Dollar	-0.26%	-3.28%	-7.27%

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

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