

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

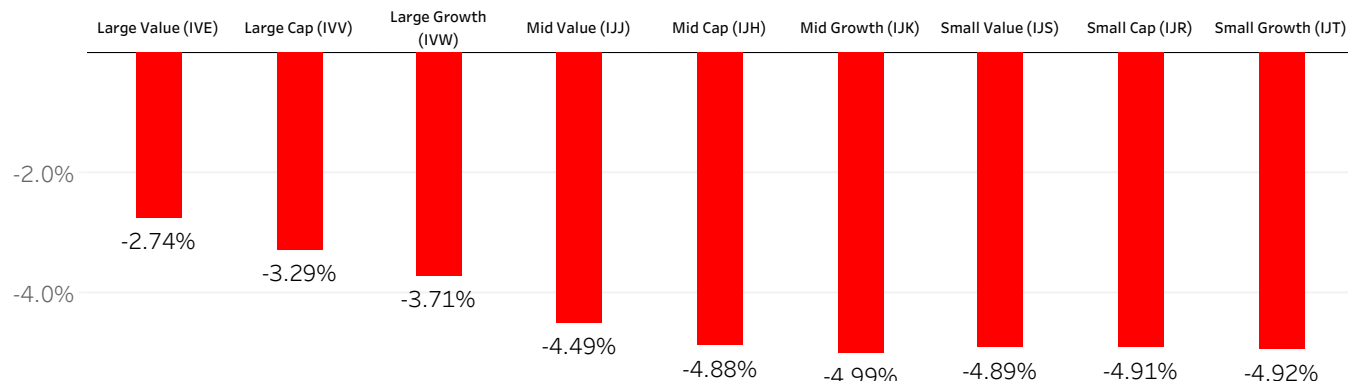


Small Cap Blend (S&P 600) IJR



■ 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
RPHS	Regents Park Hedged Market Strategy ETF	0.28%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.03%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.03%
TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	-0.81%
LGH	HCM Defender 500 Index ETF	-0.97%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-1.24%
ACSI	American Customer Satisfaction ETF	-1.28%
ALTL	Pacer Lunt Large Cap Alternator ETF	-1.47%
SPLV	Invesco S&P 500 Low Volatility ETF	-1.49%

Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	44.86
PTMC	Pacer Trendpilot US Mid Cap ETF	42.65
SPC	CrossingBridge Pre-Merger SPAC ETF	39.16
RPHS	Regents Park Hedged Market Strategy ETF	38.54
IPO	Renaissance IPO ETF	38.05
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	37.18
BUZZ	VanEck Social Sentiment ETF	34.92
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	34.13
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	34.08
QQEW	First Trust Nasdaq-100 Equal Weighted Index Fund	34.08

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
QVML	Invesco S&P 500 QVM Multi-factor ETF	-10.74%
CALF	Pacer US Small Cap Cash Cows 100 ETF	-6.37%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	-6.04%
SPHB	Invesco S&P 500 High Beta ETF	-5.94%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-5.84%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-5.80%
FFTY	Innovator IBD 50 ETF	-5.80%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-5.78%
XMVM	Invesco S&P MidCap Value with Momentum ETF	-5.73%
QVAL	Alpha Architect U.S. Quantitative Value ETF	-5.71%

Size & Style Most Oversold

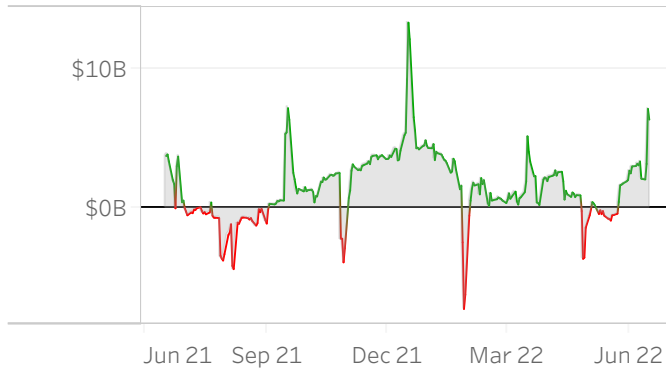
Ticker	Fund	Value
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	16.45
QVML	Invesco S&P 500 QVM Multi-factor ETF	17.65
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	17.85
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	21.26
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	22.37
DIV	Global X SuperDividend US ETF	22.88
RDIV	Invesco S&P Ultra Dividend Revenue ETF	23.82
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd..	23.96
CDL	VictoryShares US Large Cap High Dividend Volatility ..	24.00
TPHD	Timothy Plan High Dividend Stock ETF	24.03

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

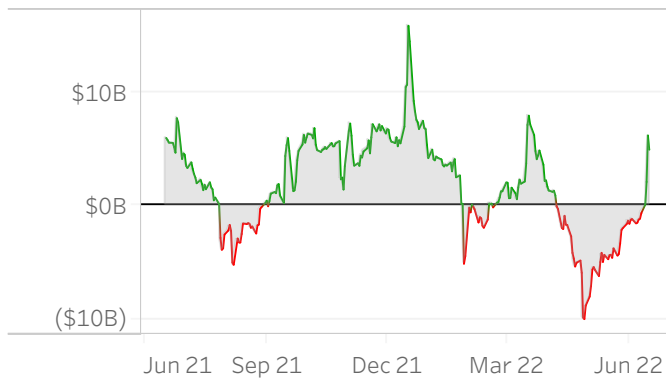
Large-Cap 30-Day Rolling Flows



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	25	\$1,141B	\$3.13B	\$11.14B	\$37.03B	\$139.11B
Large Cap, Beta Growth, Beta: Growth	10	\$205B	\$0.26B	\$5.51B	(\$0.15B)	\$15.43B
Large Cap, Beta Growth, Beta: Value	11	\$208B	\$1.81B	\$4.03B	\$14.00B	\$26.39B
Mid Cap, Beta, Beta	10	\$166B	\$2.55B	\$3.46B	\$4.24B	\$12.68B
Mid Cap, Beta, Beta: Growth	6	\$30B	\$0.43B	\$0.04B	(\$1.63B)	\$0.44B
Mid Cap, Beta, Beta: Value	6	\$38B	\$1.07B	\$0.10B	(\$1.11B)	\$0.45B
Small Cap, Beta, Beta	13	\$182B	\$3.68B	(\$5.32B)	(\$2.60B)	\$9.55B
Small Cap, Beta, Beta: Growth	7	\$29B	\$0.46B	\$0.31B	(\$0.49B)	\$1.84B
Small Cap, Beta, Beta: Value	7	\$50B	\$1.36B	(\$1.93B)	(\$3.50B)	(\$1.83B)

U.S. Size & Style Flow Leaders

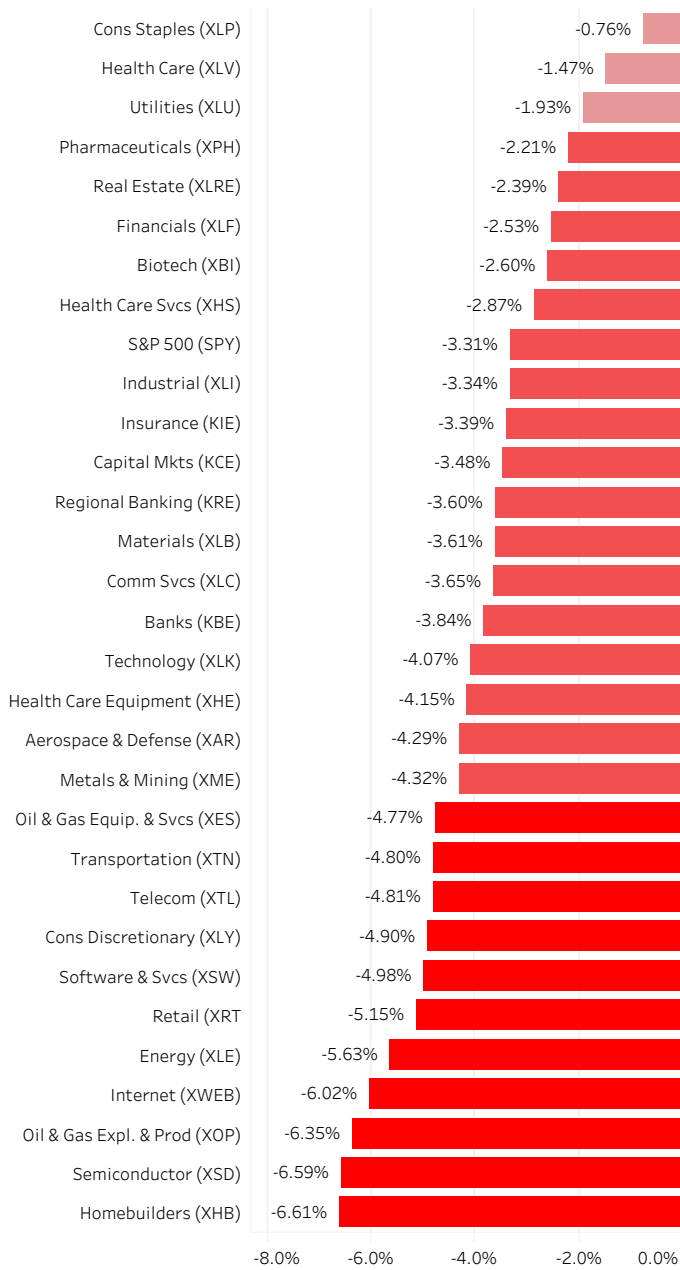
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$3.99B	\$1.57B	(\$1.79B)	\$24.27B	\$344.98B
VTI	Vanguard Total Stock Market ETF	\$3.41B	\$2.99B	\$14.17B	\$38.40B	\$247.76B
VO	Vanguard Mid-Cap ETF	\$2.51B	\$1.73B	\$2.65B	\$7.21B	\$49.37B
VB	Vanguard Small-Cap ETF	\$2.07B	(\$0.46B)	\$0.57B	\$3.75B	\$41.72B
IWM	iShares Russell 2000 ETF	\$1.74B	(\$1.54B)	(\$1.47B)	\$0.57B	\$52.48B
VTV	Vanguard Value ETF	\$1.64B	\$4.11B	\$14.01B	\$17.95B	\$96.03B
VBR	Vanguard Small Cap Value ETF	\$1.30B	(\$0.85B)	\$0.07B	\$1.73B	\$23.76B
VOE	Vanguard Mid-Cap Value ETF	\$1.10B	\$1.19B	\$2.15B	\$2.77B	\$16.26B
MOAT	VanEck Morningstar Wide Moat ETF	\$1.06B	\$0.03B	\$0.68B	\$1.48B	\$7.34B
VOO	Vanguard S&P 500 ETF	\$0.93B	\$1.45B	\$27.40B	\$46.28B	\$245.42B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$1.32B)	\$1.95B	\$16.18B	\$32.82B	\$280.75B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.32B)	\$0.55B	\$1.49B	\$3.73B	\$12.57B
QQQ	Invesco QQQ Trust	(\$0.28B)	\$4.76B	\$3.24B	\$21.62B	\$154.30B
VONV	Vanguard Russell 1000 Value ETF	(\$0.20B)	(\$0.72B)	(\$0.52B)	\$0.57B	\$5.86B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.17B)	\$0.15B	(\$0.39B)	\$1.25B	\$19.17B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.17B)	\$1.32B	\$1.95B	\$1.69B	\$9.33B
IJR	iShares Core S&P Small Cap ETF	(\$0.16B)	(\$1.75B)	(\$1.31B)	\$1.90B	\$60.48B
IWB	iShares Russell 1000 ETF	(\$0.11B)	\$0.42B	\$0.74B	\$0.34B	\$25.84B
IVW	iShares S&P 500 Growth ETF	(\$0.10B)	(\$0.32B)	(\$4.33B)	(\$0.28B)	\$27.93B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.10B)	(\$0.08B)	(\$2.33B)	(\$1.23B)	\$6.84B

* 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	-14.26%	0.41%	-8.64%	-6.89%	28.87
XLU	Utilities Select Sector SPDR Fund	-14.92%	3.56%	-10.27%	-5.84%	24.58
XLE	Energy Select Sector SPDR Fund	-15.76%	69.78%	-5.18%	16.12%	34.19
XLV	Health Care Select Sector SPDR Fund	-16.01%	0.00%	-8.69%	-9.37%	29.80
XLB	Materials Select Sector SPDR Fund	-17.17%	0.00%	-11.68%	-12.11%	27.44
XLI	Industrial Select Sector SPDR Fund	-19.92%	0.00%	-9.73%	-14.74%	30.38
SPY	SPDR S&P 500 ETF Trust	-23.25%	0.00%	-10.95%	-16.93%	30.67
XLRE	Real Estate Select Sector SPDR Fund	-25.01%	0.00%	-13.50%	-17.02%	29.84
XLF	Financial Select Sector SPDR Fund	-25.54%	0.00%	-11.46%	-18.78%	28.77
XLK	Technology Select Sector SPDR Fund	-30.09%	0.00%	-11.54%	-20.39%	33.85
XLY	Consumer Discretionary Select Sector SPDR Fund	-36.32%	0.00%	-14.95%	-26.18%	33.58
XLC	Communication Services Select Sector SPDR Fund	-38.31%	0.00%	-12.04%	-25.91%	32.29

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLP	Consumer Staples Select Sector SPDR Fund	-0.76%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER ST..	-0.81%
IYK	iShares U.S. Consumer Staples ETF	-0.84%
VDC	Vanguard Consumer Staples ETF	-0.92%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ..	-1.09%
REZ	iShares Residential and Multisector Real Estate E..	-1.17%
FTXG	First Trust Nasdaq Food & Beverage ETF	-1.45%
XLV	Health Care Select Sector SPDR Fund	-1.47%
IYH	iShares U.S. Healthcare ETF	-1.55%
FHLC	Fidelity MSCI Health Care Index ETF	-1.58%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	39.70
PXE	Invesco Dynamic Energy Exploration & Production ETF	38.99
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	38.44
PBE	Invesco Dynamic Biotechnology & Genome ETF	37.63
PXI	Invesco DWA Energy Momentum ETF	37.54
FCG	First Trust Natural Gas ETF	36.98
PSCE	Invesco S&P SmallCap Energy ETF	36.76
JPRE	JPMorgan Realty Income ETF	36.71
FBT	First Trust NYSE Arca Biotechnology Index Fund	36.36
XPH	SPDR S&P Pharmaceuticals ETF	36.36

Sector & Industry 1 Day Performance Laggards

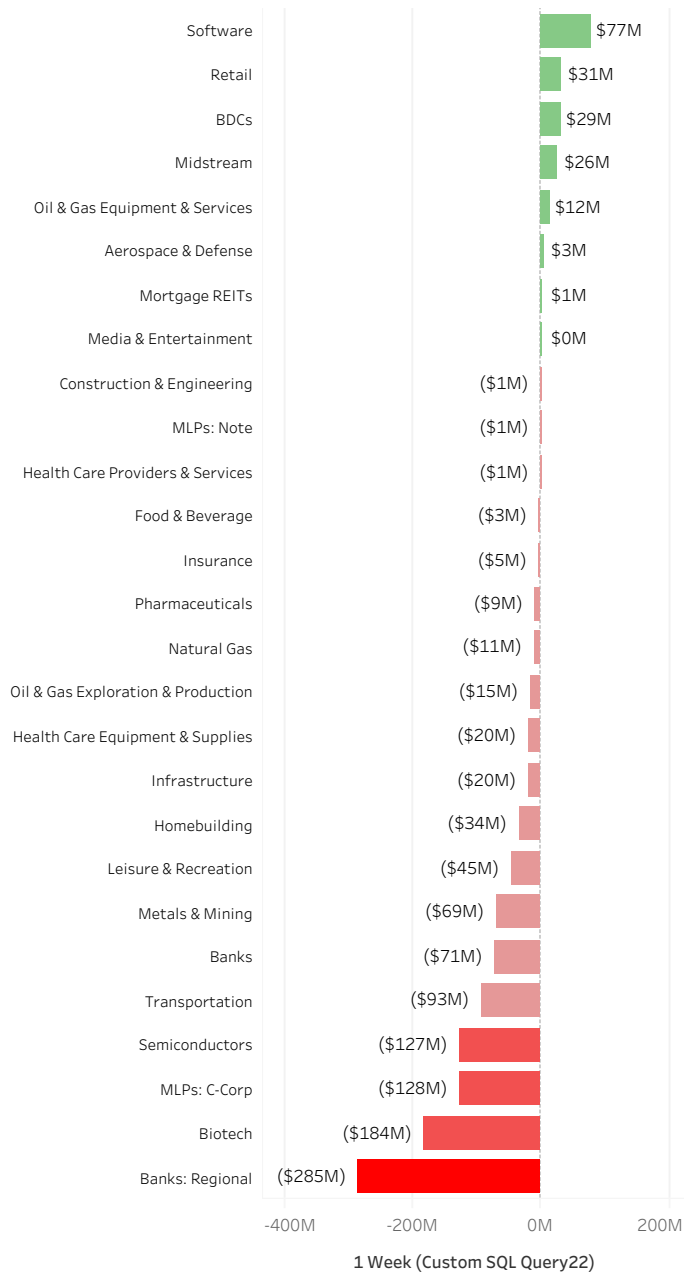
Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	-7.02%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-6.99%
PSI	Invesco Dynamic Semiconductors ETF	-6.64%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-6.64%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-6.63%
XHB	SPDR S&P Homebuilders ETF	-6.61%
XSD	SPDR S&P Semiconductor ETF	-6.59%
FTXN	First Trust Nasdaq Oil & Gas ETF	-6.51%
PSCE	Invesco S&P SmallCap Energy ETF	-6.45%
PKB	Invesco Dynamic Building & Construction ETF	-6.40%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
REM	iShares Mortgage Real Estate ETF	16.70
MORT	VanEck Mortgage REIT Income ETF	16.94
KBWD	Invesco KBW High Dividend Yield Financial ETF	19.07
FXU	First Trust Utilities AlphaDEX Fund	22.65
RYU	Invesco S&P 500 Equal Weight Utilities ETF	22.93
IDU	iShares U.S. Utilities ETF	23.86
PUI	Invesco DWA Utilities Momentum ETF	24.30
XLU	Utilities Select Sector SPDR Fund	24.58
FUTY	Fidelity MSCI Utilities Index ETF	24.83
VPU	Vanguard Utilities ETF	24.83

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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	\$13B	(\$69M)	(\$691M)	(\$1,692M)	(\$294M)
Consumer Discretionary	13	\$22B	\$138M	(\$1,881M)	(\$6,539M)	(\$3,702M)
Consumer Staples	12	\$25B	\$39M	\$2,190M	\$5,467M	\$5,914M
Energy	34	\$81B	(\$534M)	(\$1,566M)	\$4,289M	\$3,261M
Financials	28	\$57B	(\$612M)	(\$13,075M)	(\$9,763M)	(\$12,961M)
Health Care	26	\$83B	\$87M	\$5,000M	\$8,184M	\$15,116M
Industrial	14	\$28B	\$59M	(\$2,142M)	(\$1,943M)	(\$6,130M)
Materials	10	\$17B	(\$147M)	(\$92M)	\$2,003M	(\$1,477M)
Multi-Sector	19	\$15B	(\$157M)	(\$1,221M)	(\$4,686M)	(\$3,290M)
Real Estate	24	\$65B	(\$555M)	(\$1,794M)	(\$1,891M)	\$3,428M
Technology	24	\$114B	(\$335M)	\$1,040M	(\$3,141M)	\$6,425M
Utilities	10	\$24B	\$10M	\$3,196M	\$4,410M	\$5,572M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$342M	\$1,009M	(\$457M)	\$2,734M	\$38,781M
VHT	Vanguard Health Care ETF	\$303M	(\$76M)	\$309M	\$1,535M	\$14,921M
XLI	Industrial Select Sector SPDR Fund	\$284M	(\$1,101M)	(\$1,815M)	(\$4,629M)	\$13,353M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$109M	\$139M	(\$3,325M)	(\$720M)	\$15,041M
XLU	Utilities Select Sector SPDR Fund	\$102M	\$2,299M	\$2,984M	\$3,776M	\$15,163M
IGV	iShares Expanded Tech-Software Sector ETF	\$82M	\$326M	\$206M	\$1,005M	\$4,292M
IYM	iShares U.S. Basic Materials ETF	\$79M	\$331M	\$454M	\$224M	\$1,104M
XLF	Financial Select Sector SPDR Fund	\$79M	(\$7,500M)	(\$5,112M)	(\$7,480M)	\$30,560M
XLP	Consumer Staples Select Sector SPDR Fund	\$54M	\$348M	\$2,771M	\$2,916M	\$14,575M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	\$41M	(\$32M)	(\$50M)	(\$497M)	\$314M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$447M)	(\$502M)	\$1,037M	\$112M	\$40,055M
RYT	Invesco S&P 500 Equal Weight Technology ETF	(\$322M)	(\$147M)	(\$403M)	(\$406M)	\$1,956M
VNQ	Vanguard Real Estate ETF	(\$312M)	(\$726M)	(\$276M)	\$2,182M	\$38,088M
KRE	SPDR S&P Regional Banking ETF	(\$275M)	(\$1,979M)	(\$964M)	(\$2,282M)	\$3,053M
VGT	Vanguard Information Technology ETF	(\$232M)	\$1,236M	\$5M	\$2,372M	\$40,558M
VFH	Vanguard Financials ETF	(\$143M)	(\$1,440M)	(\$998M)	(\$638M)	\$8,485M
AMPLP	Alerian MLP ETF	(\$124M)	\$149M	\$641M	\$529M	\$6,287M
IYG	iShares US Financial Services ETF	(\$118M)	(\$589M)	(\$701M)	(\$519M)	\$1,411M
XBI	SPDR S&P BIOTECH ETF	(\$115M)	\$627M	\$2,635M	\$3,297M	\$5,667M
SOXX	iShares Semiconductor ETF	(\$112M)	(\$241M)	(\$46M)	\$1,620M	\$6,800M

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Communication Services



Consumer Discretionary



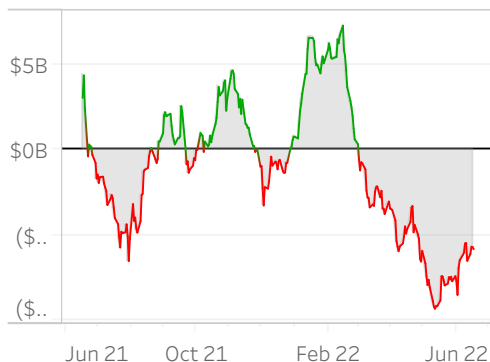
Consumer Staples



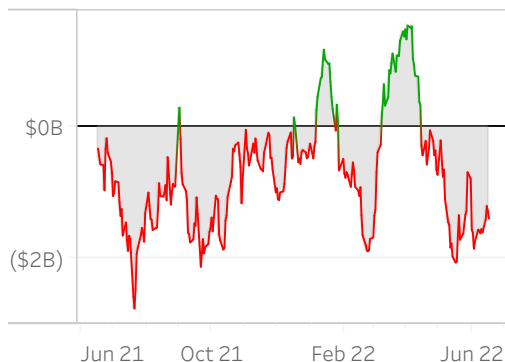
Energy



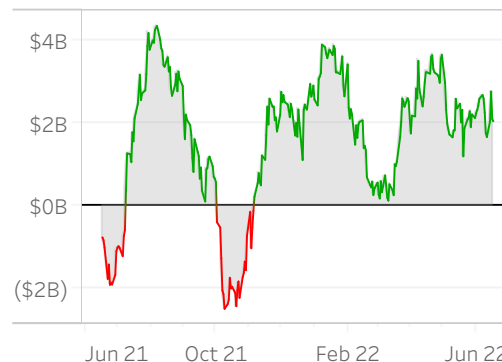
Financials



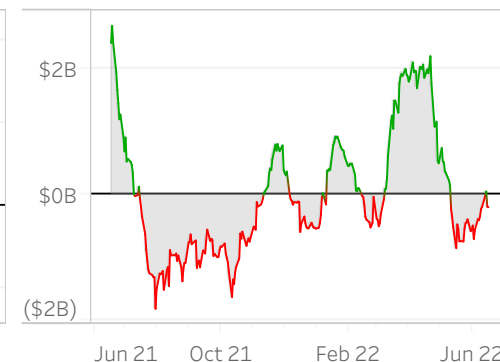
Industrial



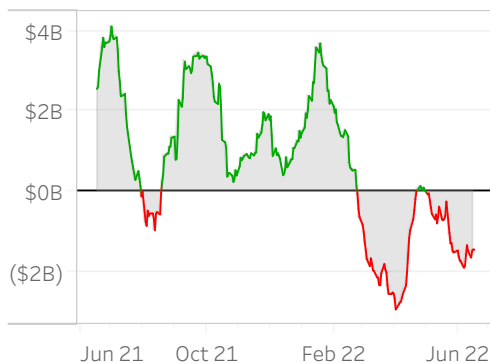
Health Care



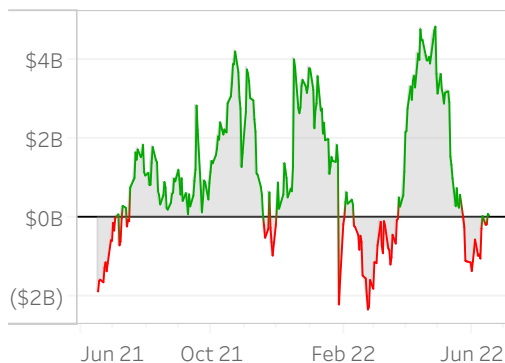
Materials



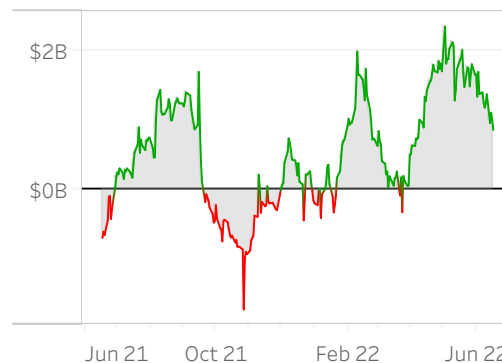
Real Estate



Technology



Utilities

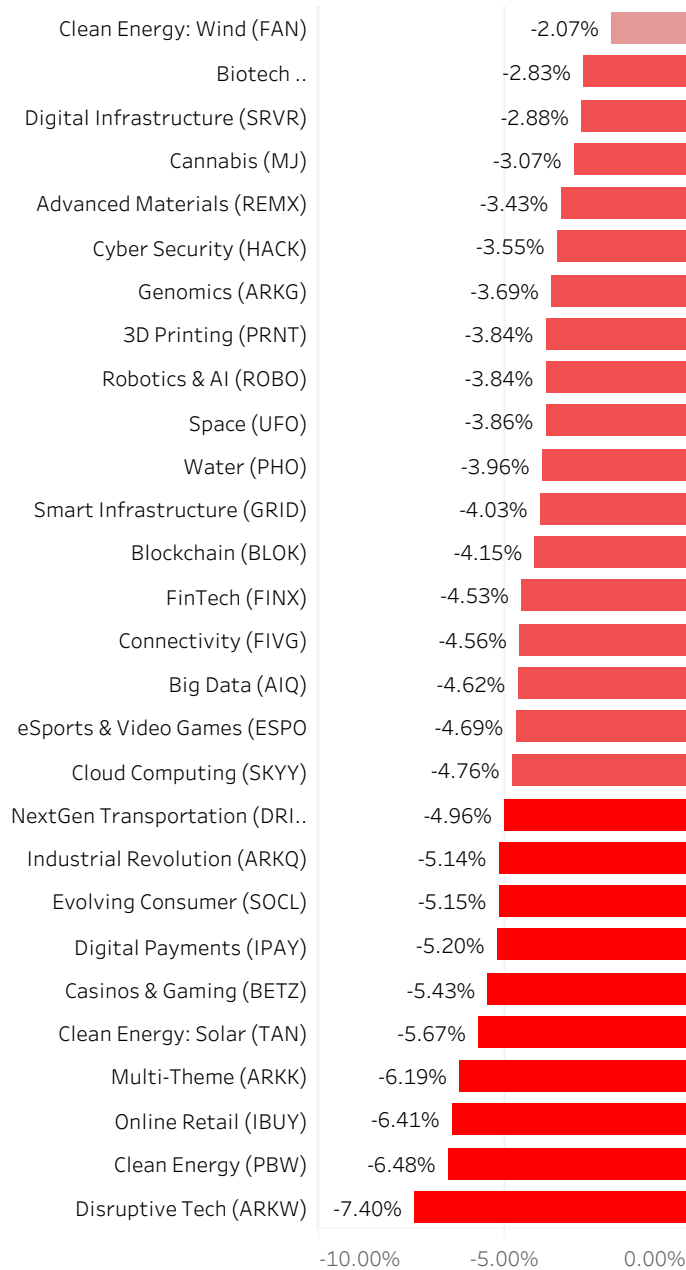


Multi-Sector

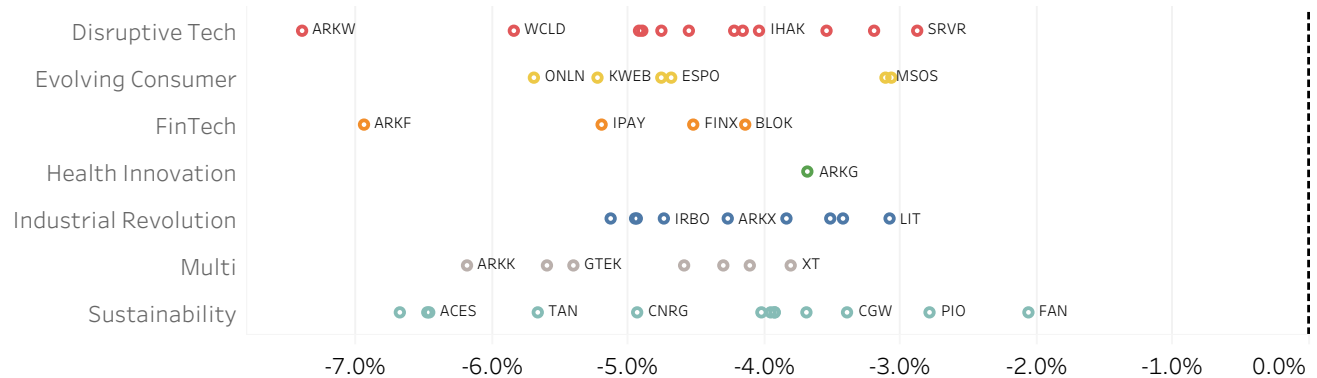


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.56%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-1.06%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	-1.48%
PAWZ	ProShares Pet Care ETF	-1.79%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.95%
FAN	First Trust Global Wind Energy ETF	-2.07%
GNOM	Global X Genomics & Biotechnology ETF	-2.79%
PIO	Invesco Global Water ETF	-2.79%
SBIO	ALPS Medical Breakthroughs ETF	-2.83%
KLDW	Knowledge Leaders Developed World ETF	-2.86%

Thematic Most Overbought

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	55.19
KSTR	KraneShares SSE STAR Market 50 Index ETF	55.14
KWEB	KraneShares CSI China Internet ETF	52.82
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	48.45
LIT	Global X Lithium & Battery Tech ETF	44.32
TAN	Invesco Solar ETF	42.29
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	42.21
BATT	Amplify Lithium & Battery Technology ETF	41.37
ONLN	ProShares Online Retail ETF	40.64
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	39.41

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ARKW	ARK Next Generation Internet ETF	-7.40%
ARKF	ARK Fintech Innovation ETF	-6.95%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-6.68%
BKCH	Global X Blockchain ETF	-6.58%
PBW	Invesco WilderHill Clean Energy ETF	-6.48%
ACES	ALPS Clean Energy ETF	-6.47%
IBUY	Amplify Online Retail ETF	-6.41%
ARKK	ARK Innovation ETF	-6.19%
EBIZ	Global X E-Commerce ETF	-6.02%
WCLD	WisdomTree Cloud Computing Fund	-5.85%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	22.95
BKCH	Global X Blockchain ETF	25.99
POTX	Global X Cannabis ETF	26.41
CGW	Invesco S&P Global Water Index ETF	26.59
BLOK	Amplify Transformational Data Sharing ETF	27.16
FIW	First Trust Water ETF	27.31
BITQ	Bitwise Crypto Industry Innovators ETF	28.26
PHO	Invesco Water Resources ETF	28.31
MJ	ETFMG Alternative Harvest ETF	28.37
EVX	VanEck Environmental Services ETF	28.45

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$280M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$176M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$34M
PBW	Invesco WilderHill Clean Energy ETF	\$31M
ARKG	ARK Genomic Revolution ETF	\$20M
TARK	AXS 2X Innovation ETF	\$11M
ACES	ALPS Clean Energy ETF	\$8M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$6M
MSOS	AdvisorShares Pure US Cannabis ETF	\$6M
ARKF	ARK Fintech Innovation ETF	\$6M

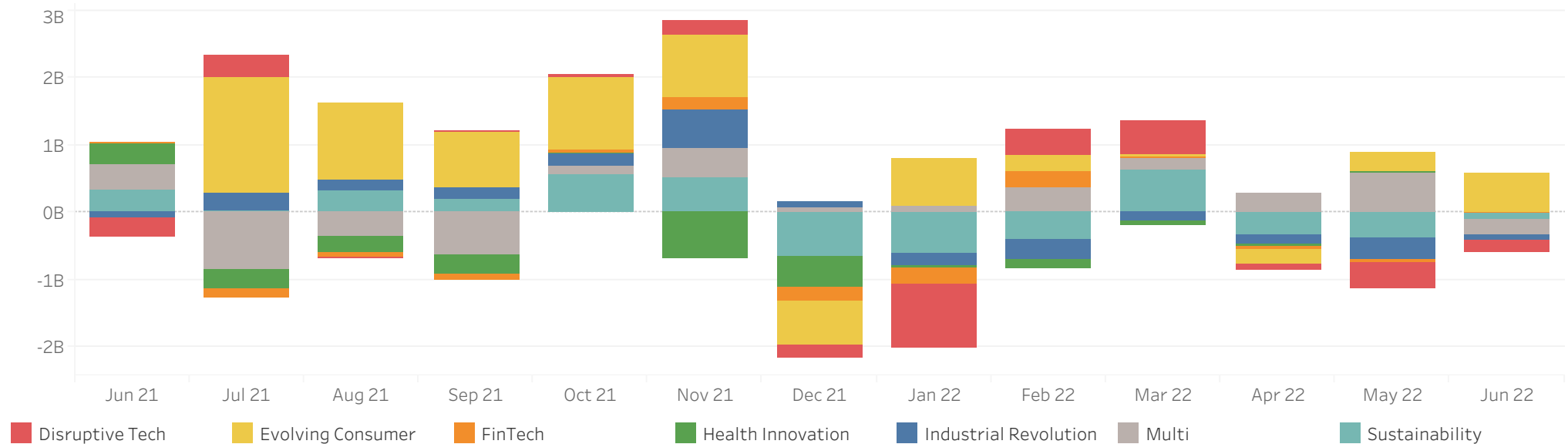
Thematic 1 Week Flow Laggards

Ticker	Fund	
TAN	Invesco Solar ETF	(\$38M)
SKYY	First Trust Cloud Computing ETF	(\$35M)
ARKW	ARK Next Generation Internet ETF	(\$24M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$20M)
LIT	Global X Lithium & Battery Tech ETF	(\$19M)
ICLN	iShares Global Clean Energy ETF	(\$14M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$14M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$11M)
BUG	Global X Cybersecurity ETF	(\$10M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$8M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	\$79M	(\$1,104M)	(\$1,229M)	(\$592M)
Evolving Consumer	48	\$12B	\$82M	\$1,363M	\$1,000M	\$6,666M
FinTech	24	\$3B	(\$7M)	(\$38M)	(\$284M)	(\$309M)
Health Innovation	19	\$3B	(\$2M)	\$56M	(\$570M)	(\$1,864M)
Industrial Revolution	32	\$12B	(\$58M)	(\$585M)	(\$1,295M)	\$172M
Multi	42	\$14B	(\$29M)	\$56M	\$844M	\$462M
Sustainability	41	\$17B	(\$50M)	(\$853M)	(\$1,547M)	\$105M
Grand Total	241	\$79B	\$14M	(\$1,104M)	(\$3,081M)	\$4,640M

Thematic Monthly Flows

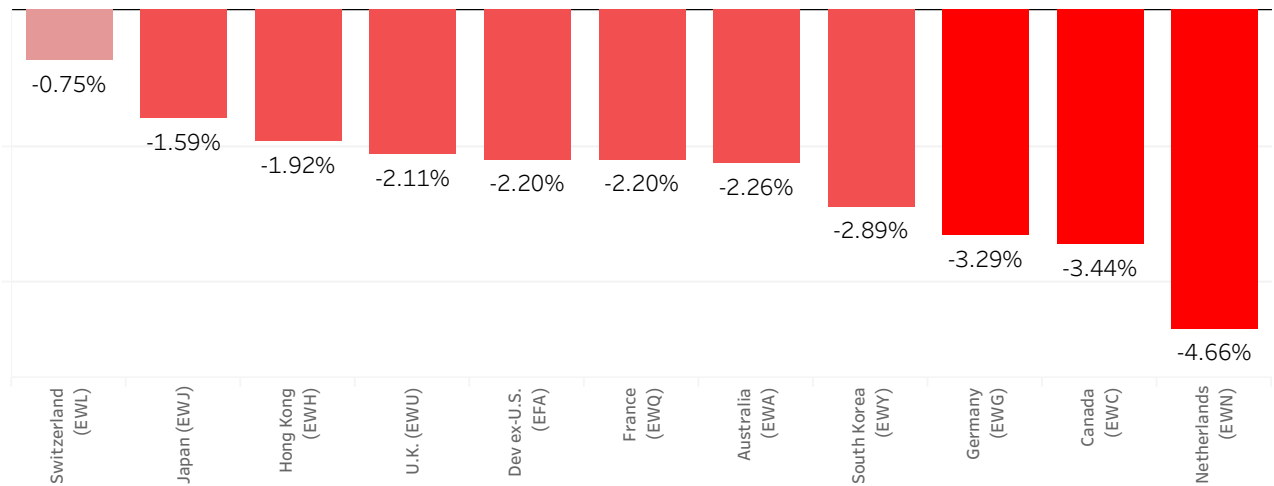


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



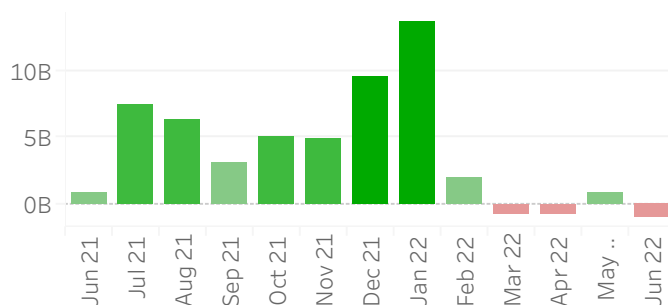
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	0.09%
PTIN	Pacer Trendpilot International ETF	0.07%
EWP	iShares MSCI Spain ETF	-0.43%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.55%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.67%
CIL	VictoryShares International Volatility Wtd ETF	-0.73%
EWL	iShares MSCI Switzerland ETF	-0.75%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.77%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatility I..	-0.78%
EWJV	iShares MSCI Japan Value ETF	-0.87%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
AIA	iShares Asia 50 ETF	43.10
PTIN	Pacer Trendpilot International ETF	41.42
AAXJ	iShares MSCI All Country Asia ex Japan ETF	40.97
DXJ	WisdomTree Japan Hedged Equity Fund	38.01
DFJ	WisdomTree Japan SmallCap Dividend Fund	37.06
EWH	iShares MSCI Hong Kong ETF	36.35
FSZ	First Trust Switzerland AlphaDEX Fund	35.70
FKU	First Trust United Kingdom AlphaDEX Fund	35.51
EWJV	iShares MSCI Japan Value ETF	34.99
FLGB	Franklin FTSE United Kingdom ETF	34.84

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWN	iShares MSCI Netherlands ETF	-4.66%
ISRA	VanEck Israel ETF	-4.36%
HEDJ	WisdomTree Europe Hedged Equity Fund	-4.22%
EWO	iShares MSCI Austria ETF	-4.13%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-3.97%
NORW	Global X MSCI Norway ETF	-3.89%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	-3.83%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-3.72%
EWD	iShares MSCI Sweden ETF	-3.61%
GREK	Global X MSCI Greece ETF	-3.60%

Developed ex-U.S. Most Oversold

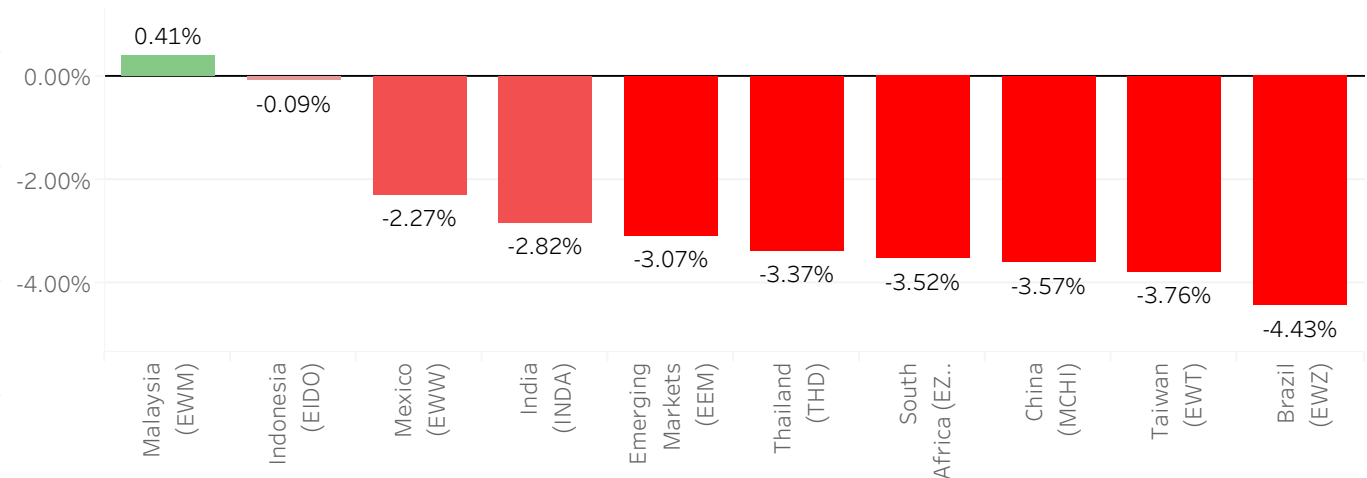
Ticker	Fund	Value
WPS	iShares International Developed Property ETF	23.93
EWL	iShares MSCI Switzerland ETF	26.64
ENZL	iShares MSCI New Zealand ETF	26.65
EWA	iShares MSCI Australia ETF	27.38
FLKR	Franklin FTSE South Korea ETF	27.63
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	28.00
EFAV	iShares MSCI EAFE Min Vol Factor ETF	28.17
TOK	iShares MSCI Kokusai ETF	28.26
EWY	iShares MSCI South Korea ETF	28.34
QLVD	FlexShares Developed Markets ex-US Quality Low V..	28.60

*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)



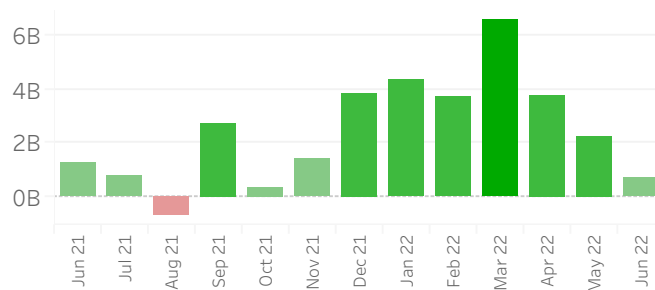
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWM	iShares MSCI Malaysia ETF	0.41%
EIDO	iShares MSCI Indonesia ETF	-0.09%
IDX	VanEck Indonesia Index ETF	-0.25%
EPHE	iShares MSCI Philippines ETF	-0.68%
EPU	iShares MSCI Peru ETF	-0.98%
AFK	VanEck Africa Index ETF	-1.56%
ECNS	iShares MSCI China Small-Cap ETF	-1.58%
RAYC	Rayliant Quantamental China Equity ETF	-1.59%
TUR	iShares MSCI Turkey ETF	-1.60%
CNYA	iShares MSCI China A ETF	-1.70%

Emerging Most Overbought

Ticker	Fund	Price
RAYC	Rayliant Quantamental China Equity ETF	59.71
CNYA	iShares MSCI China A ETF	58.42
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	57.41
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	57.12
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	53.76
PGJ	Invesco Golden Dragon China ETF	53.21
FLCH	Franklin FTSE China ETF	52.17
GXC	SPDR S&P China ETF	51.78
MCHI	iShares MSCI China ETF	50.94
FXI	iShares China Large-Cap ETF	50.30

Emerging 1-Day Performance Laggards

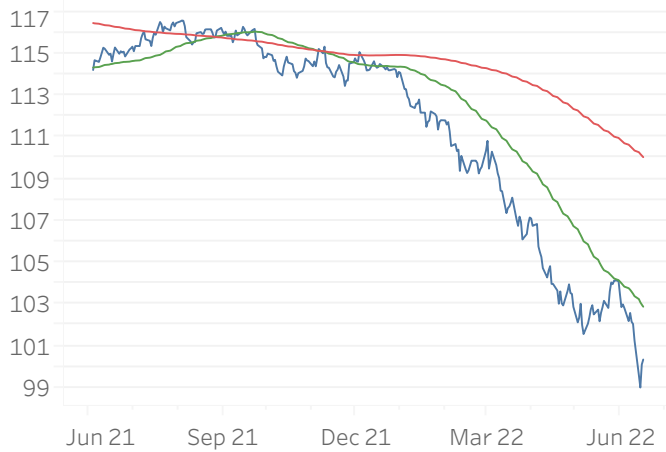
Ticker	Fund	1-Day Performance
EWZ	iShares MSCI Brazil ETF	-4.43%
FLBR	Franklin FTSE Brazil ETF	-4.42%
PGJ	Invesco Golden Dragon China ETF	-4.27%
EWZS	iShares MSCI Brazil Small-Cap ETF	-4.17%
FNI	First Trust Chindia ETF	-4.08%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	-4.01%
EPOL	iShares MSCI Poland ETF	-3.96%
PIE	Invesco DWA Emerging Markets Momentum ETF	-3.88%
FXI	iShares China Large-Cap ETF	-3.86%
ILF	iShares Latin America 40 ETF	-3.81%

Emerging Most Oversold

Ticker	Fund	Price
FM	iShares MSCI Frontier and Select EM ETF	24.28
EPHE	iShares MSCI Philippines ETF	24.72
DVYE	iShares Emerging Markets Dividend ETF	25.54
EWM	iShares MSCI Malaysia ETF	25.70
THD	iShares MSCI Thailand ETF	26.11
AFK	VanEck Africa Index ETF	26.56
ILF	iShares Latin America 40 ETF	27.26
EWZ	iShares MSCI Brazil ETF	27.33
QAT	iShares MSCI Qatar ETF	27.44
EWZ	iShares MSCI Mexico ETF	28.09

*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	0.24%	-2.15%	-11.33%
SHY	1-3 Year Treasury Bonds	0.13%	-0.87%	-3.45%
IEF	7-10 Year Treasury Bonds	0.65%	-2.66%	-12.42%
TLT	20+ Year Treasury Bonds	0.79%	-3.40%	-24.02%
TIP	TIPS Bonds	-0.30%	-2.31%	-8.43%
FLOT	Floating Rate Bonds	-0.18%	-1.28%	-1.65%
LQD	Investment Grade Corporate	0.11%	-2.08%	-16.70%
HYG	High Yield Corporate	-1.59%	-3.38%	-13.52%
BKLN	Senior Loan	-0.58%	-1.43%	-5.65%
PFF	Preferred & Income Securities	-2.44%	-3.47%	-17.32%
MUB	Municipal Bonds	-0.10%	0.10%	-8.88%
MBB	MBS	0.22%	-2.96%	-10.39%
EMB	Dollar Denominated EM Bonds	-2.22%	-3.42%	-20.14%
LEMB	Local Currency EM Bond	-0.44%	-0.15%	-12.88%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.20%	-0.71%	35.82%
DBE	Energy	0.24%	9.98%	72.31%
USO	WTI Crude Oil	0.84%	5.47%	61.26%
BNO	Brent Crude Oil	0.46%	6.29%	66.57%
UNG	Natural Gas	-0.71%	-7.77%	102.32%
UGA	Gasoline	0.93%	1.39%	77.49%
DBP	Precious Metals	1.14%	1.17%	-1.22%
GLD	Gold	1.12%	1.34%	1.01%
SLV	Silver	1.40%	1.56%	-5.90%
PPLT	abrdn Physical Platin..	1.00%	0.87%	-1.56%
PALL	abrdn Physical Palla..	1.14%	-7.27%	-0.96%
DBB	Base Metals	-1.61%	-3.73%	-3.82%
CPER	Copper	-1.62%	-2.47%	-8.71%
LD	Lead	0.84%	2.06%	-4.60%
JJN	Nickel	-2.20%	-6.09%	22.76%
JJU	Aluminum	-3.13%	-9.78%	-8.74%
JJT	Tin	2.58%	-4.80%	-16.09%
DBA	Agriculture	1.01%	-3.98%	11.04%
CORN	Corn	1.57%	-2.94%	35.10%
SOYB	Soybeans	1.24%	2.18%	25.93%
WEAT	Wheat	2.60%	-8.81%	49.80%
CANE	Sugar	0.43%	-4.47%	2.28%
BAL	Cotton	-1.26%	-11.15%	26.93%
NIB	Cocoa	2.68%	-5.56%	-9.66%
JO	Coffee	0.95%	2.20%	2.99%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.97%	-0.68%	7.96%
UDN	Short Dollar	0.98%	0.54%	-8.15%
FXE	Euro	1.00%	1.09%	-7.64%
FXB	British Pound Sterling	1.38%	0.29%	-8.73%
FXF	Swiss Franc	2.92%	3.65%	-6.11%
FXJ	Japanese Yen	1.28%	-2.21%	-12.97%
FXC	Canadian Dollar	-0.29%	-0.70%	-2.41%
FXA	Australian Dollar	0.71%	1.16%	-3.11%

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

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