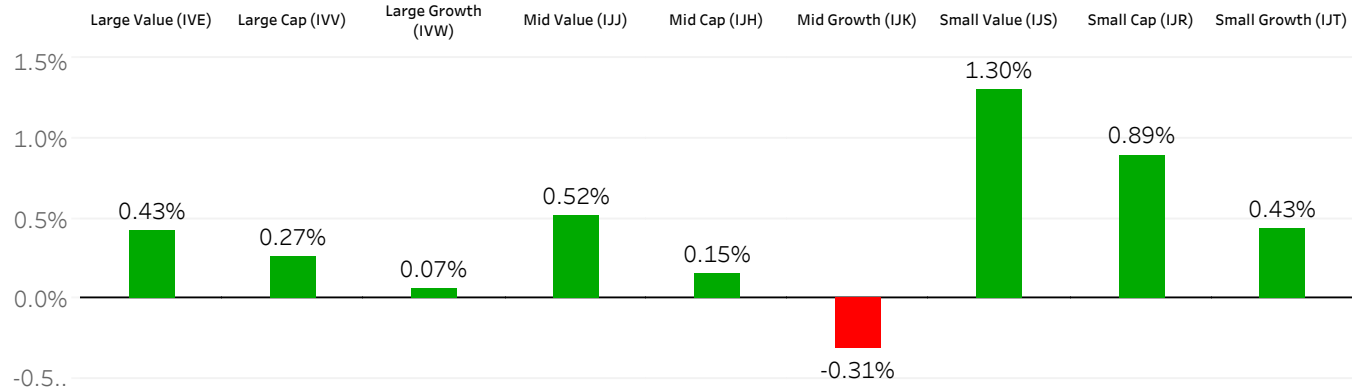


Large Cap Blend (S&P 500) IVV



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
RZV	Invesco S&P Smallcap 600 Pure Value ETF	1.88%
SPHB	Invesco S&P 500 High Beta ETF	1.52%
IJS	iShares S&P Small-Cap 600 Value ETF	1.30%
VIOV	Vanguard S&P Small-Cap 600 Value ETF	1.25%
XSMO	Invesco S&P SmallCap Momentum ETF	1.24%
XSVM	Invesco S&P SmallCap Value with Momen..	1.20%
SLYV	SPDR S&P 600 Small Cap Value ETF	1.19%
AVUV	Avantis U.S. Small Cap Value ETF	1.16%
SVAL	iShares US Small Cap Value Factor ETF	1.16%
PSC	Principal U.S. Small-Cap Multi-Factor ETF	1.13%

Size & Style Most Overbought

Ticker	Fund	Value
IWY	iShares Russell Top 200 Growth ETF	73.53
MGK	Vanguard Mega Cap Growth ETF	73.30
TMFC	Motley Fool 100 Index ETF	72.88
SPYG	SPDR Portfolio S&P 500 Growth ETF	72.76
IVW	iShares S&P 500 Growth ETF	72.68
SCHG	Schwab U.S. Large-Cap Growth ETF	72.24
ILCG	iShares Morningstar Growth ETF	72.23
IWF	iShares Russell 1000 Growth ETF	72.23
VOOG	Vanguard S&P 500 Growth ETF	72.21
VUG	Vanguard Growth ETF	72.04

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
GURU	Global X Guru Index ETF	-1.14%
ENTR	ERShares Entrepreneurs ETF	-0.99%
XMMO	Invesco S&P MidCap Momentum ETF	-0.83%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	-0.78%
JSMD	Janus Henderson Small/Mid Cap Growth ..	-0.75%
QQQN	VictoryShares Nasdaq Next 50 ETF	-0.74%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	-0.67%
JSML	Janus Henderson Small Cap Growth Alph..	-0.63%
QQXT	First Trust Nasdaq-100 Ex-Technology Se..	-0.62%
FFTY	Innovator IBD 50 ETF	-0.59%

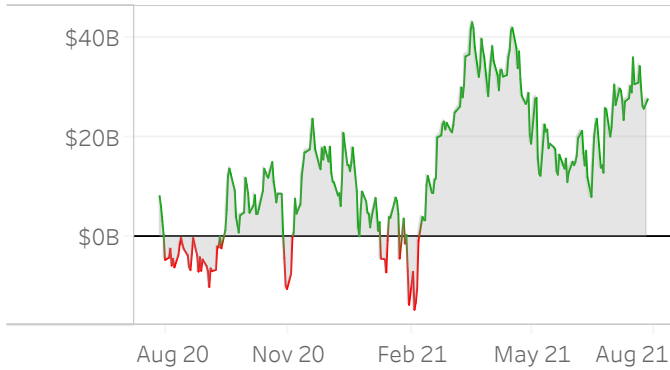
Size & Style Most Oversold

Ticker	Fund	Value
SPAK	Defiance Next Gen SPAC Derived ETF	35.40
IWC	iShares Micro-Cap ETF	43.19
PEY	Invesco High Yield Equity Dividend Achievers ETF	44.71
SMDV	ProShares Russell 2000 Dividend Growers ETF	44.95
VTWV	Vanguard Russell 2000 Value ETF	45.06
DUSA	Davis Select U.S. Equity ETF	45.10
DGRS	WisdomTree US Smallcap Quality Dividend Growth F..	45.11
IWN	iShares Russell 2000 Value ETF	45.29
RDIV	Invesco S&P Ultra Dividend Revenue ETF	45.33
CSB	VictoryShares US Small Cap High Dividend Volatility ..	45.35

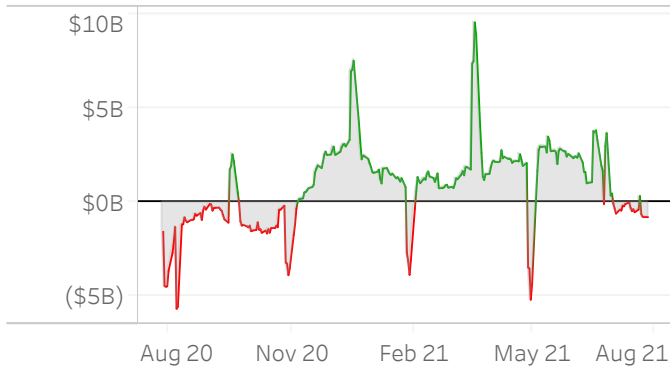
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

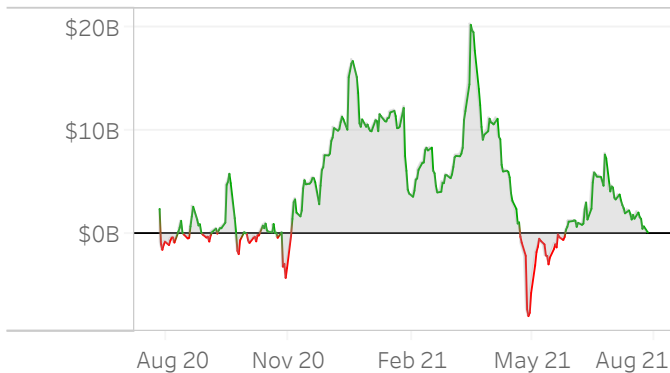
Large-Cap 30-Day Rolling Flows



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: Growth	10		\$0.90B	\$4.95B	\$4.57B	(\$3.43B)
Large Cap, Beta Growth, Beta: Value	10		\$0.23B	\$6.87B	\$19.27B	\$31.65B
Small Cap, Beta, Beta: Growth	7		\$0.06B	(\$0.29B)	\$0.05B	\$1.12B
Mid Cap, Beta, Beta: Value	6		(\$0.05B)	\$0.50B	\$2.52B	\$3.50B
Small Cap, Beta, Beta: Value	7		(\$0.13B)	\$0.07B	\$3.97B	\$9.13B
Mid Cap, Beta, Beta: Growth	6		(\$0.17B)	(\$0.82B)	(\$2.03B)	(\$2.50B)
Small Cap, Beta, Beta	12		(\$0.20B)	\$0.89B	\$4.15B	\$20.84B
Mid Cap, Beta, Beta	10		(\$0.93B)	\$0.69B	\$4.26B	\$7.19B
Large Cap, Beta Growth, Beta	24		(\$5.58B)	\$25.13B	\$59.15B	\$56.41B

U.S. Size & Style Flow Leaders

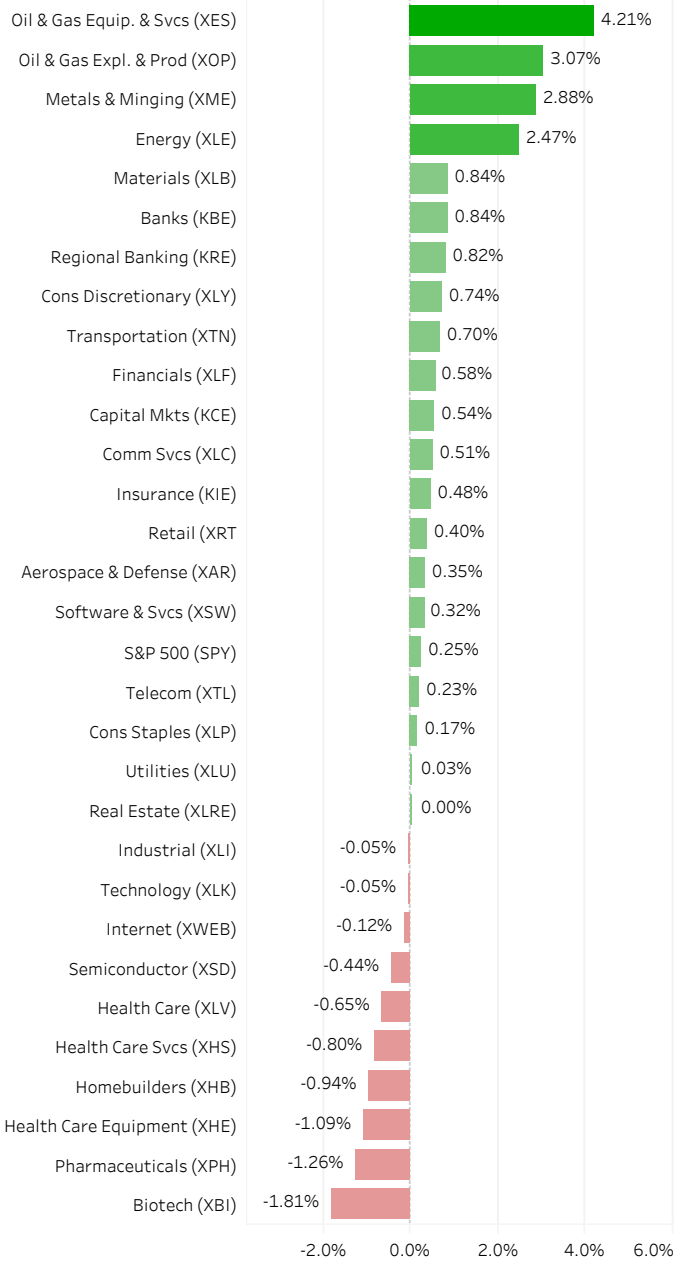
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$1.19B	\$1.65B	\$3.89B	\$5.16B	\$42.01B
IVV	iShares Core S&P 500 ETF	\$1.18B	\$3.53B	\$16.35B	\$16.51B	\$296.59B
ESGU	iShares ESG Aware MSCI USA ETF	\$1.05B	\$2.70B	\$4.85B	\$8.40B	\$20.49B
IWF	iShares Russell 1000 Growth ETF	\$0.62B	(\$0.30B)	(\$1.33B)	(\$4.90B)	\$73.23B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.33B	\$1.08B	\$2.04B	\$3.00B	\$11.49B
VIG	Vanguard Dividend Appreciation ETF	\$0.22B	\$0.87B	\$1.80B	\$3.96B	\$62.09B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.16B	(\$0.31B)	\$1.23B	\$1.17B	\$30.48B
VYM	Vanguard High Dividend Yield Index ETF	\$0.15B	\$1.08B	\$1.83B	\$3.54B	\$37.73B
SCHD	Schwab US Dividend Equity ETF	\$0.14B	\$3.61B	\$6.49B	\$9.29B	\$26.56B
VTV	Vanguard Value ETF	\$0.13B	\$4.79B	\$9.54B	\$15.27B	\$82.50B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.64B)	\$5.87B	\$6.23B	\$9.84B	\$182.65B
VXF	Vanguard Extended Market ETF	(\$1.52B)	\$0.80B	\$1.78B	\$3.16B	\$17.52B
VTI	Vanguard Total Stock Market ETF	(\$0.74B)	\$9.08B	\$19.83B	\$43.20B	\$260.36B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.68B)	(\$0.03B)	(\$0.40B)	\$1.62B	\$15.05B
PKW	Invesco Buyback Achievers ETF	(\$0.68B)	(\$0.69B)	(\$0.10B)	\$0.07B	\$1.18B
VO	Vanguard Mid-Cap ETF	(\$0.58B)	\$1.07B	\$2.21B	\$3.52B	\$50.55B
IWM	iShares Russell 2000 ETF	(\$0.19B)	(\$1.38B)	(\$1.83B)	\$5.77B	\$65.39B
IWN	iShares Russell 2000 Value ETF	(\$0.16B)	(\$0.81B)	\$0.55B	\$2.52B	\$15.31B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.14B)	\$0.05B	(\$0.02B)	\$0.30B	\$11.49B
VOO	Vanguard S&P 500 ETF	(\$0.14B)	\$11.25B	\$29.96B	\$31.90B	\$243.93B

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

S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
SPY	SPDR S&P 500 ETF Trust	0.00%	36.69%	3.58%	12.26%	64.84
XLC	Communication Services Select Sector SPDR Fund	0.00%	45.61%	4.86%	15.80%	67.19
XLP	Consumer Staples Select Sector SPDR Fund	0.00%	14.89%	1.57%	5.64%	64.57
XLY	Consumer Discretionary Select Sector SPDR Fund	0.00%	31.52%	5.05%	10.46%	66.26
XLK	Technology Select Sector SPDR Fund	-0.05%	39.56%	6.82%	15.41%	68.37
XLRE	Real Estate Select Sector SPDR Fund	-0.11%	36.72%	3.48%	16.67%	60.30
XLV	Health Care Select Sector SPDR Fund	-0.65%	28.84%	3.91%	11.24%	65.74
XLI	Industrial Select Sector SPDR Fund	-1.87%	38.32%	0.49%	9.62%	53.93
XLU	Utilities Select Sector SPDR Fund	-2.94%	15.05%	1.15%	3.07%	56.54
XLF	Financial Select Sector SPDR Fund	-5.20%	57.20%	-1.33%	11.68%	49.84
XLB	Materials Select Sector SPDR Fund	-7.06%	34.08%	-1.92%	6.68%	50.63
XLE	Energy Select Sector SPDR Fund	-11.51%	79.43%	-6.12%	8.95%	42.87

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	4.32%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	4.21%
PXI	Invesco DWA Energy Momentum ETF	4.03%
IEZ	iShares U.S. Oil Equipment & Services ETF	3.87%
AMZA	InfraCap MLP ETF	3.77%
PXE	Invesco Dynamic Energy Exploration & Production ..	3.66%
FCG	First Trust Natural Gas ETF	3.55%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	3.07%
XME	SPDR S&P Metals & Mining ETF	2.88%
FTXN	First Trust Nasdaq Oil & Gas ETF	2.82%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IETC	iShares Evolved US Technology ETF	71.88
IYW	iShares U.S. Technology ETF	70.96
IGM	iShares Expanded Tech Sector ETF	69.72
IGV	iShares Expanded Tech-Software Sector ETF	69.14
VGT	Vanguard Information Technology ETF	68.54
XLK	Technology Select Sector SPDR Fund	68.37
FTEC	Fidelity MSCI Information Technology Index ETF	68.15
XLC	Communication Services Select Sector SPDR Fund	67.19
FDN	First Trust Dow Jones Internet Index Fund	66.76
XLY	Consumer Discretionary Select Sector SPDR Fund	66.26

Sector & Industry 1 Day Performance Laggards

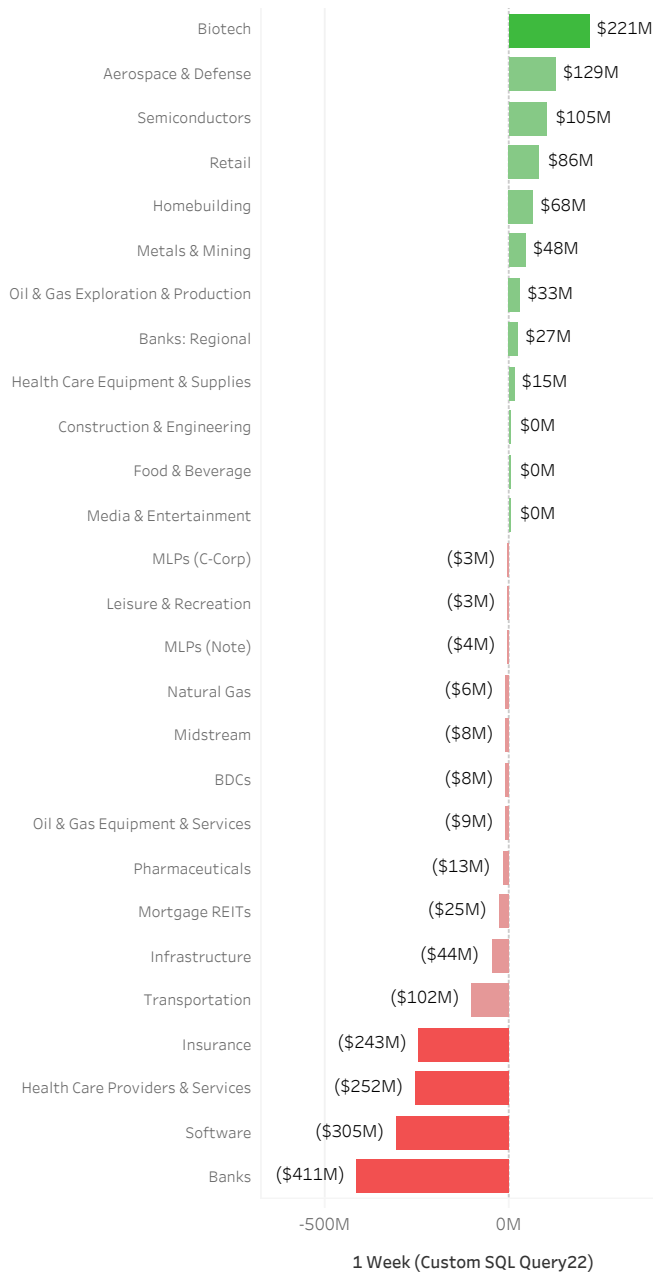
Ticker	Fund	1 Day Performance
IBBQ	Invesco Nasdaq Biotechnology ETF	-2.06%
IBB	iShares Biotechnology ETF	-1.89%
XBI	SPDR S&P BIOTECH ETF	-1.81%
PTH	Invesco DWA Healthcare Momentum ETF	-1.45%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-1.27%
XPH	SPDR S&P Pharmaceuticals ETF	-1.26%
PNQI	Invesco NASDAQ Internet ETF	-1.13%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-1.12%
IHF	iShares U.S. Healthcare Providers ETF	-1.11%
ITB	iShares U.S. Home Construction ETF	-1.10%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	35.61
FBT	First Trust NYSE Arca Biotechnology Index Fund	40.71
XES	SPDR S&P Oil & Gas Equipment & Services ETF	42.23
RYE	Invesco S&P 500 Equal Weight Energy ETF	42.34
IEZ	iShares U.S. Oil Equipment & Services ETF	42.40
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	42.45
PXI	Invesco DWA Energy Momentum ETF	42.58
XLE	Energy Select Sector SPDR Fund	42.87
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	43.08
KBWR	Invesco KBW Regional Banking ETF	43.26

* 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	\$21B	\$104M	\$553M	\$770M	\$671M
Consumer Discretionary	13	\$34B	(\$171M)	(\$770M)	\$1,078M	\$3,232M
Consumer Staples	12	\$21B	\$940M	\$1,835M	(\$680M)	(\$3,450M)
Energy	34	\$48B	\$78M	\$8M	\$7,266M	\$10,719M
Financials	28	\$73B	(\$231M)	(\$618M)	\$9,050M	\$19,389M
Health Care	25	\$89B	\$153M	\$3,278M	\$1,699M	\$1,015M
Industrial	14	\$37B	\$750M	(\$2,339M)	\$1,462M	\$7,224M
Materials	10	\$17B	(\$194M)	\$1,812M	\$4,268M	\$7,765M
Multi-Sector	16	\$25B	\$20M	(\$31M)	\$2,508M	\$4,039M
Real Estate	21	\$71B	\$156M	\$2,611M	\$6,847M	\$9,222M
Technology	24	\$139B	\$522M	\$1,159M	\$1,292M	\$430M
Utilities	10	\$19B	(\$84M)	(\$201M)	(\$467M)	(\$84M)

U.S. Sector & Industry Flow Leaders

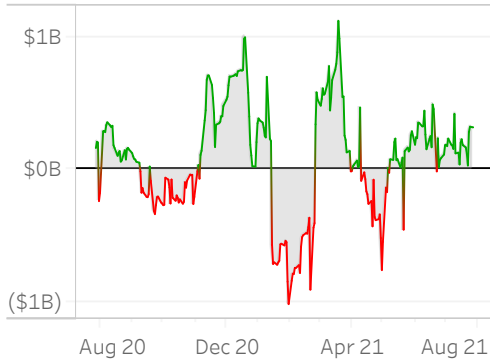
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	\$780M	\$1,873M	(\$320M)	(\$2,694M)	\$12,686M
XLI	Industrial Select Sector SPDR Fund	\$681M	(\$1,827M)	\$650M	\$4,260M	\$19,593M
XLF	Financial Select Sector SPDR Fund	\$675M	(\$1,113M)	\$3,070M	\$11,225M	\$39,217M
VGT	Vanguard Information Technology ETF	\$356M	\$1,484M	\$1,750M	\$1,570M	\$49,991M
XLK	Technology Select Sector SPDR Fund	\$321M	\$613M	\$111M	(\$1,440M)	\$44,813M
XLE	Energy Select Sector SPDR Fund	\$312M	\$179M	\$3,878M	\$7,756M	\$22,565M
XBI	SPDR S&P BIOTECH ETF	\$231M	(\$39M)	\$868M	\$516M	\$6,942M
XLV	Health Care Select Sector SPDR Fund	\$197M	\$3,918M	\$2,293M	\$2,113M	\$31,782M
VNQ	Vanguard Real Estate ETF	\$149M	\$2,518M	\$3,317M	\$5,148M	\$43,596M
VDC	Vanguard Consumer Staples ETF	\$143M	\$60M	(\$131M)	(\$523M)	\$5,758M

U.S. Sector & Industry Flow Laggards

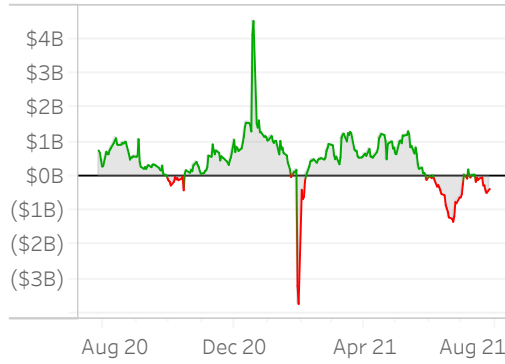
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	(\$426M)	(\$907M)	(\$1,436M)	(\$1,640M)	\$4,891M
IHF	iShares U.S. Healthcare Providers ETF	(\$255M)	\$9M	(\$90M)	(\$94M)	\$1,193M
KBWB	Invesco KBW Bank ETF	(\$251M)	(\$357M)	\$122M	\$841M	\$2,143M
KIE	SPDR S&P Insurance ETF	(\$243M)	\$45M	\$89M	(\$184M)	\$466M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$226M)	(\$1,311M)	(\$1,057M)	\$13M	\$19,804M
IYE	iShares U.S. Energy ETF	(\$176M)	\$185M	\$1,554M	\$1,600M	\$2,209M
KBE	SPDR S&P Bank ETF	(\$160M)	(\$859M)	(\$429M)	\$618M	\$2,859M
XLB	Materials Select Sector SPDR Fund	(\$140M)	\$836M	\$1,779M	\$3,890M	\$8,636M
IYR	iShares U.S. Real Estate ETF	(\$127M)	(\$1,337M)	\$669M	\$1,141M	\$5,580M
IAI	iShares U.S. Broker-Dealers & Securities Excha..	(\$115M)	\$331M	\$528M	\$597M	\$818M

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

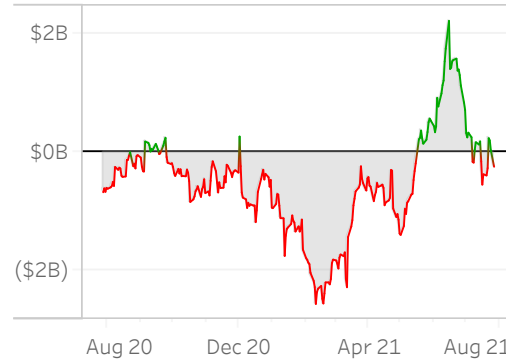
Communication Services



Consumer Discretionary



Consumer Staples



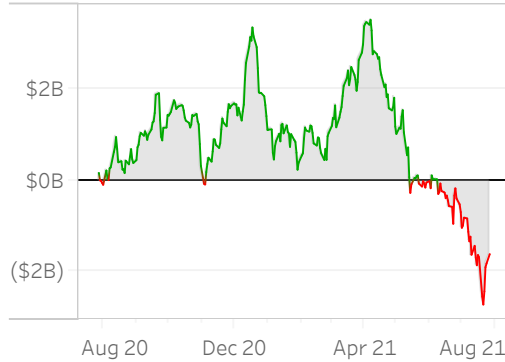
Energy



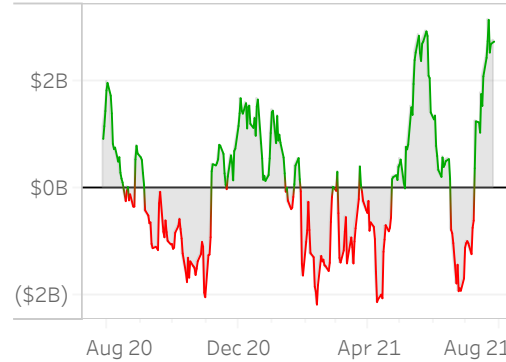
Financials



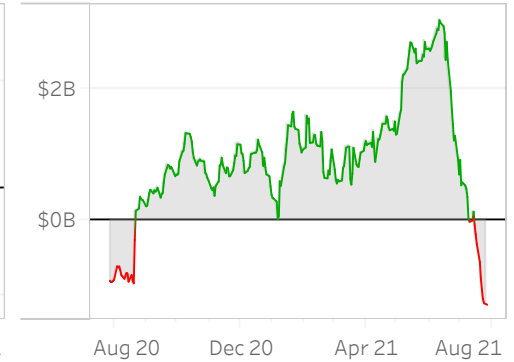
Industrial



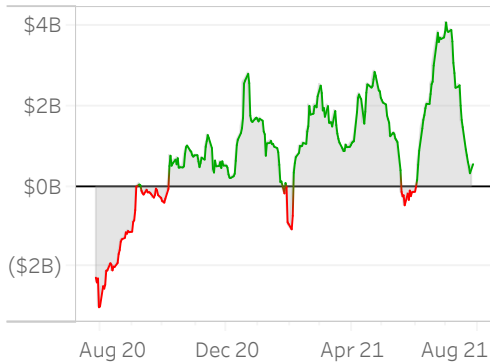
Health Care



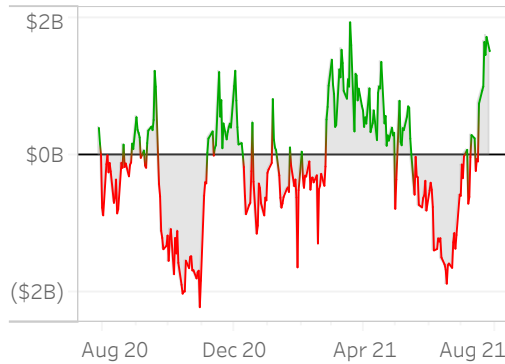
Materials



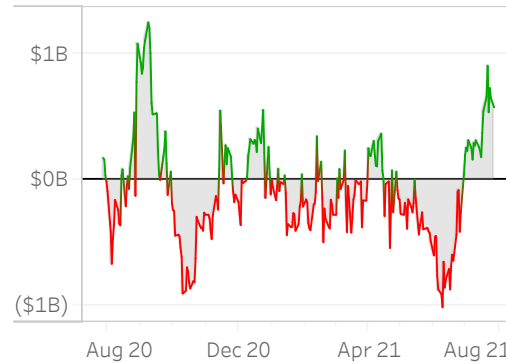
Real Estate



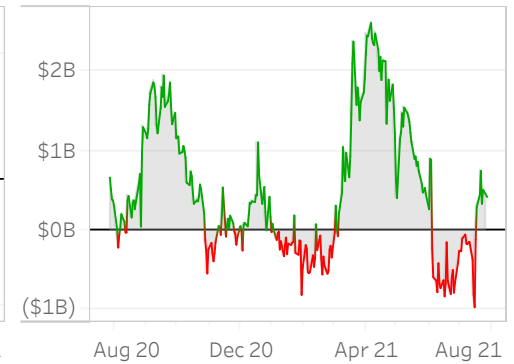
Technology



Utilities

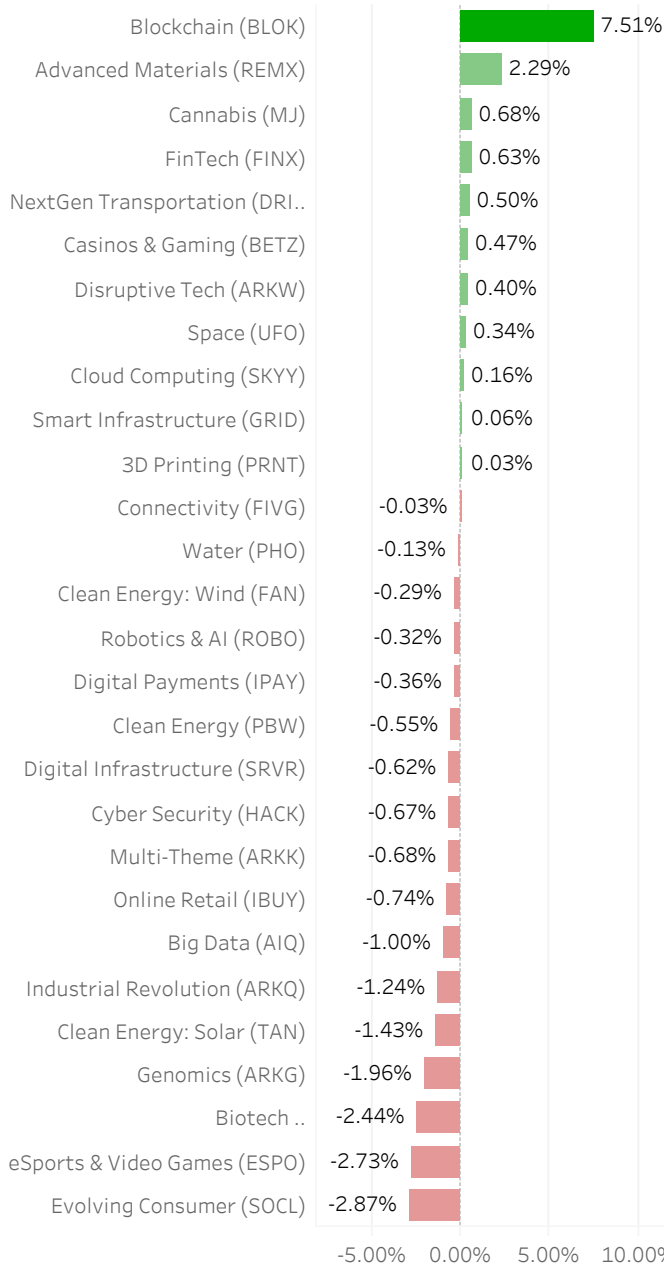


Multi-Sector

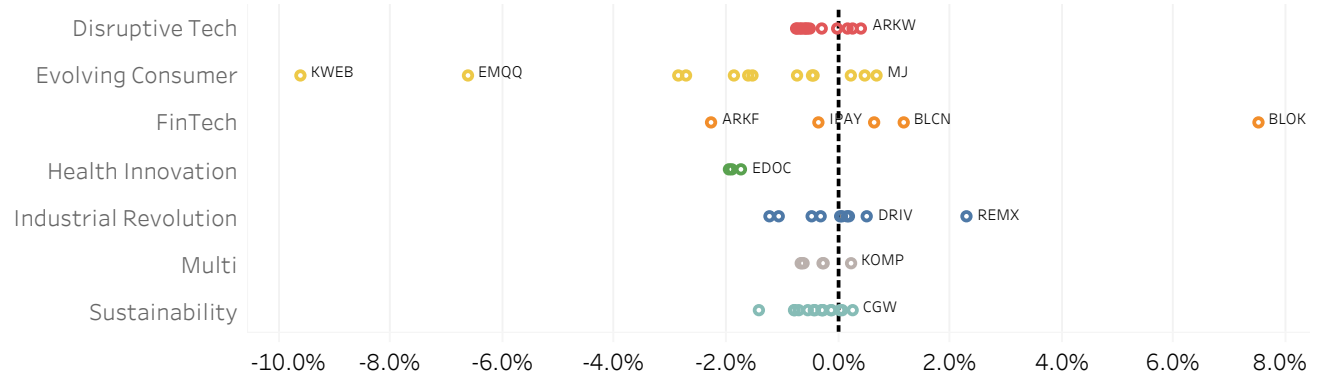


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
BLOK	Amplify Transformational Data Sharing ETF	7.51%
REMX	VanEck Vectors Rare Earth/Strategic Metals ETF	2.29%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	1.16%
POTX	Global X Cannabis ETF	0.96%
INCO	Columbia India Consumer ETF	0.70%
MJ	ETFMG Alternative Harvest ETF	0.68%
FINX	Global X FinTech ETF	0.63%
DRIV	Global X Autonomous & Electric Vehicles ETF	0.50%
MOON	Direxion Moonshot Innovators ETF	0.47%
BETZ	Roundhill Sports Betting & iGaming ETF	0.47%

Thematic Most Overbought

Ticker	Fund	Price
TECB	iShares U.S. Tech Breakthrough Multisector ETF	71.98
REMX	VanEck Vectors Rare Earth/Strategic Metals ETF	70.85
CIBR	First Trust NASDAQ Cybersecurity ETF	68.40
MILN	Global X Millennial Consumer ETF	66.55
PHO	Invesco Water Resources ETF	66.31
CGW	Invesco S&P Global Water Index ETF	66.27
PIO	Invesco Global Water ETF	65.89
PAWZ	ProShares Pet Care ETF	65.06
BUG	Global X Cybersecurity ETF	64.72
WCLD	WisdomTree Cloud Computing Fund	63.97

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
KWEB	KraneShares CSI China Internet ETF	-9.62%
EMQQ	Emerging Markets Internet & Ecommerce ETF	-6.63%
KEMQ	KraneShares Emerging Markets Consumer Tech..	-4.16%
KGRN	KraneShares MSCI China Clean Technology Index..	-2.90%
SOCL	Global X Social Media ETF	-2.87%
ESPO	VanEck Vectors Video Gaming & eSports ETF	-2.73%
GNOM	Global X Genomics & Biotechnology ETF	-2.70%
SBIO	ALPS Medical Breakthroughs ETF	-2.44%
ARKF	ARK Fintech Innovation ETF	-2.28%
BTEC	Principal Healthcare Innovators Index ETF	-2.22%

Thematic Most Oversold

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	18.58
EMQQ	Emerging Markets Internet & Ecommerce ETF	24.24
NERD	Roundhill BITKRAFT Esports & Digital Entertainmen..	24.48
KEMQ	KraneShares Emerging Markets Consumer Technolo..	26.45
EDOC	Global X Telemedicine & Digital Health ETF	31.08
POTX	Global X Cannabis ETF	31.92
MSOS	AdvisorShares Pure US Cannabis ETF	32.12
CNBS	Amplify Seymour Cannabis ETF	32.52
SBIO	ALPS Medical Breakthroughs ETF	33.18
MJ	ETFMG Alternative Harvest ETF	33.49

* 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	Flow
ARKK	ARK Innovation ETF	\$380M
KWEB	KraneShares CSI China Internet ETF	\$210M
LIT	Global X Lithium & Battery Tech ETF	\$153M
ARKW	ARK Next Generation Internet ETF	\$57M
ARKG	ARK Genomic Revolution ETF	\$51M
ICLN	iShares Global Clean Energy ETF	\$50M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$47M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$33M
BUG	Global X Cybersecurity ETF	\$19M
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	\$18M

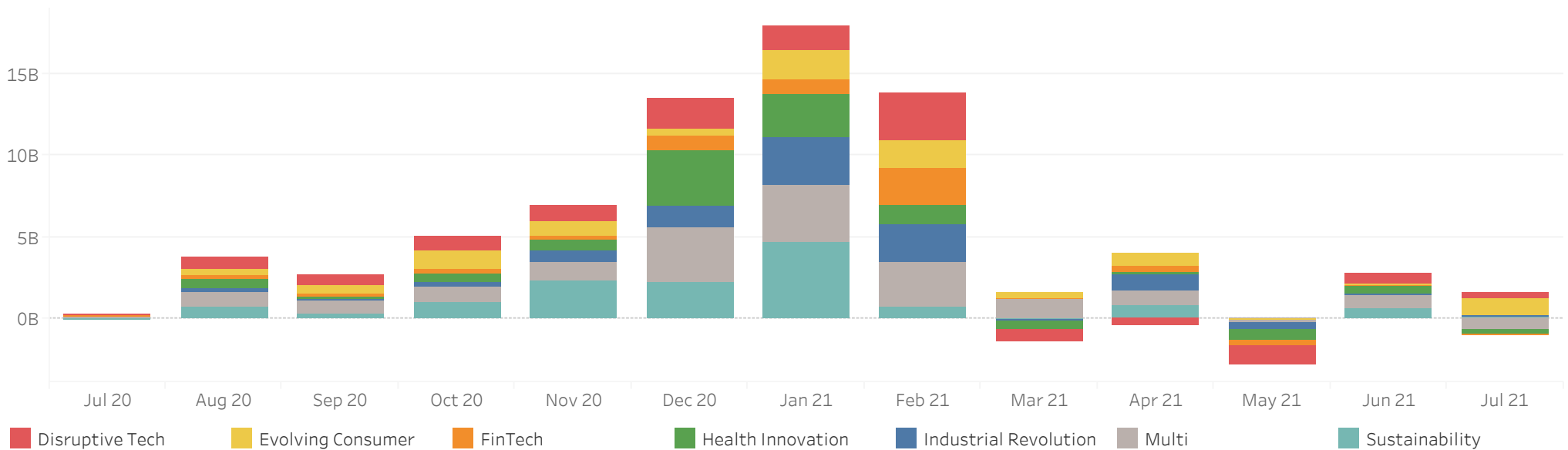
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
TAN	Invesco Solar ETF	(\$59M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$32M)
REMX	VanEck Vectors Rare Earth/Strategic Metals ETF	(\$29M)
ARKF	ARK Fintech Innovation ETF	(\$26M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$23M)
IBUY	Amplify Online Retail ETF	(\$18M)
BTEC	Principal Healthcare Innovators Index ETF	(\$17M)
BLOK	Amplify Transformational Data Sharing ETF	(\$16M)
GENY	Principal Millennials Index ETF	(\$16M)
MJ	ETFMG Alternative Harvest ETF	(\$13M)

Thematic Landscape Assets & Flows

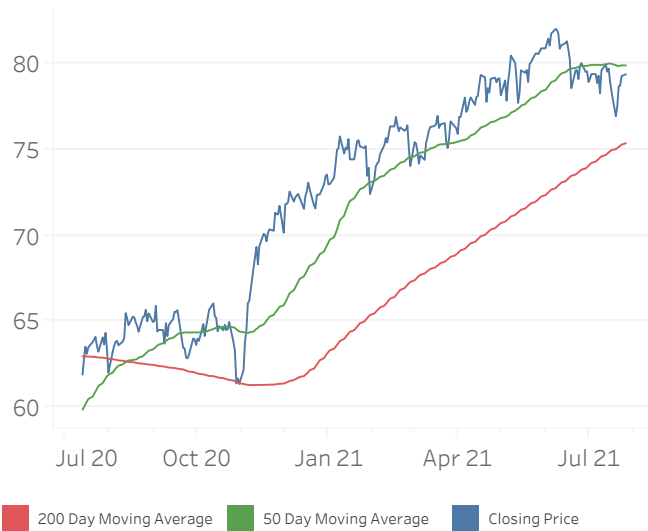
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$29B	\$115M	(\$429M)	\$1,703M	\$8,299M
Evolving Consumer	39	\$16B	\$155M	\$1,339M	\$4,263M	\$9,040M
FinTech	12	\$8B	(\$37M)	(\$285M)	\$2,503M	\$5,299M
Health Innovation	14	\$11B	(\$11M)	(\$388M)	\$398M	\$8,364M
Industrial Revolution	22	\$16B	\$113M	(\$234M)	\$3,039M	\$8,411M
Multi	24	\$31B	\$139M	(\$328M)	\$4,725M	\$15,523M
Sustainability	29	\$22B	\$76M	\$895M	\$2,257M	\$13,455M
Grand Total	169	\$133B	\$549M	\$569M	\$18,888M	\$68,391M

Thematic Monthly Flows

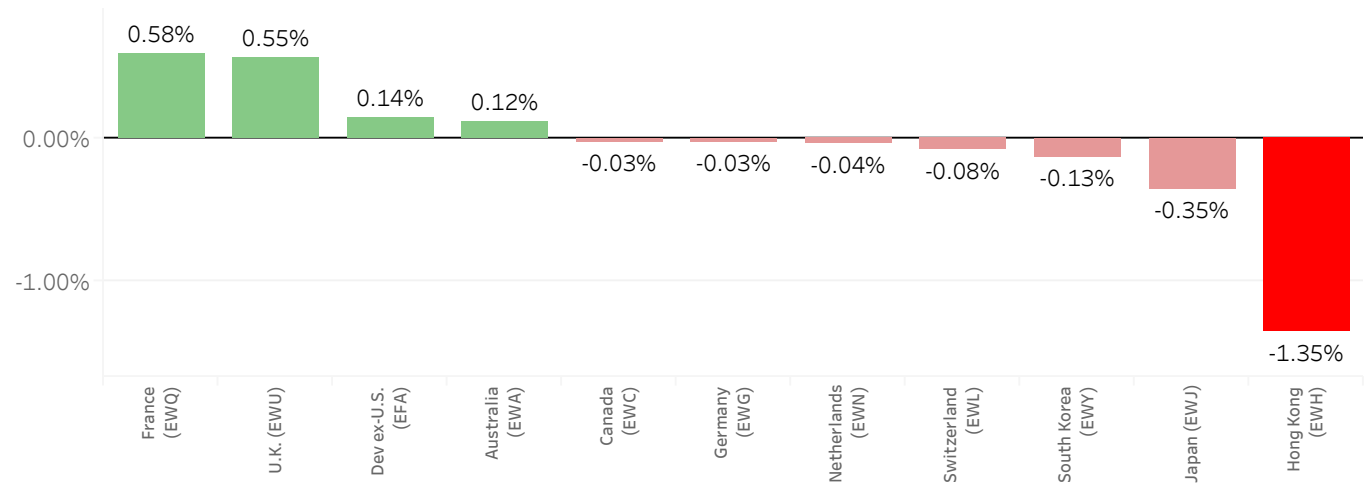


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

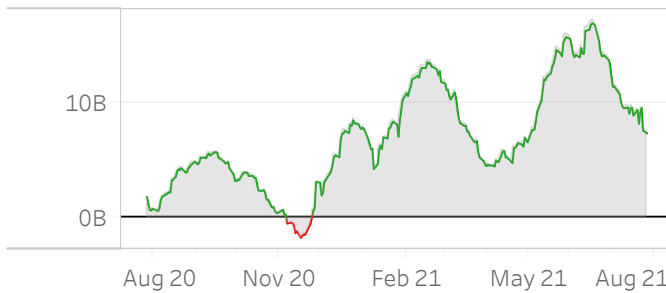
Developed ex-U.S. (EFA)



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



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



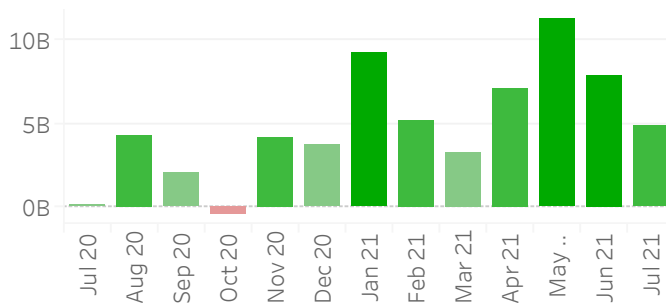
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWO	iShares MSCI Austria ETF	1.71%
DFE	WisdomTree Europe SmallCap Dividend Fund	1.43%
EWD	iShares MSCI Sweden ETF	1.16%
EWI	iShares MSCI Italy ETF	1.09%
IEUS	iShares MSCI Europe Small-Cap ETF	1.09%
IMOM	Alpha Architect International Quantitative Moment..	1.01%
FEP	First Trust Europe AlphaDEX Fund	0.97%
EWP	iShares MSCI Spain ETF	0.94%
IDV	iShares International Select Dividend ETF	0.84%
AVDV	Avantis International Small Cap Value ETF	0.84%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
PIZ	Invesco DWA Developed Markets Momentum ETF	65.55
EFAD	ProShares MSCI EAFE Dividend Growers ETF	63.52
TOK	iShares MSCI Kokusai ETF	63.51
IMOM	Alpha Architect International Quantitative Moment..	62.89
EWD	iShares MSCI Sweden ETF	61.88
FSZ	First Trust Switzerland AlphaDEX Fund	60.42
RFDI	First Trust Riverfront Dynamic Developed Internati..	60.11
IHDG	WisdomTree International Hedged Quality Dividen..	59.51
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	58.86
EWN	iShares MSCI Netherlands ETF	58.65

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
AIA	iShares Asia 50 ETF	-3.53%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-2.48%
EWH	iShares MSCI Hong Kong ETF	-1.35%
ENZL	iShares MSCI New Zealand ETF	-0.76%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.54%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.52%
EFG	iShares MSCI EAFE Growth ETF	-0.45%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.40%
HFXI	IQ 50 Percent Hedged FTSE International ETF	-0.38%
EDEN	iShares MSCI Denmark ETF	-0.37%

Developed ex-U.S. Most Oversold

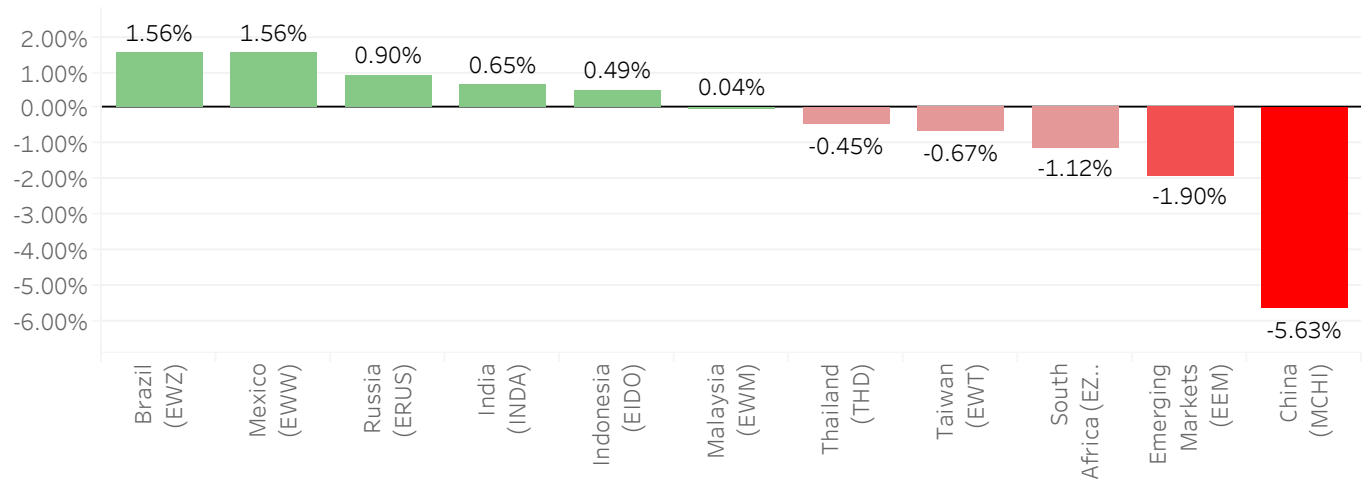
Ticker	Fund	Price
AIA	iShares Asia 50 ETF	28.71
AAXJ	iShares MSCI All Country Asia ex Japan ETF	28.98
EWH	iShares MSCI Hong Kong ETF	41.32
GREK	Global X MSCI Greece ETF	43.13
FLKR	Franklin FTSE South Korea ETF	43.84
EWH	iShares MSCI South Korea ETF	44.15
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	46.27
EPP	iShares MSCI Pacific ex-Japan ETF	46.60
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	47.27
FIDI	Fidelity International High Dividend ETF	47.48

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

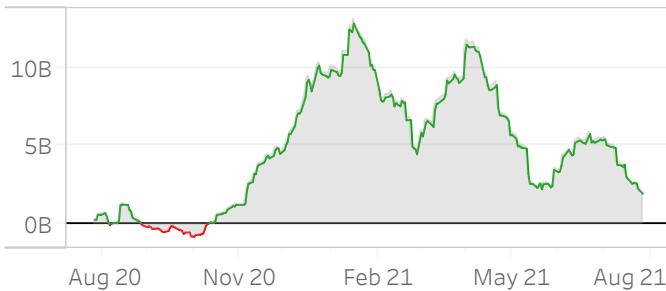
Emerging (EEM)



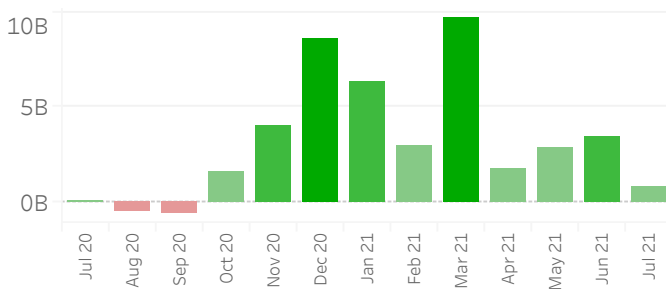
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWZ	iShares MSCI Brazil ETF	1.56%
EWW	iShares MSCI Mexico ETF	1.56%
KSA	iShares MSCI Saudi Arabia ETF	1.55%
ILF	iShares Latin America 40 ETF	1.50%
FLBR	Franklin FTSE Brazil ETF	1.47%
RSX	VanEck Vectors Russia ETF	1.14%
SMIN	iShares MSCI India Small Cap ETF	1.05%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.02%
ERUS	iShares MSCI Russia ETF	0.90%
GLIN	VanEck Vectors India Growth Leaders ETF	0.90%

Emerging Most Overbought

Ticker	Fund	Price
GLIN	VanEck Vectors India Growth Leaders ETF	71.59
SMIN	iShares MSCI India Small Cap ETF	67.09
EPI	WisdomTree India Earnings Fund	60.81
PIN	Invesco India ETF	59.10
INDA	iShares MSCI India ETF	58.62
EWW	iShares MSCI Mexico ETF	57.36
NFTY	First Trust India NIFTY 50 Equal Weight ETF	55.97
KSA	iShares MSCI Saudi Arabia ETF	55.57
INDY	iShares India 50 ETF	55.33
EEMS	iShares MSCI Emerging Markets Small Cap ETF	52.51

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-6.92%
CXSE	WisdomTree China ex-State-Owned Enterpris..	-6.22%
MCHI	iShares MSCI China ETF	-5.63%
FLCH	Franklin FTSE China ETF	-5.47%
FXI	iShares China Large-Cap ETF	-5.35%
GXC	SPDR S&P China ETF	-5.32%
ECNS	iShares MSCI China Small-Cap ETF	-4.56%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-3.62%
KBA	KraneShares Boser MSCI China A Share ETF	-3.60%
FNI	First Trust Chindia ETF	-3.59%

Emerging Most Oversold

Ticker	Fund	Price
MCHI	iShares MSCI China ETF	23.95
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	24.18
GXC	SPDR S&P China ETF	24.19
FLCH	Franklin FTSE China ETF	24.53
PGJ	Invesco Golden Dragon China ETF	24.59
FXI	iShares China Large-Cap ETF	25.17
THD	iShares MSCI Thailand ETF	26.00
BKF	iShares MSCI BRIC ETF	26.76
EPHE	iShares MSCI Philippines ETF	27.23
FNI	First Trust Chindia ETF	28.38

* 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	-0.09%	1.22%	-0.86%
SHY	1-3 Year Treasury Bonds	-0.02%	0.15%	-0.04%
IEF	7-10 Year Treasury Bonds	-0.07%	2.03%	-1.96%
TLT	20+ Year Treasury Bonds	-0.30%	4.40%	-5.38%
TIP	TIPS Bonds	0.43%	2.72%	3.88%
FLOT	Floating Rate Bonds	-0.02%	-0.03%	0.36%
LQD	Investment Grade Corporate	-0.22%	1.68%	-0.77%
HYG	High Yield Corporate	-0.15%	0.21%	2.68%
BKLN	Senior Loan	-0.09%	-0.03%	0.99%
PFF	Preferred & Income Securities	-0.10%	0.37%	4.09%
MUB	Municipal Bonds	0.09%	0.91%	1.49%
MBB	MBS	-0.06%	0.54%	-0.55%
EMB	Dollar Denominated EM Bonds	-0.28%	0.51%	-1.21%
LEMB	Local Currency EM Bond	0.02%	-1.03%	-4.51%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.19%	5.27%	27.72%
DBE	Energy	0.64%	0.13%	44.93%
USO	WTI Crude Oil	0.40%	-1.15%	50.47%
BNO	Brent Crude Oil	0.63%	-1.08%	49.07%
UNG	Natural Gas	1.21%	15.58%	54.78%
UGA	Gasoline	1.07%	1.97%	51.50%
DBP	Precious Metals	-0.20%	0.03%	-6.31%
GLD	Gold	-0.24%	0.94%	-5.72%
SLV	Silver	0.04%	-3.39%	-4.92%
PPLT	Platinum	0.67%	-3.41%	-0.82%
PALL	Palladium	-0.35%	1.23%	8.37%
DBB	Base Metals	1.13%	2.74%	19.35%
CPER	Copper	3.53%	6.71%	29.53%
LD	Lead	-0.57%	6.94%	19.30%
JJN	Nickel	2.04%	7.03%	18.13%
JJU	Aluminum	-0.26%	0.29%	24.40%
JJT	Tin	1.73%	13.86%	92.30%
DBA	Agriculture	2.34%	8.08%	19.39%
CORN	Corn	1.15%	5.42%	29.91%
SOYB	Soybeans	1.04%	6.35%	19.57%
WEAT	Wheat	-0.15%	5.35%	8.24%
CANE	Sugar	1.96%	6.76%	30.96%
BAL	Cotton	-0.10%	2.67%	9.87%
NIB	Cocoa	3.57%	0.44%	-7.85%
JO	Coffee	8.78%	31.88%	56.35%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.32%	0.85%	2.72%
UDN	Short Dollar	0.33%	-1.03%	-3.49%
FXE	Euro	0.29%	-1.19%	-3.90%
FXB	British Pound Sterling	0.53%	-0.55%	0.86%
FXF	Swiss Franc	0.40%	-0.04%	-4.03%
FXJ	Japanese Yen	0.17%	0.29%	-6.79%
FXC	Canadian Dollar	0.21%	-2.00%	1.19%
FXA	Australian Dollar	0.18%	-2.83%	-4.50%

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

Disclaimer of Warranties

Except for the express warranties set forth in the terms of service, all services, including all ETF Action materials, are provided on an “as is,” “where is” basis, and ETF Action and its licensors disclaim all representations or warranties, express or implied as to the services. ETF Action and its licensors specifically disclaim all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and all warranties arising from course of dealing, usage or trade practice. Without limiting the foregoing, ETF Action and its licensors make no warranty of any kind that the services or ETF Action materials, or any products or results of the use thereof, will meet customer’s or any other person’s requirements, operate without interruption, achieve any intended result, be compatible or work with any software, system or other services, or be secure, accurate, complete, timely, free of harmful code or error free. All third-party materials are provided “as is” and any representation or warranty of or concerning any third-party materials is strictly between customer and the third-party owner or distributor of the third-party materials.

Additional Disclaimers

The services are not intended and should not be construed as financial or investment advice, a recommendation or promotion. Neither ETF Action nor its licensors shall be responsible for investment decisions, damages, or other losses resulting from use of the services. Past performance does not guarantee future performance. Neither ETF Action nor its licensors shall be considered an “expert” under the securities act of 1933. Neither ETF Action nor its licensors warrant that the services comply with the requirements of the NASD or any similar organization or with the securities laws of any jurisdiction. Any information contained in in the services should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Distribution prohibited without prior permission. Full terms of service, including terms of use, copyrights, and disclaimers are available at <https://www.etfaction.com/terms>.

© Copyright ETF Action, Inc. All Rights Reserved.

Data Reliability and Definitions

ETF Action, LLC believes the information herein to be accurate (at time of publication) and was obtained from reliable sources, but makes no guarantees with respect to its accuracy. Calculations of fundamental data are based on weighted averages of reported results and consensus estimates of current ETF constituents. Valuation data (price/earnings, price/sales, price/cash flow, price/book value) are calculated using per share data divided by current NAV of corresponding ETF. Performance, risk and technical data (moving averages, relative performance, RSI) calculated for specified periods using ETF market price which may differ from net asset value (NAV).

ETF Action Sector Beta Composites represent ETFs that meet stringent criteria surrounding index methodology, liquidity, assets under management, and management fee.

Source Data & ETF Issuer Information

[FactSet Research Systems](#)

ETF Action is an independent technology and research firm focused on helping advisors build better portfolios, create engaging experiences with their clients, and navigate the vast ETF landscape.

Contact us at:

team@etfaction.com

www.etfaction.com