

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

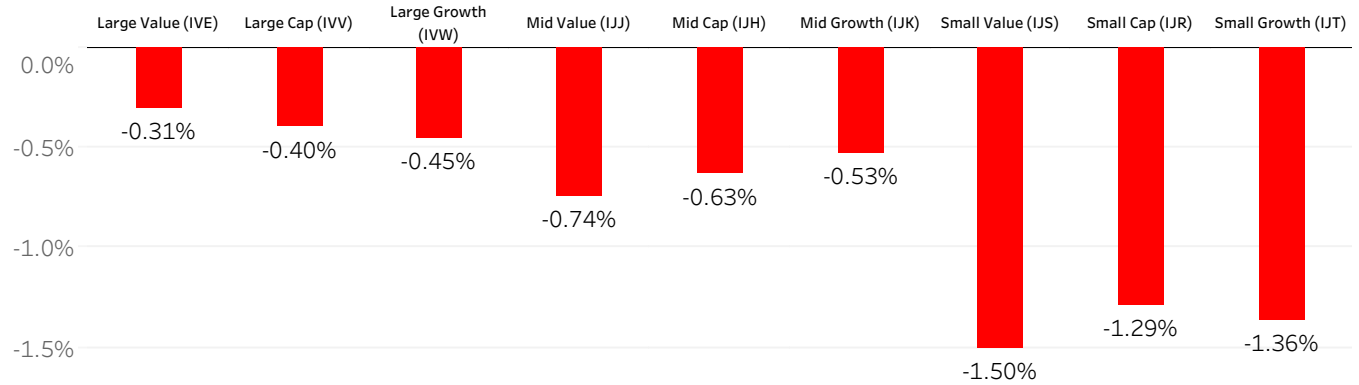


Small Cap Blend (S&P 600) IJR



■ 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	1.48%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	0.37%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.23%
LCG	Sterling Capital Focus Equity ETF	0.22%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.05%
TMFM	Motley Fool Mid-Cap Growth ETF	0.05%
FTCS	First Trust Capital Strength ETF	0.03%
PTLC	Pacer Trendpilot US Large Cap ETF	0.03%
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	0.00%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	-0.01%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	64.95
PTLC	Pacer Trendpilot US Large Cap ETF	64.12
ONOF	Global X Adaptive U.S. Risk Management ETF	56.85
LSAT	Leadershares Alphafactor Tactical Focused ETF	51.30
EQRR	ProShares Equities for Rising Rates ETF	48.82
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	47.13
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	41.14
PDP	Invesco DWA Momentum ETF	40.27
TPHD	Timothy Plan High Dividend Stock ETF	39.44
PWV	Invesco Dynamic Large Cap Value ETF	39.41

Size & Style 1-Day Performance Laggards

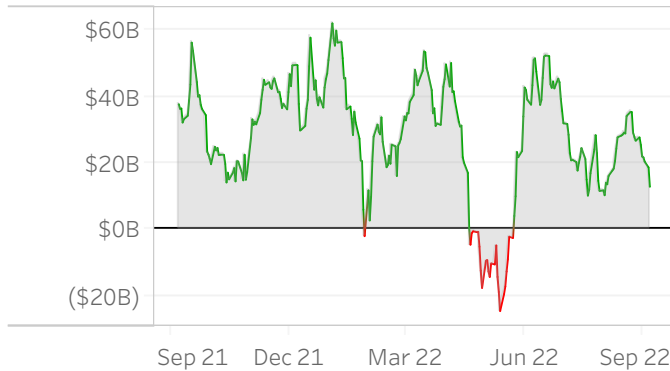
Ticker	Fund	1-Day Performance
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	-10.37%
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	-5.94%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-2.00%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-1.86%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-1.84%
EWSC	Invesco S&P Smallcap 600 Equal Weight ETF	-1.82%
CALF	Pacer US Small Cap Cash Cows 100 ETF	-1.81%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-1.71%
ACSI	American Customer Satisfaction ETF	-1.64%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-1.57%

Size & Style Most Oversold

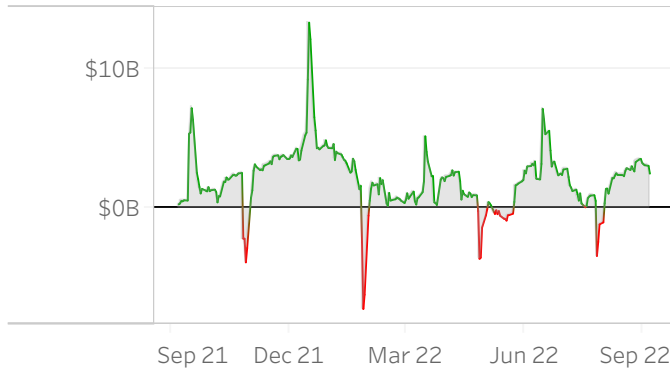
Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	17.36
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	19.84
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	23.88
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	24.56
QVML	Invesco S&P 500 QVM Multi-factor ETF	26.26
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	26.36
HKND	Humankind US Stock ETF	27.43
SIXS	ETC 6 Meridian Small Cap Equity ETF	27.54
LGH	HCM Defender 500 Index ETF	27.68
XSLV	Invesco S&P SmallCap Low Volatility ETF	28.32

\*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	\$1,194B	(\$1.66B)	\$17.87B	\$29.79B	\$105.67B
Large Cap, Beta Growth, Beta: Growth	10	\$223B	(\$0.62B)	\$6.93B	\$13.94B	\$16.62B
Large Cap, Beta Growth, Beta: Value	11	\$211B	(\$0.01B)	\$1.01B	\$5.51B	\$24.91B
Mid Cap, Beta, Beta	10	\$172B	\$0.01B	\$1.37B	\$5.15B	\$13.30B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.00B	\$0.77B	\$1.10B	\$1.28B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.01B)	\$0.83B	\$0.13B	\$1.66B
Small Cap, Beta, Beta	13	\$185B	\$0.14B	\$1.47B	(\$2.74B)	\$7.06B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.04B)	\$0.25B	\$0.84B	\$1.81B
Small Cap, Beta, Beta: Value	7	\$48B	(\$0.07B)	(\$0.94B)	(\$3.64B)	(\$1.92B)

U.S. Size & Style Flow Leaders

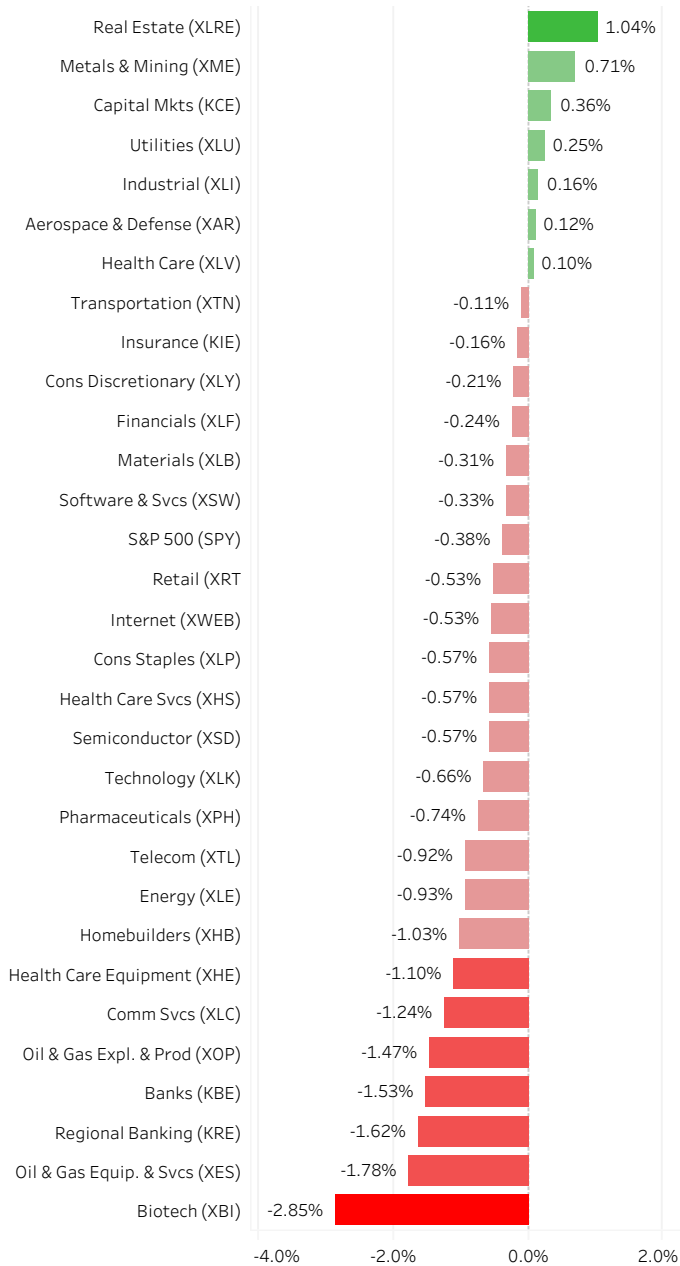
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$0.61B	\$14.18B	\$12.77B	\$43.36B	\$262.31B
VTI	Vanguard Total Stock Market ETF	\$0.28B	\$5.81B	\$10.91B	\$32.79B	\$259.39B
SDY	SPDR S&P Dividend ETF	\$0.20B	\$1.01B	\$2.00B	\$2.41B	\$22.02B
VTV	Vanguard Value ETF	\$0.19B	\$1.80B	\$5.33B	\$17.70B	\$97.54B
SCHD	Schwab US Dividend Equity ETF	\$0.13B	\$3.23B	\$5.19B	\$11.80B	\$37.07B
IWB	iShares Russell 1000 ETF	\$0.11B	\$0.28B	\$1.09B	\$0.56B	\$27.10B
IWM	iShares Russell 2000 ETF	\$0.11B	(\$0.68B)	(\$2.14B)	(\$2.75B)	\$51.69B
VIG	Vanguard Dividend Appreciation ETF	\$0.09B	\$0.32B	\$1.95B	\$4.07B	\$61.55B
IWD	iShares Russell 1000 Value ETF	\$0.09B	(\$0.77B)	(\$0.97B)	\$0.66B	\$51.30B
COWZ	Pacer US Cash Cows 100 ETF	\$0.08B	\$1.53B	\$5.11B	\$6.99B	\$7.31B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$1.77B)	(\$2.01B)	(\$3.08B)	\$5.29B	\$353.77B
QQQ	Invesco QQQ Trust	(\$0.65B)	\$1.21B	\$5.85B	\$12.26B	\$161.39B
MGV	Vanguard Mega Cap Value ETF	(\$0.26B)	(\$0.05B)	\$0.58B	\$1.03B	\$5.31B
IWF	iShares Russell 1000 Growth ETF	(\$0.24B)	\$0.27B	\$1.33B	(\$0.24B)	\$60.28B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.24B)	(\$0.96B)	(\$2.93B)	(\$6.62B)	\$8.31B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.18B)	(\$1.32B)	(\$0.86B)	(\$2.52B)	\$18.50B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.15B)	\$2.11B	\$2.92B	\$3.01B	\$14.29B
VUG	Vanguard Growth ETF	(\$0.13B)	\$2.57B	\$5.95B	\$7.08B	\$73.15B
NULV	Nuveen ESG Large-Cap Value ETF	(\$0.11B)	\$0.14B	\$0.27B	\$0.59B	\$1.50B
IVV	iShares Core S&P 500 ETF	(\$0.08B)	\$0.66B	\$8.10B	\$30.54B	\$293.69B

\* 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	-3.79%	17.67%	2.24%	4.93%	49.20
XLP	Consumer Staples Select Sector SPDR Fund	-10.45%	4.87%	-2.62%	-3.64%	33.39
XLV	Health Care Select Sector SPDR Fund	-12.41%	4.35%	-3.72%	-5.10%	36.65
XLI	Industrial Select Sector SPDR Fund	-13.83%	7.96%	-0.65%	-5.26%	38.47
XLE	Energy Select Sector SPDR Fund	-14.15%	67.70%	5.21%	8.97%	51.33
SPY	SPDR S&P 500 ETF Trust	-18.20%	6.81%	-2.59%	-8.22%	34.54
XLB	Materials Select Sector SPDR Fund	-18.20%	4.50%	-2.63%	-10.59%	35.77
XLRE	Real Estate Select Sector SPDR Fund	-19.49%	7.36%	-2.41%	-8.28%	38.87
XLF	Financial Select Sector SPDR Fund	-20.79%	6.73%	-1.18%	-9.34%	38.98
XLK	Technology Select Sector SPDR Fund	-25.29%	6.87%	-4.91%	-11.21%	31.42
XLY	Consumer Discretionary Select Sector SPDR Fund	-26.61%	15.26%	-0.55%	-9.09%	40.60
XLC	Communication Services Select Sector SPDR Fund	-35.51%	0.17%	-5.47%	-17.55%	34.60

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
NURE	Nuveen Short-Term REIT ETF	1.54%
REZ	iShares Residential and Multisector Real Estate E..	1.48%
JPRE	JPMorgan Realty Income ETF	1.21%
ICF	iShares Cohen & Steers REIT ETF	1.16%
DFAR	Dimensional US Real Estate ETF	1.16%
IYR	iShares U.S. Real Estate ETF	1.15%
USRT	iShares Core U.S. REIT ETF	1.11%
RWR	SPDR Dow Jones REIT ETF	1.08%
XLRE	Real Estate Select Sector SPDR Fund	1.04%
FRI	First Trust S&P REIT Index Fund	1.04%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	53.68
PXE	Invesco Dynamic Energy Exploration & Production ETF	52.78
IYE	iShares U.S. Energy ETF	52.00
FXN	First Trust Energy AlphaDEX Fund	51.89
PXI	Invesco DWA Energy Momentum ETF	51.67
VDE	Vanguard Energy ETF	51.66
FENY	Fidelity MSCI Energy Index ETF	51.63
FCG	First Trust Natural Gas ETF	51.54
XLE	Energy Select Sector SPDR Fund	51.33
RYE	Invesco S&P 500 Equal Weight Energy ETF	50.87

### Sector & Industry 1 Day Performance Laggards

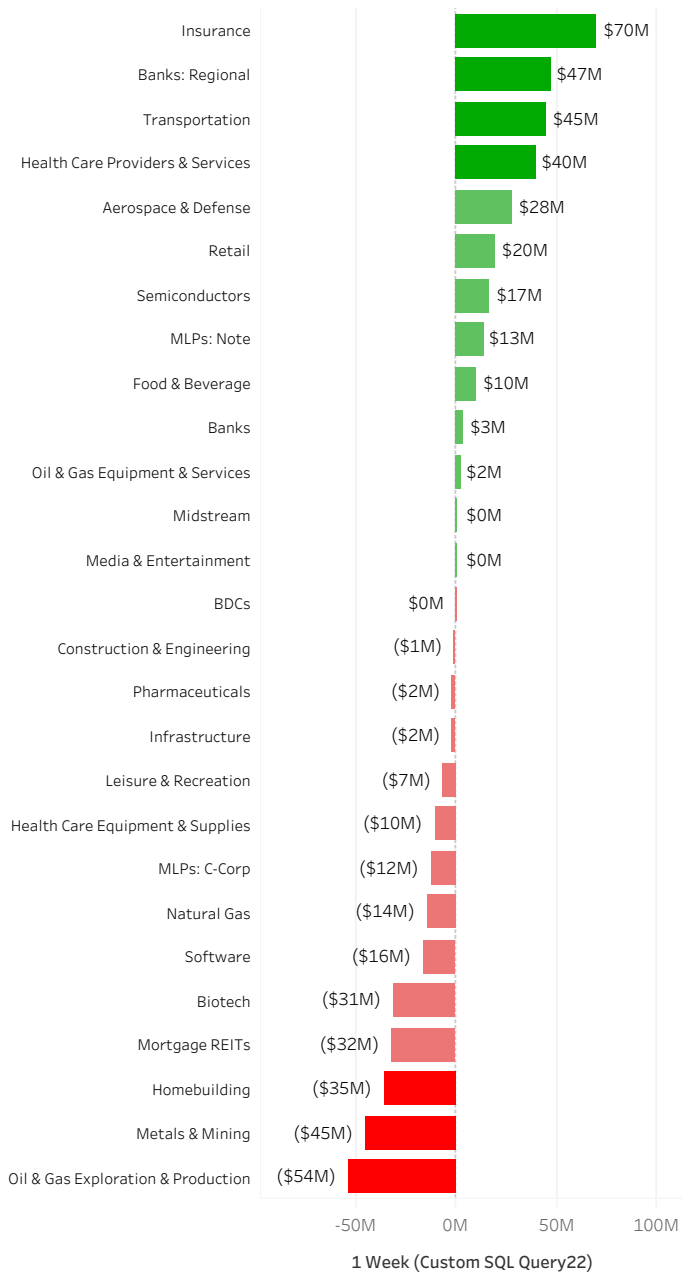
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-2.85%
PSCE	Invesco S&P SmallCap Energy ETF	-2.24%
AMZA	InfraCap MLP ETF	-1.89%
FTXL	First Trust Nasdaq Semiconductor ETF	-1.89%
IGN	iShares North American Tech-Multimedia Networking ..	-1.87%
FTXG	First Trust Nasdaq Food & Beverage ETF	-1.81%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.78%
FCG	First Trust Natural Gas ETF	-1.75%
MLPX	Global X MLP & Energy Infrastructure ETF	-1.65%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.65%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	27.85
KBWY	Invesco KBW Premium Yield Equity REIT ETF	27.92
NETL	NETLease Corporate Real Estate ETF	28.39
SZNE	Pacer CFRA-StoVal Equal Weight Seasonal Rotation ETF	30.09
PSCI	Invesco S&P SmallCap Industrials ETF	30.34
PSCH	Invesco S&P SmallCap Health Care ETF	30.67
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	30.85
PSCC	Invesco S&P SmallCap Consumer Staples ETF	31.36
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	31.39
XLK	Technology Select Sector SPDR Fund	31.42

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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	(\$20M)	\$194M	(\$95M)	(\$1,311M)
Consumer Discretionary	13	\$23B	(\$717M)	(\$1,179M)	(\$3,480M)	(\$4,825M)
Consumer Staples	11	\$27B	(\$184M)	\$868M	\$2,509M	\$6,026M
Energy	34	\$75B	(\$518M)	(\$4,718M)	(\$5,637M)	\$2,074M
Financials	27	\$60B	(\$535M)	(\$196M)	(\$12,280M)	(\$7,106M)
Health Care	24	\$88B	(\$231M)	\$1,326M	\$7,082M	\$10,708M
Industrial	14	\$28B	\$127M	(\$977M)	(\$2,587M)	(\$4,326M)
Materials	10	\$13B	(\$72M)	(\$2,664M)	(\$1,095M)	(\$1,086M)
Multi-Sector	19	\$14B	(\$67M)	(\$1,715M)	(\$3,861M)	(\$4,550M)
Real Estate	25	\$65B	(\$48M)	(\$2,150M)	(\$3,681M)	(\$43M)
Technology	24	\$110B	(\$1,507M)	(\$11M)	\$1,288M	\$1,934M
Utilities	10	\$28B	\$239M	\$1,608M	\$5,011M	\$5,139M

## U.S. Sector & Industry Flow Leaders

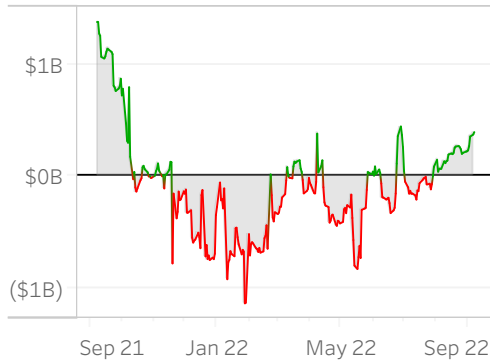
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	\$176M	\$1,165M	\$3,470M	\$3,000M	\$17,769M
XLRE	Real Estate Select Sector SPDR Fund	\$88M	\$35M	\$389M	\$1,478M	\$5,142M
XBI	SPDR S&P BIOTECH ETF	\$54M	\$137M	\$881M	\$2,705M	\$7,384M
XLI	Industrial Select Sector SPDR Fund	\$51M	(\$571M)	(\$2,102M)	(\$3,923M)	\$12,909M
KRE	SPDR S&P Regional Banking ETF	\$50M	(\$248M)	(\$1,268M)	(\$844M)	\$3,334M
KBWP	Invesco KBW Property & Casualty Insurance ETF	\$49M	\$133M	\$189M	\$182M	\$257M
IYT	iShares US Transportation ETF	\$46M	(\$238M)	(\$647M)	(\$654M)	\$843M
IHF	iShares U.S. Healthcare Providers ETF	\$41M	(\$12M)	\$340M	\$368M	\$1,550M
VPU	Vanguard Utilities ETF	\$33M	\$71M	\$90M	\$519M	\$6,084M
PPA	Invesco Aerospace & Defense ETF	\$23M	\$122M	\$580M	\$801M	\$1,387M

## U.S. Sector & Industry Flow Laggards

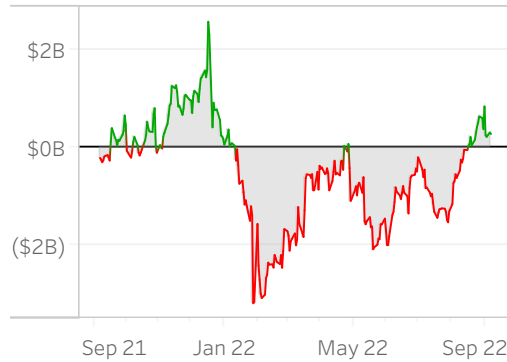
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	(\$1,170M)	\$468M	\$1,718M	\$1,920M	\$42,662M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$724M)	(\$896M)	(\$1,536M)	(\$1,134M)	\$15,305M
XLF	Financial Select Sector SPDR Fund	(\$609M)	\$848M	(\$6,446M)	(\$3,439M)	\$32,484M
XLE	Energy Select Sector SPDR Fund	(\$405M)	(\$2,525M)	(\$3,451M)	(\$530M)	\$36,860M
XLK	Technology Select Sector SPDR Fund	(\$202M)	\$497M	\$732M	\$1,836M	\$40,025M
XLP	Consumer Staples Select Sector SPDR Fund	(\$185M)	\$191M	(\$17M)	\$2,425M	\$15,401M
FTEC	Fidelity MSCI Information Technology Index ETF	(\$114M)	(\$51M)	(\$103M)	\$160M	\$5,299M
IYH	iShares U.S. Healthcare ETF	(\$91M)	\$281M	\$337M	\$251M	\$2,990M
VNQ	Vanguard Real Estate ETF	(\$82M)	(\$1,305M)	(\$2,028M)	\$175M	\$37,990M
XLV	Health Care Select Sector SPDR Fund	(\$76M)	\$323M	\$5,429M	\$7,188M	\$37,642M

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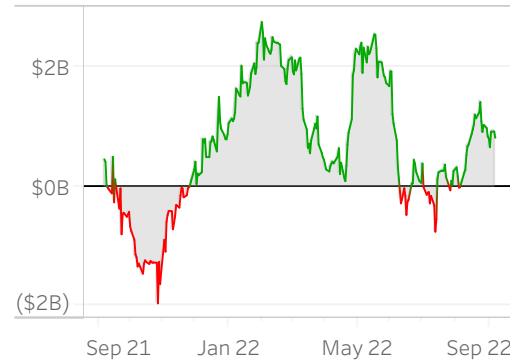
Communication Services



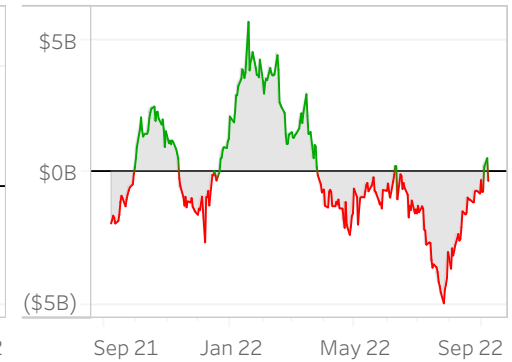
Consumer Discretionary



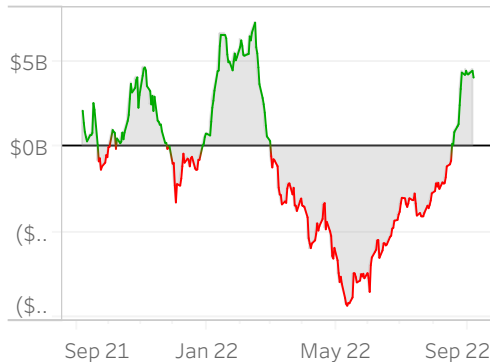
Consumer Staples



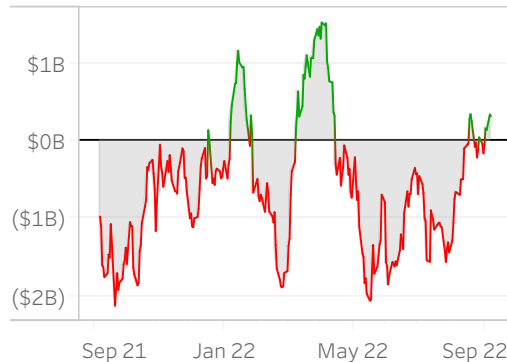
Energy



Financials



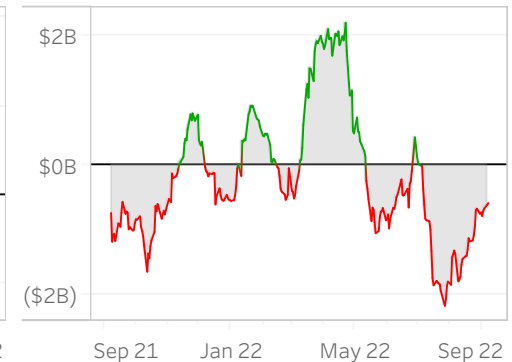
Industrial



Health Care



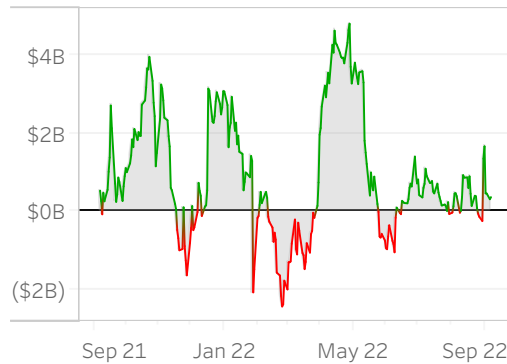
Materials



Real Estate



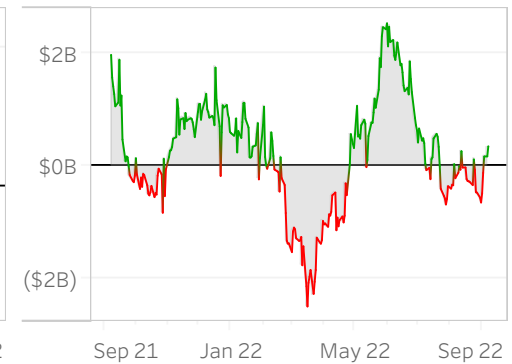
Technology



Utilities

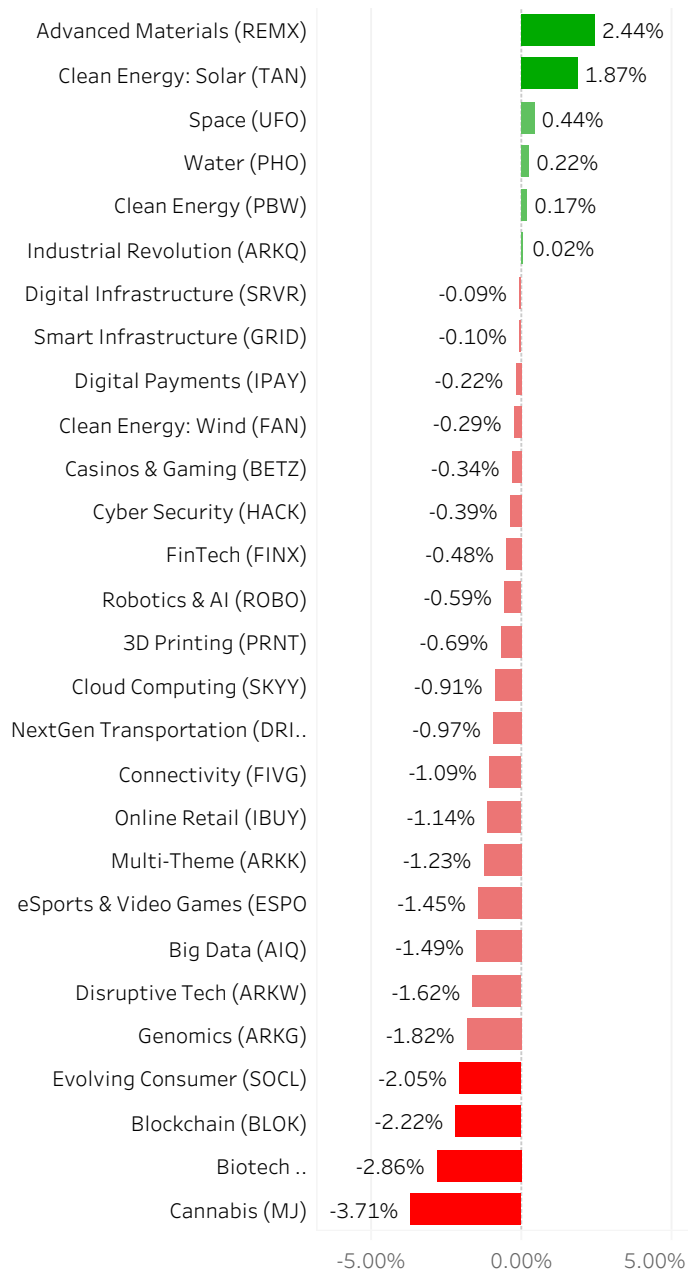


Multi-Sector

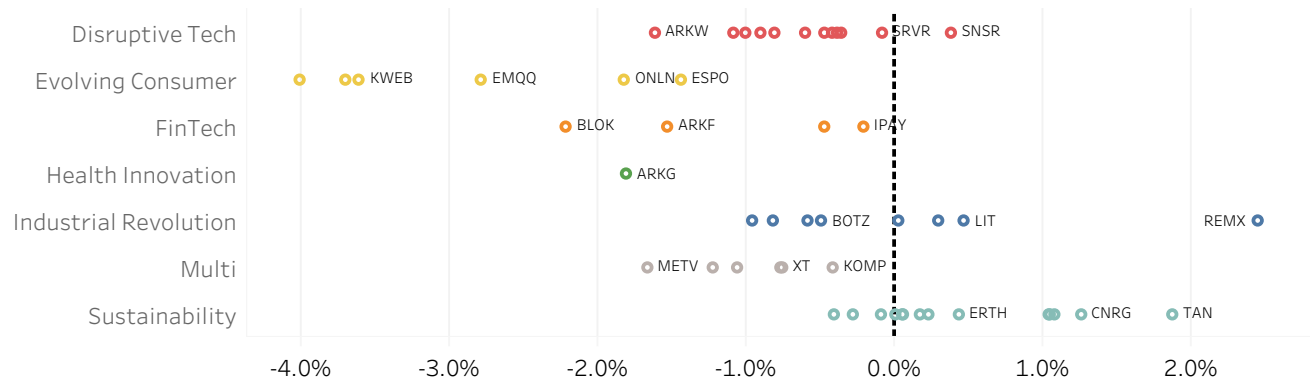


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
REMX	VanEck Rare Earth/Strategic Metals ETF	2.44%
TAN	Invesco Solar ETF	1.87%
CNRG	SPDR S&P Kensho Clean Power ETF	1.25%
ICLN	iShares Global Clean Energy ETF	1.07%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	1.04%
ACES	ALPS Clean Energy ETF	1.03%
EVX	VanEck Environmental Services ETF	0.46%
LIT	Global X Lithium & Battery Tech ETF	0.46%
UFO	Procore Space ETF	0.44%
ERTH	Invesco MSCI Sustainable Future ETF	0.43%

Thematic Most Overbought

Ticker	Fund	Price
ACES	ALPS Clean Energy ETF	50.26
MSOS	AdvisorShares Pure US Cannabis ETF	50.08
CNRG	SPDR S&P Kensho Clean Power ETF	49.76
TAN	Invesco Solar ETF	48.17
REMX	VanEck Rare Earth/Strategic Metals ETF	47.53
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	46.99
MJUS	ETFMG U.S. Alternative Harvest ETF	46.84
ICLN	iShares Global Clean Energy ETF	45.85
EVX	VanEck Environmental Services ETF	45.34
CTEC	Global X CleanTech ETF	44.66

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BKCH	Global X Blockchain ETF	-4.18%
MSOS	AdvisorShares Pure US Cannabis ETF	-4.02%
MJ	ETFMG Alternative Harvest ETF	-3.71%
KWEB	KraneShares CSI China Internet ETF	-3.62%
POTX	Global X Cannabis ETF	-3.31%
BITQ	Bitwise Crypto Industry Innovators ETF	-3.07%
SBIO	ALPS Medical Breakthroughs ETF	-2.86%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-2.80%
YOLO	AdvisorShares Pure Cannabis ETF	-2.57%
IDNA	iShares Genomics Immunology and Healthcare ETF Ge..	-2.57%

Thematic Most Oversold

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	19.41
PAWZ	ProShares Pet Care ETF	23.62
NXTG	First Trust Indxx NextG ETF	26.55
GAMR	Wedbush ETFMG Video Game Tech ETF	26.73
KLDW	Knowledge Leaders Developed World ETF	27.86
ESPO	VanEck Video Gaming and eSports ETF	29.16
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	29.28
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	29.33
EBLU	Ecofin Global Water ESG Fund	29.41
BOTZ	Global X Robotics & Artificial Intelligence ETF	29.50

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
TARK	AXS 2X Innovation ETF	\$18M
ICLN	iShares Global Clean Energy ETF	\$17M
HERO	Global X Video Games & Esports ETF	\$17M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$14M
BKCH	Global X Blockchain ETF	\$12M
WCLD	WisdomTree Cloud Computing Fund	\$11M
MJ	ETFMG Alternative Harvest ETF	\$10M
TAN	Invesco Solar ETF	\$7M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$7M
POTX	Global X Cannabis ETF	\$6M

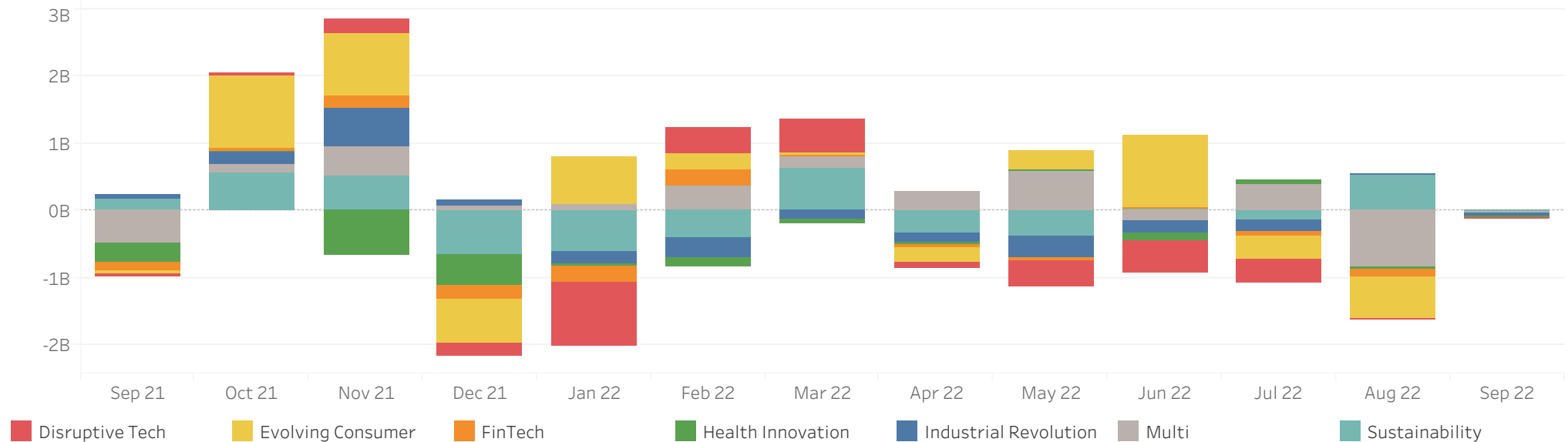
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	(\$39M)
XT	iShares Exponential Technologies ETF	(\$35M)
KWEB	KraneShares CSI China Internet ETF	(\$33M)
LIT	Global X Lithium & Battery Tech ETF	(\$32M)
HACK	ETFMG Prime Cyber Security ETF	(\$19M)
ERTH	Invesco MSCI Sustainable Future ETF	(\$17M)
PBW	Invesco WilderHill Clean Energy ETF	(\$14M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$12M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$12M)
ARKF	ARK Fintech Innovation ETF	(\$11M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$29M)	(\$627M)	(\$1,152M)	(\$1,389M)
Evolving Consumer	46	\$11B	(\$2M)	\$36M	\$445M	\$2,472M
FinTech	24	\$3B	\$0M	(\$183M)	(\$240M)	(\$368M)
Health Innovation	19	\$4B	(\$14M)	(\$91M)	(\$119M)	(\$1,764M)
Industrial Revolution	32	\$12B	(\$37M)	(\$365M)	(\$986M)	(\$542M)
Multi	41	\$14B	(\$33M)	(\$377M)	\$441M	\$1,047M
Sustainability	42	\$19B	(\$17M)	\$561M	\$270M	(\$96M)
Grand Total	239	\$80B	(\$133M)	(\$1,047M)	(\$1,340M)	(\$640M)

## Thematic Monthly Flows



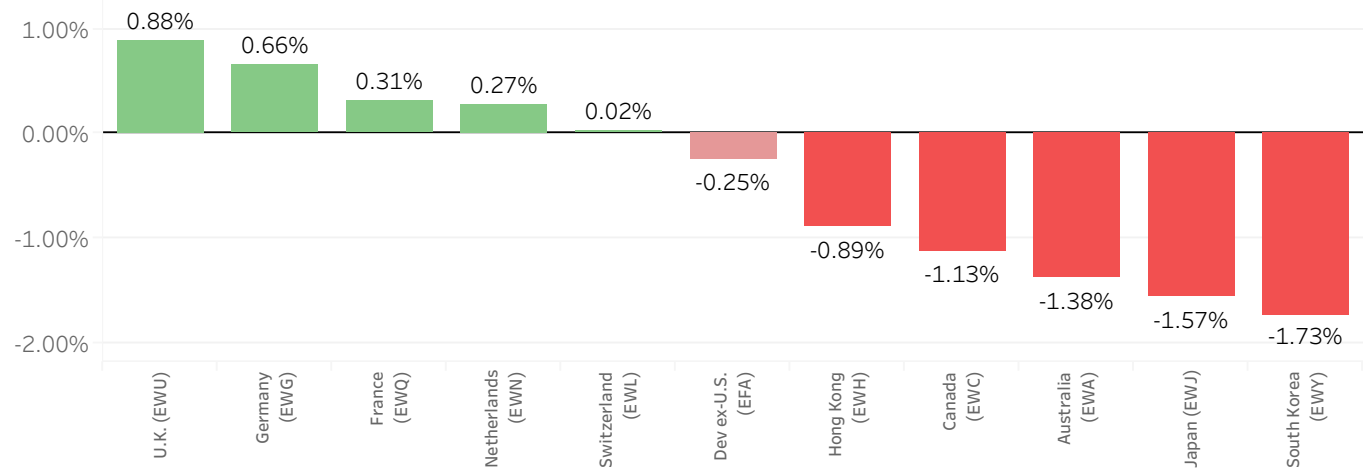
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Developed ex-U.S. (EFA)



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



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



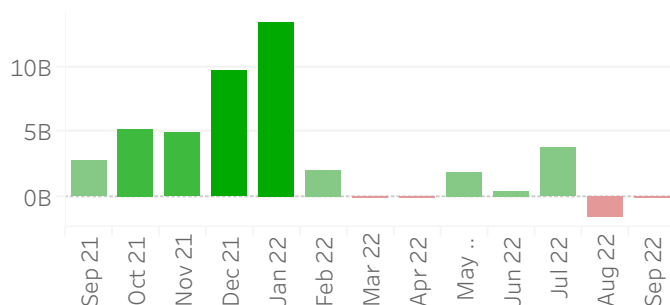
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FKU	First Trust United Kingdom AlphaDEX Fund	2.62%
FLGB	Franklin FTSE United Kingdom ETF	0.99%
EWU	iShares MSCI United Kingdom ETF	0.88%
IVAL	Alpha Architect International Quantitative Value ETF	0.86%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	0.76%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.72%
EWD	iShares MSCI Sweden ETF	0.72%
IHDG	WisdomTree International Hedged Quality Dividend Growth ..	0.66%
EWG	iShares MSCI Germany ETF	0.66%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.65%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	53.15
DXJ	WisdomTree Japan Hedged Equity Fund	44.45
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	41.47
HEWJ	iShares Currency Hedged MSCI Japan ETF	40.99
IMOM	Alpha Architect International Quantitative Momentum ETF	40.84
FKU	First Trust United Kingdom AlphaDEX Fund	40.45
ENZL	iShares MSCI New Zealand ETF	38.43
IVAL	Alpha Architect International Quantitative Value ETF	38.23
EIS	iShares MSCI Israel ETF	37.00
ISRA	VanEck Israel ETF	36.63

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EIS	iShares MSCI Israel ETF	-2.14%
CIL	VictoryShares International Volatility Wtd ETF	-2.03%
NORW	Global X MSCI Norway ETF	-2.00%
AIA	iShares Asia 50 ETF	-1.93%
ENZL	iShares MSCI New Zealand ETF	-1.83%
EWY	iShares MSCI South Korea ETF	-1.73%
EWJV	iShares MSCI Japan Value ETF	-1.72%
BBJP	JPMorgan BetaBuilders Japan ETF	-1.65%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.61%
FLJP	Franklin FTSE Japan ETF	-1.59%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
QLVD	FlexShares Developed Markets ex-US Quality Low V..	19.49
IMFL	Invesco International Developed Dynamic Multifact..	21.75
EFV	iShares MSCI EAFE Min Vol Factor ETF	23.38
RFDI	First Trust Riverfront Dynamic Developed Internatio..	24.71
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	25.02
IDOG	ALPS International Sector Dividend Dogs ETF	25.62
EUDG	WisdomTree Europe Quality Dividend Growth Fund	25.66
IDLV	Invesco S&P International Developed Low Volatility ..	25.70
EFAD	ProShares MSCI EAFE Dividend Growers ETF	25.82
QEFA	SPDR MSCI EAFE StrategicFactors ETF	25.85

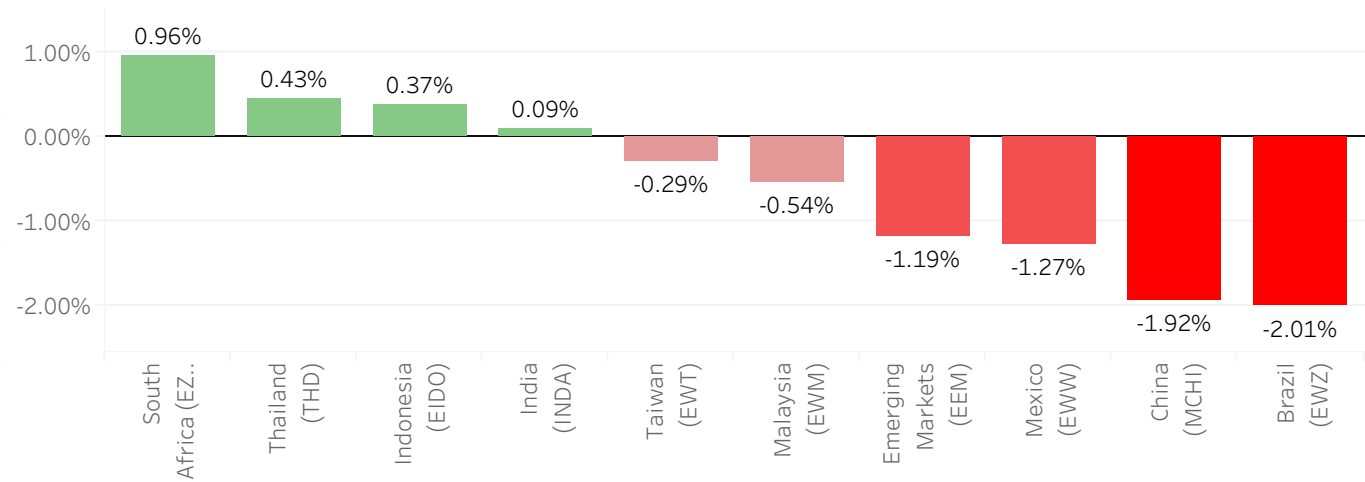
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



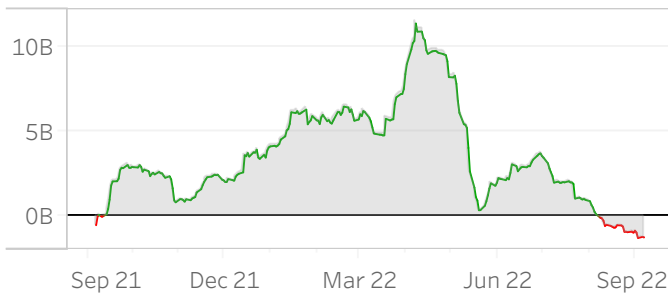
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



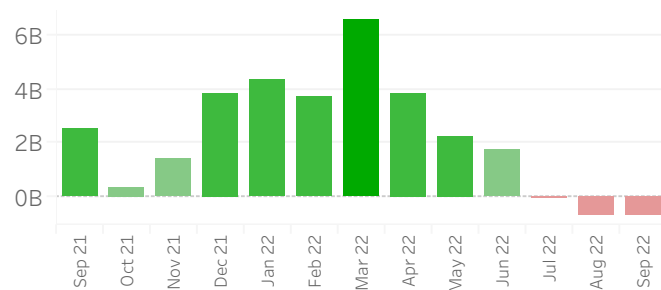
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	4.81%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	1.09%
EZA	iShares MSCI South Africa ETF	0.96%
EYLD	Cambria Emerging Shareholder Yield ETF	0.73%
EPI	WisdomTree India Earnings Fund	0.46%
EPU	iShares MSCI Peru ETF	0.44%
THD	iShares MSCI Thailand ETF	0.43%
SMIN	iShares MSCI India Small Cap ETF	0.40%
FEM	First Trust Emerging Markets AlphaDEX Fund	0.38%
EIDO	iShares MSCI Indonesia ETF	0.37%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	77.37
EIDO	iShares MSCI Indonesia ETF	63.16
SMIN	iShares MSCI India Small Cap ETF	60.95
ECH	iShares MSCI Chile ETF	58.99
EYLD	Cambria Emerging Shareholder Yield ETF	54.13
EPI	WisdomTree India Earnings Fund	53.98
FLIN	Franklin FTSE India ETF	52.96
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	52.24
INDA	iShares MSCI India ETF	51.17
INDY	iShares India 50 ETF	50.52

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-3.42%
ECH	iShares MSCI Chile ETF	-3.24%
QAT	iShares MSCI Qatar ETF	-2.70%
EPOL	iShares MSCI Poland ETF	-2.56%
FNI	First Trust Chindia ETF	-2.46%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.32%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.11%
EWZ	iShares MSCI Brazil ETF	-2.01%
FXI	iShares China Large-Cap ETF	-1.98%
ILF	iShares Latin America 40 ETF	-1.93%

Emerging Most Oversold

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	24.87
EDIV	SPDR S&P Emerging Markets Dividend ETF	27.15
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	28.54
NUEM	Nuveen ESG Emerging Markets Equity ETF	30.10
DGRE	WisdomTree Emerging Markets Quality Dividend Gr..	30.89
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	30.91
LDEM	iShares ESG MSCI EM Leaders ETF	31.17
CNYA	iShares MSCI China A ETF	31.49
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	31.92
ESGE	iShares ESG Aware MSCI EM ETF	31.97

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

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



200 Day Moving Average 50 Day Moving Average Closing Price

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.94%	-3.01%	-11.64%
SHY	1-3 Year Treasury Bonds	-0.22%	-0.29%	-3.45%
IEF	7-10 Year Treasury Bonds	-1.11%	-3.86%	-12.65%
TLT	20+ Year Treasury Bonds	-2.48%	-7.51%	-26.47%
TIP	TIPS Bonds	-0.95%	-2.19%	-8.72%
FLOT	Floating Rate Bonds	0.12%	0.59%	-0.12%
LQD	Investment Grade Corporate	-1.36%	-5.13%	-17.80%
HYG	High Yield Corporate	-0.27%	-4.57%	-12.02%
BKLN	Senior Loan	-0.24%	-1.75%	-3.60%
PFF	Preferred & Income Securities	-1.00%	-6.23%	-14.56%
MUB	Municipal Bonds	-0.53%	-2.51%	-8.58%
MBB	MBS	-1.01%	-3.00%	-10.04%
EMB	Dollar Denominated EM Bonds	-0.92%	-4.36%	-20.30%
LEMB	Local Currency EM Bond	-0.53%	-1.41%	-14.30%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.92%	-0.09%	21.08%
DBE	Energy	-0.89%	3.19%	43.61%
USO	WTI Crude Oil	-0.01%	-0.17%	31.38%
BNO	Brent Crude Oil	-0.48%	-1.12%	39.45%
UNG	Natural Gas	-9.48%	0.83%	122.58%
UGA	Gasoline	-1.12%	-7.87%	28.86%
DBP	Precious Metals	-0.56%	-5.59%	-11.71%
GLD	Gold	-0.58%	-4.21%	-7.39%
SLV	Silver	-0.18%	-9.77%	-23.11%
PPLT	abrdn Physical Platin..	2.00%	-8.60%	-11.90%
PALL	abrdn Physical Palla..	-1.48%	-6.72%	4.64%
DBB	Base Metals	1.03%	-5.24%	-16.26%
CPER	Copper	1.91%	-3.38%	-23.41%
LD	Lead	-0.35%	-11.18%	-19.81%
JJN	Nickel	5.13%	-2.87%	4.85%
JJU	Aluminum	-1.67%	-6.40%	-19.57%
JJT	Tin	-0.16%	-12.87%	-44.22%
DBA	Agriculture	0.25%	2.30%	3.44%
CORN	Corn	1.77%	9.72%	25.72%
SOYB	Soybeans	-1.24%	0.27%	15.91%
WEAT	Wheat	0.96%	2.82%	13.53%
CANE	Sugar	-1.34%	-0.56%	-4.13%
BAL	Cotton	0.08%	7.70%	11.06%
NIB	Cocoa	-2.19%	1.02%	-14.17%
JO	Coffee	0.45%	11.86%	3.87%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.58%	3.68%	15.29%
UDN	Short Dollar	-0.54%	-3.68%	-13.91%
FXE	Euro	-0.50%	-2.79%	-13.54%
FXB	British Pound Sterling	0.05%	-4.60%	-14.96%
FXF	Swiss Franc	-0.36%	-2.43%	-8.09%
FXJ	Japanese Yen	-1.76%	-5.46%	-19.63%
FXC	Canadian Dollar	0.01%	-1.61%	-4.02%
FXA	Australian Dollar	-1.11%	-2.64%	-7.55%

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