

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

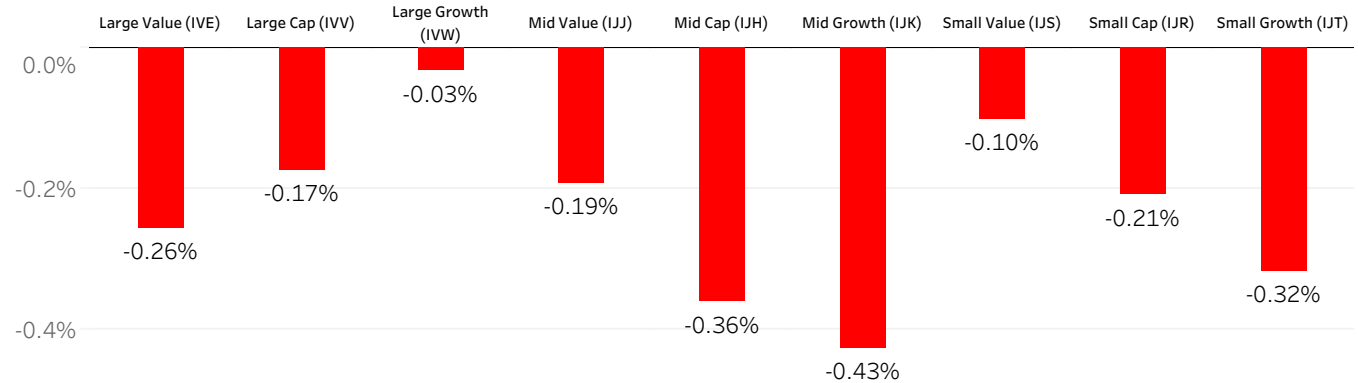


Small Cap Blend (S&P 600) IJR



■ 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
SIXA	ETC 6 Meridian Mega Cap Equity ETF	2.22%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	2.13%
SIXL	ETC 6 Meridian Low Beta Equity ETF	2.03%
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	1.66%
SIXS	ETC 6 Meridian Small Cap Equity ETF	1.02%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	0.90%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	0.75%
TMFS	Motley Fool Small-Cap Growth ETF	0.72%
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	0.69%
SMIG	AAM Bahl & Gaynor Small/Mid Cap Income Growth ETF	0.68%

Size & Style Most Overbought

Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	51.68
SPC	CrossingBridge Pre-Merger SPAC ETF	50.27
PTLC	Pacer Trendpilot US Large Cap ETF	47.63
IPO	Renaissance IPO ETF	47.31
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovation ETF	43.13
WINN	Harbor Long-Term Growers ETF	43.12
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	43.07
VFMV	Vanguard U.S. Minimum Volatility ETF	42.74
SCHG	Schwab U.S. Large-Cap Growth ETF	42.01
BUZZ	VanEck Social Sentiment ETF	41.92

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FFTY	Innovator IBD 50 ETF	-4.05%
DWAS	Invesco DWA SmallCap Momentum ETF	-2.73%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-2.33%
QVAL	Alpha Architect U.S. Quantitative Value ETF	-2.02%
EQRR	ProShares Equities for Rising Rates ETF	-2.00%
AVUV	Avantis U.S. Small Cap Value ETF	-1.81%
AVLV	Avantis U.S. Large Cap Value ETF	-1.39%
XSMO	Invesco S&P SmallCap Momentum ETF	-1.35%
COWZ	Pacer US Cash Cows 100 ETF	-1.34%
SYLD	Cambria Shareholder Yield ETF	-1.32%

Size & Style Most Oversold

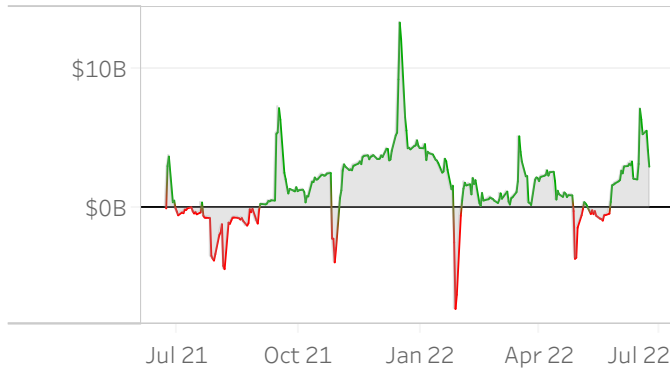
Ticker	Fund	Value
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	27.30
ONOF	Global X Adaptive U.S. Risk Management ETF	27.53
QVML	Invesco S&P 500 QVM Multi-factor ETF	28.95
TPHD	Timothy Plan High Dividend Stock ETF	28.98
ONEY	SPDR Russell 1000 Yield Focus ETF	29.19
LGH	HCM Defender 500 Index ETF	29.87
QVAL	Alpha Architect U.S. Quantitative Value ETF	30.19
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	30.31
SPVM	Invesco S&P 500 Value with Momentum ETF	30.45
RPV	Invesco S&P 500 Pure Value ETF	30.46

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

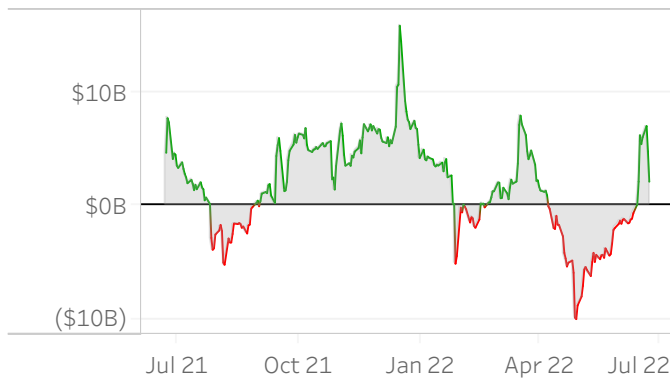
Large-Cap 30-Day Rolling Flows



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	\$1,131B	(\$0.47B)	\$4.80B	\$35.59B	\$133.92B
Large Cap, Beta Growth, Beta: Growth	10	\$204B	(\$0.08B)	\$5.13B	\$5.85B	\$17.52B
Large Cap, Beta Growth, Beta: Value	11	\$206B	(\$0.64B)	\$4.63B	\$18.10B	\$27.43B
Mid Cap, Beta, Beta	10	\$160B	(\$2.16B)	\$3.16B	\$5.51B	\$12.06B
Mid Cap, Beta, Beta: Growth	6	\$29B	(\$0.27B)	\$0.22B	(\$0.27B)	\$0.68B
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.87B)	(\$0.50B)	\$0.37B	\$0.09B
Small Cap, Beta, Beta	13	\$176B	(\$1.35B)	(\$4.86B)	(\$2.72B)	\$8.76B
Small Cap, Beta, Beta: Growth	7	\$28B	(\$0.32B)	\$0.30B	\$0.40B	\$1.89B
Small Cap, Beta, Beta: Value	7	\$48B	(\$0.96B)	(\$1.04B)	(\$1.55B)	(\$2.14B)

U.S. Size & Style Flow Leaders

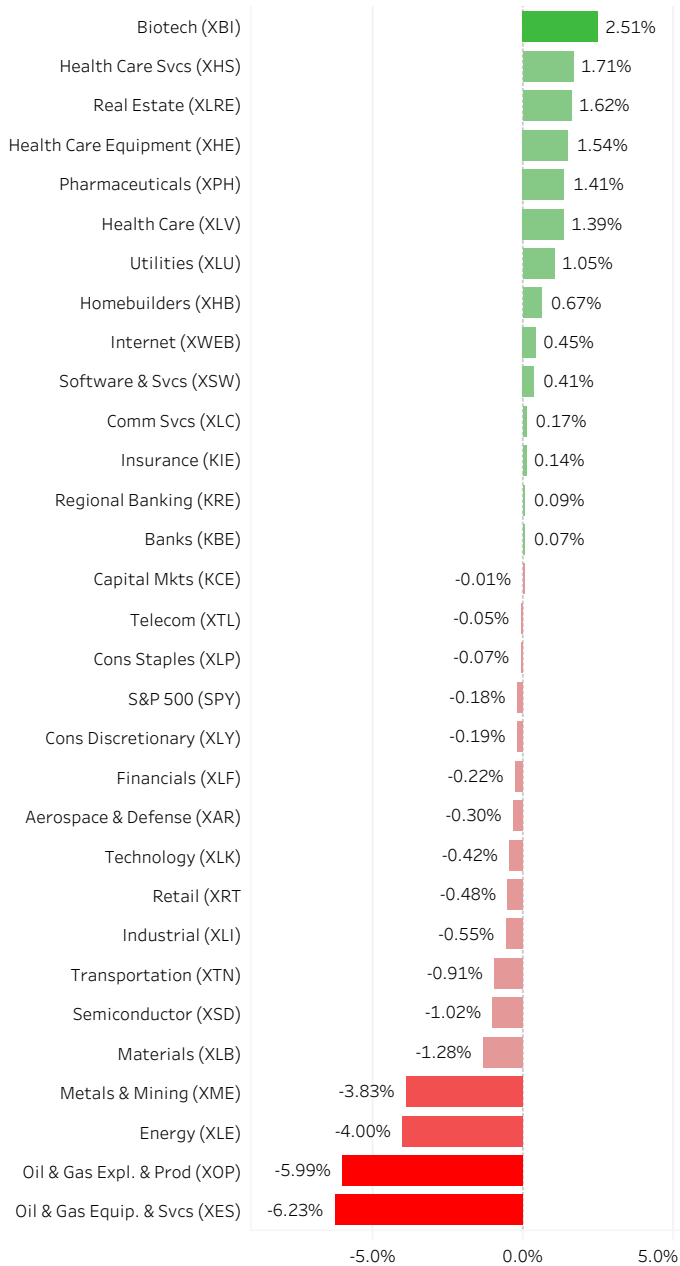
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$1.43B	\$2.23B	\$3.00B	\$6.07B	\$39.00B
SPY	SPDR S&P 500 ETF Trust	\$1.24B	(\$1.56B)	(\$14.08B)	\$21.98B	\$342.68B
SPYV	SPDR Portfolio S&P 500 Value ETF	\$0.55B	(\$0.41B)	\$1.62B	\$1.63B	\$12.73B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.25B	\$0.11B	\$2.18B	\$1.03B	\$27.39B
SCHB	Schwab U.S. Broad Market ETF	\$0.12B	\$0.33B	\$0.49B	\$1.26B	\$19.21B
SCHD	Schwab US Dividend Equity ETF	\$0.12B	\$3.33B	\$7.22B	\$10.46B	\$34.22B
IJR	iShares Core S&P Small Cap ETF	\$0.11B	(\$1.96B)	(\$0.65B)	\$1.97B	\$58.91B
COWZ	Pacer US Cash Cows 100 ETF	\$0.09B	\$3.23B	\$5.34B	\$5.85B	\$5.99B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.09B	\$0.76B	\$1.55B	\$2.31B	\$13.55B
VONE	Vanguard Russell 1000 ETF	\$0.08B	\$0.23B	\$0.29B	\$0.59B	\$2.61B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	(\$1.94B)	\$5.03B	\$13.38B	\$37.66B	\$243.78B
VO	Vanguard Mid-Cap ETF	(\$1.83B)	\$1.92B	\$2.70B	\$6.88B	\$46.71B
VB	Vanguard Small-Cap ETF	(\$1.49B)	(\$0.06B)	\$0.58B	\$3.54B	\$39.23B
VTV	Vanguard Value ETF	(\$1.11B)	\$3.53B	\$13.02B	\$17.82B	\$94.16B
MOAT	VanEck Morningstar Wide Moat ETF	(\$1.09B)	\$0.13B	\$0.33B	\$1.08B	\$6.18B
VBR	Vanguard Small Cap Value ETF	(\$0.95B)	(\$0.39B)	(\$0.30B)	\$1.20B	\$22.15B
VOE	Vanguard Mid-Cap Value ETF	(\$0.83B)	\$0.61B	\$1.62B	\$2.22B	\$15.11B
FNDX	Schwab Fundamental US Large Co. Index ETF	(\$0.77B)	\$0.13B	\$1.58B	\$2.69B	\$8.99B
IVV	iShares Core S&P 500 ETF	(\$0.76B)	\$2.21B	\$16.94B	\$31.83B	\$278.16B
QQQ	Invesco QQQ Trust	(\$0.67B)	\$2.14B	\$1.42B	\$20.16B	\$152.73B

* 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)
XLV	Health Care Select Sector SPDR Fund	-12.97%	3.68%	-4.31%	-5.93%	44.21
XLP	Consumer Staples Select Sector SPDR Fund	-13.01%	1.88%	-6.40%	-5.46%	37.55
XLU	Utilities Select Sector SPDR Fund	-13.89%	4.26%	-8.09%	-4.62%	32.39
XLB	Materials Select Sector SPDR Fund	-17.71%	0.00%	-11.13%	-12.50%	28.16
XLI	Industrial Select Sector SPDR Fund	-19.47%	0.82%	-8.18%	-13.99%	33.89
XLE	Energy Select Sector SPDR Fund	-20.48%	60.25%	-10.11%	8.78%	32.67
SPY	SPDR S&P 500 ETF Trust	-21.63%	2.33%	-7.78%	-14.88%	37.74
XLRE	Real Estate Select Sector SPDR Fund	-22.54%	3.29%	-9.08%	-14.00%	39.41
XLF	Financial Select Sector SPDR Fund	-24.41%	1.52%	-8.77%	-17.25%	34.13
XLK	Technology Select Sector SPDR Fund	-28.15%	2.78%	-7.82%	-17.85%	40.21
XLY	Consumer Discretionary Select Sector SPDR Fund	-34.06%	3.54%	-10.10%	-23.18%	40.62
XLC	Communication Services Select Sector SPDR Fund	-37.04%	2.07%	-8.59%	-23.73%	37.26

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	2.51%
XHS	SPDR S&P Health Care Services ETF	1.71%
PBE	Invesco Dynamic Biotechnology & Genome ETF	1.66%
XLRE	Real Estate Select Sector SPDR Fund	1.62%
ICF	iShares Cohen & Steers REIT ETF	1.58%
XHE	SPDR S&P Health Care Equipment ETF	1.54%
IHF	iShares U.S. Healthcare Providers ETF	1.50%
FBT	First Trust NYSE Arca Biotechnology Index Fund	1.49%
FHLC	Fidelity MSCI Health Care Index ETF	1.47%
VHT	Vanguard Health Care ETF	1.46%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	54.47
PBE	Invesco Dynamic Biotechnology & Genome ETF	51.55
IBB	iShares Biotechnology ETF	49.98
FBT	First Trust NYSE Arca Biotechnology Index Fund	48.92
XPH	SPDR S&P Pharmaceuticals ETF	48.26
IHE	iShares U.S. Pharmaceuticals ETF	47.66
PJP	Invesco Dynamic Pharmaceuticals ETF	47.06
VHT	Vanguard Health Care ETF	46.25
IYH	iShares U.S. Healthcare ETF	45.84
PSJ	Invesco Dynamic Software ETF	45.81

Sector & Industry 1 Day Performance Laggards

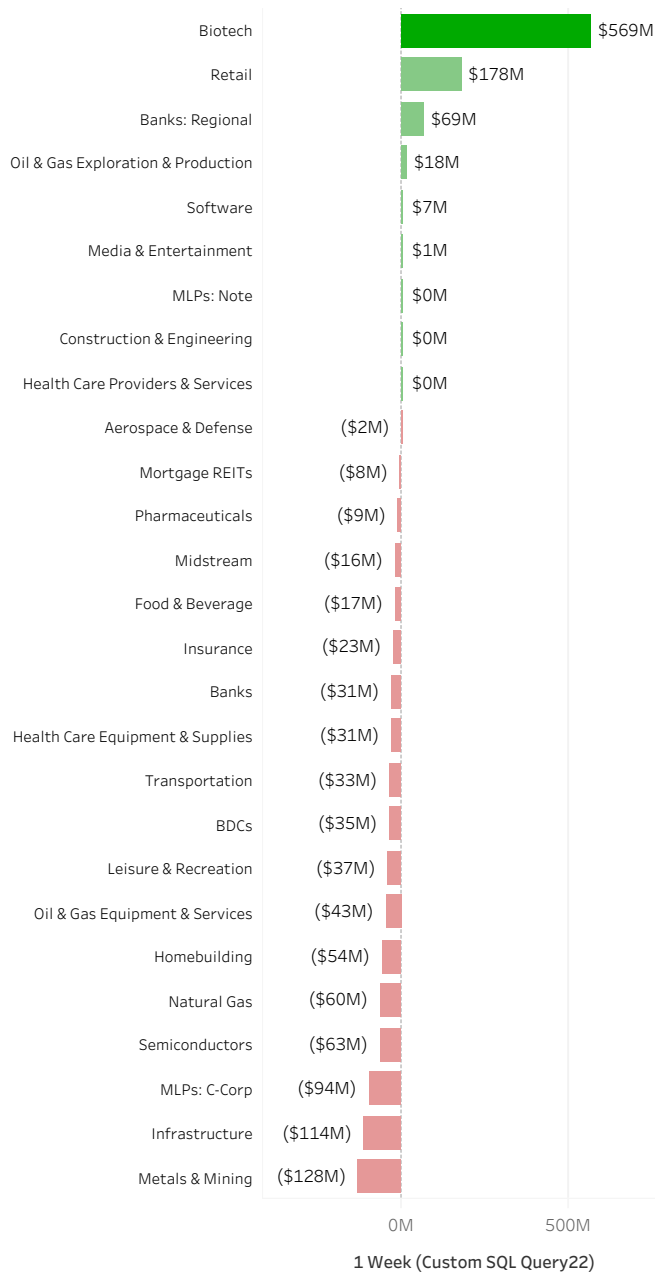
Ticker	Fund	1 Day Performance
PXI	Invesco DWA Energy Momentum ETF	-6.24%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-6.23%
FCG	First Trust Natural Gas ETF	-6.18%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-5.99%
PSCE	Invesco S&P SmallCap Energy ETF	-5.85%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-5.69%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-5.65%
FTXN	First Trust Nasdaq Oil & Gas ETF	-5.24%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-5.07%
AMZA	InfraCap MLP ETF	-4.93%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
FXZ	First Trust Materials AlphaDEX Fund	23.48
RTM	Invesco S&P 500 Equal Weight Materials ETF	27.45
IYM	iShares U.S. Basic Materials ETF	27.97
XLB	Materials Select Sector SPDR Fund	28.16
PYZ	Invesco DWA Basic Materials Momentum ETF	28.58
PUI	Invesco DWA Utilities Momentum ETF	28.88
FMAT	Fidelity MSCI Materials Index ETF	29.08
IFRA	iShares U.S. Infrastructure ETF	29.30
VAW	Vanguard Materials ETF	29.53
PKB	Invesco Dynamic Building & Construction ETF	29.62

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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	(\$7M)	(\$564M)	(\$1,171M)	\$117M
Consumer Discretionary	13	\$22B	(\$240M)	(\$2,066M)	(\$5,808M)	(\$3,934M)
Consumer Staples	12	\$26B	\$373M	\$2,445M	\$5,638M	\$6,206M
Energy	34	\$74B	(\$975M)	(\$2,581M)	\$2,867M	\$2,720M
Financials	28	\$56B	(\$513M)	(\$14,332M)	(\$9,992M)	(\$9,570M)
Health Care	26	\$84B	\$122M	\$3,695M	\$7,788M	\$14,920M
Industrial	14	\$27B	(\$234M)	(\$2,355M)	(\$2,020M)	(\$5,928M)
Materials	10	\$16B	(\$466M)	(\$530M)	\$1,438M	(\$1,351M)
Multi-Sector	19	\$14B	(\$160M)	(\$1,395M)	(\$4,786M)	(\$2,796M)
Real Estate	24	\$65B	(\$282M)	(\$2,266M)	(\$2,692M)	\$2,389M
Technology	24	\$112B	\$9M	\$681M	(\$1,616M)	\$5,937M
Utilities	10	\$24B	(\$120M)	\$2,746M	\$4,240M	\$4,983M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$528M	\$702M	\$2,545M	\$3,472M	\$6,570M
XLP	Consumer Staples Select Sector SPDR Fund	\$406M	\$662M	\$3,043M	\$3,135M	\$15,096M
VGT	Vanguard Information Technology ETF	\$300M	\$1,456M	\$226M	\$2,131M	\$40,565M
XRT	SPDR S&P Retail ETF	\$183M	(\$139M)	(\$139M)	\$77M	\$513M
XLRE	Real Estate Select Sector SPDR Fund	\$125M	\$399M	\$509M	\$2,365M	\$4,902M
VFH	Vanguard Financials ETF	\$124M	(\$1,320M)	(\$775M)	(\$527M)	\$8,578M
VCR	Vanguard Consumer Discretionary ETF	\$116M	(\$383M)	(\$883M)	(\$196M)	\$4,330M
XLC	Communication Services Select Sector SPDR Fu..	\$94M	(\$184M)	(\$838M)	(\$87M)	\$9,198M
VIS	Vanguard Industrials ETF	\$80M	(\$684M)	(\$979M)	(\$1,351M)	\$3,304M
KRE	SPDR S&P Regional Banking ETF	\$71M	(\$2,116M)	(\$1,022M)	(\$1,402M)	\$3,090M

U.S. Sector & Industry Flow Laggards

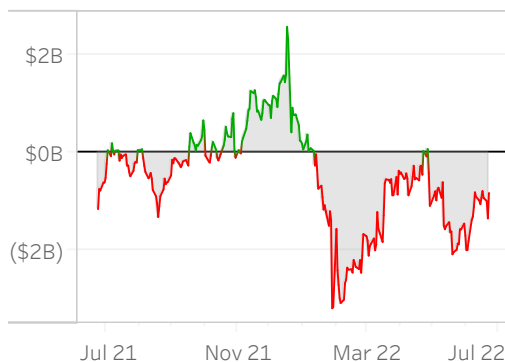
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$577M)	(\$8,641M)	(\$5,641M)	(\$5,954M)	\$29,728M
XLE	Energy Select Sector SPDR Fund	(\$548M)	(\$939M)	\$408M	(\$152M)	\$36,598M
XLV	Health Care Select Sector SPDR Fund	(\$427M)	\$3,369M	\$5,659M	\$9,935M	\$36,217M
VNQ	Vanguard Real Estate ETF	(\$359M)	(\$1,160M)	(\$964M)	\$1,791M	\$37,553M
XLI	Industrial Select Sector SPDR Fund	(\$261M)	(\$1,172M)	(\$2,013M)	(\$4,724M)	\$12,781M
XLB	Materials Select Sector SPDR Fund	(\$232M)	(\$209M)	(\$501M)	(\$2,598M)	\$6,369M
XLK	Technology Select Sector SPDR Fund	(\$187M)	\$1,078M	\$193M	\$2,453M	\$38,207M
XME	SPDR S&P Metals & Mining ETF	(\$128M)	(\$466M)	\$426M	\$217M	\$2,347M
PAVE	Global X U.S. Infrastructure Development ETF	(\$124M)	(\$505M)	(\$850M)	\$621M	\$3,654M

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Communication Services



Consumer Discretionary



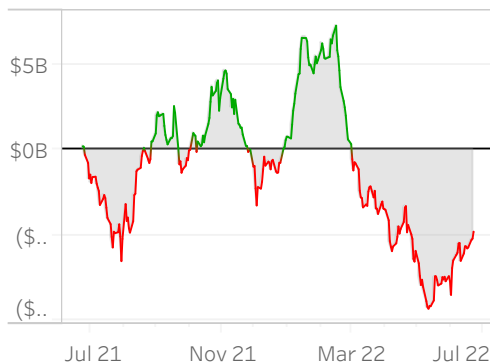
Consumer Staples



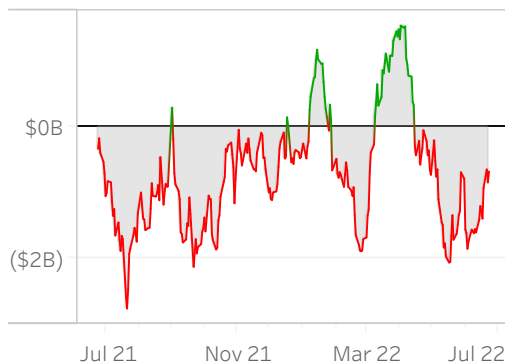
Energy



Financials



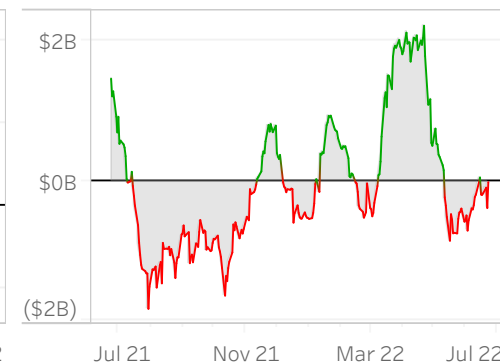
Industrial



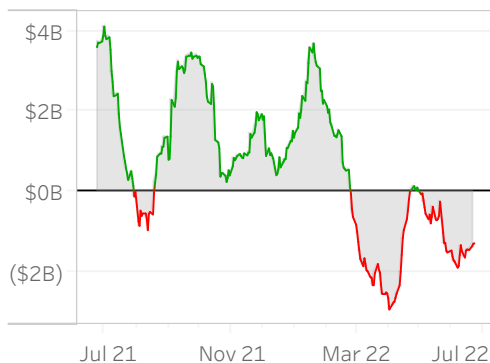
Health Care



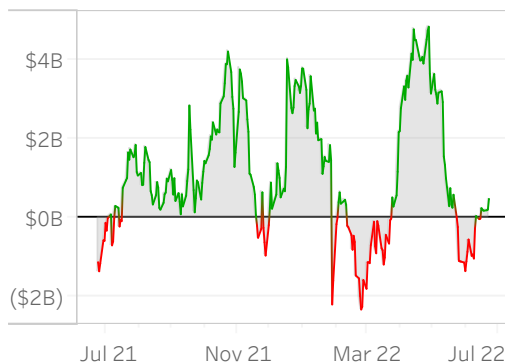
Materials



Real Estate



Technology



Utilities

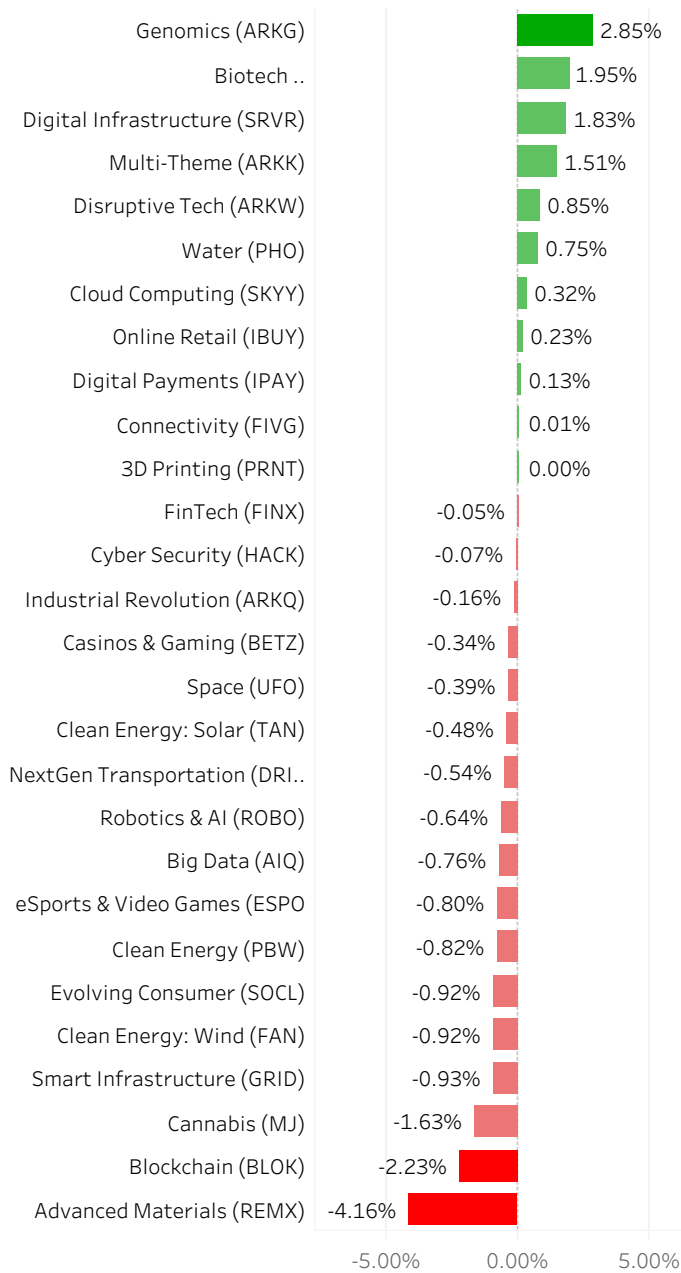


Multi-Sector

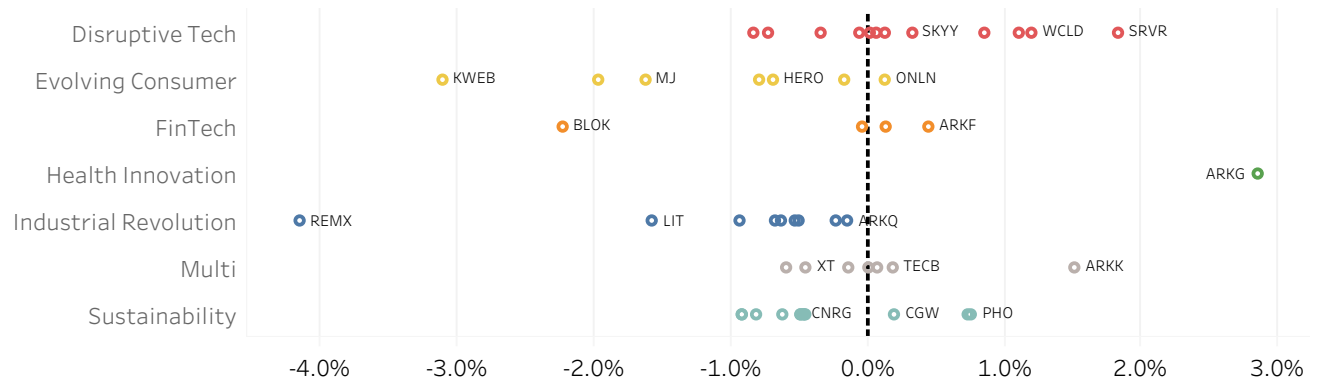


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	2.94%
ARKG	ARK Genomic Revolution ETF	2.85%
GNOM	Global X Genomics & Biotechnology ETF	2.08%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	1.99%
SBIO	ALPS Medical Breakthroughs ETF	1.95%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	1.83%
BTEC	Principal Healthcare Innovators ETF	1.79%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	1.63%
ARKK	ARK Innovation ETF	1.51%
WCLD	WisdomTree Cloud Computing Fund	1.19%

Thematic Most Overbought

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	66.95
KWEB	KraneShares CSI China Internet ETF	55.25
SBIO	ALPS Medical Breakthroughs ETF	52.58
TAN	Invesco Solar ETF	52.12
LIT	Global X Lithium & Battery Tech ETF	51.93
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	51.70
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	51.54
BTEC	Principal Healthcare Innovators ETF	51.39
KSTR	KraneShares SSE STAR Market 50 Index ETF	51.12
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	50.97

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BKCH	Global X Blockchain ETF	-7.11%
BITQ	Bitwise Crypto Industry Innovators ETF	-5.86%
REMX	VanEck Rare Earth/Strategic Metals ETF	-4.16%
KWEB	KraneShares CSI China Internet ETF	-3.11%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-2.26%
BLOK	Amplify Transformational Data Sharing ETF	-2.23%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-1.97%
AWAY	ETFMG Travel Tech ETF	-1.86%
CTEC	Global X CleanTech ETF	-1.70%
MJ	ETFMG Alternative Harvest ETF	-1.63%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	22.65
MSOS	AdvisorShares Pure US Cannabis ETF	25.56
CGW	Invesco S&P Global Water Index ETF	30.05
MJ	ETFMG Alternative Harvest ETF	30.35
BKCH	Global X Blockchain ETF	30.91
PIO	Invesco Global Water ETF	31.07
BITQ	Bitwise Crypto Industry Innovators ETF	31.62
BLOK	Amplify Transformational Data Sharing ETF	32.34
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	32.63
EVX	VanEck Environmental Services ETF	33.84

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$339M
KWEB	KraneShares CSI China Internet ETF	\$135M
PBW	Invesco WilderHill Clean Energy ETF	\$37M
ICLN	iShares Global Clean Energy ETF	\$21M
WCLD	WisdomTree Cloud Computing Fund	\$13M
HERO	Global X Video Games & Esports ETF	\$6M
MJ	ETFMG Alternative Harvest ETF	\$5M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$3M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$3M
IBUY	Amplify Online Retail ETF	\$2M

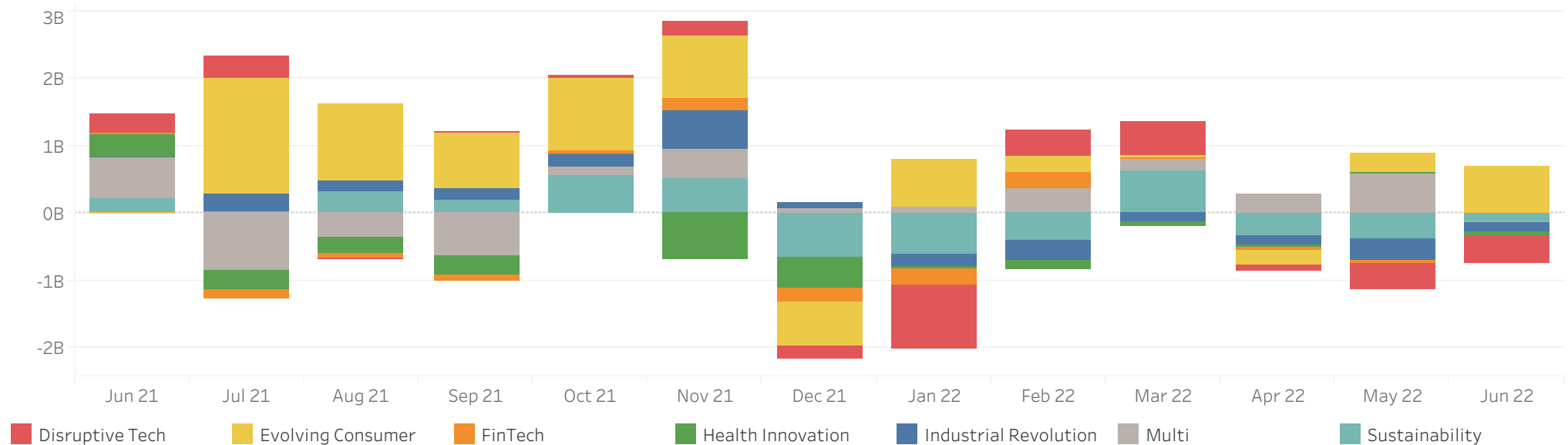
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	(\$41M)
LIT	Global X Lithium & Battery Tech ETF	(\$23M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$13M)
TAN	Invesco Solar ETF	(\$11M)
CLOU	Global X Cloud Computing ETF	(\$11M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$10M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$10M)
SKYY	First Trust Cloud Computing ETF	(\$10M)
BUG	Global X Cybersecurity ETF	(\$10M)
ACES	ALPS Clean Energy ETF	(\$9M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$18B	(\$235M)	(\$789M)	(\$1,075M)	(\$264M)
Evolving Consumer	48	\$12B	\$112M	\$917M	\$1,390M	\$6,776M
FinTech	24	\$3B	(\$8M)	(\$55M)	(\$145M)	(\$306M)
Health Innovation	19	\$3B	(\$51M)	(\$49M)	(\$554M)	(\$1,899M)
Industrial Revolution	32	\$12B	(\$45M)	(\$588M)	(\$1,175M)	\$219M
Multi	42	\$15B	\$201M	\$535M	\$1,335M	\$859M
Sustainability	42	\$17B	(\$13M)	(\$1,043M)	(\$1,324M)	(\$3M)
Grand Total	243	\$80B	(\$41M)	(\$1,071M)	(\$1,549M)	\$5,382M

Thematic Monthly Flows

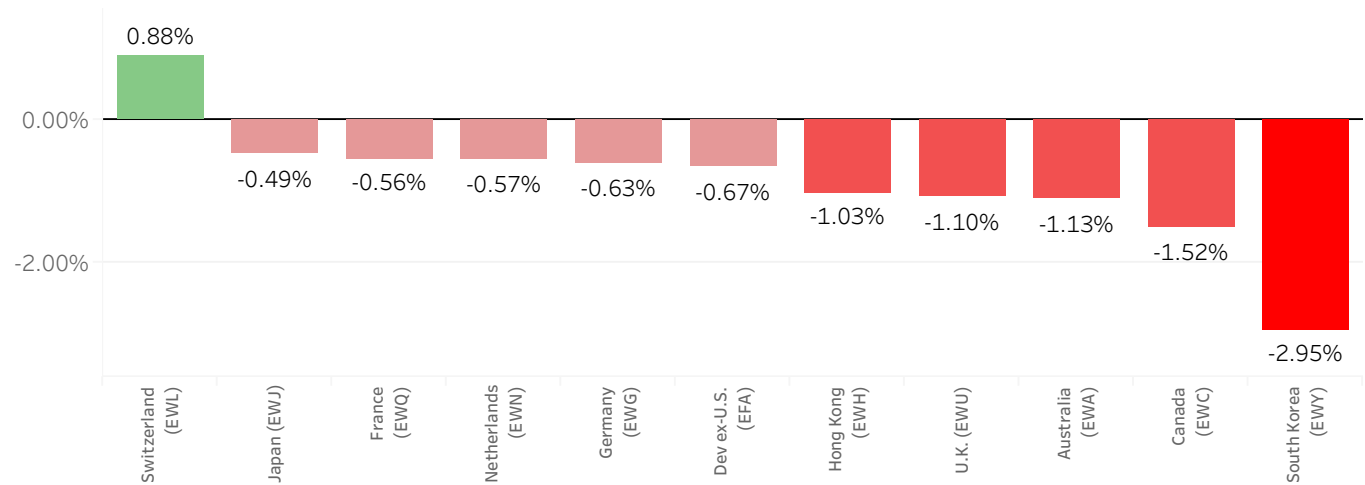


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



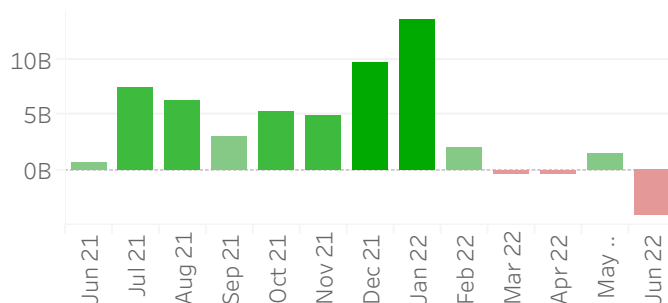
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FKU	First Trust United Kingdom AlphaDEX Fund	3.03%
EWL	iShares MSCI Switzerland ETF	0.88%
IQIN	IQ 500 International ETF	0.46%
GREK	Global X MSCI Greece ETF	0.33%
PTIN	Pacer Trendpilot International ETF	0.00%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-0.09%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-0.10%
EIS	iShares MSCI Israel ETF	-0.12%
EWJV	iShares MSCI Japan Value ETF	-0.12%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.15%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DXJ	WisdomTree Japan Hedged Equity Fund	46.26
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	45.41
HEWJ	iShares Currency Hedged MSCI Japan ETF	45.20
GREK	Global X MSCI Greece ETF	44.89
AIA	iShares Asia 50 ETF	44.71
AAXJ	iShares MSCI All Country Asia ex Japan ETF	43.49
ISRA	VanEck Israel ETF	42.60
PTIN	Pacer Trendpilot International ETF	42.05
EWH	iShares MSCI Hong Kong ETF	41.78
EIS	iShares MSCI Israel ETF	41.05

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	-3.84%
FLKR	Franklin FTSE South Korea ETF	-3.07%
EWY	iShares MSCI South Korea ETF	-2.95%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-2.43%
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	-2.27%
CIL	VictoryShares International Volatility Wtd ETF	-2.23%
IVAL	Alpha Architect International Quantitative Value ETF	-1.94%
AIA	iShares Asia 50 ETF	-1.88%
IMOM	Alpha Architect International Quantitative Momentum ETF	-1.84%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-1.82%

Developed ex-U.S. Most Oversold

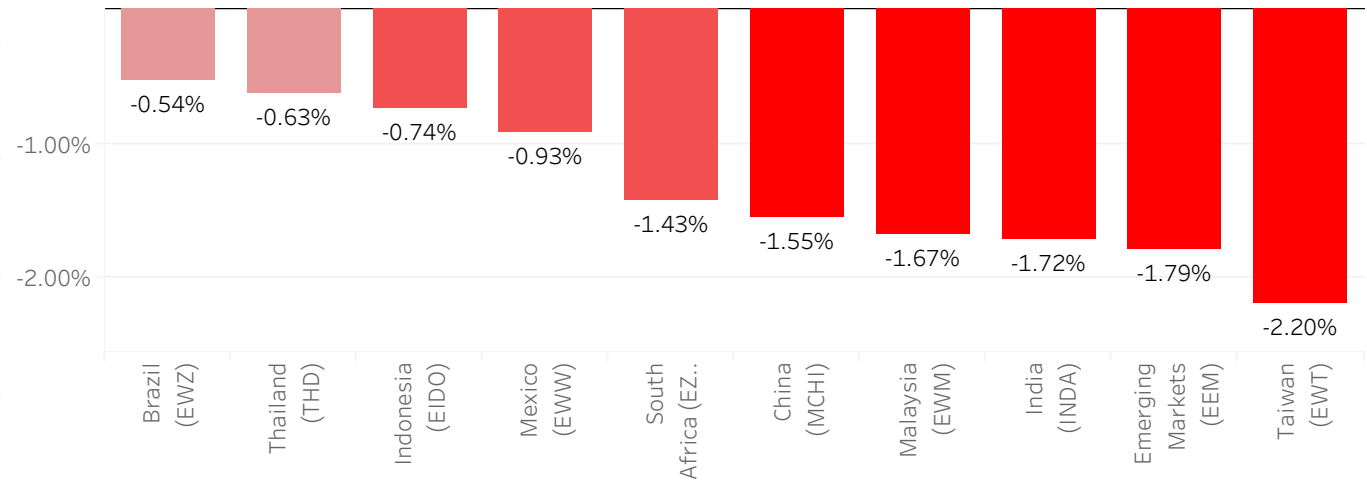
Ticker	Fund	Price
FLKR	Franklin FTSE South Korea ETF	24.34
IDLV	Invesco S&P International Developed Low Volatility ...	24.57
IMFL	Invesco International Developed Dynamic Multifact...	25.59
GWX	SPDR S&P International Small Cap ETF	25.80
EWY	iShares MSCI South Korea ETF	26.20
VPL	Vanguard FTSE Pacific ETF	26.69
ISDX	Invesco RAFI Strategic Developed ex-US ETF	26.91
JPIN	J.P. Morgan Diversified Return International Equity ..	27.12
IQIN	IQ 500 International ETF	27.81
SCJ	iShares MSCI Japan Small-Cap ETF	27.81

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Emerging (EEM)



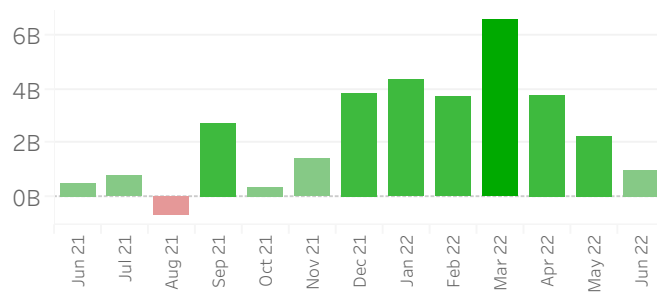
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EYLD	Cambria Emerging Shareholder Yield ETF	0.42%
ECNS	iShares MSCI China Small-Cap ETF	-0.20%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.49%
EWZ	iShares MSCI Brazil ETF	-0.54%
FLBR	Franklin FTSE Brazil ETF	-0.58%
IDX	VanEck Indonesia Index ETF	-0.59%
THD	iShares MSCI Thailand ETF	-0.63%
TUR	iShares MSCI Turkey ETF	-0.72%
EIDO	iShares MSCI Indonesia ETF	-0.74%
EWW	iShares MSCI Mexico ETF	-0.93%

Emerging Most Overbought

Ticker	Fund	Price
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	58.65
PGJ	Invesco Golden Dragon China ETF	58.58
RAYC	Rayliant Quantamental China Equity ETF	58.18
CNYA	iShares MSCI China A ETF	57.57
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	57.30
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	56.71
ECNS	iShares MSCI China Small-Cap ETF	55.43
FLCH	Franklin FTSE China ETF	54.80
MCHI	iShares MSCI China ETF	54.64
FNI	First Trust Chindia ETF	54.34

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PIE	Invesco DWA Emerging Markets Momentum ETF	-3.05%
ECH	iShares MSCI Chile ETF	-2.98%
KSA	iShares MSCI Saudi Arabia ETF	-2.82%
EPOL	iShares MSCI Poland ETF	-2.69%
EPU	iShares MSCI Peru ETF	-2.32%
EWT	iShares MSCI Taiwan ETF	-2.20%
AFK	VanEck Africa Index ETF	-2.12%
FRDM	Freedom 100 Emerging Markets ETF	-2.07%
ADRE	Invesco BLDRE Emerging Markets 50 ADR Index Fund	-2.07%
EMGF	iShares MSCI Emerging Markets Multifactor ETF	-2.06%

Emerging Most Oversold

Ticker	Fund	Price
EPHE	iShares MSCI Philippines ETF	20.01
FM	iShares MSCI Frontier and Select EM ETF	20.13
QAT	iShares MSCI Qatar ETF	20.43
KSA	iShares MSCI Saudi Arabia ETF	21.77
FLBR	Franklin FTSE Brazil ETF	23.98
AFK	VanEck Africa Index ETF	24.38
VNM	VanEck Vietnam ETF	24.95
ILF	iShares Latin America 40 ETF	25.76
EWZ	iShares MSCI Brazil ETF	25.76
EWM	iShares MSCI Malaysia ETF	26.15

*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	0.85%	-2.12%	-10.94%
SHY	1-3 Year Treasury Bonds	0.29%	-0.69%	-3.22%
IEF	7-10 Year Treasury Bonds	1.26%	-2.67%	-11.74%
TLT	20+ Year Treasury Bonds	2.75%	-4.30%	-23.01%
TIP	TIPS Bonds	0.58%	-1.91%	-8.17%
FLOT	Floating Rate Bonds	0.10%	-0.59%	-1.10%
LQD	Investment Grade Corporate	0.73%	-2.70%	-16.77%
HYG	High Yield Corporate	-0.03%	-2.87%	-13.33%
BKLN	Senior Loan	-0.77%	-0.98%	-5.62%
PFF	Preferred & Income Securities	0.22%	-1.01%	-16.10%
MUB	Municipal Bonds	0.31%	0.12%	-8.53%
MBB	MBS	0.85%	-2.50%	-9.77%
EMB	Dollar Denominated EM Bonds	0.15%	-3.91%	-19.82%
LEMB	Local Currency EM Bond	0.29%	-1.95%	-12.80%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.56%	-5.02%	29.04%
DBE	Energy	-2.03%	5.41%	60.95%
USO	WTI Crude Oil	-3.77%	-0.94%	48.79%
BNO	Brent Crude Oil	-3.53%	-0.03%	54.33%
UNG	Natural Gas	0.04%	-16.30%	85.83%
UGA	Gasoline	-0.37%	2.67%	72.73%
DBP	Precious Metals	0.31%	-0.72%	-2.14%
GLD	Gold	0.40%	-0.42%	0.20%
SLV	Silver	-1.10%	-1.54%	-8.14%
PPLT	abrdn Physical Platin..	-1.33%	-2.88%	-4.25%
PALL	abrdn Physical Palla..	-0.72%	-5.09%	-1.72%
DBB	Base Metals	-0.99%	-8.38%	-5.71%
CPER	Copper	-2.34%	-8.36%	-12.53%
LD	Lead	-8.18%	-6.49%	-13.13%
JJN	Nickel	-5.76%	-14.94%	17.72%
JJU	Aluminum	-2.39%	-12.97%	-9.66%
JJT	Tin	-2.04%	-14.96%	-24.03%
DBA	Agriculture	-1.21%	-4.23%	7.85%
CORN	Corn	-1.01%	-5.01%	27.76%
SOYB	Soybeans	-2.06%	-3.13%	21.01%
WEAT	Wheat	-0.50%	-13.22%	35.05%
CANE	Sugar	-1.38%	-7.36%	1.20%
BAL	Cotton	-2.08%	-11.87%	18.76%
NIB	Cocoa	-1.77%	-1.38%	-9.73%
JO	Coffee	1.84%	9.43%	4.89%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.14%	0.98%	8.51%
UDN	Short Dollar	0.22%	-1.04%	-8.45%
FXE	Euro	0.35%	-0.01%	-7.58%
FXB	British Pound Sterling	-0.02%	-1.77%	-9.40%
FXF	Swiss Franc	0.56%	1.24%	-5.72%
FXJ	Japanese Yen	0.35%	-6.16%	-15.65%
FXC	Canadian Dollar	-0.18%	-0.90%	-2.51%
FXA	Australian Dollar	-0.54%	-1.54%	-4.83%

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