

### Large Cap Blend (S&P 500) IVV



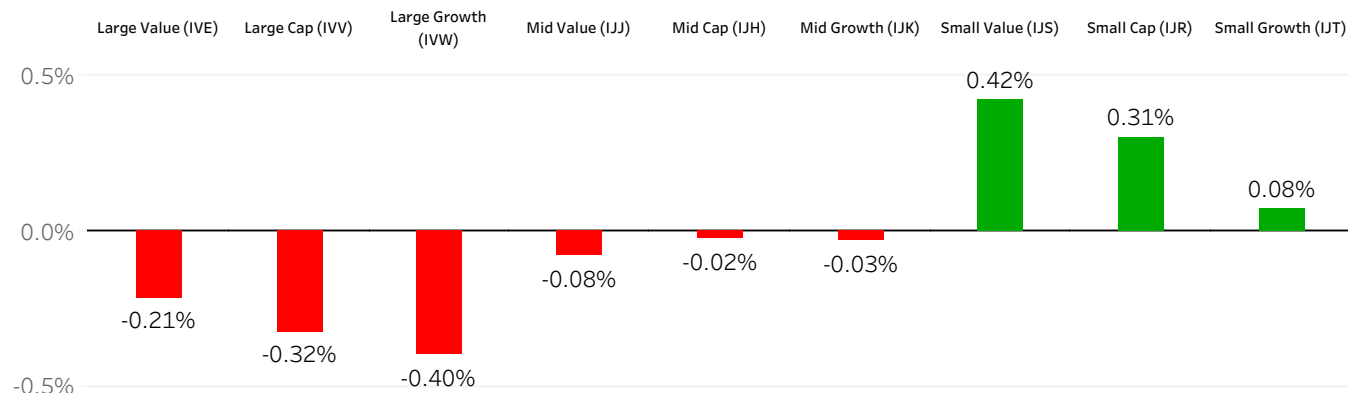
### Mid Cap Blend (S&P 400) IJH



### Small Cap Blend (S&P 600) IJR



### U.S. Size & Style 1-Day Performance



### Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	4.97%
BUZZ	VanEck Social Sentiment ETF	0.88%
CSB	VictoryShares US Small Cap High Dividend Volatility Wt..	0.81%
IPO	Renaissance IPO ETF	0.80%
CALF	Pacer US Small Cap Cash Cows 100 ETF	0.79%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	0.77%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	0.66%
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	0.56%
FDM	First Trust Dow Jones Select MicroCap Index Fund	0.55%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	0.51%

### Size & Style Most Overbought

Ticker	Fund	Value
ACSI	American Customer Satisfaction ETF	79.09
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	77.33
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	75.79
XSLV	Invesco S&P SmallCap Low Volatility ETF	74.16
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	74.07
XSMO	Invesco S&P SmallCap Momentum ETF	72.78
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	72.43
TPSC	Timothy Plan US Small Cap Core ETF	72.17
SMIG	AAM Bahl & Gaynor Small/Mid Cap Income Growth ETF	72.06
FDM	First Trust Dow Jones Select MicroCap Index Fund	72.01

### Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EQRR	ProShares Equities for Rising Rates ETF	-1.23%
VEGN	US Vegan Climate ETF	-0.89%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-0.86%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	-0.82%
AUSF	Global X Adaptive U.S. Factor ETF	-0.78%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-0.73%
MTUM	iShares MSCI USA Momentum Factor ETF	-0.73%
PDP	Invesco DWA Momentum ETF	-0.70%
SPMO	Invesco S&P 500 Momentum ETF	-0.68%
ABEQ	Absolute Core Strategy ETF	-0.66%

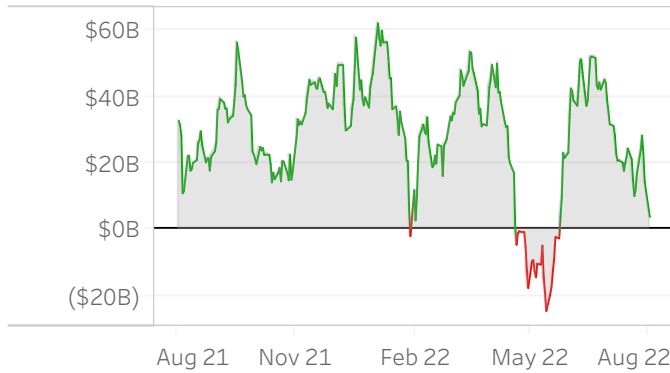
### Size & Style Most Oversold

Ticker	Fund	Value
LFEQ	VanEck Long/Flat Trend ETF	47.38
PTMC	Pacer Trendpilot US Mid Cap ETF	47.70
PTLC	Pacer Trendpilot US Large Cap ETF	50.18
RUFF	Alpha Dog ETF	50.36
ABEQ	Absolute Core Strategy ETF	52.41
LGH	HCM Defender 500 Index ETF	54.36
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	54.98
IPO	Renaissance IPO ETF	55.33
DUSA	Davis Select U.S. Equity ETF	55.67
QQH	HCM Defender 100 Index ETF	56.01

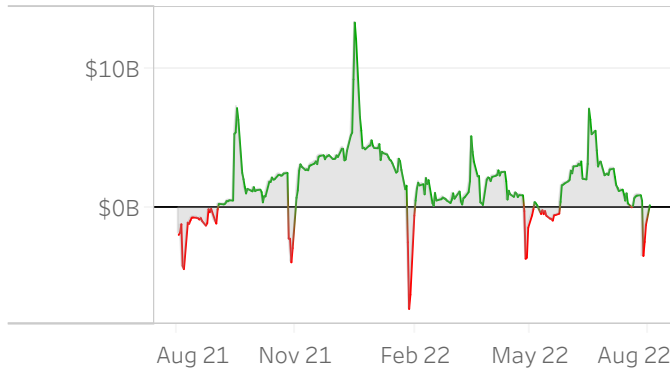
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

\*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	\$1,236B	(\$2.96B)	\$33.77B	\$49.96B	\$121.41B
Large Cap, Beta Growth, Beta: Growth	10	\$232B	\$0.95B	\$8.20B	\$12.27B	\$16.59B
Large Cap, Beta Growth, Beta: Value	11	\$217B	\$0.05B	\$4.18B	\$13.44B	\$26.28B
Mid Cap, Beta, Beta	10	\$177B	\$0.08B	\$2.40B	\$5.44B	\$12.86B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.09B	\$0.61B	\$0.25B	\$0.65B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.05B	\$0.35B	(\$0.19B)	\$1.22B
Small Cap, Beta, Beta	13	\$192B	\$0.18B	(\$1.87B)	(\$4.06B)	\$6.86B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.33B	\$0.99B	\$1.17B	\$1.62B
Small Cap, Beta, Beta: Value	7	\$50B	(\$0.06B)	(\$0.98B)	(\$4.57B)	(\$2.57B)

U.S. Size & Style Flow Leaders

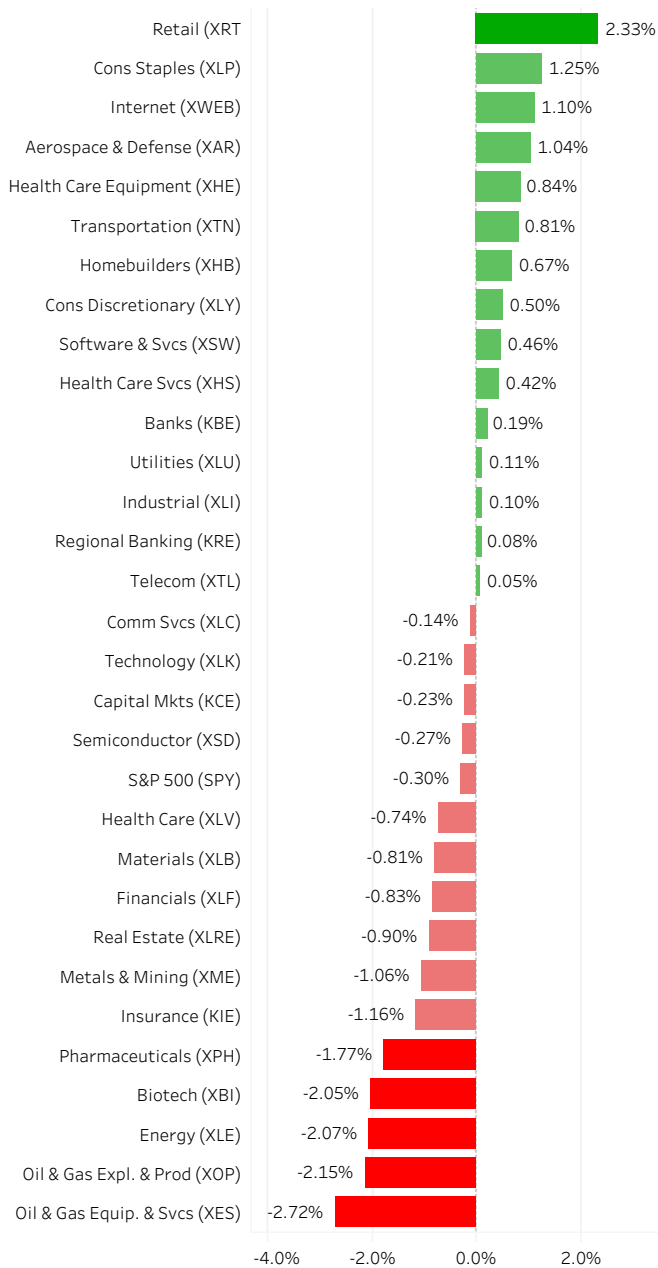
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SDY	SPDR S&P Dividend ETF	\$1.47B	\$2.22B	\$2.94B	\$3.43B	\$23.41B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	\$1.46B	\$3.28B	\$4.19B	\$4.71B	\$9.39B
SPHD	Invesco S&P 500 High Dividend Low Volatility ..	\$0.75B	\$1.24B	\$1.62B	\$1.64B	\$4.70B
IVV	iShares Core S&P 500 ETF	\$0.64B	\$13.47B	\$15.18B	\$30.83B	\$301.98B
VOO	Vanguard S&P 500 ETF	\$0.47B	\$14.59B	\$18.96B	\$44.14B	\$267.50B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.41B	\$1.42B	\$1.97B	\$2.26B	\$14.08B
IJT	iShares S&P Small-Cap 600 Growth ETF	\$0.38B	\$0.41B	\$0.37B	\$0.04B	\$5.65B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.32B	\$1.12B	\$1.53B	\$2.81B	\$10.86B
VTI	Vanguard Total Stock Market ETF	\$0.31B	\$3.99B	\$9.89B	\$35.17B	\$265.64B
SCHD	Schwab US Dividend Equity ETF	\$0.27B	\$3.14B	\$6.44B	\$11.14B	\$36.84B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$3.50B)	(\$1.66B)	\$1.88B	\$13.67B	\$367.92B
QQQ	Invesco QQQ Trust	(\$0.49B)	\$2.84B	\$8.12B	\$18.46B	\$171.21B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.45B)	\$2.57B	\$2.64B	\$5.29B	\$42.89B
IWB	iShares Russell 1000 ETF	(\$0.21B)	\$0.83B	\$0.75B	\$0.12B	\$28.29B
IWD	iShares Russell 1000 Value ETF	(\$0.14B)	\$0.37B	(\$0.62B)	\$1.27B	\$53.48B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.10B)	(\$2.53B)	(\$3.60B)	(\$5.84B)	\$9.12B
DVY	iShares Select Dividend ETF	(\$0.10B)	\$0.50B	\$1.93B	\$3.16B	\$21.68B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.06B)	\$0.01B	(\$0.53B)	(\$0.21B)	\$13.27B
FLQL	Franklin U.S. Large Cap Multifactor Index ETF	(\$0.06B)	\$0.07B	\$0.06B	(\$0.22B)	\$0.96B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.05B)	\$0.14B	(\$0.84B)	(\$0.95B)	\$7.35B

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### 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	-3.81%	16.47%	4.85%	5.52%	69.41
XLP	Consumer Staples Select Sector SPDR Fund	-6.39%	9.62%	3.79%	1.20%	66.13
XLV	Health Care Select Sector SPDR Fund	-7.99%	9.62%	2.18%	-0.61%	55.61
XLI	Industrial Select Sector SPDR Fund	-10.62%	11.98%	6.26%	-2.90%	71.62
SPY	SPDR S&P 500 ETF Trust	-14.01%	12.28%	4.95%	-5.05%	65.46
XLB	Materials Select Sector SPDR Fund	-14.47%	9.26%	-0.40%	-7.90%	58.56
XLRE	Real Estate Select Sector SPDR Fund	-15.19%	13.10%	4.95%	-4.64%	66.41
XLE	Energy Select Sector SPDR Fund	-16.78%	67.72%	-1.08%	9.78%	57.31
XLK	Technology Select Sector SPDR Fund	-18.53%	16.54%	7.77%	-5.07%	66.25
XLF	Financial Select Sector SPDR Fund	-19.29%	8.75%	2.11%	-9.51%	59.09
XLY	Consumer Discretionary Select Sector SPDR Fund	-22.60%	21.55%	11.57%	-7.12%	69.13
XLC	Communication Services Select Sector SPDR Fund	-34.58%	6.05%	-0.34%	-16.61%	50.64

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XRT	SPDR S&P Retail ETF	2.33%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	2.01%
PSL	Invesco DWA Consumer Staples Momentum ETF	1.42%
XLP	Consumer Staples Select Sector SPDR Fund	1.25%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER ST..	1.21%
VDC	Vanguard Consumer Staples ETF	1.17%
IYK	iShares U.S. Consumer Staples ETF	1.14%
XAR	SPDR S&P Aerospace & Defense ETF	1.04%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ..	1.02%
FXD	First Trust Consumer Discretionary AlphaDEX Fund	0.99%

### 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..	75.71
PAVE	Global X U.S. Infrastructure Development ETF	75.23
PSCI	Invesco S&P SmallCap Industrials ETF	75.11
PRN	Invesco DWA Industrials Momentum ETF	74.22
IFRA	iShares U.S. Infrastructure ETF	73.40
RGI	Invesco S&P 500 Equal Weight Industrials ETF	72.64
REM	iShares Mortgage Real Estate ETF	72.61
FIDU	Fidelity MSCI Industrial Index ETF	72.50
MORT	VanEck Mortgage REIT Income ETF	72.33

### Sector & Industry 1 Day Performance Laggards

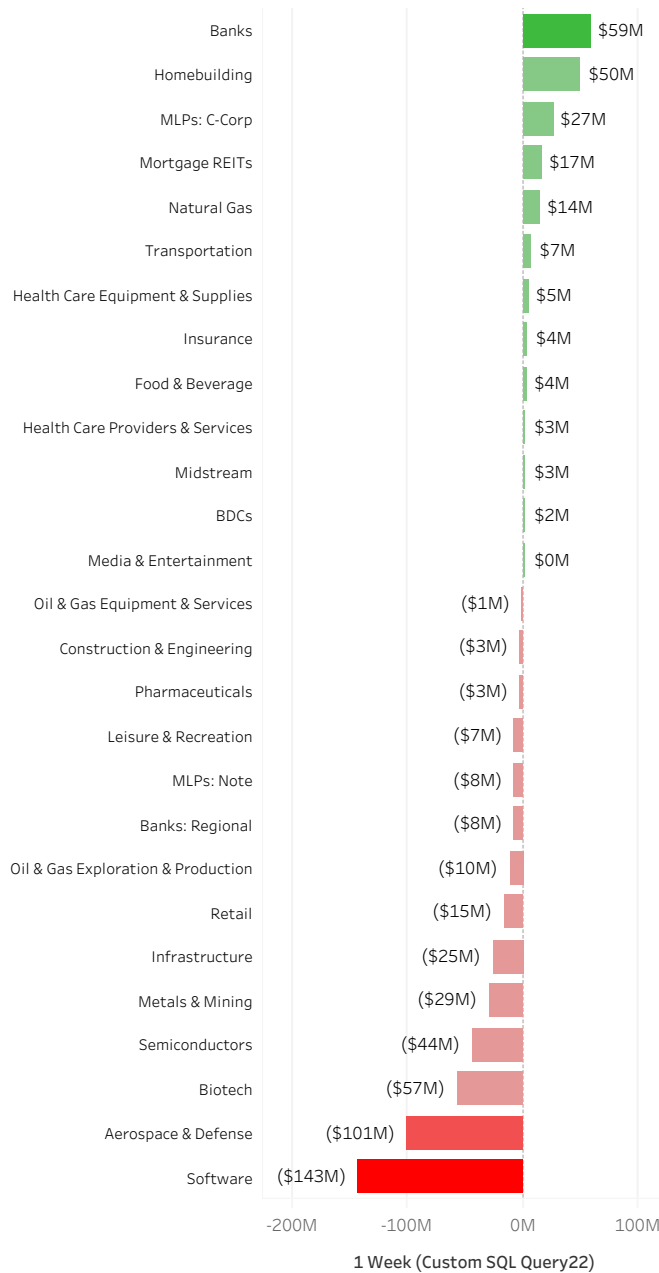
Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-2.72%
PSCE	Invesco S&P SmallCap Energy ETF	-2.52%
FCG	First Trust Natural Gas ETF	-2.40%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-2.37%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-2.30%
PXI	Invesco DWA Energy Momentum ETF	-2.26%
FENY	Fidelity MSCI Energy Index ETF	-2.19%
FTXN	First Trust Nasdaq Oil & Gas ETF	-2.17%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-2.15%
VDE	Vanguard Energy ETF	-2.14%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	35.79
IHE	iShares U.S. Pharmaceuticals ETF	44.65
XPH	SPDR S&P Pharmaceuticals ETF	45.54
PJP	Invesco Dynamic Pharmaceuticals ETF	46.38
IAK	iShares U.S. Insurance ETF	46.82
IYZ	iShares U.S. Telecommunications ETF	47.16
KIE	SPDR S&P Insurance ETF	48.98
XBI	SPDR S&P BIOTECH ETF	49.43
FBT	First Trust NYSE Arca Biotechnology Index Fund	50.42
XLC	Communication Services Select Sector SPDR Fund	50.64

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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	\$23M	(\$275M)	(\$518M)	(\$633M)
Consumer Discretionary	13	\$23B	\$102M	(\$2,202M)	(\$4,215M)	(\$5,133M)
Consumer Staples	12	\$28B	\$104M	\$36M	\$2,989M	\$5,219M
Energy	34	\$72B	\$797M	(\$3,823M)	(\$3,451M)	\$1,350M
Financials	28	\$57B	\$366M	(\$9,118M)	(\$18,494M)	(\$8,560M)
Health Care	26	\$93B	\$210M	\$3,469M	\$7,589M	\$13,074M
Industrial	14	\$28B	(\$71M)	(\$2,903M)	(\$2,491M)	(\$5,844M)
Materials	10	\$14B	\$23M	(\$2,411M)	(\$459M)	(\$1,523M)
Multi-Sector	19	\$15B	\$11M	(\$379M)	(\$4,379M)	(\$3,563M)
Real Estate	25	\$70B	(\$157M)	(\$3,132M)	(\$5,186M)	\$2,393M
Technology	24	\$125B	\$30M	(\$464M)	(\$390M)	\$4,348M
Utilities	10	\$27B	(\$138M)	\$1,061M	\$3,547M	\$4,976M

### U.S. Sector & Industry Flow Leaders

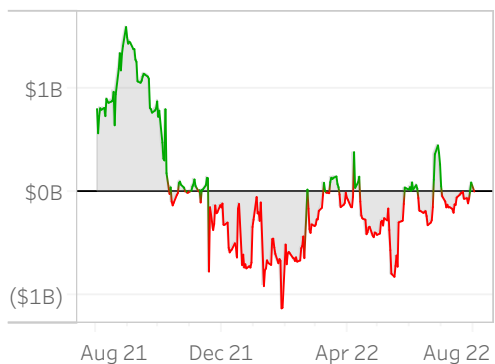
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$779M	(\$391M)	(\$2,896M)	\$148M	\$35,485M
XLF	Financial Select Sector SPDR Fund	\$299M	(\$5,554M)	(\$11,394M)	(\$5,424M)	\$29,779M
XLK	Technology Select Sector SPDR Fund	\$146M	(\$233M)	\$876M	\$1,689M	\$42,670M
XLV	Health Care Select Sector SPDR Fund	\$126M	\$2,578M	\$5,724M	\$7,907M	\$40,077M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$120M	(\$1,250M)	(\$1,965M)	(\$1,517M)	\$15,150M
VGT	Vanguard Information Technology ETF	\$82M	\$638M	\$1,077M	\$2,063M	\$45,327M
XLP	Consumer Staples Select Sector SPDR Fund	\$77M	(\$687M)	\$425M	\$1,887M	\$15,582M
XLB	Materials Select Sector SPDR Fund	\$68M	(\$843M)	(\$1,117M)	(\$1,954M)	\$6,020M
XHB	SPDR S&P Homebuilders ETF	\$62M	(\$70M)	(\$582M)	(\$386M)	\$1,121M
IYH	iShares U.S. Healthcare ETF	\$55M	\$190M	\$136M	\$323M	\$3,072M

### U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	(\$140M)	\$157M	(\$408M)	\$1,301M	\$4,469M
IYR	iShares U.S. Real Estate ETF	(\$113M)	(\$747M)	(\$1,947M)	(\$604M)	\$4,334M
ITA	iShares U.S. Aerospace & Defense ETF	(\$101M)	\$95M	\$1,376M	\$1,028M	\$3,806M
XLU	Utilities Select Sector SPDR Fund	(\$98M)	\$471M	\$2,180M	\$3,045M	\$16,598M
SOXX	iShares Semiconductor ETF	(\$62M)	(\$310M)	(\$84M)	\$1,072M	\$7,114M
VPU	Vanguard Utilities ETF	(\$58M)	(\$388M)	(\$55M)	\$392M	\$5,835M
IBB	iShares Biotechnology ETF	(\$31M)	\$75M	(\$198M)	(\$109M)	\$8,043M
XME	SPDR S&P Metals & Mining ETF	(\$29M)	(\$614M)	(\$104M)	\$93M	\$1,968M
IYE	iShares U.S. Energy ETF	(\$26M)	(\$1,553M)	(\$1,263M)	(\$1,275M)	\$2,162M
VNQ	Vanguard Real Estate ETF	(\$19M)	(\$2,046M)	(\$2,222M)	\$701M	\$40,838M

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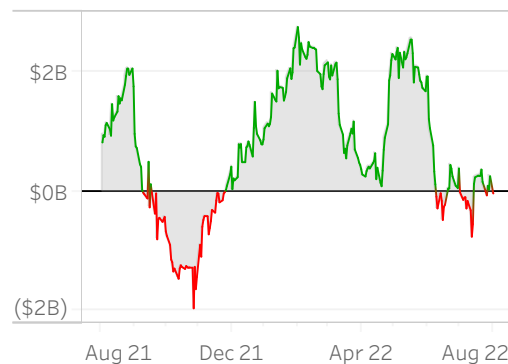
Communication Services



Consumer Discretionary



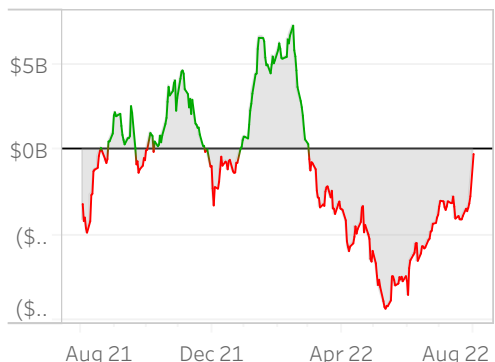
Consumer Staples



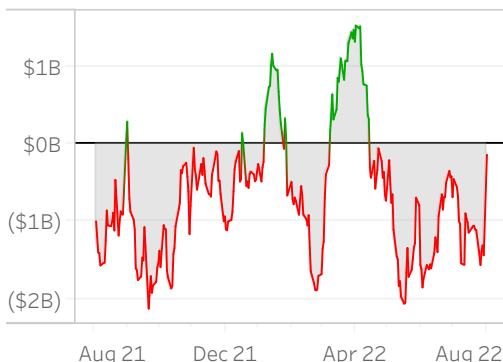
Energy



Financials



Industrial



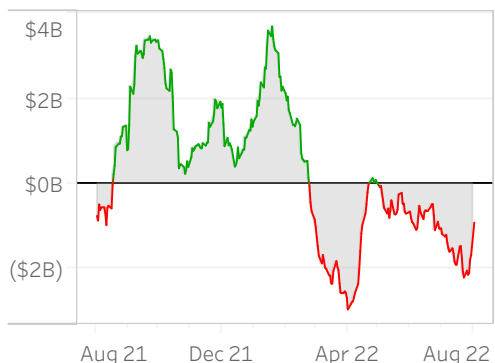
Health Care



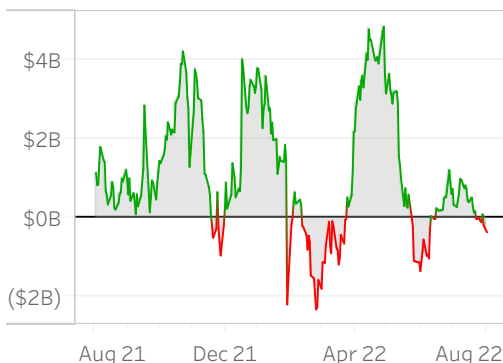
Materials



Real Estate



Technology



Utilities

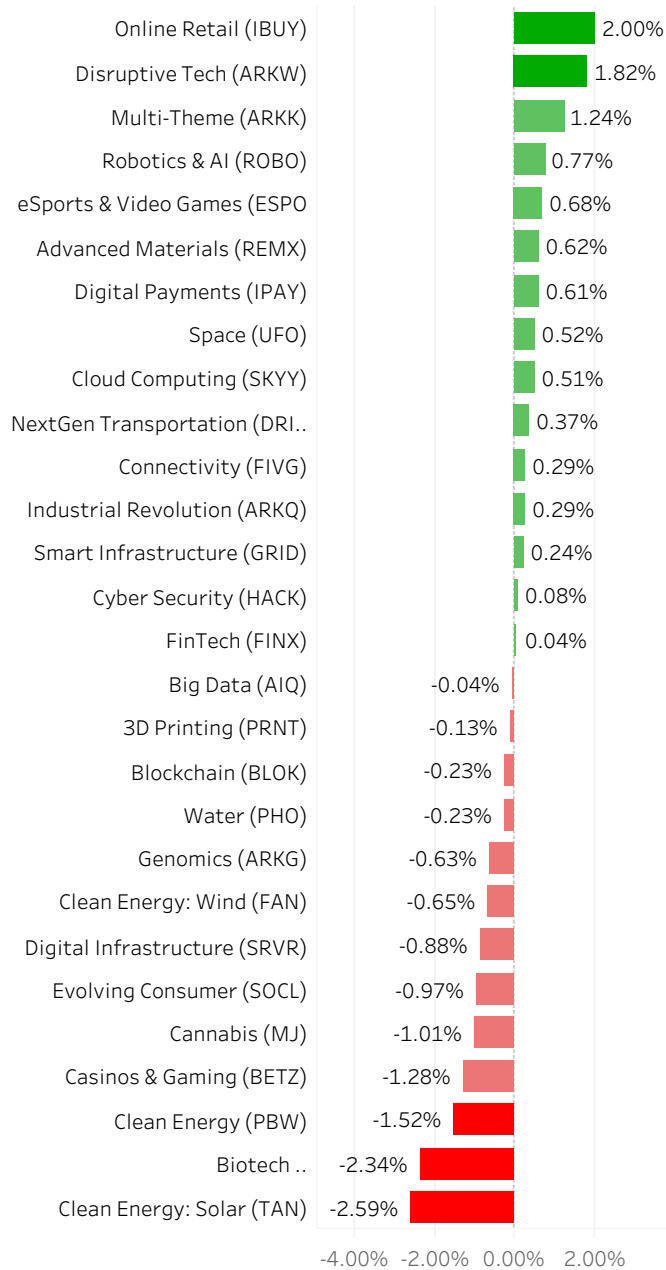


Multi-Sector

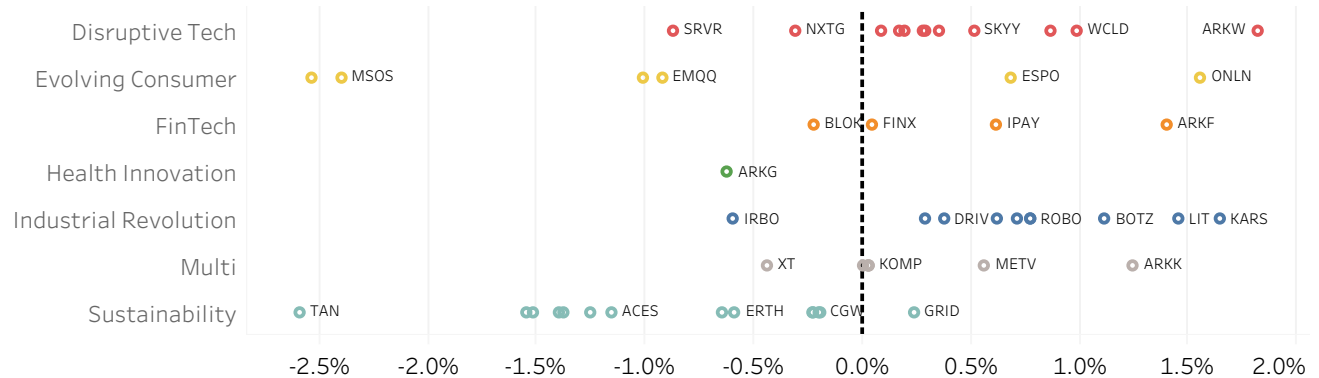


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### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
IBUY	Amplify Online Retail ETF	2.00%
ARKW	ARK Next Generation Internet ETF	1.82%
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	1.64%
ONLN	ProShares Online Retail ETF	1.55%
LIT	Global X Lithium & Battery Tech ETF	1.45%
ARKF	ARK Fintech Innovation ETF	1.40%
ARKK	ARK Innovation ETF	1.24%
BOTZ	Global X Robotics & Artificial Intelligence ETF	1.11%
WCLD	WisdomTree Cloud Computing Fund	0.98%
BATT	Amplify Lithium & Battery Technology ETF	0.93%

### Thematic Most Overbought

Ticker	Fund	Price
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	74.95
FIW	First Trust Water ETF	74.45
CGW	Invesco S&P Global Water Index ETF	73.83
PHO	Invesco Water Resources ETF	73.77
EVX	VanEck Environmental Services ETF	72.59
EBLU	Ecofin Global Water ESG Fund	71.24
PIO	Invesco Global Water ETF	71.13
ICLN	iShares Global Clean Energy ETF	69.79
SMOG	VanEck Low Carbon Energy ETF	69.67
ACES	ALPS Clean Energy ETF	69.40

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
TAN	Invesco Solar ETF	-2.59%
KWEB	KraneShares CSI China Internet ETF	-2.54%
YOLO	AdvisorShares Pure Cannabis ETF	-2.47%
MSOS	AdvisorShares Pure US Cannabis ETF	-2.40%
SBIO	ALPS Medical Breakthroughs ETF	-2.34%
GNOM	Global X Genomics & Biotechnology ETF	-1.97%
IDNA	iShares Genomics Immunology and Healthcare ETF Ge..	-1.67%
CTEC	Global X CleanTech ETF	-1.67%
CNRG	SPDR S&P Kensho Clean Power ETF	-1.55%
PBW	Invesco WilderHill Clean Energy ETF	-1.52%

### Thematic Most Oversold

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	36.06
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	41.32
KGRN	KraneShares MSCI China Clean Technology Index ETF	42.62
YOLO	AdvisorShares Pure Cannabis ETF	42.83
MSOS	AdvisorShares Pure US Cannabis ETF	43.50
MJ	ETFMG Alternative Harvest ETF	44.90
SOCL	Global X Social Media ETF	45.23
SBIO	ALPS Medical Breakthroughs ETF	47.20
POTX	Global X Cannabis ETF	47.55
BUG	Global X Cybersecurity ETF	49.29

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### Thematic 1 Week Flow Leaders

Ticker	Fund	
TAN	Invesco Solar ETF	\$15M
FIW	First Trust Water ETF	\$12M
TARK	AXS 2X Innovation ETF	\$11M
BUG	Global X Cybersecurity ETF	\$10M
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
PBW	Invesco WilderHill Clean Energy ETF	\$4M
PHO	Invesco Water Resources ETF	\$3M

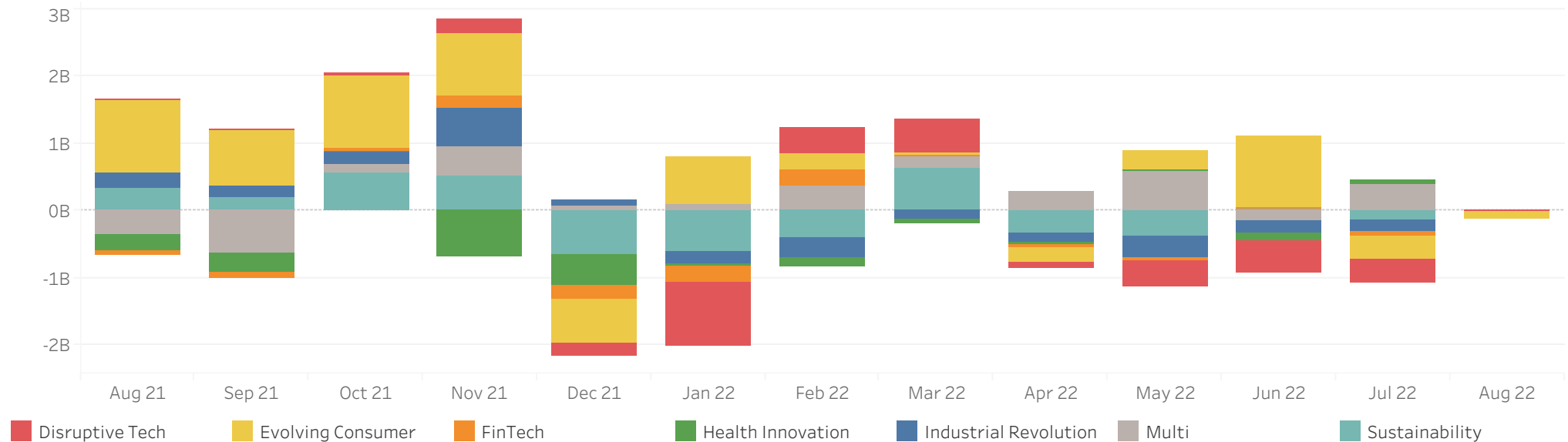
### Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$227M)
ARKG	ARK Genomic Revolution ETF	(\$69M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$19M)
ARKK	ARK Innovation ETF	(\$19M)
FINX	Global X FinTech ETF	(\$16M)
IBUY	Amplify Online Retail ETF	(\$13M)
WCLD	WisdomTree Cloud Computing Fund	(\$12M)
ESPO	VanEck Video Gaming and eSports ETF	(\$10M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$8M)
ARKW	ARK Next Generation Internet ETF	(\$8M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	(\$20M)	(\$1,170M)	(\$359M)	(\$1,252M)
Evolving Consumer	48	\$11B	(\$191M)	\$918M	\$956M	\$4,951M
FinTech	24	\$3B	(\$35M)	(\$147M)	\$48M	(\$299M)
Health Innovation	19	\$4B	(\$60M)	(\$7M)	(\$253M)	(\$1,934M)
Industrial Revolution	32	\$13B	(\$12M)	(\$673M)	(\$1,083M)	(\$187M)
Multi	42	\$16B	\$44M	\$837M	\$1,759M	\$1,395M
Sustainability	42	\$19B	\$42M	(\$475M)	(\$555M)	(\$241M)
Grand Total	242	\$85B	(\$231M)	(\$717M)	\$512M	\$2,434M

### Thematic Monthly Flows



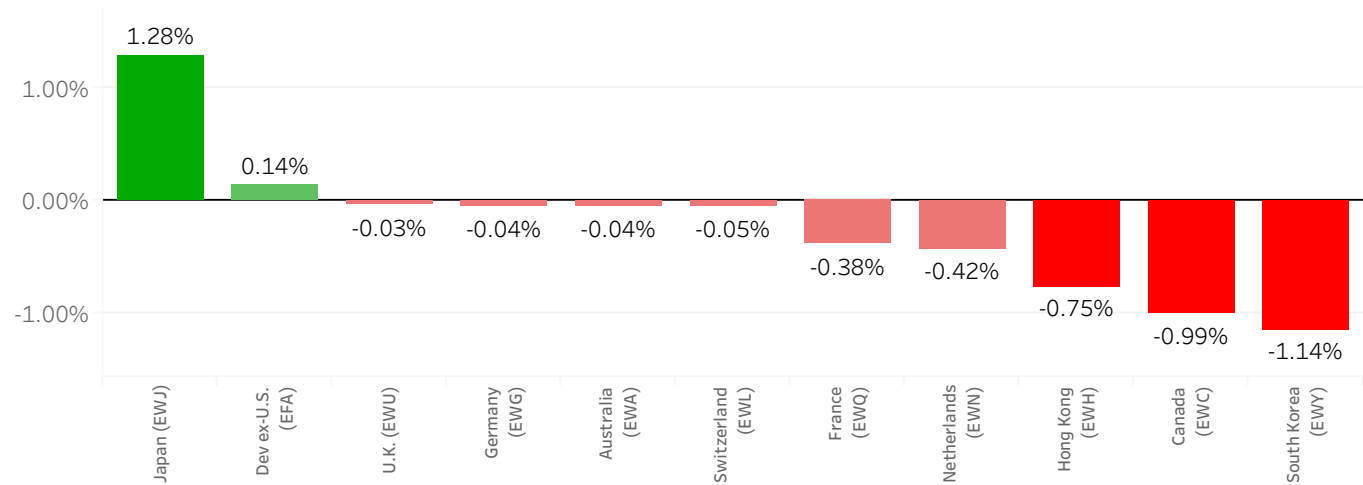
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



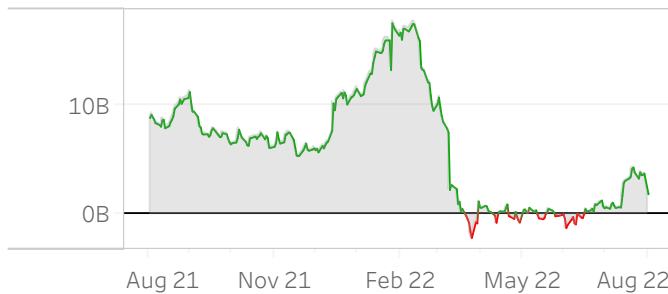
Developed ex-U.S. (EFA)



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



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



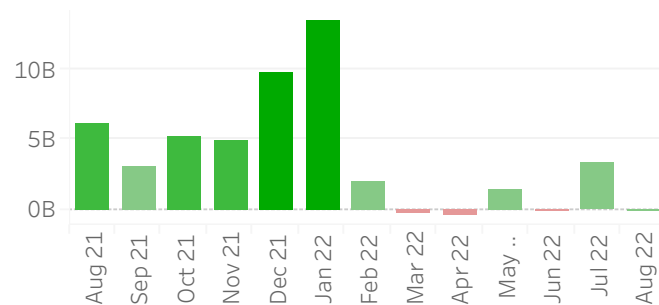
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
IMFL	Invesco International Developed Dynamic Multifactor ETF	3.02%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatility I..	2.46%
GREK	Global X MSCI Greece ETF	1.88%
DFJ	WisdomTree Japan SmallCap Dividend Fund	1.65%
SCJ	iShares MSCI Japan Small-Cap ETF	1.64%
JPXN	iShares JPX-Nikkei 400 ETF	1.57%
BBJP	JPMorgan BetaBuilders Japan ETF	1.45%
FLJP	Franklin FTSE Japan ETF	1.37%
EWJ	iShares MSCI Japan ETF	1.28%
EWJV	iShares MSCI Japan Value ETF	1.10%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DFJ	WisdomTree Japan SmallCap Dividend Fund	76.01
SCJ	iShares MSCI Japan Small-Cap ETF	74.98
BBJP	JPMorgan BetaBuilders Japan ETF	71.59
JPXN	iShares JPX-Nikkei 400 ETF	71.41
FLJP	Franklin FTSE Japan ETF	71.31
EWJ	iShares MSCI Japan ETF	70.65
ENZL	iShares MSCI New Zealand ETF	69.43
IPAC	iShares Core MSCI Pacific ETF	68.61
EFG	iShares MSCI EAFE Growth ETF	68.42
VPL	Vanguard FTSE Pacific ETF	67.92

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
CIL	VictoryShares International Volatility Wtd ETF	-1.65%
EWD	iShares MSCI Sweden ETF	-1.53%
AIA	iShares Asia 50 ETF	-1.49%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	-1.35%
EWP	iShares MSCI Spain ETF	-1.26%
EWY	iShares MSCI South Korea ETF	-1.14%
EWC	iShares MSCI Canada ETF	-0.99%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.96%
FLCA	Franklin FTSE Canada ETF	-0.94%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.87%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
AIA	iShares Asia 50 ETF	38.77
EWH	iShares MSCI Hong Kong ETF	40.98
AAXJ	iShares MSCI All Country Asia ex Japan ETF	45.17
EWP	iShares MSCI Spain ETF	48.51
IDOG	ALPS International Sector Dividend Dogs ETF	51.82
PTIN	Pacer Trendpilot International ETF	52.98
EWO	iShares MSCI Austria ETF	53.03
LVHI	Franklin International Low Volatility High Dividend I..	53.23
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	53.28
CIL	VictoryShares International Volatility Wtd ETF	53.35

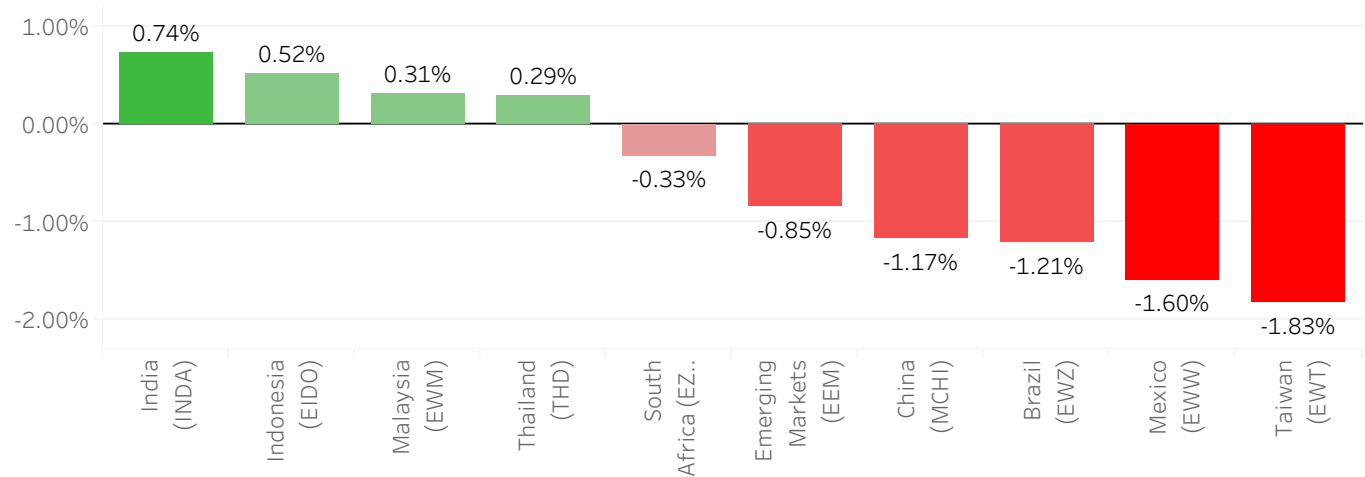
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



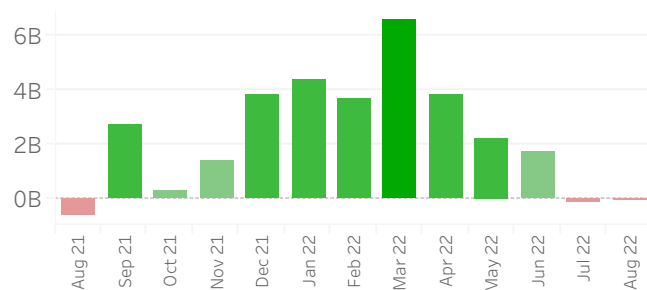
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	2.13%
SMIN	iShares MSCI India Small Cap ETF	1.41%
FLIN	Franklin FTSE India ETF	1.09%
EPI	WisdomTree India Earnings Fund	0.97%
EPOL	iShares MSCI Poland ETF	0.90%
QAT	iShares MSCI Qatar ETF	0.81%
PIN	Invesco India ETF	0.81%
INDA	iShares MSCI India ETF	0.74%
KSA	iShares MSCI Saudi Arabia ETF	0.52%
EIDO	iShares MSCI Indonesia ETF	0.52%

Emerging Most Overbought

Ticker	Fund	Price
PIN	Invesco India ETF	71.97
FLIN	Franklin FTSE India ETF	71.07
NFTY	First Trust India NIFTY 50 Equal Weight ETF	70.69
INDA	iShares MSCI India ETF	69.70
INDY	iShares India 50 ETF	69.15
QAT	iShares MSCI Qatar ETF	68.28
SMIN	iShares MSCI India Small Cap ETF	67.81
EPI	WisdomTree India Earnings Fund	67.34
KSA	iShares MSCI Saudi Arabia ETF	65.24
EIDO	iShares MSCI Indonesia ETF	65.00

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECNS	iShares MSCI China Small-Cap ETF	-3.44%
PGJ	Invesco Golden Dragon China ETF	-2.00%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-1.94%
EWT	iShares MSCI Taiwan ETF	-1.83%
EWW	iShares MSCI Mexico ETF	-1.60%
EDIV	SPDR S&P Emerging Markets Dividend ETF	-1.59%
ILF	iShares Latin America 40 ETF	-1.57%
FLCH	Franklin FTSE China ETF	-1.40%
FXI	iShares China Large-Cap ETF	-1.35%
GXC	SPDR S&P China ETF	-1.26%

Emerging Most Oversold

Ticker	Fund	Price
ECNS	iShares MSCI China Small-Cap ETF	29.18
FLCH	Franklin FTSE China ETF	31.90
GXC	SPDR S&P China ETF	32.20
MCHI	iShares MSCI China ETF	32.86
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	33.08
FXI	iShares China Large-Cap ETF	34.15
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	35.98
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	36.21
RAYC	Rayliant Quantamental China Equity ETF	36.74
CNYA	iShares MSCI China A ETF	36.88

\* 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	0.35%	2.04%	-7.56%
SHY	1-3 Year Treasury Bonds	0.00%	0.11%	-2.60%
IEF	7-10 Year Treasury Bonds	0.58%	2.46%	-7.37%
TLT	20+ Year Treasury Bonds	2.40%	3.83%	-18.06%
TIP	TIPS Bonds	0.05%	2.70%	-5.08%
FLOT	Floating Rate Bonds	-0.04%	0.50%	-0.75%
LQD	Investment Grade Corporate	0.20%	3.34%	-12.18%
HYG	High Yield Corporate	0.03%	5.72%	-7.97%
BKLN	Senior Loan	0.05%	3.05%	-3.13%
PFF	Preferred & Income Securities	0.39%	5.71%	-9.51%
MUB	Municipal Bonds	0.11%	1.97%	-5.66%
MBB	MBS	0.29%	2.76%	-5.41%
EMB	Dollar Denominated EM Bonds	0.45%	2.63%	-17.04%
LEMB	Local Currency EM Bond	0.44%	0.44%	-12.67%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.57%	2.80%	24.22%
DBE	Energy	-2.54%	-6.32%	45.90%
USO	WTI Crude Oil	-3.74%	-8.01%	38.21%
BNO	Brent Crude Oil	-3.77%	-6.54%	49.02%
UNG	Natural Gas	-0.42%	47.59%	128.18%
UGA	Gasoline	-3.36%	-14.39%	46.85%
DBP	Precious Metals	0.44%	-1.44%	-6.35%
GLD	Gold	0.57%	-1.95%	-3.47%
SLV	Silver	0.48%	2.62%	-12.65%
PPLT	abrdn Physical Platin..	1.71%	2.23%	-6.07%
PALL	abrdn Physical Palla..	3.35%	12.29%	15.42%
DBB	Base Metals	-0.56%	1.40%	-12.13%
CPER	Copper	-1.71%	-2.25%	-21.61%
LD	Lead	1.75%	5.05%	-11.34%
JJN	Nickel	2.08%	10.48%	18.12%
JJU	Aluminum	-1.24%	-2.12%	-12.92%
JJT	Tin	1.04%	-5.10%	-34.59%
DBA	Agriculture	-1.14%	-0.10%	1.06%
CORN	Corn	-1.40%	0.16%	14.44%
SOYB	Soybeans	-3.87%	1.11%	15.69%
WEAT	Wheat	-1.18%	-3.13%	13.13%
CANE	Sugar	0.11%	-4.17%	-5.00%
BAL	Cotton	-2.54%	-2.87%	0.63%
NIB	Cocoa	0.96%	1.54%	-13.84%
JO	Coffee	-2.41%	-5.55%	-5.54%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.39%	0.46%	9.95%
UDN	Short Dollar	0.47%	-0.30%	-9.61%
FXE	Euro	0.38%	-1.72%	-10.36%
FXB	British Pound Sterling	0.64%	1.32%	-9.51%
FXF	Swiss Franc	0.23%	0.92%	-4.68%
FXJ	Japanese Yen	1.30%	2.72%	-12.77%
FXC	Canadian Dollar	-0.26%	0.39%	-1.76%
FXA	Australian Dollar	0.57%	2.96%	-3.52%

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