

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

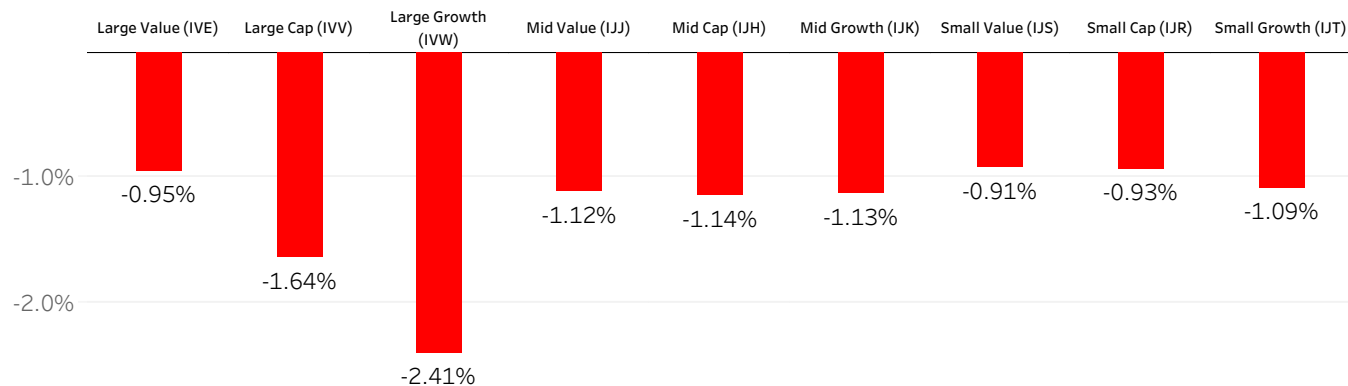


Small Cap Blend (S&P 600) IJR



■ 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
PABU	iShares Paris-Aligned Climate MSCI USA ETF	5.11%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	3.09%
FFTY	Innovator IBD 50 ETF	0.85%
SIXS	ETC 6 Meridian Small Cap Equity ETF	0.37%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	0.12%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.10%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.08%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
MGMT	Ballast Small/Mid Cap ETF	-0.09%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.10%

Size & Style Most Overbought

Ticker	Fund	Price
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	60.45
MGMT	Ballast Small/Mid Cap ETF	59.27
XSMO	Invesco S&P SmallCap Momentum ETF	59.14
AVUV	Avantis U.S. Small Cap Value ETF	58.92
DWAS	Invesco DWA SmallCap Momentum ETF	58.51
DIVZ	TrueShares Low Volatility Equity Income ETF	58.50
EQRR	ProShares Equities for Rising Rates ETF	58.34
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	58.27
SVAL	iShares US Small Cap Value Factor ETF	57.93
CSML	IQ Chaikin U.S. Small Cap ETF	57.82

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BUZZ	VanEck Social Sentiment ETF	-3.55%
IPO	Renaissance IPO ETF	-3.50%
WINN	Harbor Long-Term Growers ETF	-2.85%
MMLG	First Trust Multi-Manager Large Growth ETF	-2.84%
TMFC	Motley Fool 100 Index ETF	-2.73%
QQQM	Invesco NASDAQ 100 ETF	-2.67%
MGK	Vanguard Mega Cap Growth ETF	-2.62%
SCHG	Schwab U.S. Large-Cap Growth ETF	-2.60%
QQQ	Invesco QQQ Trust	-2.60%
LCG	Sterling Capital Focus Equity ETF	-2.54%

Size & Style Most Oversold

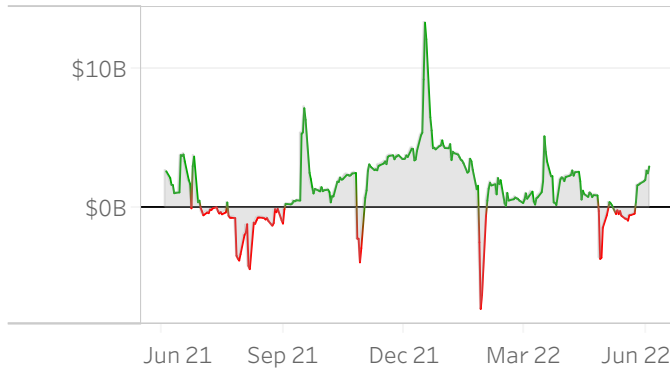
Ticker	Fund	Price
PTMC	Pacer Trendpilot US Mid Cap ETF	44.99
PTLC	Pacer Trendpilot US Large Cap ETF	45.22
SPLV	Invesco S&P 500 Low Volatility ETF	45.54
QQH	HCM Defender 100 Index ETF	45.55
ALTL	Pacer Lunt Large Cap Alternator ETF	45.90
TMFS	Motley Fool Small-Cap Growth ETF	46.31
LGH	HCM Defender 500 Index ETF	46.51
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	46.81
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	47.03
IPO	Renaissance IPO ETF	47.21

\*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	\$1,245B	(\$1.25B)	\$5.23B	\$35.03B	\$128.90B
Large Cap, Beta Growth, Beta: Growth	10	\$228B	\$0.56B	\$7.39B	\$7.54B	\$18.87B
Large Cap, Beta Growth, Beta: Value	11	\$226B	\$0.16B	\$4.64B	\$18.24B	\$26.08B
Mid Cap, Beta, Beta	10	\$182B	\$0.92B	\$3.58B	\$6.90B	\$11.84B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.13B	\$0.33B	(\$0.64B)	\$0.42B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.10B	(\$0.47B)	\$0.44B	\$0.09B
Small Cap, Beta, Beta	13	\$196B	\$0.12B	(\$3.76B)	(\$1.87B)	\$7.64B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.10B	\$0.61B	\$1.18B	\$1.69B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.14B	(\$2.73B)	(\$1.68B)	(\$2.04B)

U.S. Size & Style Flow Leaders

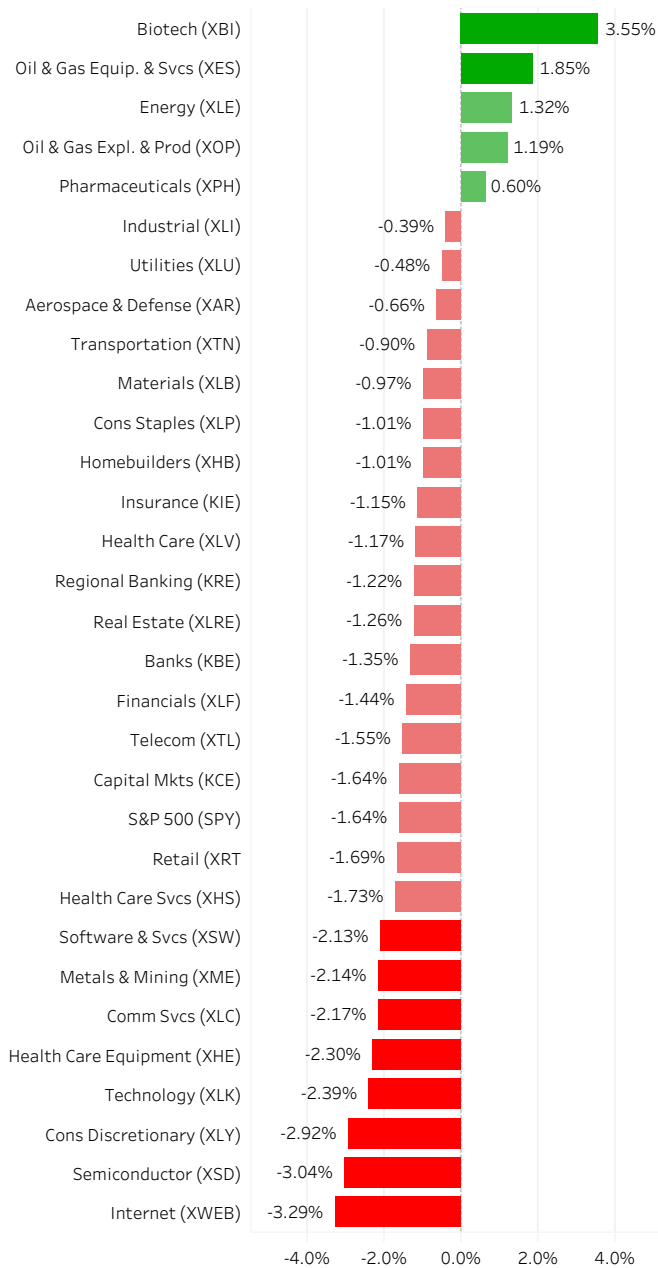
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.91B	\$2.05B	\$12.07B	\$29.00B	\$306.10B
VOO	Vanguard S&P 500 ETF	\$1.34B	(\$1.20B)	\$14.83B	\$41.96B	\$264.60B
VTI	Vanguard Total Stock Market ETF	\$0.57B	\$5.18B	\$14.22B	\$38.20B	\$269.65B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.55B	\$0.08B	(\$1.99B)	(\$1.88B)	\$10.94B
VO	Vanguard Mid-Cap ETF	\$0.54B	\$1.69B	\$2.75B	\$6.83B	\$52.40B
VTV	Vanguard Value ETF	\$0.44B	\$3.37B	\$13.09B	\$17.61B	\$102.59B
VUG	Vanguard Growth ETF	\$0.36B	\$3.40B	\$4.56B	\$6.84B	\$74.50B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.36B	\$0.95B	\$1.85B	\$4.09B	\$14.11B
COWZ	Pacer US Cash Cows 100 ETF	\$0.29B	\$3.51B	\$5.03B	\$5.48B	\$6.44B
SCHD	Schwab US Dividend Equity ETF	\$0.28B	\$1.95B	\$5.92B	\$10.83B	\$36.95B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.91B)	\$3.33B	\$2.96B	\$22.17B	\$168.73B
VONV	Vanguard Russell 1000 Value ETF	(\$0.55B)	(\$0.52B)	(\$0.28B)	\$0.89B	\$6.66B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.32B)	\$0.22B	(\$0.60B)	(\$1.13B)	\$27.02B
LRGF	iShares U.S. Equity Factor ETF	(\$0.22B)	(\$0.03B)	(\$0.03B)	\$0.12B	\$1.14B
NULV	Nuveen ESG Large-Cap Value ETF	(\$0.18B)	\$0.13B	\$0.36B	\$0.53B	\$1.47B
IVW	iShares S&P 500 Growth ETF	(\$0.13B)	\$0.03B	(\$1.10B)	(\$0.14B)	\$31.21B
QDF	FlexShares Quality Dividend Index Fund	(\$0.11B)	\$0.06B	\$0.08B	\$0.10B	\$1.67B
VTWO	Vanguard Russell 2000 ETF	(\$0.08B)	(\$0.51B)	(\$0.10B)	\$1.75B	\$5.80B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	(\$0.06B)	(\$0.06B)	(\$0.86B)	(\$0.68B)	\$2.96B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.05B)	(\$1.96B)	(\$4.77B)	(\$5.37B)	\$10.34B

\* 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)
XLE	Energy Select Sector SPDR Fund	0.00%	95.48%	11.62%	37.25%	67.77
XLU	Utilities Select Sector SPDR Fund	-3.39%	17.59%	0.72%	6.99%	56.29
XLB	Materials Select Sector SPDR Fund	-4.35%	9.56%	0.55%	1.33%	55.04
XLP	Consumer Staples Select Sector SPDR Fund	-8.38%	7.30%	-3.51%	-0.55%	44.82
XLV	Health Care Select Sector SPDR Fund	-9.11%	4.91%	-2.89%	-2.27%	45.45
XLI	Industrial Select Sector SPDR Fund	-10.80%	6.47%	-1.46%	-5.55%	53.23
SPY	SPDR S&P 500 ETF Trust	-14.06%	5.41%	-2.92%	-7.55%	50.19
XLRE	Real Estate Select Sector SPDR Fund	-15.38%	5.06%	-5.34%	-6.98%	46.29
XLF	Financial Select Sector SPDR Fund	-15.81%	5.92%	-2.64%	-8.72%	49.87
XLK	Technology Select Sector SPDR Fund	-20.75%	7.05%	-3.03%	-10.44%	50.69
XLY	Consumer Discretionary Select Sector SPDR Fund	-27.63%	11.01%	-7.62%	-16.89%	48.11
XLC	Communication Services Select Sector SPDR Fund	-30.71%	4.96%	-4.85%	-18.25%	48.22

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	3.55%
IEZ	iShares U.S. Oil Equipment & Services ETF	2.15%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.85%
PXE	Invesco Dynamic Energy Exploration & Production ..	1.80%
PXJ	Invesco Dynamic Oil & Gas Services ETF	1.67%
PSCE	Invesco S&P SmallCap Energy ETF	1.46%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	1.35%
XLE	Energy Select Sector SPDR Fund	1.32%
RYE	Invesco S&P 500 Equal Weight Energy ETF	1.32%
VDE	Vanguard Energy ETF	1.27%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	71.47
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	70.69
PXE	Invesco Dynamic Energy Exploration & Production ETF	70.13
FCG	First Trust Natural Gas ETF	69.27
FXN	First Trust Energy AlphaDEX Fund	69.20
PSCE	Invesco S&P SmallCap Energy ETF	69.18
PXI	Invesco DWA Energy Momentum ETF	69.06
RYE	Invesco S&P 500 Equal Weight Energy ETF	68.41
IYE	iShares U.S. Energy ETF	68.35
FENY	Fidelity MSCI Energy Index ETF	68.19

### Sector & Industry 1 Day Performance Laggards

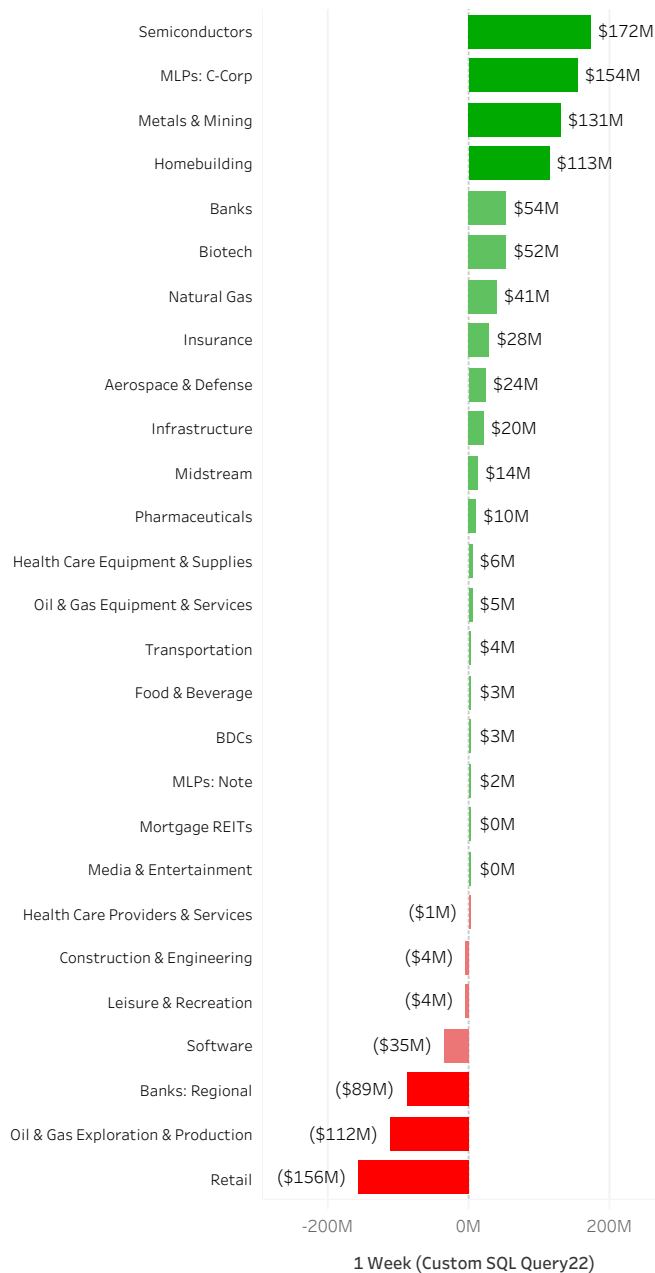
Ticker	Fund	1 Day Performance
FTXL	First Trust Nasdaq Semiconductor ETF	-3.05%
XSD	SPDR S&P Semiconductor ETF	-3.04%
XNTK	SPDR NYSE Technology ETF	-3.04%
SOXX	iShares Semiconductor ETF	-2.99%
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.92%
PSI	Invesco Dynamic Semiconductors ETF	-2.87%
SOXQ	Invesco PHLX Semiconductor ETF	-2.77%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-2.72%
IYW	iShares U.S. Technology ETF	-2.68%
PNQI	Invesco NASDAQ Internet ETF	-2.62%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
FTXG	First Trust Nasdaq Food & Beverage ETF	40.99
IHF	iShares U.S. Healthcare Providers ETF	42.29
REZ	iShares Residential and Multisector Real Estate ETF	42.83
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	43.06
RWR	SPDR Dow Jones REIT ETF	43.18
SZNE	Pacer CFRA-StoVal Equal Weight Seasonal Rotation ETF	43.65
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	43.99
PPTY	US Diversified Real Estate ETF	44.12
FRI	First Trust S&P REIT Index Fund	44.36
IYK	iShares U.S. Consumer Staples ETF	44.38

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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	\$15B	\$22M	(\$216M)	(\$1,187M)	\$224M
Consumer Discretionary	13	\$25B	(\$224M)	(\$2,325M)	(\$4,523M)	(\$4,350M)
Consumer Staples	12	\$27B	(\$158M)	\$1,998M	\$6,286M	\$6,641M
Energy	34	\$88B	\$357M	(\$1,035M)	\$7,176M	\$4,055M
Financials	28	\$65B	(\$295M)	(\$12,794M)	(\$6,827M)	(\$10,470M)
Health Care	26	\$89B	\$825M	\$5,842M	\$9,509M	\$14,468M
Industrial	14	\$30B	(\$623M)	(\$1,711M)	(\$1,554M)	(\$6,493M)
Materials	10	\$19B	\$424M	\$1,643M	\$2,286M	(\$470M)
Multi-Sector	19	\$17B	\$138M	(\$2,120M)	(\$3,754M)	(\$2,589M)
Real Estate	23	\$72B	\$53M	(\$1,487M)	\$236M	\$6,831M
Technology	24	\$128B	\$491M	\$1,329M	(\$734M)	\$7,250M
Utilities	10	\$27B	\$53M	\$3,307M	\$3,785M	\$5,299M

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

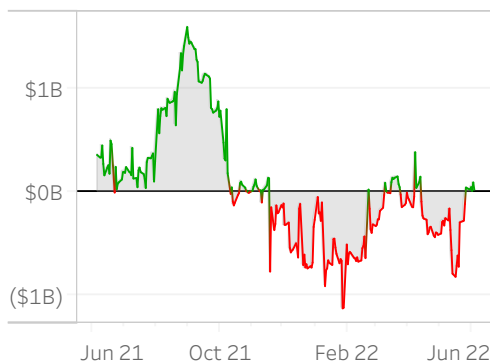
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$661M	\$5,356M	\$7,333M	\$10,313M	\$39,403M
VGT	Vanguard Information Technology ETF	\$361M	\$1,061M	\$122M	\$2,422M	\$45,440M
XLB	Materials Select Sector SPDR Fund	\$246M	\$290M	(\$38M)	(\$1,796M)	\$7,824M
XLE	Energy Select Sector SPDR Fund	\$190M	(\$1,368M)	\$1,477M	\$1,020M	\$43,407M
SOXX	iShares Semiconductor ETF	\$172M	(\$168M)	\$425M	\$1,647M	\$7,950M
IYR	iShares U.S. Real Estate ETF	\$170M	(\$1,004M)	(\$1,009M)	(\$562M)	\$4,730M
XBI	SPDR S&P BIOTECH ETF	\$146M	\$626M	\$2,417M	\$2,978M	\$5,801M
AMLP	Alerian MLP ETF	\$141M	\$230M	\$649M	\$586M	\$7,142M
XME	SPDR S&P Metals & Mining ETF	\$131M	(\$31M)	\$793M	\$197M	\$3,032M
FXG	First Trust Consumer Staples AlphaDEX Fund	\$104M	\$361M	\$423M	\$400M	\$708M

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

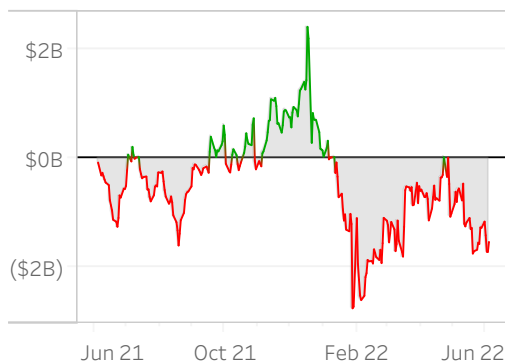
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$596M)	(\$1,770M)	(\$1,843M)	(\$5,437M)	\$14,055M
XLP	Consumer Staples Select Sector SPDR Fund	(\$285M)	\$139M	\$3,548M	\$3,602M	\$15,674M
XLF	Financial Select Sector SPDR Fund	(\$253M)	(\$7,610M)	(\$3,262M)	(\$7,373M)	\$34,432M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$161M)	(\$741M)	(\$85M)	(\$1,198M)	\$5,661M
XRT	SPDR S&P Retail ETF	(\$156M)	\$47M	(\$187M)	(\$180M)	\$432M
XLRE	Real Estate Select Sector SPDR Fund	(\$127M)	\$387M	\$762M	\$2,550M	\$5,531M
IBB	iShares Biotechnology ETF	(\$94M)	(\$109M)	(\$119M)	(\$415M)	\$7,371M
KRE	SPDR S&P Regional Banking ETF	(\$73M)	(\$1,090M)	(\$620M)	(\$1,278M)	\$3,801M
VNQ	Vanguard Real Estate ETF	(\$67M)	(\$587M)	\$488M	\$2,904M	\$42,780M
KBE	SPDR S&P Bank ETF	(\$42M)	(\$756M)	(\$406M)	(\$732M)	\$2,552M

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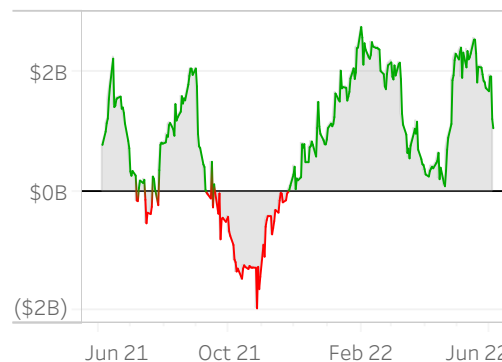
Communication Services



Consumer Discretionary



Consumer Staples



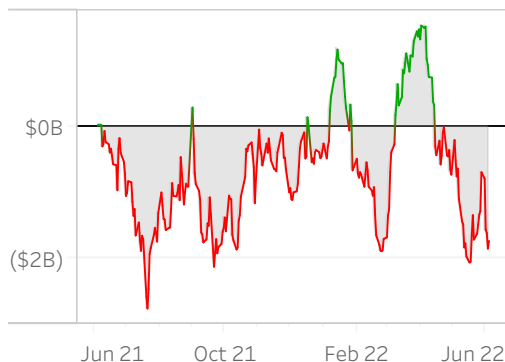
Energy



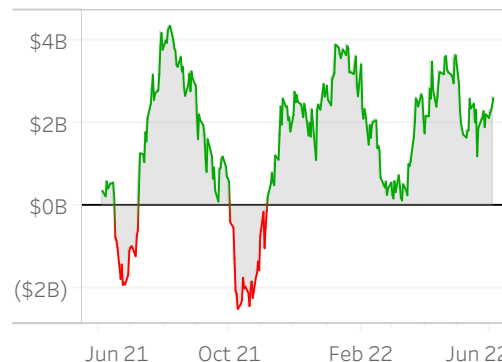
Financials



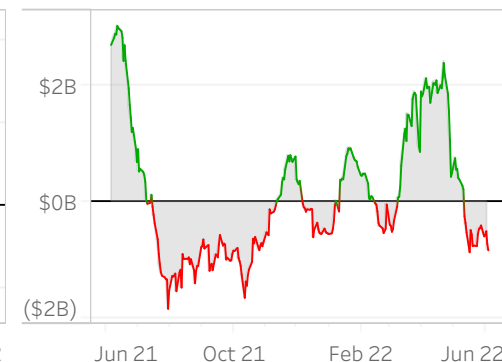
Industrial



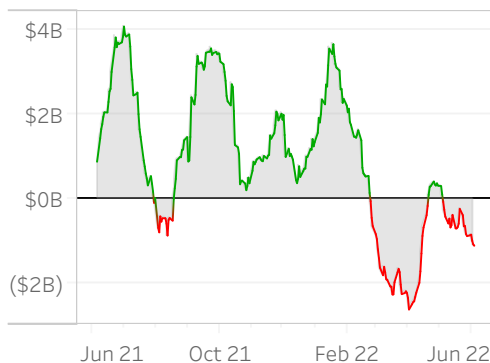
Health Care



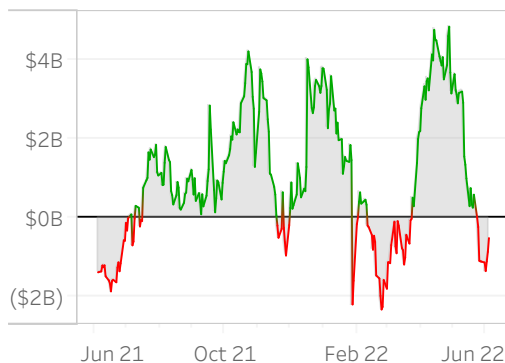
Materials



Real Estate



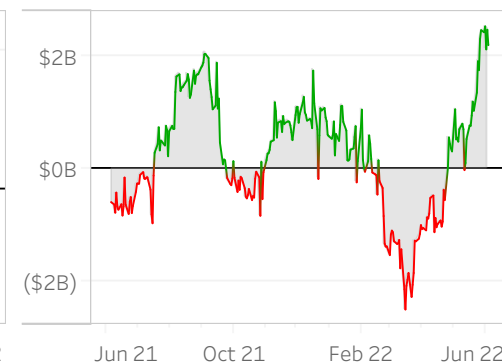
Technology



Utilities

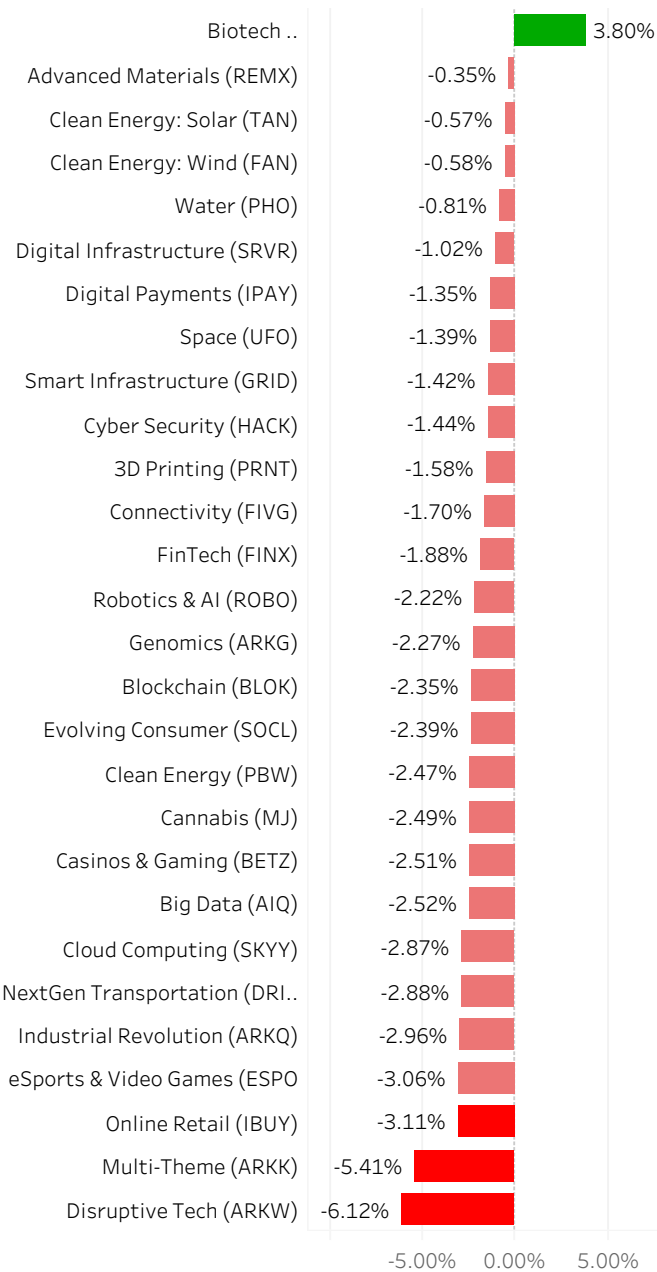


Multi-Sector

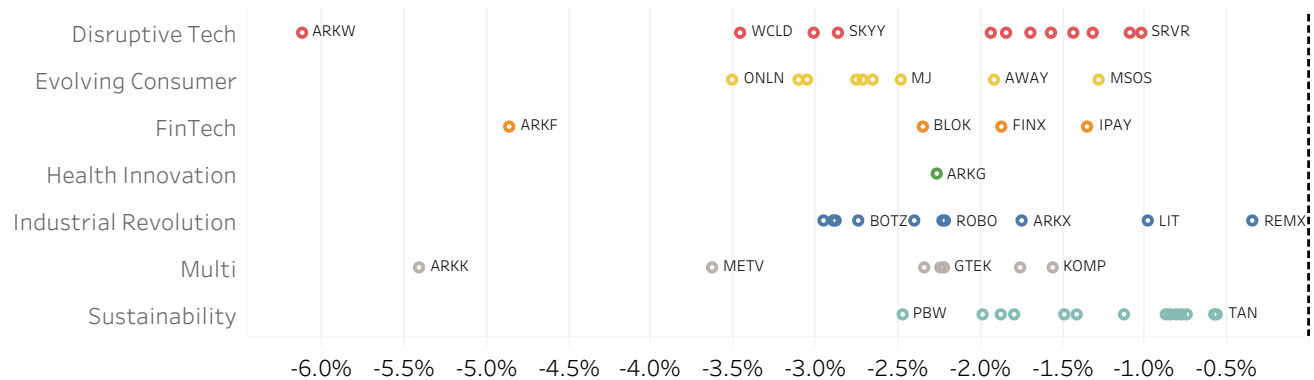


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
SBIO	ALPS Medical Breakthroughs ETF	3.80%
BTEC	Principal Healthcare Innovators ETF	0.63%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	-0.25%
EVX	VanEck Environmental Services ETF	-0.29%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.35%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-0.45%
GNOM	Global X Genomics & Biotechnology ETF	-0.50%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-0.55%
TAN	Invesco Solar ETF	-0.57%
FAN	First Trust Global Wind Energy ETF	-0.58%

Thematic Most Overbought

Ticker	Fund	Price
TAN	Invesco Solar ETF	63.66
KSTR	KraneShares SSE STAR Market 50 Index ETF	63.37
KGRN	KraneShares MSCI China Clean Technology Index ETF	60.67
ICLN	iShares Global Clean Energy ETF	59.93
CNRG	SPDR S&P Kensho Clean Power ETF	59.67
EVX	VanEck Environmental Services ETF	59.29
LIT	Global X Lithium & Battery Tech ETF	58.86
FAN	First Trust Global Wind Energy ETF	58.60
KWEB	KraneShares CSI China Internet ETF	57.72
CTEC	Global X CleanTech ETF	57.65

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
ARKW	ARK Next Generation Internet ETF	-6.12%
ARKK	ARK Innovation ETF	-5.41%
ARKF	ARK Fintech Innovation ETF	-4.87%
BITQ	Bitwise Crypto Industry Innovators ETF	-4.83%
BKCH	Global X Blockchain ETF	-4.28%
METV	Roundhill Ball Metaverse ETF	-3.63%
ONLN	ProShares Online Retail ETF	-3.51%
WCLD	WisdomTree Cloud Computing Fund	-3.46%
IBUY	Amplify Online Retail ETF	-3.11%
EBIZ	Global X E-Commerce ETF	-3.08%

Thematic Most Oversold

Ticker	Fund	Price
POTX	Global X Cannabis ETF	32.98
YOLO	AdvisorShares Pure Cannabis ETF	36.43
CNBS	Amplify Seymour Cannabis ETF	37.15
BKCH	Global X Blockchain ETF	37.62
MJ	ETFMG Alternative Harvest ETF	37.98
BITQ	Bitwise Crypto Industry Innovators ETF	38.18
MSOS	AdvisorShares Pure US Cannabis ETF	40.08
BLOK	Amplify Transformational Data Sharing ETF	41.71
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	42.45
ARKW	ARK Next Generation Internet ETF	44.60

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$53M
ARKF	ARK Fintech Innovation ETF	\$20M
LIT	Global X Lithium & Battery Tech ETF	\$19M
SAMT	Strategas Macro Thematic Opportunities ETF	\$16M
CNRG	SPDR S&P Kensho Clean Power ETF	\$16M
ARKW	ARK Next Generation Internet ETF	\$15M
WCLD	WisdomTree Cloud Computing Fund	\$13M
XITK	SPDR FactSet Innovative Technology ETF	\$10M
TARK	AXS 2X Innovation ETF	\$6M
TAN	Invesco Solar ETF	\$6M

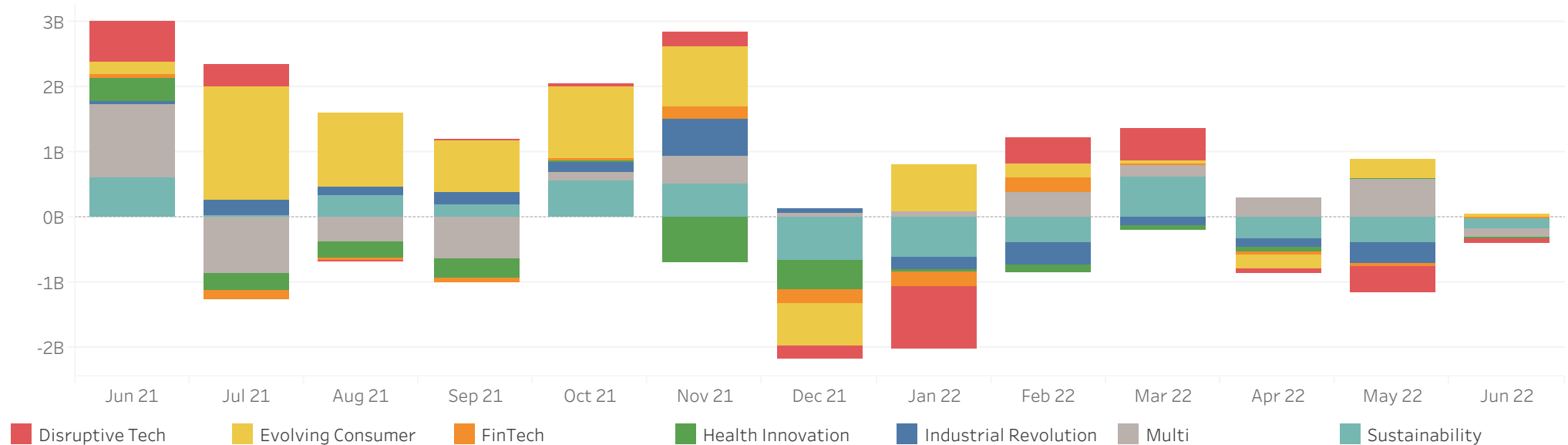
## Thematic 1 Week Flow Laggards

Ticker	Fund	
PBW	Invesco WilderHill Clean Energy ETF	(\$104M)
ARKG	ARK Genomic Revolution ETF	(\$70M)
ICLN	iShares Global Clean Energy ETF	(\$32M)
SKYY	First Trust Cloud Computing ETF	(\$28M)
NXTG	First Trust Indxx NextG ETF	(\$25M)
ACES	ALPS Clean Energy ETF	(\$24M)
ARKK	ARK Innovation ETF	(\$23M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$17M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$13M)
FIVG	Defiance Next Gen Connectivity ETF	(\$9M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$20B	(\$60M)	(\$294M)	(\$741M)	\$426M
Evolving Consumer	48	\$11B	\$49M	\$328M	\$400M	\$6,323M
FinTech	24	\$4B	\$24M	(\$53M)	(\$247M)	(\$261M)
Health Innovation	19	\$4B	(\$68M)	(\$135M)	(\$586M)	(\$1,825M)
Industrial Revolution	32	\$13B	\$3M	(\$620M)	(\$1,038M)	\$356M
Multi	42	\$16B	(\$2M)	\$868M	\$1,632M	\$1,312M
Sustainability	41	\$18B	(\$169M)	(\$338M)	(\$1,769M)	\$335M
Grand Total	241	\$87B	(\$222M)	(\$244M)	(\$2,350M)	\$6,666M

## Thematic Monthly Flows



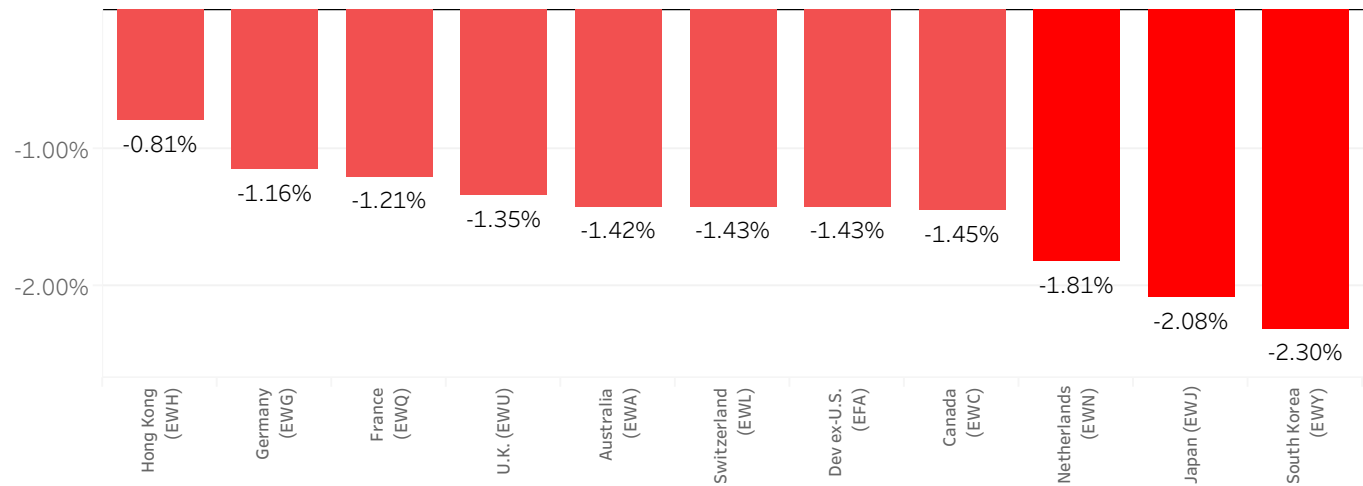
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Developed ex-U.S. (EFA)



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



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



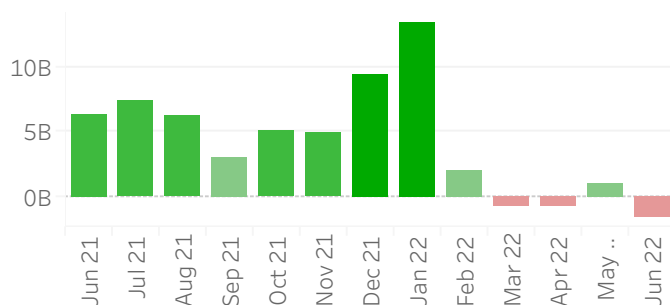
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWO	iShares MSCI Austria ETF	0.38%
PTIN	Pacer Trendpilot International ETF	0.14%
FKU	First Trust United Kingdom AlphaDEX Fund	-0.48%
EDEN	iShares MSCI Denmark ETF	-0.57%
ENZL	iShares MSCI New Zealand ETF	-0.63%
DDW..	WisdomTree Dynamic Currency Hedged International Equity ..	-0.65%
LVHI	Legg Mason International Low Volatility High Dividend ETF	-0.66%
TTAI	FCF International Quality ETF	-0.71%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	-0.72%
EWY	iShares MSCI Hong Kong ETF	-0.81%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWO	iShares MSCI Austria ETF	63.10
IVAL	Alpha Architect International Quantitative Value ETF	60.91
FYLD	Cambria Foreign Shareholder Yield ETF	58.36
EWY	iShares MSCI Hong Kong ETF	58.19
DFIV	Dimensional International Value ETF	58.01
DXJ	WisdomTree Japan Hedged Equity Fund	57.94
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	57.78
GREK	Global X MSCI Greece ETF	57.57
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	57.18
EWG	iShares MSCI Germany ETF	57.14

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWY	iShares MSCI South Korea ETF	-2.30%
FLKR	Franklin FTSE South Korea ETF	-2.25%
CIL	VictoryShares International Volatility Wtd ETF	-2.25%
FLJP	Franklin FTSE Japan ETF	-2.22%
BBJP	JPMorgan BetaBuilders Japan ETF	-2.19%
AIA	iShares Asia 50 ETF	-2.13%
EWJ	iShares MSCI Japan ETF	-2.08%
IPAC	iShares Core MSCI Pacific ETF	-2.00%
EWJV	iShares MSCI Japan Value ETF	-1.98%
JPNX	iShares JPNX-Nikkei 400 ETF	-1.95%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	42.39
LVHI	Legg Mason International Low Volatility High Divide..	44.42
WPS	iShares International Developed Property ETF	45.06
EFAD	ProShares MSCI EAFE Dividend Growers ETF	45.42
EWS	iShares MSCI Singapore ETF	45.66
QEFA	SPDR MSCI EAFE StrategicFactors ETF	46.06
EFVA	iShares MSCI EAFE Min Vol Factor ETF	46.22
SCJ	iShares MSCI Japan Small-Cap ETF	46.75
EFAX	SPDR MSCI EAFE Fossil Fuel Free ETF	46.90
JPNX	iShares JPNX-Nikkei 400 ETF	46.93

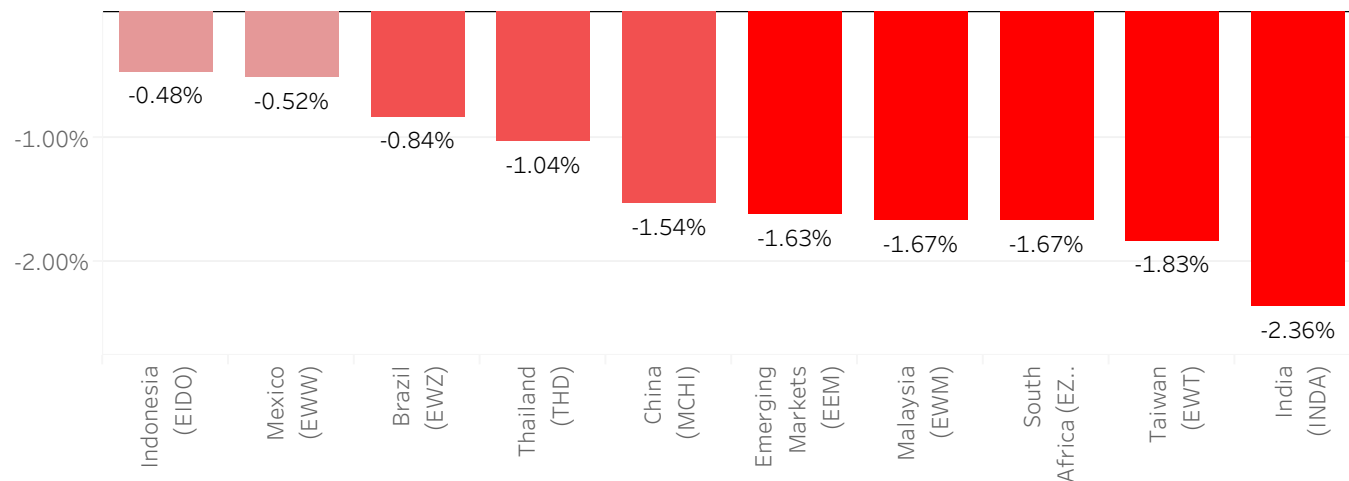
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Emerging (EEM)



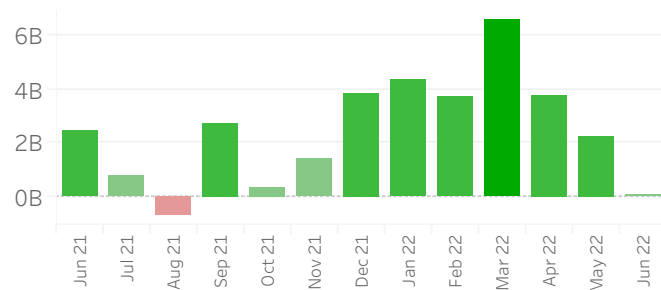
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	0.46%
QAT	iShares MSCI Qatar ETF	0.09%
ECH	iShares MSCI Chile ETF	-0.23%
EIDO	iShares MSCI Indonesia ETF	-0.48%
EWW	iShares MSCI Mexico ETF	-0.52%
RAYC	Rayliant Quantamental China Equity ETF	-0.53%
ILF	iShares Latin America 40 ETF	-0.56%
FLN	First Trust Latin America AlphaDEX Fund	-0.59%
CNYA	iShares MSCI China A ETF	-0.68%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.74%

Emerging Most Overbought

Ticker	Fund	Price
ECH	iShares MSCI Chile ETF	68.59
FLN	First Trust Latin America AlphaDEX Fund	60.95
ILF	iShares Latin America 40 ETF	58.38
CNYA	iShares MSCI China A ETF	58.34
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	58.14
FRDM	Freedom 100 Emerging Markets ETF	58.12
FXI	iShares China Large-Cap ETF	57.86
GXC	SPDR S&P China ETF	57.69
MCHI	iShares MSCI China ETF	57.57
EWZ	iShares MSCI Brazil ETF	57.45

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
SMIN	iShares MSCI India Small Cap ETF	-3.41%
EPOL	iShares MSCI Poland ETF	-2.99%
GLIN	VanEck India Growth Leaders ETF	-2.88%
FLIN	Franklin FTSE India ETF	-2.62%
EPI	WisdomTree India Earnings Fund	-2.45%
INDA	iShares MSCI India ETF	-2.36%
PGJ	Invesco Golden Dragon China ETF	-2.34%
PIN	Invesco India ETF	-2.24%
INDY	iShares India 50 ETF	-2.17%
FNI	First Trust Chindia ETF	-2.08%

Emerging Most Oversold

Ticker	Fund	Price
EWM	iShares MSCI Malaysia ETF	35.61
EPHE	iShares MSCI Philippines ETF	39.82
KSA	iShares MSCI Saudi Arabia ETF	40.26
QAT	iShares MSCI Qatar ETF	40.66
GLIN	VanEck India Growth Leaders ETF	40.66
VNM	VanEck Vietnam ETF	42.47
FM	iShares MSCI Frontier and Select EM ETF	43.03
SMIN	iShares MSCI India Small Cap ETF	44.04
EPI	WisdomTree India Earnings Fund	44.71
INDA	iShares MSCI India ETF	45.52

\*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	-0.17%	0.63%	-9.15%
SHY	1-3 Year Treasury Bonds	-0.04%	0.45%	-2.60%
IEF	7-10 Year Treasury Bonds	-0.19%	0.64%	-10.33%
TLT	20+ Year Treasury Bonds	-0.22%	-1.47%	-21.09%
TIP	TIPS Bonds	0.58%	0.73%	-5.52%
FLOT	Floating Rate Bonds	-0.04%	-0.33%	-0.58%
LQD	Investment Grade Corporate	-0.32%	0.95%	-13.67%
HYG	High Yield Corporate	-0.74%	0.39%	-7.87%
BKLN	Senior Loan	-0.05%	-1.01%	-2.67%
PFF	Preferred & Income Securities	-0.35%	3.73%	-10.86%
MUB	Municipal Bonds	0.04%	1.65%	-6.42%
MBB	MBS	-0.34%	1.16%	-7.64%
EMB	Dollar Denominated EM Bonds	-0.68%	1.05%	-14.97%
LEMB	Local Currency EM Bond	-0.42%	0.97%	-9.84%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.30%	5.49%	41.25%
DBE	Energy	1.94%	13.94%	72.25%
USO	WTI Crude Oil	2.54%	16.66%	64.59%
BNO	Brent Crude Oil	2.76%	17.32%	69.44%
UNG	Natural Gas	0.59%	8.10%	131.87%
UGA	Gasoline	1.91%	27.89%	95.46%
DBP	Precious Metals	-1.10%	-1.32%	-1.06%
GLD	Gold	-1.02%	-0.87%	0.95%
SLV	Silver	-1.75%	-2.88%	-5.95%
PPLT	abrdn Physical Platin..	-0.58%	5.64%	4.95%
PALL	abrdn Physical Palla..	-4.32%	-12.76%	3.58%
DBB	Base Metals	-1.95%	-0.30%	3.95%
CPER	Copper	-2.03%	4.32%	-0.55%
LD	Lead	-3.97%	-8.19%	-9.06%
JJN	Nickel	-4.02%	-6.76%	38.38%
JJU	Aluminum	-0.44%	-4.39%	-0.30%
JJT	Tin	-0.82%	-12.47%	-8.22%
DBA	Agriculture	-0.95%	0.00%	10.73%
CORN	Corn	-0.04%	-5.91%	27.95%
SOYB	Soybeans	-0.53%	1.65%	24.75%
WEAT	Wheat	-0.56%	1.81%	44.52%
CANE	Sugar	0.51%	4.14%	6.74%
BAL	Cotton	0.88%	-5.71%	29.14%
NIB	Cocoa	-0.51%	-3.87%	-5.23%
JO	Coffee	-2.92%	6.09%	3.43%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.44%	-1.30%	6.52%
UDN	Short Dollar	-0.37%	1.29%	-6.67%
FXE	Euro	-0.24%	1.76%	-6.17%
FXB	British Pound Sterling	-0.59%	0.02%	-7.69%
FXF	Swiss Franc	-0.50%	1.55%	-5.74%
FXJ	Japanese Yen	-0.83%	-0.62%	-12.23%
FXC	Canadian Dollar	-0.10%	1.86%	0.21%
FXA	Australian Dollar	-0.78%	1.50%	-0.96%

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