

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

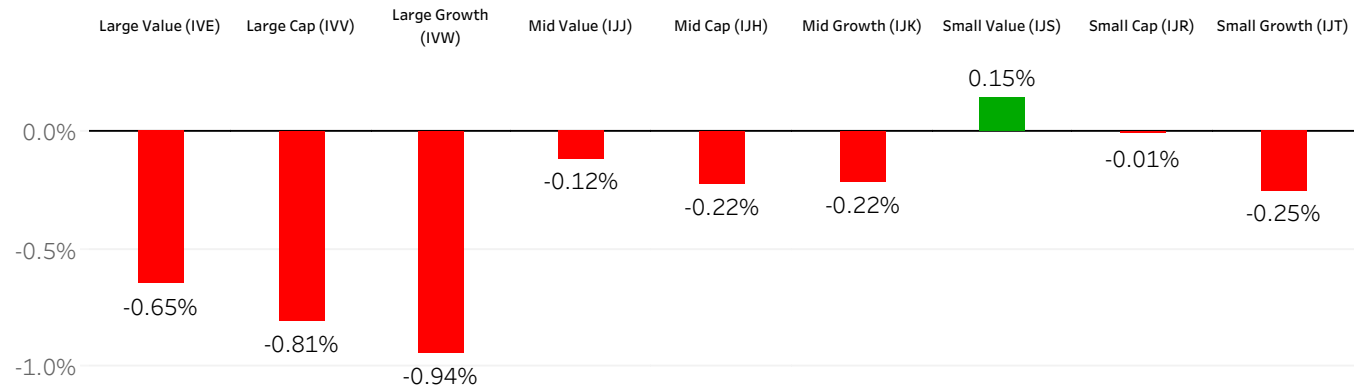


Small Cap Blend (S&P 600) IJR



■ 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
BUZZ	VanEck Social Sentiment ETF	1.47%
IPO	Renaissance IPO ETF	1.23%
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.01%
EQRR	ProShares Equities for Rising Rates ETF	0.83%
WBIY	WBI Power Factor High Dividend ETF	0.83%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	0.73%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	0.72%
SYLD	Cambria Shareholder Yield ETF	0.71%
DWAS	Invesco DWA SmallCap Momentum ETF	0.68%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	0.67%

Size & Style Most Overbought

Ticker	Fund	Price
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	55.04
PTMC	Pacer Trendpilot US Mid Cap ETF	54.70
PTLC	Pacer Trendpilot US Large Cap ETF	53.69
FDM	First Trust Dow Jones Select MicroCap Index Fund	53.50
BUZZ	VanEck Social Sentiment ETF	53.17
SPC	CrossingBridge Pre-Merger SPAC ETF	53.14
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	52.22
JSML	Janus Henderson Small Cap Growth Alpha ETF	51.90
PTNQ	Pacer Trendpilot 100 ETF	51.71
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	51.44

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FTCS	First Trust Capital Strength ETF	-1.42%
OUSA	ALPS O'Shares U.S. Quality Dividend ETF	-1.31%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-1.31%
SPLV	Invesco S&P 500 Low Volatility ETF	-1.26%
ALTL	Pacer Lunt Large Cap Alternator ETF	-1.25%
DURA	VanEck Morningstar Durable Dividend ETF	-1.23%
QLV	FlexShares US Quality Low Volatility Index Fund	-1.18%
MMTM	SPDR S&P 1500 Momentum Tilt ETF	-1.16%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-1.16%
USMC	Principal U.S. Mega-Cap ETF	-1.15%

Size & Style Most Oversold

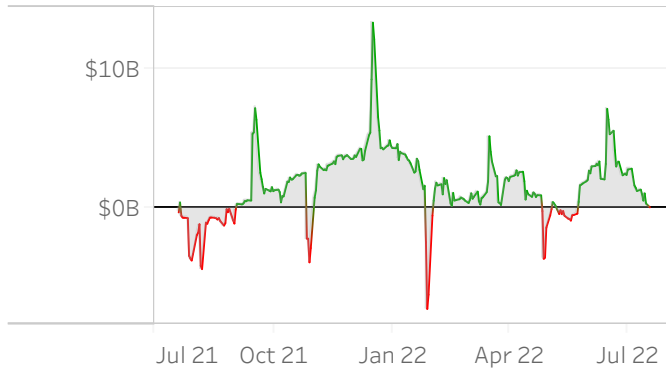
Ticker	Fund	Price
LGH	HCM Defender 500 Index ETF	33.61
QQH	HCM Defender 100 Index ETF	36.10
ABEQ	Absolute Core Strategy ETF	36.68
RUFF	Alpha Dog ETF	37.19
FFTY	Innovator IBD 50 ETF	38.47
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	38.50
CSD	Invesco S&P Spin-Off ETF	38.99
LFEQ	VanEck Long/Flat Trend ETF	39.25
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy..	39.51
RPHS	Regents Park Hedged Market Strategy ETF	40.03

\*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	24	\$1,166B	\$3.06B	\$26.70B	\$37.46B	\$120.85B
Large Cap, Beta Growth, Beta: Growth	9	\$215B	\$0.47B	\$5.43B	\$8.85B	\$15.93B
Large Cap, Beta Growth, Beta: Value	10	\$209B	\$0.00B	\$4.54B	\$15.44B	\$27.56B
Mid Cap, Beta, Beta	10	\$164B	\$0.22B	\$2.79B	\$4.66B	\$11.77B
Mid Cap, Beta, Beta: Growth	6	\$30B	(\$0.06B)	\$0.17B	(\$0.28B)	\$0.52B
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.14B)	(\$0.27B)	(\$0.29B)	\$0.71B
Small Cap, Beta, Beta	13	\$177B	(\$1.31B)	(\$4.23B)	(\$4.54B)	\$6.53B
Small Cap, Beta, Beta: Growth	7	\$29B	(\$0.34B)	\$0.62B	\$0.72B	\$1.44B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.34B)	(\$0.02B)	(\$2.88B)	(\$1.60B)

U.S. Size & Style Flow Leaders

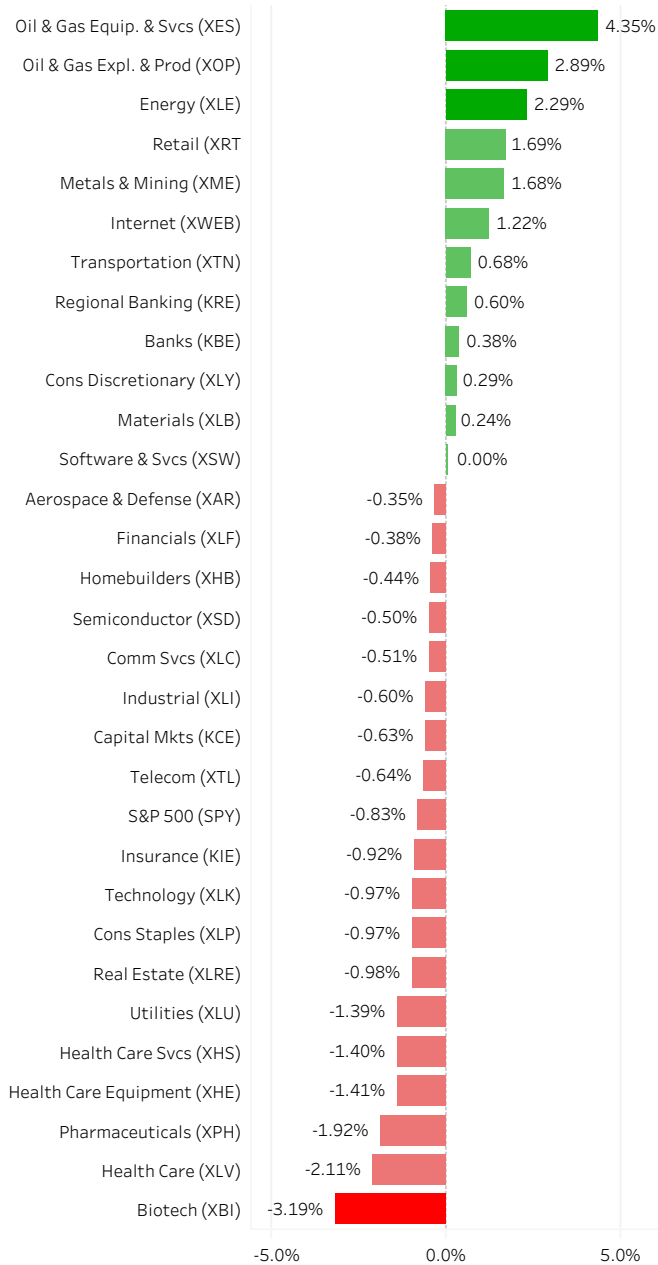
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.30B	\$1.34B	(\$16.94B)	\$15.72B	\$349.03B
QQQ	Invesco QQQ Trust	\$0.90B	\$4.28B	\$5.13B	\$17.14B	\$160.88B
VOO	Vanguard S&P 500 ETF	\$0.51B	\$8.97B	\$27.86B	\$43.38B	\$251.85B
VUG	Vanguard Growth ETF	\$0.45B	\$2.91B	\$5.44B	\$6.73B	\$70.27B
SCHD	Schwab US Dividend Equity ETF	\$0.23B	\$3.24B	\$6.74B	\$10.87B	\$35.06B
DGRW	WisdomTree US Quality Dividend Growth Fund	\$0.21B	(\$0.04B)	\$0.16B	\$0.61B	\$6.39B
VTI	Vanguard Total Stock Market ETF	\$0.21B	\$4.40B	\$11.44B	\$34.85B	\$250.71B
VTV	Vanguard Value ETF	\$0.19B	\$3.45B	\$11.65B	\$17.94B	\$95.38B
IJR	iShares Core S&P Small Cap ETF	\$0.16B	(\$1.37B)	(\$1.10B)	\$3.53B	\$60.87B
VYM	Vanguard High Dividend Yield Index ETF	\$0.12B	\$3.56B	\$5.72B	\$8.42B	\$44.55B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VB	Vanguard Small-Cap ETF	(\$0.66B)	(\$1.02B)	(\$1.06B)	\$1.91B	\$38.93B
SCHA	Schwab U.S. Small-Cap ETF	(\$0.40B)	(\$1.05B)	(\$0.59B)	\$0.36B	\$12.75B
VBK	Vanguard Small-Cap Growth ETF	(\$0.26B)	\$0.04B	\$0.03B	\$0.64B	\$11.83B
VBR	Vanguard Small Cap Value ETF	(\$0.23B)	(\$0.58B)	(\$1.08B)	\$0.56B	\$21.93B
IVE	iShares S&P 500 Value ETF	(\$0.22B)	\$0.59B	\$1.54B	\$2.75B	\$23.24B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.19B)	(\$0.30B)	(\$0.02B)	(\$0.56B)	\$26.73B
IWM	iShares Russell 2000 ETF	(\$0.16B)	\$0.01B	(\$2.17B)	(\$1.52B)	\$50.41B
VTWO	Vanguard Russell 2000 ETF	(\$0.16B)	(\$1.08B)	(\$0.42B)	\$0.81B	\$5.08B
VIG	Vanguard Dividend Appreciation ETF	(\$0.15B)	\$1.00B	\$2.18B	\$4.84B	\$60.79B
IUSG	iShares Core S&P U.S. Growth ETF	(\$0.15B)	\$0.32B	\$0.62B	\$0.97B	\$10.93B

\* 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)
XLP	Consumer Staples Select Sector SPDR Fund	-10.35%	4.99%	-0.79%	-2.88%	47.25
XLU	Utilities Select Sector SPDR Fund	-10.62%	8.23%	-2.77%	-1.61%	43.54
XLV	Health Care Select Sector SPDR Fund	-10.77%	6.31%	-0.57%	-3.54%	47.62
XLI	Industrial Select Sector SPDR Fund	-19.42%	0.96%	-4.23%	-12.94%	41.74
SPY	SPDR S&P 500 ETF Trust	-20.05%	4.40%	-2.24%	-12.19%	46.84
XLB	Materials Select Sector SPDR Fund	-20.31%	1.80%	-8.75%	-14.61%	36.14
XLRE	Real Estate Select Sector SPDR Fund	-21.64%	4.50%	-2.86%	-12.26%	43.33
XLF	Financial Select Sector SPDR Fund	-23.56%	2.99%	-3.54%	-15.06%	45.74
XLE	Energy Select Sector SPDR Fund	-23.97%	53.22%	-11.20%	1.49%	41.49
XLK	Technology Select Sector SPDR Fund	-25.79%	6.16%	-1.07%	-14.01%	50.19
XLY	Consumer Discretionary Select Sector SPDR Fund	-31.29%	7.90%	0.22%	-18.35%	52.49
XLC	Communication Services Select Sector SPDR Fund	-35.93%	3.86%	-2.99%	-19.76%	46.50

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	4.55%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	4.35%
FCG	First Trust Natural Gas ETF	3.49%
PXI	Invesco DWA Energy Momentum ETF	3.16%
FXN	First Trust Energy AlphaDEX Fund	2.99%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	2.89%
AMZA	InfraCap MLP ETF	2.87%
PXE	Invesco Dynamic Energy Exploration & Production ..	2.84%
FTXN	First Trust Nasdaq Oil & Gas ETF	2.53%
AMLPL	Alerian MLP ETF	2.37%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XHS	SPDR S&P Health Care Services ETF	58.01
PKB	Invesco Dynamic Building & Construction ETF	56.53
PTH	Invesco DWA Healthcare Momentum ETF	56.16
XBI	SPDR S&P BIOTECH ETF	55.15
XHB	SPDR S&P Homebuilders ETF	54.13
PSCH	Invesco S&P SmallCap Health Care ETF	52.91
PSI	Invesco Dynamic Semiconductors ETF	52.75
PBE	Invesco Dynamic Biotechnology & Genome ETF	52.53
XLY	Consumer Discretionary Select Sector SPDR Fund	52.49
AMZA	InfraCap MLP ETF	52.39

## Sector & Industry 1 Day Performance Laggards

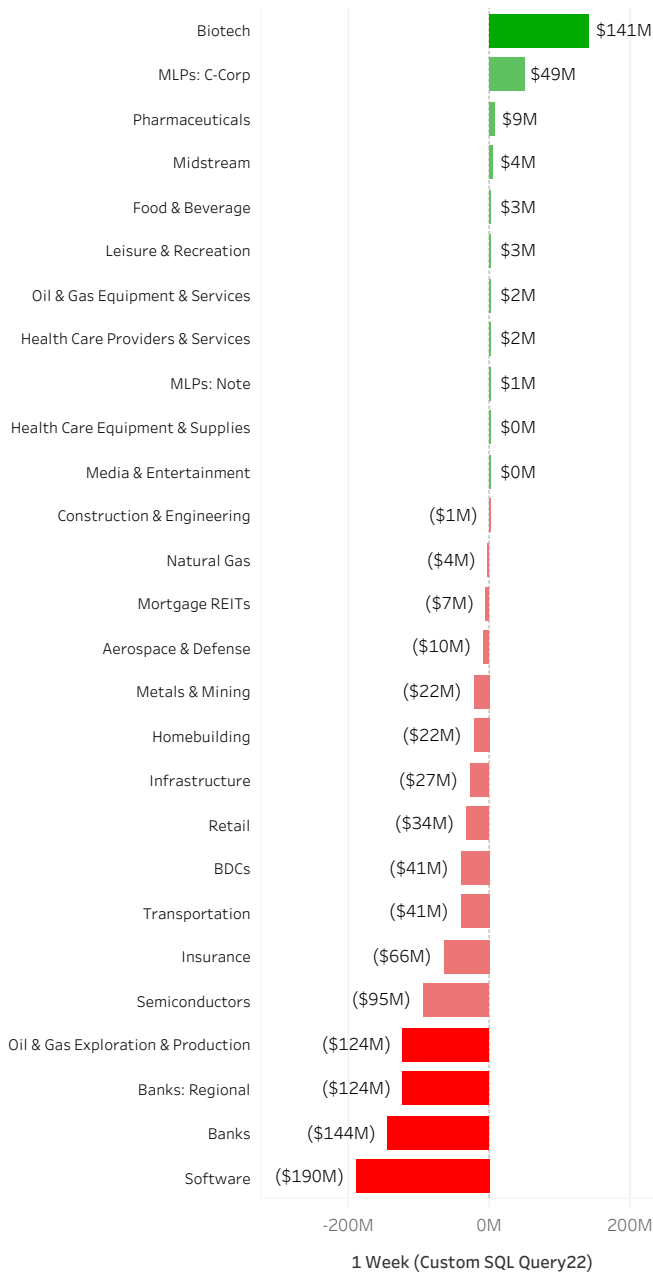
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-3.19%
IBB	iShares Biotechnology ETF	-2.22%
FHLC	Fidelity MSCI Health Care Index ETF	-2.21%
XLV	Health Care Select Sector SPDR Fund	-2.11%
VHT	Vanguard Health Care ETF	-2.09%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-2.09%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-2.06%
PTH	Invesco DWA Healthcare Momentum ETF	-1.99%
PJP	Invesco Dynamic Pharmaceuticals ETF	-1.98%
XPH	SPDR S&P Pharmaceuticals ETF	-1.92%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	31.74
XLB	Materials Select Sector SPDR Fund	36.14
RTM	Invesco S&P 500 Equal Weight Materials ETF	37.21
VAW	Vanguard Materials ETF	37.36
KIE	SPDR S&P Insurance ETF	37.54
FMAT	Fidelity MSCI Materials Index ETF	37.67
PYZ	Invesco DWA Basic Materials Momentum ETF	38.42
FXZ	First Trust Materials AlphaDEX Fund	38.54
XES	SPDR S&P Oil & Gas Equipment & Services ETF	39.00
VRAI	Virtus Real Asset Income ETF	39.74

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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	\$117M	(\$34M)	(\$526M)	(\$15M)
Consumer Discretionary	12	\$21B	(\$567M)	(\$3,297M)	(\$5,933M)	(\$5,623M)
Consumer Staples	11	\$27B	\$520M	\$1,698M	\$4,384M	\$7,153M
Energy	31	\$66B	(\$271M)	(\$3,404M)	(\$2,347M)	\$1,755M
Financials	23	\$55B	(\$977M)	(\$11,853M)	(\$18,068M)	(\$9,744M)
Health Care	22	\$92B	\$957M	\$3,911M	\$7,758M	\$13,879M
Industrial	11	\$26B	(\$54M)	(\$2,517M)	(\$3,487M)	(\$5,062M)
Materials	9	\$14B	(\$474M)	(\$2,284M)	(\$407M)	(\$1,774M)
Multi-Sector	17	\$14B	(\$75M)	(\$384M)	(\$4,953M)	(\$3,146M)
Real Estate	23	\$66B	\$6M	(\$2,342M)	(\$4,901M)	\$3,305M
Technology	23	\$116B	(\$316M)	(\$1,759M)	(\$1,750M)	\$4,781M
Utilities	9	\$26B	\$798M	\$3,021M	\$5,174M	\$6,031M

## U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$694M	\$2,523M	\$5,281M	\$8,777M	\$39,217M
XLU	Utilities Select Sector SPDR Fund	\$515M	\$2,391M	\$3,570M	\$4,031M	\$16,541M
FUTY	Fidelity MSCI Utilities Index ETF	\$281M	\$730M	\$893M	\$933M	\$2,046M
VDC	Vanguard Consumer Staples ETF	\$276M	\$170M	\$414M	\$1,018M	\$6,701M
XLP	Consumer Staples Select Sector SPDR Fund	\$221M	(\$88M)	\$1,682M	\$3,689M	\$15,310M
XLC	Communication Services Select Sector SPDR Fu..	\$85M	\$350M	(\$189M)	\$267M	\$9,608M
XLI	Industrial Select Sector SPDR Fund	\$70M	(\$1,095M)	(\$3,363M)	(\$4,563M)	\$12,010M
XBI	SPDR S&P BIOTECH ETF	\$67M	\$1,184M	\$2,475M	\$3,583M	\$7,639M
VHT	Vanguard Health Care ETF	\$60M	(\$148M)	\$440M	\$1,196M	\$16,303M
IBB	iShares Biotechnology ETF	\$56M	\$69M	(\$44M)	\$111M	\$8,139M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$559M)	(\$7,523M)	(\$10,884M)	(\$5,299M)	\$28,422M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$484M)	(\$1,461M)	(\$2,955M)	(\$1,850M)	\$13,910M
XLB	Materials Select Sector SPDR Fund	(\$218M)	(\$734M)	(\$1,230M)	(\$2,134M)	\$5,742M
VAW	Vanguard Materials ETF	(\$193M)	(\$624M)	(\$656M)	(\$516M)	\$2,788M
IGV	iShares Expanded Tech-Software Sector ETF	(\$188M)	\$372M	\$423M	\$1,424M	\$4,458M
KRE	SPDR S&P Regional Banking ETF	(\$124M)	(\$1,115M)	(\$1,784M)	(\$1,190M)	\$2,933M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$119M)	(\$753M)	(\$633M)	(\$675M)	\$4,033M
KIE	SPDR S&P Insurance ETF	(\$98M)	\$85M	\$75M	(\$217M)	\$479M
SOXX	iShares Semiconductor ETF	(\$95M)	(\$452M)	(\$294M)	\$1,292M	\$6,546M
KBE	SPDR S&P Bank ETF	(\$92M)	(\$368M)	(\$1,100M)	(\$766M)	\$2,011M

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Communication Services



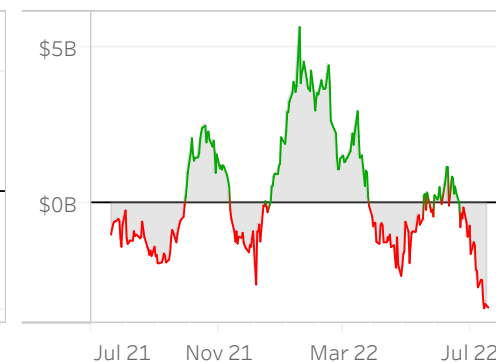
Consumer Discretionary



Consumer Staples



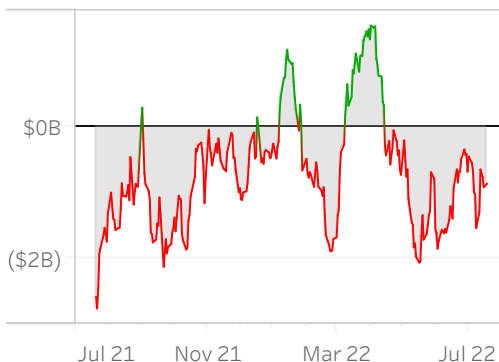
Energy



Financials



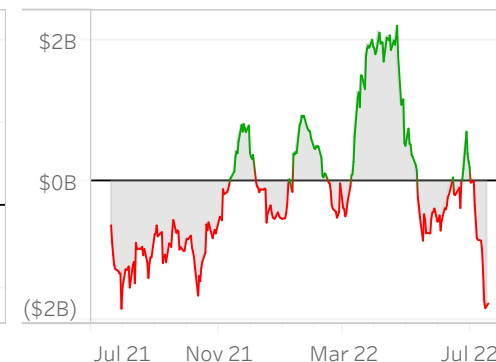
Industrial



Health Care



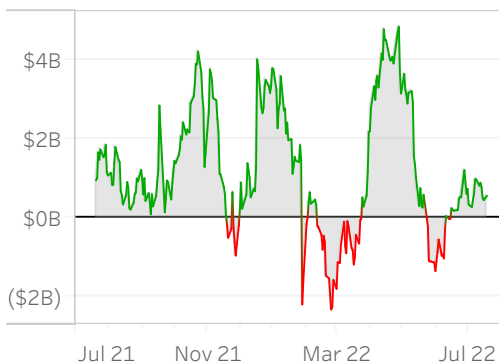
Materials



Real Estate



Technology



Utilities

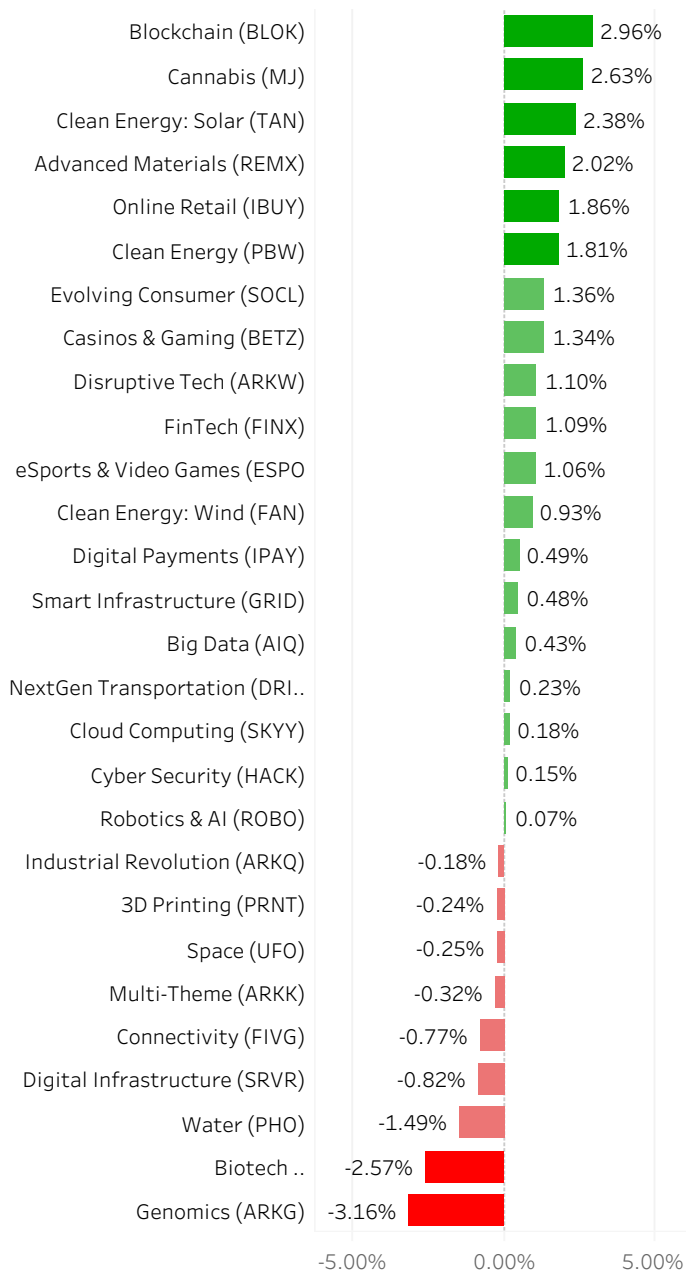


Multi-Sector

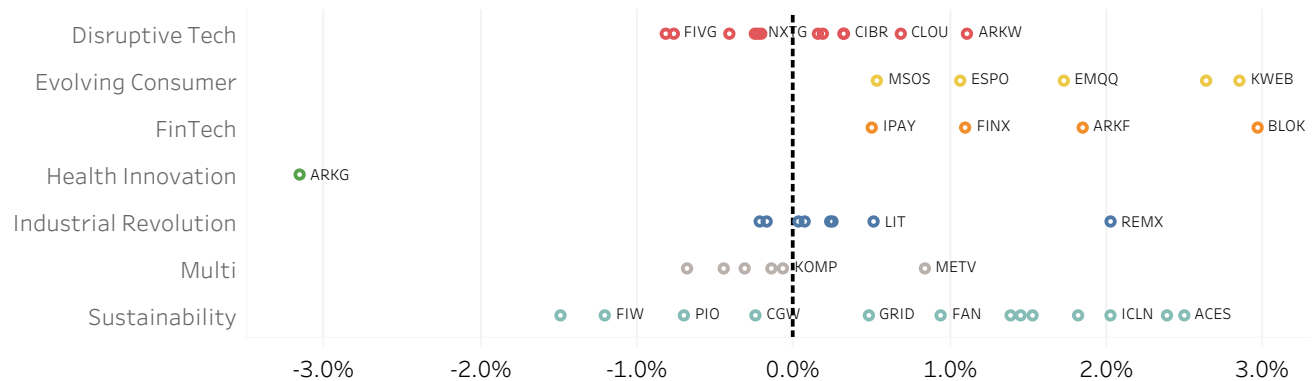


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
BKCH	Global X Blockchain ETF	8.20%
BITQ	Bitwise Crypto Industry Innovators ETF	6.16%
CTEC	Global X CleanTech ETF	3.33%
BLOK	Amplify Transformational Data Sharing ETF	2.96%
KWEB	KraneShares CSI China Internet ETF	2.84%
MJ	ETFMG Alternative Harvest ETF	2.63%
ACES	ALPS Clean Energy ETF	2.49%
TAN	Invesco Solar ETF	2.38%
PBD	Invesco Global Clean Energy ETF	2.09%
REMX	VanEck Rare Earth/Strategic Metals ETF	2.02%

## Thematic Most Overbought

Ticker	Fund	Price
GNOM	Global X Genomics & Biotechnology ETF	59.00
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	55.56
SBIO	ALPS Medical Breakthroughs ETF	54.93
ARKG	ARK Genomic Revolution ETF	53.79
BTEC	Principal Healthcare Innovators ETF	53.28
KGRN	KraneShares MSCI China Clean Technology Index ETF	51.86
BITQ	Bitwise Crypto Industry Innovators ETF	51.59
ARKK	ARK Innovation ETF	51.56
EDOC	Global X Telemedicine & Digital Health ETF Registered	51.24
BKCH	Global X Blockchain ETF	51.12

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
ARKG	ARK Genomic Revolution ETF	-3.16%
GNOM	Global X Genomics & Biotechnology ETF	-2.63%
BTEC	Principal Healthcare Innovators ETF	-2.58%
SBIO	ALPS Medical Breakthroughs ETF	-2.57%
HTEC	ROBO Global Healthcare Technology and Innovation E..	-2.49%
IDNA	iShares Genomics Immunology and Healthcare ETF Ge..	-2.01%
GDOC	Goldman Sachs Future Health Care Equity ETF	-1.82%
EDOC	Global X Telemedicine & Digital Health ETF Registered	-1.58%
PHO	Invesco Water Resources ETF	-1.49%
AGNG	Global X Aging Population ETF	-1.43%

## Thematic Most Oversold

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	36.96
LEGR	First Trust Indxx Innovative Transaction & Process ETF	40.86
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	41.19
EVX	VanEck Environmental Services ETF	41.69
VPN	Global X Data Center REITs & Digital Infrastructure ETF	41.73
NXTG	First Trust Indxx NextG ETF	41.76
MJ	ETFMG Alternative Harvest ETF	41.93
REMX	VanEck Rare Earth/Strategic Metals ETF	42.24
HERO	Global X Video Games & Esports ETF	42.61
YOLO	AdvisorShares Pure Cannabis ETF	42.86

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	\$34M
TAN	Invesco Solar ETF	\$32M
ARKG	ARK Genomic Revolution ETF	\$19M
MSOS	AdvisorShares Pure US Cannabis ETF	\$18M
GINN	Goldman Sachs Innovate Equity ETF	\$13M
ARKK	ARK Innovation ETF	\$11M
WCLD	WisdomTree Cloud Computing Fund	\$7M
TARK	AXS 2X Innovation ETF	\$5M
TECB	iShares U.S. Tech Breakthrough Multisector ETF	\$3M
ARKW	ARK Next Generation Internet ETF	\$2M

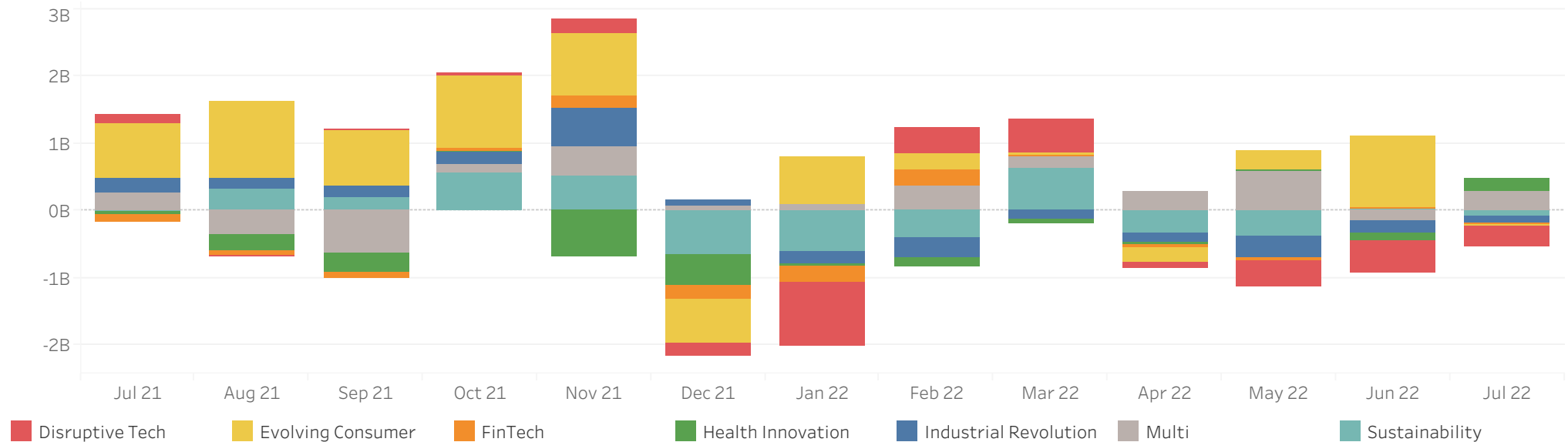
## Thematic 1 Week Flow Laggards

Ticker	Fund	
SKYY	First Trust Cloud Computing ETF	(\$156M)
KWEB	KraneShares CSI China Internet ETF	(\$81M)
ONLN	ProShares Online Retail ETF	(\$57M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$29M)
CLOU	Global X Cloud Computing ETF	(\$19M)
PBW	Invesco WilderHill Clean Energy ETF	(\$16M)
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	(\$13M)
HERO	Global X Video Games & Esports ETF	(\$12M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$10M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$9M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$76M)	(\$1,109M)	(\$695M)	(\$1,100M)
Evolving Consumer	48	\$11B	(\$144M)	\$1,048M	\$1,323M	\$6,242M
FinTech	24	\$3B	(\$11M)	(\$114M)	\$71M	(\$346M)
Health Innovation	19	\$4B	\$21M	\$14M	(\$187M)	(\$1,867M)
Industrial Revolution	32	\$12B	(\$34M)	(\$707M)	(\$1,385M)	(\$21M)
Multi	42	\$16B	(\$14M)	\$968M	\$2,086M	\$1,554M
Sustainability	42	\$17B	(\$120M)	(\$720M)	(\$772M)	(\$168M)
Grand Total	242	\$81B	(\$378M)	(\$620M)	\$441M	\$4,294M

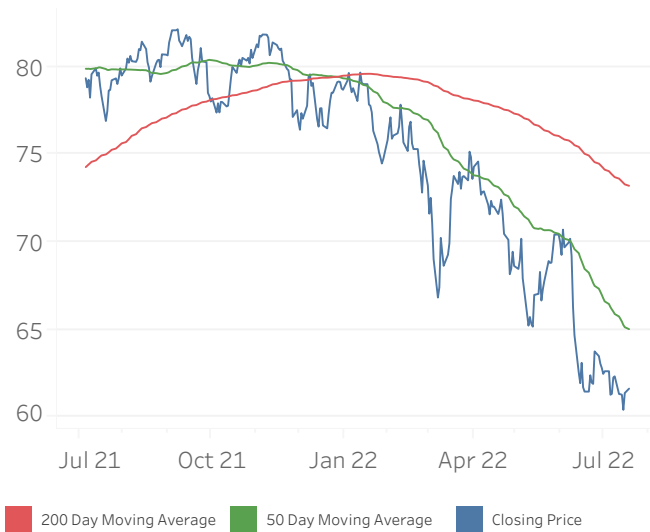
## Thematic Monthly Flows



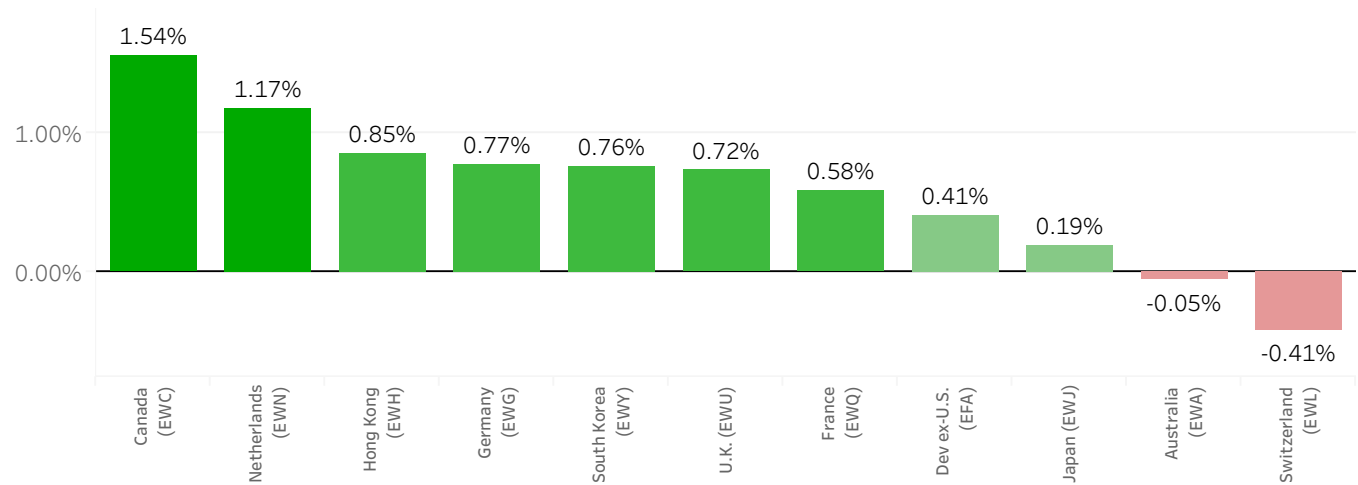
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



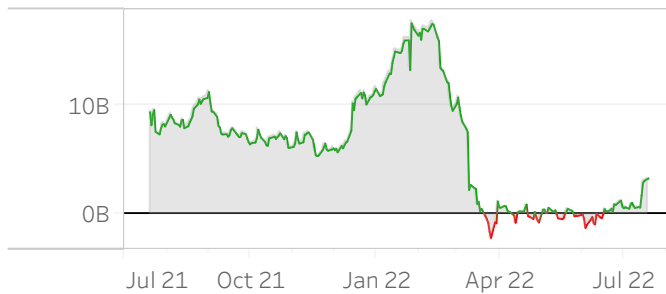
Developed ex-U.S. (EFA)



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



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



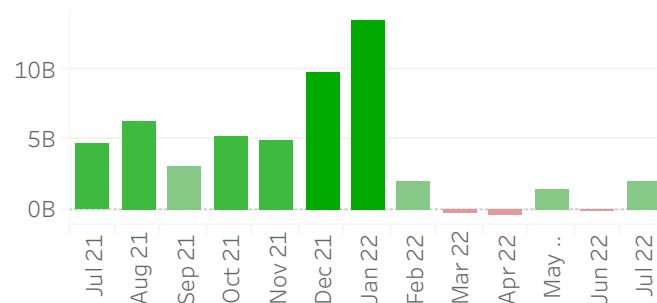
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	2.67%
EWI	iShares MSCI Italy ETF	1.69%
IVAL	Alpha Architect International Quantitative Value ETF	1.63%
DFE	WisdomTree Europe SmallCap Dividend Fund	1.62%
FKU	First Trust United Kingdom AlphaDEX Fund	1.56%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	1.56%
FEP	First Trust Europe AlphaDEX Fund	1.55%
EWC	iShares MSCI Canada ETF	1.54%
FDD	First Trust Stoxx European Select Dividend Index Fund	1.54%
AVDV	Avantis International Small Cap Value ETF	1.54%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	54.31
HEWJ	iShares Currency Hedged MSCI Japan ETF	52.77
DXJ	WisdomTree Japan Hedged Equity Fund	50.79
EDEN	iShares MSCI Denmark ETF	50.62
QLVD	FlexShares Developed Markets ex-US Quality Low Volatil..	50.34
ISRA	VanEck Israel ETF	49.76
EIS	iShares MSCI Israel ETF	49.56
JIRE	JPMorgan International Research Enhanced Equity ETF	49.29
ENZL	iShares MSCI New Zealand ETF	49.19
EFG	iShares MSCI EAFE Growth ETF	48.29

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	-3.89%
EWL	iShares MSCI Switzerland ETF	-0.41%
LVHI	Franklin International Low Volatility High Dividend Index ..	-0.35%
TOK	iShares MSCI Kokusai ETF	-0.29%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.22%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.21%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.11%
EWP	iShares MSCI Spain ETF	-0.09%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.08%
EWA	iShares MSCI Australia ETF	-0.05%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
FYLD	Cambria Foreign Shareholder Yield ETF	32.92
EWP	iShares MSCI Spain ETF	33.47
DTH	WisdomTree International High Dividend Fund	33.74
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	34.06
DWM	WisdomTree International Equity Fund	34.87
FIDI	Fidelity International High Dividend ETF	35.05
IMFL	Invesco International Developed Dynamic Multifact..	35.47
DIM	WisdomTree International MidCap Dividend Fund	35.78
EWI	iShares MSCI Italy ETF	36.63
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	36.68

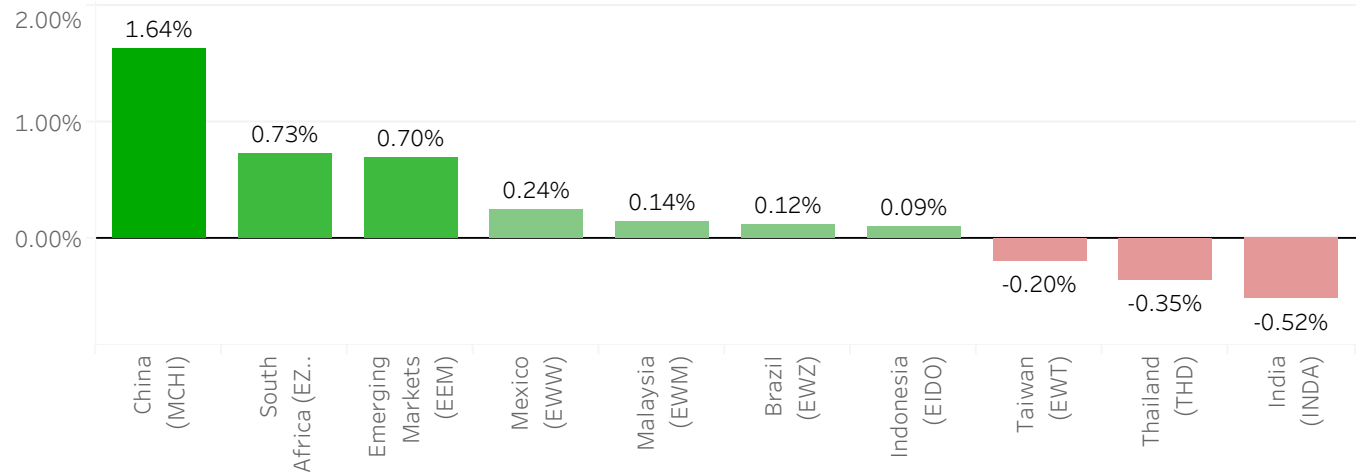
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Emerging (EEM)



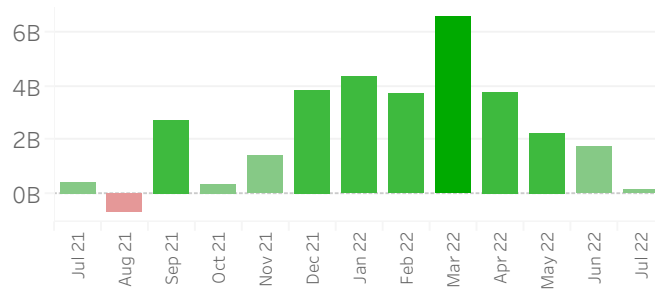
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPU	iShares MSCI Peru ETF	2.91%
KSA	iShares MSCI Saudi Arabia ETF	2.70%
QAT	iShares MSCI Qatar ETF	2.63%
ECH	iShares MSCI Chile ETF	2.48%
EPOL	iShares MSCI Poland ETF	2.13%
PGJ	Invesco Golden Dragon China ETF	2.03%
FXI	iShares China Large-Cap ETF	1.93%
GXC	SPDR S&P China ETF	1.69%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	1.65%
FLCH	Franklin FTSE China ETF	1.64%

Emerging Most Overbought

Ticker	Fund	Value
PIN	Invesco India ETF	51.65
SMIN	iShares MSCI India Small Cap ETF	50.61
INDA	iShares MSCI India ETF	49.95
FLIN	Franklin FTSE India ETF	48.99
ECH	iShares MSCI Chile ETF	48.18
PGJ	Invesco Golden Dragon China ETF	47.80
INDY	iShares India 50 ETF	47.54
FNI	First Trust Chindia ETF	46.81
KSA	iShares MSCI Saudi Arabia ETF	46.77
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	46.73

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
SMIN	iShares MSCI India Small Cap ETF	-1.14%
FLIN	Franklin FTSE India ETF	-0.71%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.61%
INDY	iShares India 50 ETF	-0.60%
INDA	iShares MSCI India ETF	-0.52%
PIN	Invesco India ETF	-0.43%
EPI	WisdomTree India Earnings Fund	-0.40%
THD	iShares MSCI Thailand ETF	-0.35%
ADRE	Invesco BLDRE Emerging Markets 50 ADR Index Fund	-0.26%
EWT	iShares MSCI Taiwan ETF	-0.20%

Emerging Most Oversold

Ticker	Fund	Value
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	27.66
DEM	WisdomTree Emerging Markets High Dividend Fund	28.64
EPHE	iShares MSCI Philippines ETF	29.98
EELV	Invesco S&P Emerging Markets Low Volatility ETF	30.07
THD	iShares MSCI Thailand ETF	30.59
PIE	Invesco DWA Emerging Markets Momentum ETF	30.92
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	31.75
DVYE	iShares Emerging Markets Dividend ETF	31.91
FLBR	Franklin FTSE Brazil ETF	32.12
EWZS	iShares MSCI Brazil Small-Cap ETF	32.19

\*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%	1.76%	-9.78%
SHY	1-3 Year Treasury Bonds	-0.06%	0.27%	-3.21%
IEF	7-10 Year Treasury Bonds	-0.29%	2.40%	-10.29%
TLT	20+ Year Treasury Bonds	-1.04%	2.74%	-21.69%
TIP	TIPS Bonds	-0.13%	0.26%	-8.14%
FLOT	Floating Rate Bonds	0.02%	0.20%	-0.90%
LQD	Investment Grade Corporate	-0.70%	1.75%	-15.07%
HYG	High Yield Corporate	-0.97%	1.42%	-12.02%
BKLN	Senior Loan	0.25%	0.62%	-4.70%
PFF	Preferred & Income Securities	-0.18%	4.13%	-13.82%
MUB	Municipal Bonds	-0.19%	1.91%	-6.90%
MBB	MBS	-0.15%	2.59%	-8.07%
EMB	Dollar Denominated EM Bonds	0.05%	-3.31%	-22.37%
LEMB	Local Currency EM Bond	0.20%	-3.05%	-15.63%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	2.87%	-8.98%	20.03%
DBE	Energy	2.08%	-10.35%	46.60%
USO	WTI Crude Oil	4.16%	-7.84%	41.30%
BNO	Brent Crude Oil	4.76%	-4.26%	51.65%
UNG	Natural Gas	4.54%	7.01%	102.88%
UGA	Gasoline	2.44%	-11.00%	53.52%
DBP	Precious Metals	0.18%	-8.63%	-10.51%
GLD	Gold	0.09%	-7.07%	-6.90%
SLV	Silver	0.17%	-13.81%	-19.94%
PPLT	abrdn Physical Platin..	2.05%	-7.59%	-10.81%
PALL	abrdn Physical Palla..	0.10%	1.95%	-2.83%
DBB	Base Metals	2.30%	-12.83%	-17.92%
CPER	Copper	2.56%	-17.89%	-26.46%
LD	Lead	2.11%	-10.39%	-15.23%
JJN	Nickel	3.36%	-18.51%	0.22%
JJU	Aluminum	3.39%	-5.91%	-13.84%
JJT	Tin	0.02%	-22.03%	-34.58%
DBA	Agriculture	2.14%	-7.94%	1.62%
CORN	Corn	1.11%	-14.80%	14.16%
SOYB	Soybeans	2.58%	-9.38%	13.41%
WEAT	Wheat	3.72%	-21.13%	13.13%
CANE	Sugar	0.85%	1.28%	3.26%
BAL	Cotton	6.43%	-19.70%	1.61%
NIB	Cocoa	0.84%	-4.63%	-14.01%
JO	Coffee	6.41%	-5.95%	-5.42%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.55%	2.68%	11.98%
UDN	Short Dollar	0.62%	-2.76%	-11.36%
FXE	Euro	0.60%	-3.42%	-11.34%
FXB	British Pound Sterling	0.74%	-2.15%	-11.74%
FXF	Swiss Franc	-0.04%	-0.76%	-7.29%
FXJ	Japanese Yen	0.33%	-2.25%	-16.82%
FXC	Canadian Dollar	0.34%	0.36%	-2.78%
FXA	Australian Dollar	0.29%	-1.81%	-6.48%

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