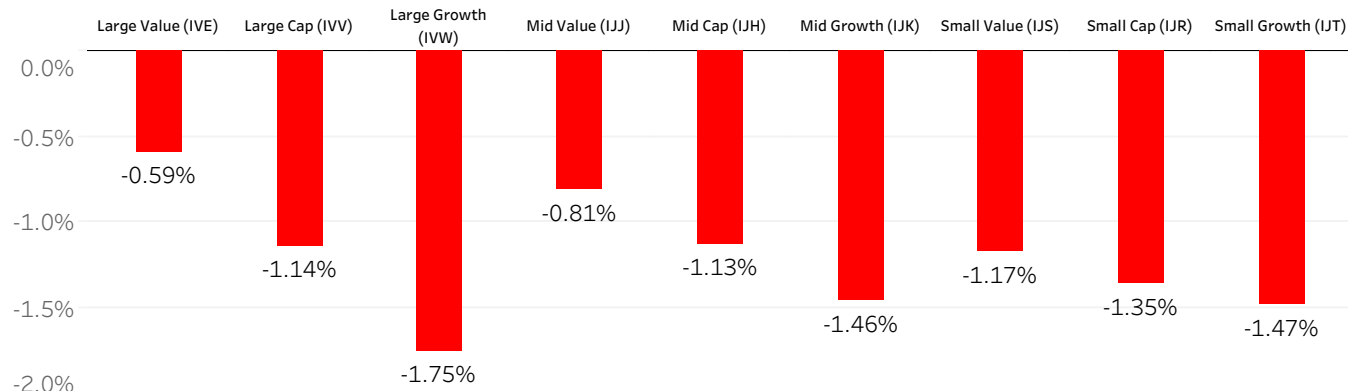


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	0.77%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.25%
PEY	Invesco High Yield Equity Dividend Achievers ETF	0.20%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.15%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.10%
SPLV	Invesco S&P 500 Low Volatility ETF	0.08%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.04%
LGH	HCM Defender 500 Index ETF	0.01%
LFEQ	VanEck Long/Flat Trend ETF	0.00%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%

Size & Style Most Overbought

Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	53.93
PABU	iShares Paris-Aligned Climate MSCI USA ETF	53.86
QLV	FlexShares US Quality Low Volatility Index Fund	53.09
SMMV	iShares MSCI USA Small-Cap Min Vol Factor ETF	52.62
USMV	iShares MSCI USA Min Vol Factor ETF	52.61
LCG	Sterling Capital Focus Equity ETF	51.84
OUSA	ALPS O'Shares U.S. Quality Dividend ETF	51.72
IPO	Renaissance IPO ETF	51.45
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	51.23
HKND	Humankind US Stock ETF	51.14

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-4.28%
BUZZ	VanEck Social Sentiment ETF	-3.81%
AIEQ	AI Powered Equity ETF	-3.71%
ISCG	iShares Morningstar Small-Cap Growth ETF	-2.66%
TMFS	Motley Fool Small-Cap Growth ETF	-2.54%
SPHB	Invesco S&P 500 High Beta ETF	-2.51%
VTWG	Vanguard Russell 2000 Growth ETF	-2.46%
IWO	iShares Russell 2000 Growth ETF	-2.44%
MMLG	First Trust Multi-Manager Large Growth ETF	-2.39%
WINN	Harbor Long-Term Growers ETF	-2.38%

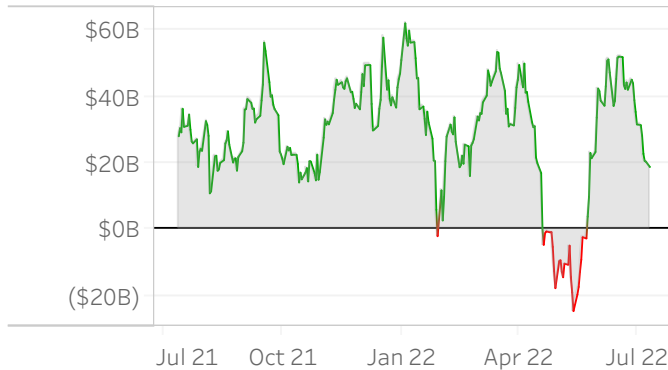
Size & Style Most Oversold

Ticker	Fund	Value
LGH	HCM Defender 500 Index ETF	32.18
RPHS	Regents Park Hedged Market Strategy ETF	32.91
FFTY	Innovator IBD 50 ETF	35.81
QQH	HCM Defender 100 Index ETF	36.03
EQRR	ProShares Equities for Rising Rates ETF	36.26
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	36.55
CSD	Invesco S&P Spin-Off ETF	36.99
WBIY	WBI Power Factor High Dividend ETF	37.05
DWAS	Invesco DWA SmallCap Momentum ETF	38.07
X SVM	Invesco S&P SmallCap Value with Momentum ETF	38.46

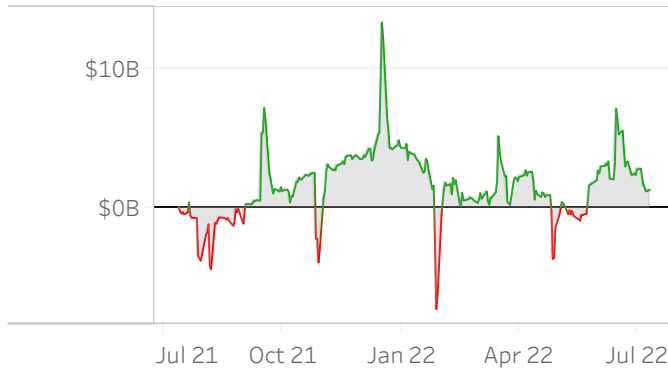
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

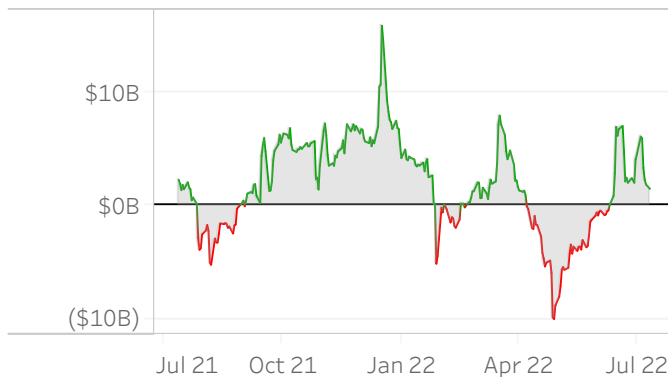
Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	25	\$1,175B	(\$1.83B)	\$2.44B	\$25.75B	\$119.48B
Large Cap, Beta Growth, Beta: Growth	10	\$217B	\$0.63B	\$4.54B	\$7.51B	\$16.30B
Large Cap, Beta Growth, Beta: Value	11	\$210B	(\$0.43B)	\$4.45B	\$16.23B	\$27.70B
Mid Cap, Beta, Beta	10	\$166B	\$0.26B	\$2.66B	\$4.72B	\$11.53B
Mid Cap, Beta, Beta: Growth	6	\$30B	\$0.10B	\$0.23B	(\$0.30B)	\$0.48B
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.51B)	(\$0.71B)	\$0.03B	\$0.62B
Small Cap, Beta, Beta	13	\$180B	(\$2.18B)	(\$3.54B)	(\$4.10B)	\$7.41B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.04B	\$0.94B	\$1.03B	\$1.75B
Small Cap, Beta, Beta: Value	7	\$48B	(\$0.52B)	\$0.21B	(\$2.20B)	(\$1.53B)

U.S. Size & Style Flow Leaders

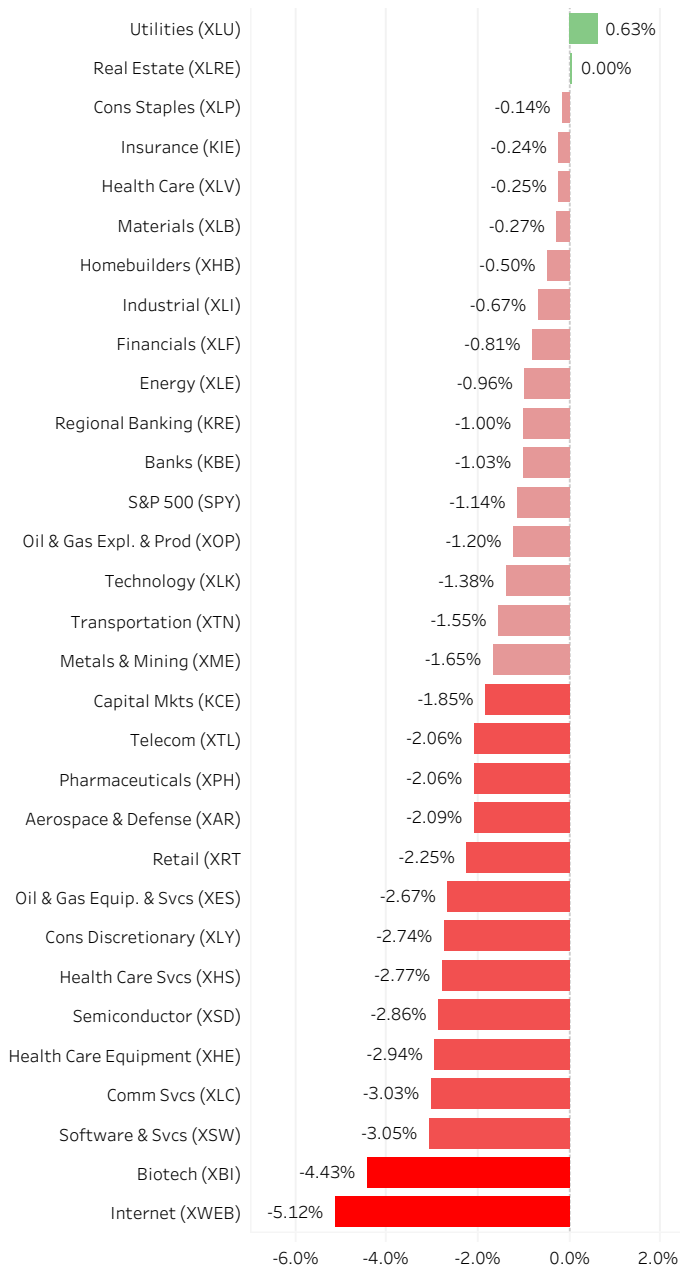
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$1.36B	\$4.07B	\$27.93B	\$45.36B	\$253.65B
IVV	iShares Core S&P 500 ETF	\$1.01B	(\$0.71B)	\$14.92B	\$30.55B	\$287.88B
VTI	Vanguard Total Stock Market ETF	\$0.59B	\$4.32B	\$11.91B	\$36.54B	\$253.16B
QQQ	Invesco QQQ Trust	\$0.49B	\$1.14B	\$2.08B	\$17.29B	\$161.57B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.40B	\$0.87B	\$0.08B	\$0.29B	\$26.94B
IVW	iShares S&P 500 Growth ETF	\$0.19B	(\$1.28B)	(\$0.93B)	(\$0.14B)	\$29.65B
VUG	Vanguard Growth ETF	\$0.18B	\$2.50B	\$4.92B	\$6.76B	\$70.87B
HDV	iShares Core High Dividend ETF	\$0.15B	\$4.68B	\$5.88B	\$5.94B	\$13.06B
SCHD	Schwab US Dividend Equity ETF	\$0.13B	\$3.29B	\$6.97B	\$10.78B	\$35.14B
IWF	iShares Russell 1000 Growth ETF	\$0.12B	\$1.66B	\$0.71B	\$1.30B	\$60.00B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$4.81B)	(\$3.28B)	(\$24.30B)	\$11.73B	\$351.65B
IWM	iShares Russell 2000 ETF	(\$1.47B)	(\$0.52B)	(\$2.96B)	(\$1.74B)	\$51.50B
IJR	iShares Core S&P Small Cap ETF	(\$0.61B)	(\$1.64B)	(\$1.11B)	\$2.35B	\$61.02B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.44B)	(\$0.25B)	(\$0.87B)	(\$1.26B)	\$6.78B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.42B)	\$1.31B	\$0.53B	\$0.16B	\$8.10B
IVE	iShares S&P 500 Value ETF	(\$0.33B)	\$0.78B	\$1.93B	\$2.94B	\$23.61B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.33B)	\$3.22B	\$3.63B	\$7.06B	\$41.62B
MOAT	VanEck Morningstar Wide Moat ETF	(\$0.24B)	(\$0.17B)	\$0.06B	\$0.82B	\$6.25B
VTWO	Vanguard Russell 2000 ETF	(\$0.13B)	(\$0.89B)	(\$0.35B)	\$1.85B	\$5.31B
DVY	iShares Select Dividend ETF	(\$0.13B)	\$0.92B	\$2.25B	\$2.81B	\$21.28B

* 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	-8.70%	8.77%	1.61%	-1.26%	57.33
XLU	Utilities Select Sector SPDR Fund	-8.71%	10.54%	-1.00%	0.67%	51.23
XLP	Consumer Staples Select Sector SPDR Fund	-9.64%	5.81%	-0.59%	-2.02%	52.28
XLI	Industrial Select Sector SPDR Fund	-18.48%	2.06%	-4.14%	-12.25%	42.99
SPY	SPDR S&P 500 ETF Trust	-19.57%	5.02%	-2.47%	-11.94%	47.43
XLB	Materials Select Sector SPDR Fund	-19.63%	0.26%	-9.50%	-14.12%	33.93
XLRE	Real Estate Select Sector SPDR Fund	-20.42%	6.13%	-2.36%	-11.09%	47.08
XLF	Financial Select Sector SPDR Fund	-23.18%	3.18%	-4.07%	-15.05%	43.76
XLE	Energy Select Sector SPDR Fund	-23.85%	53.46%	-12.30%	2.14%	37.73
XLK	Technology Select Sector SPDR Fund	-25.82%	6.11%	-1.98%	-14.35%	49.52
XLY	Consumer Discretionary Select Sector SPDR Fund	-32.66%	5.74%	-2.95%	-20.41%	47.33
XLC	Communication Services Select Sector SPDR Fund	-36.10%	3.60%	-4.16%	-20.72%	44.27

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLU	Utilities Select Sector SPDR Fund	0.63%
VPU	Vanguard Utilities ETF	0.50%
FUTY	Fidelity MSCI Utilities Index ETF	0.49%
IDU	iShares U.S. Utilities ETF	0.48%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	0.47%
FXU	First Trust Utilities AlphaDEX Fund	0.31%
PUI	Invesco DWA Utilities Momentum ETF	0.28%
NETL	NETLease Corporate Real Estate ETF	0.27%
PKB	Invesco Dynamic Building & Construction ETF	0.08%
AMZA	InfraCap MLP ETF	0.04%

Sector & Industry Most Overbought

Ticker	Fund	Price
IBB	iShares Biotechnology ETF	62.40
XBI	SPDR S&P BIOTECH ETF	60.78
PBE	Invesco Dynamic Biotechnology & Genome ETF	60.11
PTH	Invesco DWA Healthcare Momentum ETF	59.49
FBT	First Trust NYSE Arca Biotechnology Index Fund	59.29
PJP	Invesco Dynamic Pharmaceuticals ETF	58.22
ITB	iShares U.S. Home Construction ETF	58.12
FHLC	Fidelity MSCI Health Care Index ETF	58.08
IYH	iShares U.S. Healthcare ETF	57.85
VHT	Vanguard Health Care ETF	57.77

Sector & Industry 1 Day Performance Laggards

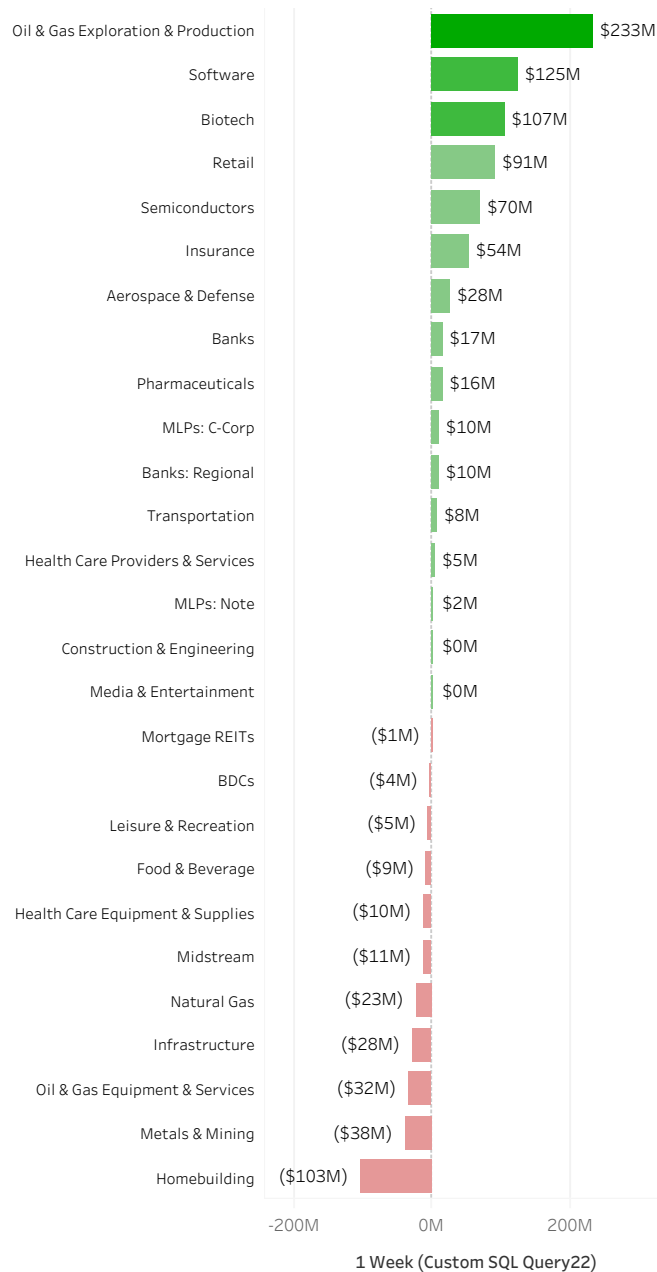
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-4.43%
PNQI	Invesco NASDAQ Internet ETF	-4.11%
FDN	First Trust Dow Jones Internet Index Fund	-3.41%
XSW	SPDR S&P Software & Services ETF	-3.05%
XLC	Communication Services Select Sector SPDR Fund	-3.03%
XNTK	SPDR NYSE Technology ETF	-2.99%
XHE	SPDR S&P Health Care Equipment ETF	-2.94%
XSD	SPDR S&P Semiconductor ETF	-2.86%
FCOM	Fidelity MSCI Communication Services Index ETF	-2.82%
XHS	SPDR S&P Health Care Services ETF	-2.77%

Sector & Industry Most Oversold

Ticker	Fund	Price
IYM	iShares U.S. Basic Materials ETF	32.18
FXZ	First Trust Materials AlphaDEX Fund	32.19
PYZ	Invesco DWA Basic Materials Momentum ETF	33.25
XLB	Materials Select Sector SPDR Fund	33.93
VAW	Vanguard Materials ETF	34.34
FMAT	Fidelity MSCI Materials Index ETF	34.51
XES	SPDR S&P Oil & Gas Equipment & Services ETF	35.02
IEZ	iShares U.S. Oil Equipment & Services ETF	35.37
XME	SPDR S&P Metals & Mining ETF	35.84
RTM	Invesco S&P 500 Equal Weight Materials ETF	36.41

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

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	9	\$14B	(\$18M)	(\$464M)	(\$808M)	(\$165M)
Consumer Discretionary	13	\$22B	(\$240M)	(\$2,744M)	(\$5,528M)	(\$5,082M)
Consumer Staples	12	\$27B	(\$287M)	\$1,591M	\$4,213M	\$6,677M
Energy	34	\$68B	(\$200M)	(\$2,587M)	(\$1,622M)	\$1,787M
Financials	28	\$56B	(\$347M)	(\$11,272M)	(\$15,901M)	(\$9,042M)
Health Care	26	\$91B	\$281M	\$4,043M	\$7,120M	\$13,410M
Industrial	14	\$27B	(\$425M)	(\$2,571M)	(\$3,470M)	(\$5,863M)
Materials	10	\$14B	(\$289M)	(\$1,451M)	\$212M	(\$1,473M)
Multi-Sector	19	\$14B	(\$204M)	(\$624M)	(\$5,266M)	(\$3,001M)
Real Estate	24	\$66B	(\$293M)	(\$1,975M)	(\$4,952M)	\$3,417M
Technology	24	\$117B	\$148M	(\$853M)	(\$2,403M)	\$4,857M
Utilities	10	\$25B	\$273M	\$2,684M	\$4,357M	\$5,237M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$259M	(\$558M)	(\$533M)	(\$569M)	\$4,367M
XLU	Utilities Select Sector SPDR Fund	\$209M	\$2,240M	\$3,085M	\$3,513M	\$16,059M
IBB	iShares Biotechnology ETF	\$155M	(\$60M)	(\$140M)	\$1M	\$8,339M
IGV	iShares Expanded Tech-Software Sector ETF	\$127M	\$503M	\$336M	\$1,373M	\$4,836M
XLV	Health Care Select Sector SPDR Fund	\$117M	\$2,804M	\$4,549M	\$8,249M	\$38,575M
XRT	SPDR S&P Retail ETF	\$91M	\$60M	\$152M	(\$277M)	\$466M
SOXX	iShares Semiconductor ETF	\$70M	(\$346M)	(\$223M)	\$1,492M	\$6,389M
VGT	Vanguard Information Technology ETF	\$69M	\$915M	(\$56M)	\$1,678M	\$42,512M
KIE	SPDR S&P Insurance ETF	\$52M	\$156M	\$206M	(\$64M)	\$613M
VHT	Vanguard Health Care ETF	\$48M	(\$143M)	\$394M	\$1,392M	\$16,347M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$446M)	(\$1,186M)	(\$3,460M)	(\$5,093M)	\$12,205M
XLP	Consumer Staples Select Sector SPDR Fund	(\$277M)	\$33M	\$1,749M	\$3,595M	\$15,223M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$266M)	(\$956M)	(\$2,736M)	(\$1,956M)	\$14,608M
XLF	Financial Select Sector SPDR Fund	(\$258M)	(\$6,661M)	(\$9,788M)	(\$5,330M)	\$29,424M
XLE	Energy Select Sector SPDR Fund	(\$219M)	(\$908M)	(\$2,308M)	(\$387M)	\$33,041M
VFH	Vanguard Financials ETF	(\$173M)	(\$1,411M)	(\$1,219M)	(\$847M)	\$8,553M
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	(\$138M)	(\$124M)	(\$264M)	(\$387M)	\$983M
XLK	Technology Select Sector SPDR Fund	(\$135M)	(\$754M)	(\$374M)	\$1,853M	\$39,573M
XLB	Materials Select Sector SPDR Fund	(\$131M)	(\$457M)	(\$1,025M)	(\$2,160M)	\$6,029M
VDE	Vanguard Energy ETF	(\$82M)	(\$450M)	(\$654M)	(\$118M)	\$7,003M

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

Communication Services



Consumer Discretionary



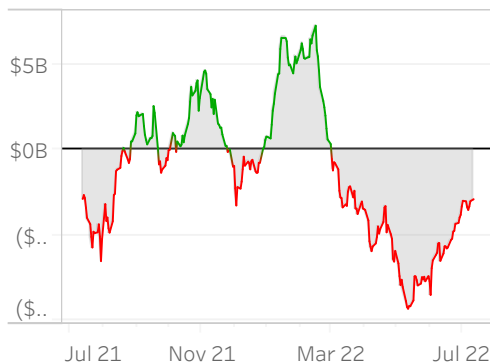
Consumer Staples



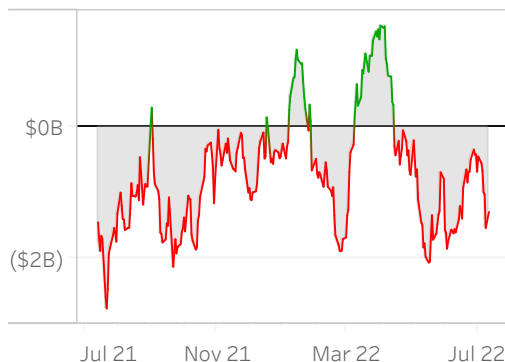
Energy



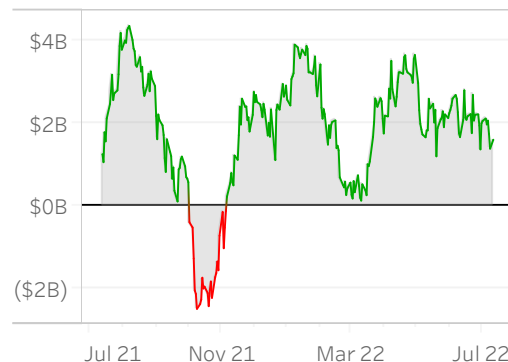
Financials



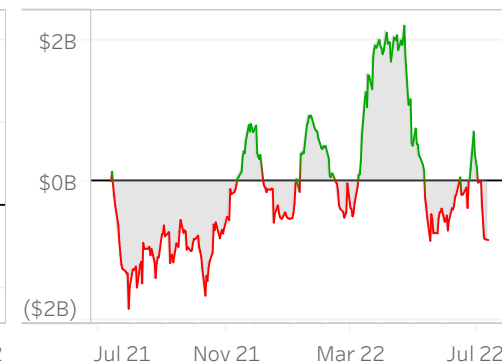
Industrial



Health Care



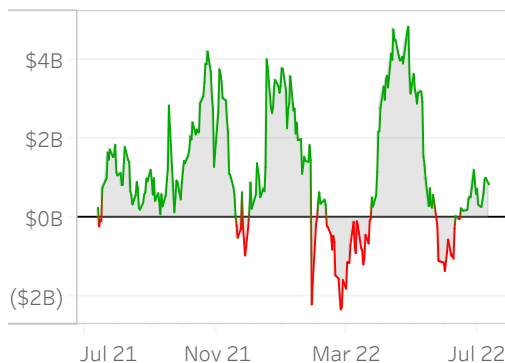
Materials



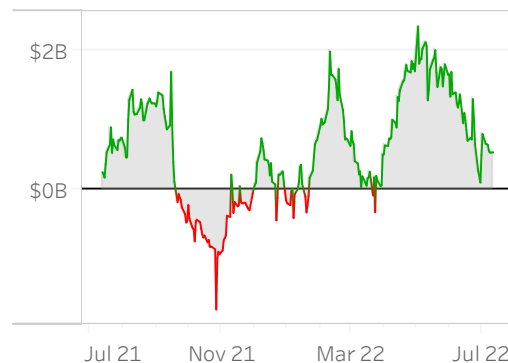
Real Estate



Technology



Utilities

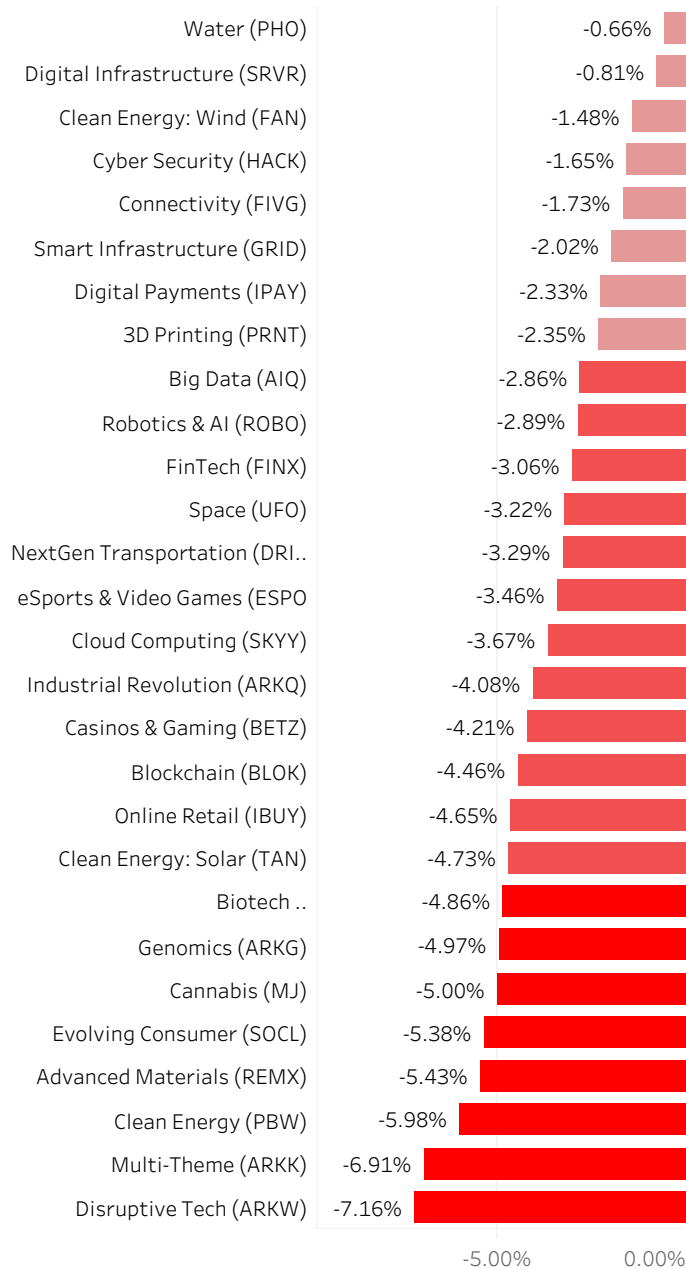


Multi-Sector

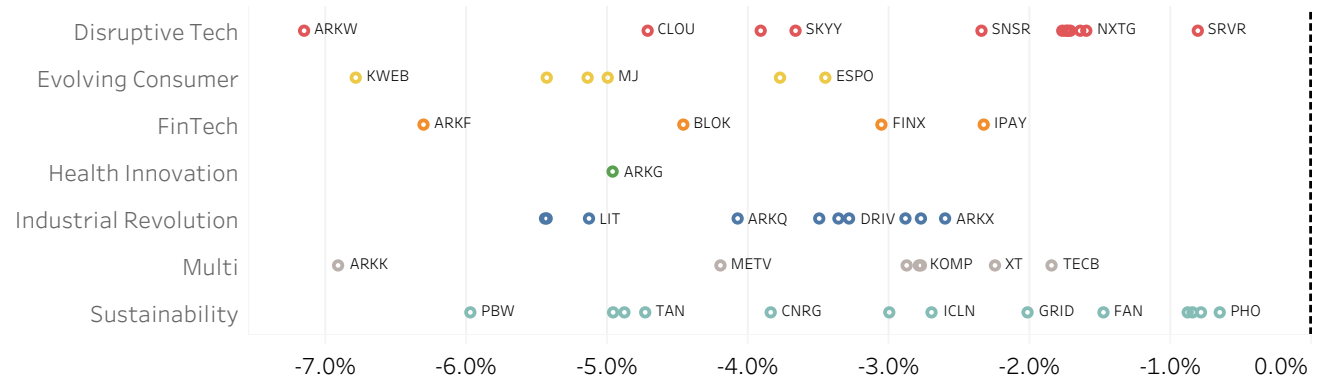


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PHO	Invesco Water Resources ETF	-0.66%
FIW	First Trust Water ETF	-0.79%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	-0.81%
CGW	Invesco S&P Global Water Index ETF	-0.85%
PIO	Invesco Global Water ETF	-0.88%
EVX	VanEck Environmental Services ETF	-0.93%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-0.96%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-1.04%
EBLU	Ecofin Global Water ESG Fund	-1.21%
GDOC	Goldman Sachs Future Health Care Equity ETF	-1.41%

Thematic Most Overbought

Ticker	Fund	Price
GNOM	Global X Genomics & Biotechnology ETF	61.40
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	61.17
SBIO	ALPS Medical Breakthroughs ETF	60.01
BTEC	Principal Healthcare Innovators ETF	58.63
GDOC	Goldman Sachs Future Health Care Equity ETF	57.76
ARKG	ARK Genomic Revolution ETF	57.49
HTEC	ROBO Global Healthcare Technology and Innovation ETF	55.49
BUG	Global X Cybersecurity ETF	53.92
HACK	ETFMG Prime Cyber Security ETF	53.41
CIBR	First Trust NASDAQ Cybersecurity ETF	53.28

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-7.50%
ARKW	ARK Next Generation Internet ETF	-7.16%
BKCH	Global X Blockchain ETF	-6.92%
ARKK	ARK Innovation ETF	-6.91%
KWEB	KraneShares CSI China Internet ETF	-6.79%
MOON	Direxion Moonshot Innovators ETF	-6.68%
ARKF	ARK Fintech Innovation ETF	-6.31%
PBW	Invesco WilderHill Clean Energy ETF	-5.98%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	-5.45%
REMX	VanEck Rare Earth/Strategic Metals ETF	-5.43%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	33.09
MJ	ETFMG Alternative Harvest ETF	34.41
BETZ	Roundhill Sports Betting & iGaming ETF	34.47
AWAY	ETFMG Travel Tech ETF	34.55
MSOS	AdvisorShares Pure US Cannabis ETF	34.56
REMX	VanEck Rare Earth/Strategic Metals ETF	36.11
LEGR	First Trust Indxx Innovative Transaction & Process ETF	37.77
NXTG	First Trust Indxx NextG ETF	37.92
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	38.58
BJK	VanEck Gaming ETF	38.59

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

Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$334M
ARKG	ARK Genomic Revolution ETF	\$131M
KWEB	KraneShares CSI China Internet ETF	\$62M
TAN	Invesco Solar ETF	\$24M
GNOM	Global X Genomics & Biotechnology ETF	\$14M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$12M
PBW	Invesco WilderHill Clean Energy ETF	\$11M
EBLU	Ecofin Global Water ESG Fund	\$9M
MOON	Direxion Moonshot Innovators ETF	\$8M
MSOS	AdvisorShares Pure US Cannabis ETF	\$6M

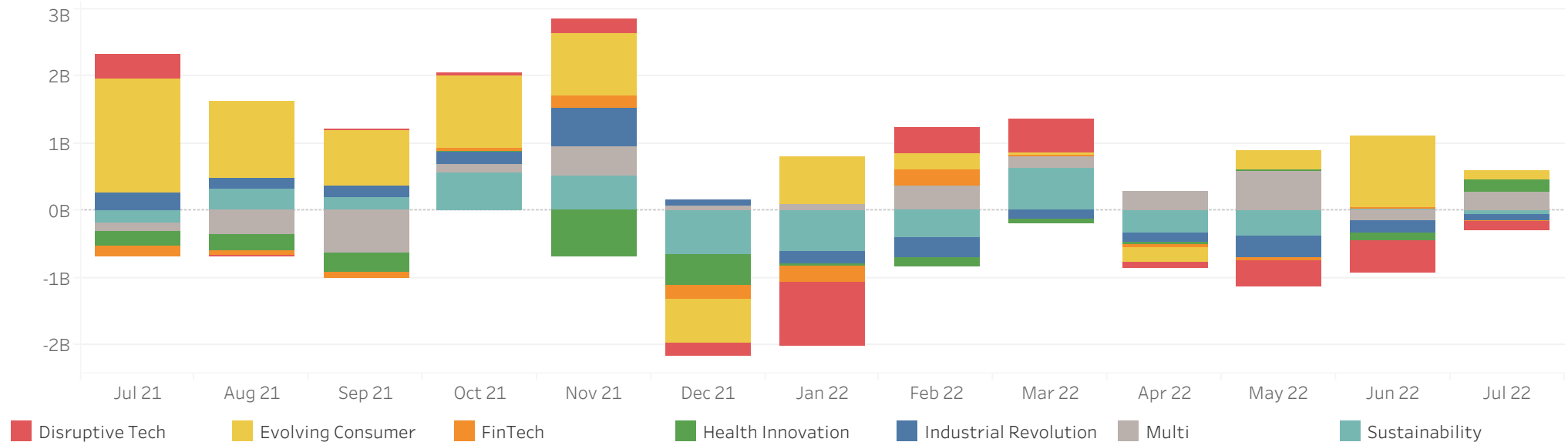
Thematic 1 Week Flow Laggards

Ticker	Fund	
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$38M)
LIT	Global X Lithium & Battery Tech ETF	(\$27M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$23M)
SKYY	First Trust Cloud Computing ETF	(\$21M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$12M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$11M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$10M)
ARKW	ARK Next Generation Internet ETF	(\$9M)
XITK	SPDR FactSet Innovative Technology ETF	(\$8M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$7M)

Thematic Landscape Assets & Flows

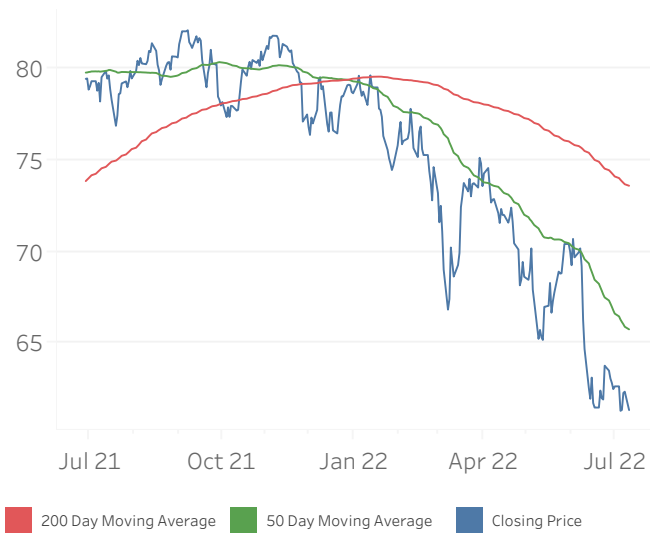
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$19B	(\$82M)	(\$990M)	(\$725M)	(\$682M)
Evolving Consumer	48	\$13B	\$53M	\$1,175M	\$1,840M	\$7,284M
FinTech	24	\$3B	\$1M	(\$120M)	\$78M	(\$364M)
Health Innovation	19	\$4B	\$155M	\$37M	(\$242M)	(\$2,056M)
Industrial Revolution	32	\$12B	(\$65M)	(\$731M)	(\$1,327M)	\$40M
Multi	42	\$16B	\$332M	\$1,293M	\$1,564M	\$1,164M
Sustainability	42	\$18B	\$17M	(\$713M)	(\$839M)	(\$331M)
Grand Total	243	\$85B	\$410M	(\$49M)	\$349M	\$5,056M

Thematic Monthly Flows

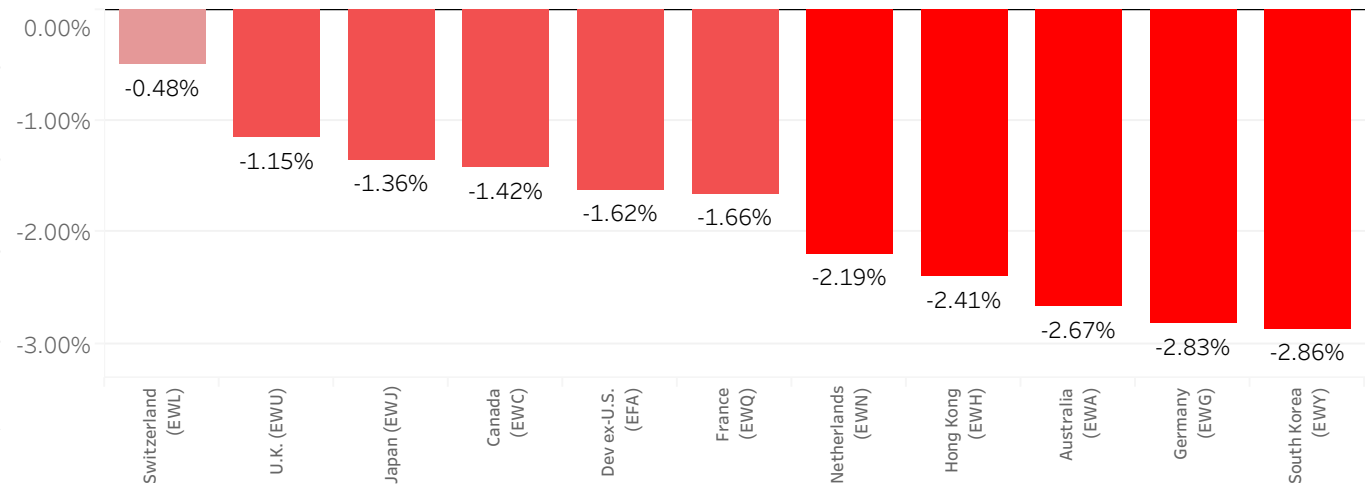


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



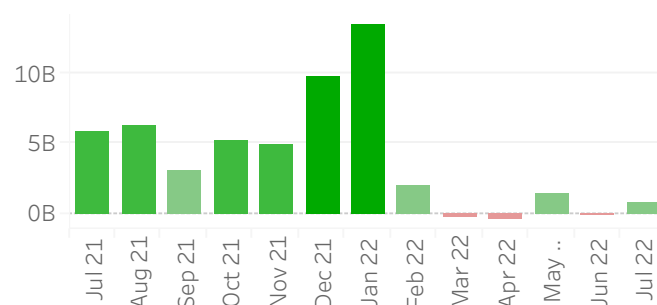
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
PTIN	Pacer Trendpilot International ETF	0.04%
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.18%
CIL	VictoryShares International Volatility Wtd ETF	-0.26%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.38%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.41%
DDW..	WisdomTree Dynamic Currency Hedged International Equity ..	-0.43%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.44%
HEFA	iShares Currency Hedged MSCI EAFE ETF	-0.44%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	-0.45%
EWL	iShares MSCI Switzerland ETF	-0.48%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	53.42
HEWJ	iShares Currency Hedged MSCI Japan ETF	50.77
DXJ	WisdomTree Japan Hedged Equity Fund	49.38
ISRA	VanEck Israel ETF	46.89
EFAD	ProShares MSCI EAFE Dividend Growers ETF	45.96
EIS	iShares MSCI Israel ETF	45.21
EWH	iShares MSCI Hong Kong ETF	45.13
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	44.46
JIRE	JPMorgan International Research Enhanced Equity ETF	44.43
PTIN	Pacer Trendpilot International ETF	44.30

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
GREK	Global X MSCI Greece ETF	-3.90%
AIA	iShares Asia 50 ETF	-3.61%
EWY	iShares MSCI South Korea ETF	-2.86%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-2.85%
EWG	iShares MSCI Germany ETF	-2.83%
EWD	iShares MSCI Sweden ETF	-2.77%
FLKR	Franklin FTSE South Korea ETF	-2.70%
EWA	iShares MSCI Australia ETF	-2.67%
EPP	iShares MSCI Pacific ex-Japan ETF	-2.54%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-2.47%

Developed ex-U.S. Most Oversold

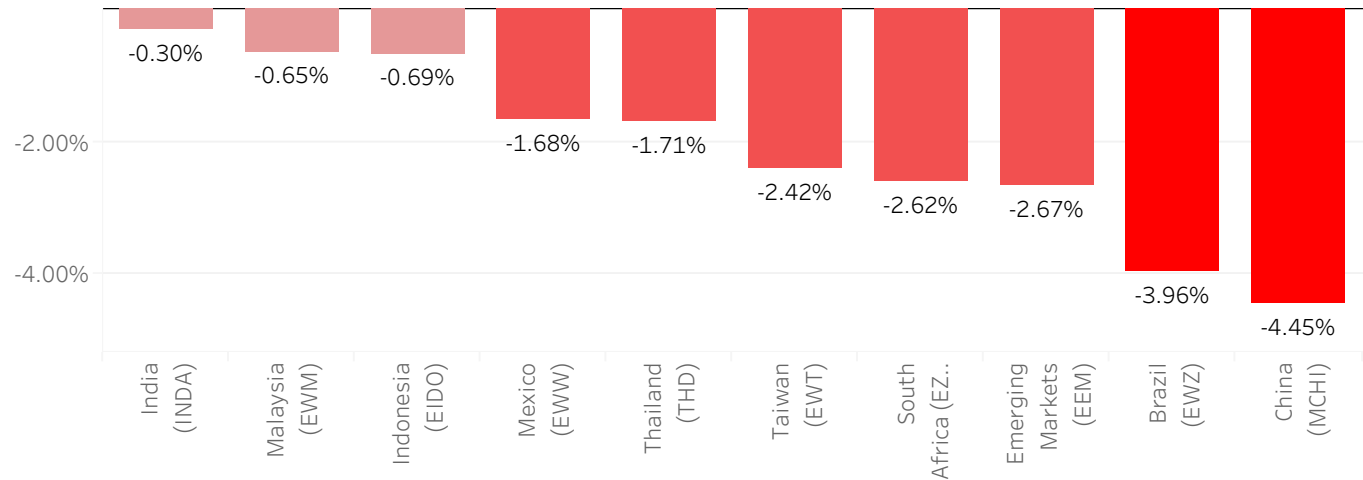
Ticker	Fund	Value
IMFL	Invesco International Developed Dynamic Multifact..	26.72
DTH	WisdomTree International High Dividend Fund	27.83
DFE	WisdomTree Europe SmallCap Dividend Fund	28.04
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	28.27
DWM	WisdomTree International Equity Fund	28.40
FDD	First Trust Stoxx European Select Dividend Index Fu..	28.44
DIM	WisdomTree International MidCap Dividend Fund	28.85
DOL	WisdomTree International LargeCap Dividend Fund	29.57
AIVI	WisdomTree International AI Enhanced Value Fund	29.76
FEP	First Trust Europe AlphaDEX Fund	29.96

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

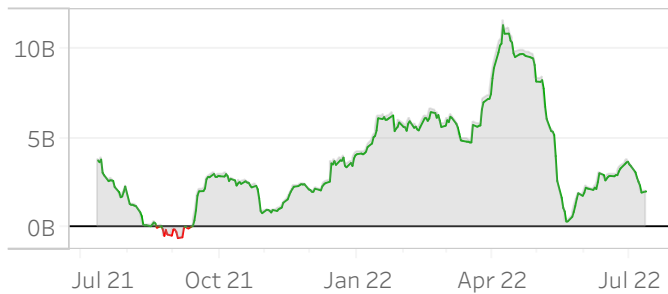
Emerging (EEM)



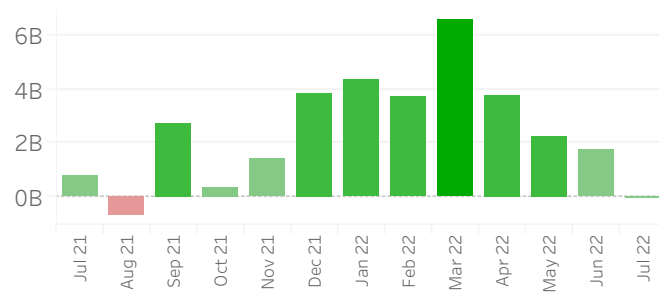
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
SMIN	iShares MSCI India Small Cap ETF	0.38%
EPI	WisdomTree India Earnings Fund	-0.07%
FLIN	Franklin FTSE India ETF	-0.08%
INDA	iShares MSCI India ETF	-0.30%
PIN	Invesco India ETF	-0.39%
KSA	iShares MSCI Saudi Arabia ETF	-0.53%
EPHE	iShares MSCI Philippines ETF	-0.58%
EWM	iShares MSCI Malaysia ETF	-0.65%
EIDO	iShares MSCI Indonesia ETF	-0.69%
INDY	iShares India 50 ETF	-0.69%

Emerging Most Overbought

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	53.36
FLIN	Franklin FTSE India ETF	50.55
INDA	iShares MSCI India ETF	50.32
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	50.03
RAYC	Rayliant Quantamental China Equity ETF	49.74
PIN	Invesco India ETF	49.74
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	49.48
CNYA	iShares MSCI China A ETF	49.36
INDY	iShares India 50 ETF	48.71
ECNS	iShares MSCI China Small-Cap ETF	47.67

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-7.28%
FNI	First Trust Chindia ETF	-5.46%
EWZS	iShares MSCI Brazil Small-Cap ETF	-4.83%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-4.71%
MCHI	iShares MSCI China ETF	-4.45%
FXI	iShares China Large-Cap ETF	-4.31%
FLBR	Franklin FTSE Brazil ETF	-4.18%
FLCH	Franklin FTSE China ETF	-4.03%
GXC	SPDR S&P China ETF	-3.99%
EWZ	iShares MSCI Brazil ETF	-3.96%

Emerging Most Oversold

Ticker	Fund	Value
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	25.95
EELV	Invesco S&P Emerging Markets Low Volatility ETF	27.39
PIE	Invesco DWA Emerging Markets Momentum ETF	28.03
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	28.24
DEM	WisdomTree Emerging Markets High Dividend Fund	28.50
EPU	iShares MSCI Peru ETF	30.54
FM	iShares MSCI Frontier and Select EM ETF	30.58
EIDO	iShares MSCI Indonesia ETF	30.58
FLBR	Franklin FTSE Brazil ETF	30.75
TUR	iShares MSCI Turkey ETF	30.89

*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	0.46%	0.62%	-9.98%
SHY	1-3 Year Treasury Bonds	0.04%	0.14%	-3.13%
IEF	7-10 Year Treasury Bonds	0.79%	1.70%	-10.43%
TLT	20+ Year Treasury Bonds	1.72%	0.79%	-22.02%
TIP	TIPS Bonds	0.16%	-2.34%	-8.77%
FLOT	Floating Rate Bonds	0.21%	-0.41%	-1.19%
LQD	Investment Grade Corporate	0.28%	0.39%	-15.37%
HYG	High Yield Corporate	-0.56%	-1.10%	-12.37%
BKLN	Senior Loan	-0.63%	-1.98%	-6.04%
PFF	Preferred & Income Securities	-0.33%	0.07%	-13.95%
MUB	Municipal Bonds	0.19%	0.45%	-7.25%
MBB	MBS	0.46%	0.61%	-8.46%
EMB	Dollar Denominated EM Bonds	-0.84%	-3.38%	-21.26%
LEMB	Local Currency EM Bond	-1.14%	-4.10%	-15.86%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.76%	-15.53%	20.17%
DBE	Energy	0.83%	-14.89%	49.88%
USO	WTI Crude Oil	-0.39%	-13.20%	43.91%
BNO	Brent Crude Oil	-0.37%	-10.39%	52.65%
UNG	Natural Gas	7.10%	-25.87%	76.38%
UGA	Gasoline	0.45%	-14.49%	61.74%
DBP	Precious Metals	-0.72%	-8.98%	-9.09%
GLD	Gold	-0.54%	-7.51%	-5.57%
SLV	Silver	-1.18%	-12.93%	-18.27%
PPLT	abrdn Physical Platin..	-2.50%	-10.90%	-10.04%
PALL	abrdn Physical Palla..	-1.03%	10.79%	12.49%
DBB	Base Metals	-3.04%	-16.36%	-16.85%
CPER	Copper	-2.87%	-20.70%	-24.11%
LD	Lead	3.38%	-9.79%	-13.14%
JJN	Nickel	0.92%	-20.12%	5.90%
JJU	Aluminum	-2.99%	-12.83%	-16.07%
JJT	Tin	1.38%	-24.48%	-31.55%
DBA	Agriculture	-0.64%	-8.00%	2.53%
CORN	Corn	-0.40%	-12.92%	16.39%
SOYB	Soybeans	0.19%	-10.00%	14.68%
WEAT	Wheat	-4.48%	-20.91%	18.27%
CANE	Sugar	-1.59%	-3.53%	1.09%
BAL	Cotton	-2.45%	-23.62%	0.27%
NIB	Cocoa	2.08%	-3.72%	-12.03%
JO	Coffee	-5.10%	-7.26%	-6.07%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	1.16%	3.84%	12.76%
UDN	Short Dollar	-1.28%	-3.84%	-12.10%
FXE	Euro	-1.32%	-4.59%	-12.19%
FXB	British Pound Sterling	-1.18%	-3.54%	-12.23%
FXF	Swiss Franc	-0.56%	0.52%	-7.69%
FXJ	Japanese Yen	-0.94%	-2.27%	-16.42%
FXC	Canadian Dollar	-0.35%	-1.75%	-2.94%
FXA	Australian Dollar	-1.81%	-4.66%	-7.59%

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