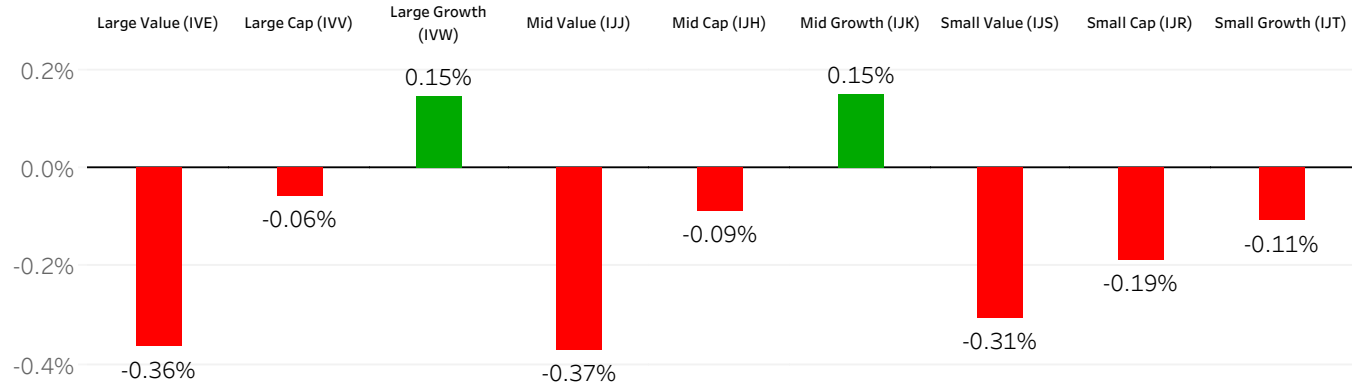


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



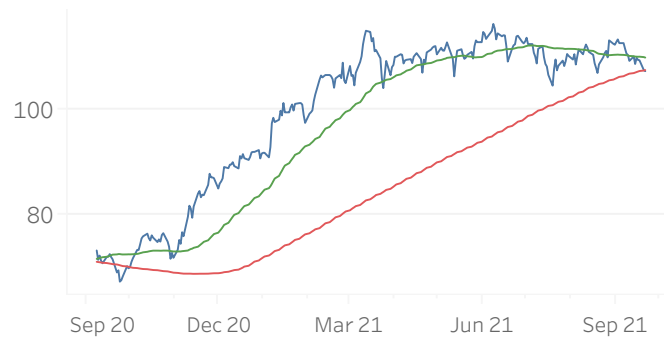
Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	1.61%
FFTY	Innovator IBD 50 ETF	1.48%
MFMS	Motley Fool Small-Cap Growth ETF	1.28%
FAD	First Trust Multi Cap Growth AlphaDEX Fund	1.09%
PSC	Principal U.S. Small-Cap Multi-Factor ETF	1.05%
AIEQ	AI Powered Equity ETF	1.01%
PSET	Principal Quality ETF	0.87%
FPX	First Trust US Equity Opportunities ETF	0.85%
GURU	Global X Guru Index ETF	0.82%
VTWG	Vanguard Russell 2000 Growth ETF	0.75%

Size & Style Most Overbought

Ticker	Fund	Price
FFTY	Innovator IBD 50 ETF	57.90
IPO	Renaissance IPO ETF	56.04
MFMS	Motley Fool Small-Cap Growth ETF	48.74
MMLG	First Trust Multi-Manager Large Growth ETF	48.21
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	46.94
AIEQ	AI Powered Equity ETF	46.26
VBK	Vanguard Small-Cap Growth ETF	46.04
GURU	Global X Guru Index ETF	45.61
RFG	Invesco S&P Midcap 400 Pure Growth ETF	45.57
RPG	Invesco S&P 500 Pure Growth ETF	44.76

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
CSD	Invesco S&P Spin-Off ETF	-1.14%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-0.70%
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	-0.65%
SDOG	ALPS Sector Dividend Dogs ETF	-0.63%
RPV	Invesco S&P 500 Pure Value ETF	-0.62%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-0.62%
VEGN	US Vegan Climate ETF	-0.57%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-0.52%
VLUE	iShares MSCI USA Value Factor ETF	-0.51%
WBIY	WBI Power Factor High Dividend ETF	-0.50%

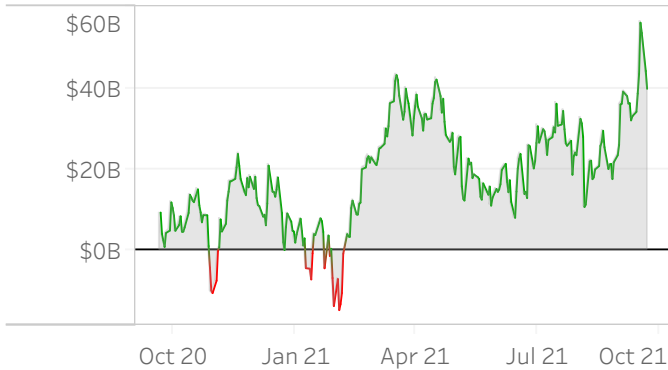
Size & Style Most Oversold

Ticker	Fund	Price
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	25.60
CSB	VictoryShares US Small Cap High Dividend Volatility ..	26.14
SDY	SPDR S&P Dividend ETF	27.11
WBIY	WBI BullBear Value 3000 ETF	28.03
VIG	Vanguard Dividend Appreciation ETF	28.19
RDIV	Invesco S&P Ultra Dividend Revenue ETF	28.23
TPHD	Timothy Plan High Dividend Stock ETF	28.23
FLQL	Franklin LibertyQ U.S. Equity ETF	28.33
PFM	Invesco Dividend Achievers ETF	28.50
ABEQ	Absolute Core Strategy ETF	28.50

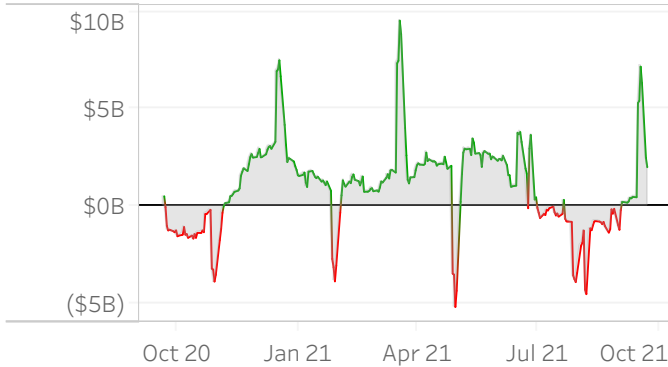
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

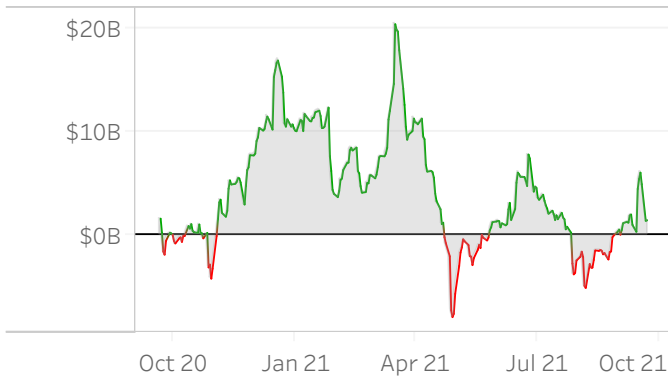
Large-Cap 30-Day Rolling Flows



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
Small Cap, Beta, Beta: Value	7	\$54B	(\$0.03B)	(\$1.53B)	\$0.32B	\$8.85B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.15B)	(\$0.96B)	\$1.39B	\$3.76B
Large Cap, Beta Growth, Beta: Value	10	\$194B	(\$0.32B)	\$2.01B	\$13.12B	\$31.23B
Large Cap, Beta Growth, Beta	24	\$1,252B	(\$0.90B)	\$52.55B	\$69.64B	\$92.18B
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.91B)	\$0.59B	(\$0.75B)	\$1.70B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$0.92B)	\$0.27B	(\$1.41B)	(\$2.25B)
Mid Cap, Beta, Beta	10	\$182B	(\$2.26B)	\$0.95B	\$2.21B	\$8.73B
Large Cap, Beta Growth, Beta: Growth	10	\$256B	(\$2.86B)	\$8.38B	\$9.59B	\$3.80B
Small Cap, Beta, Beta	12	\$208B	(\$3.48B)	(\$1.00B)	(\$1.81B)	\$22.26B

U.S. Size & Style Flow Leaders

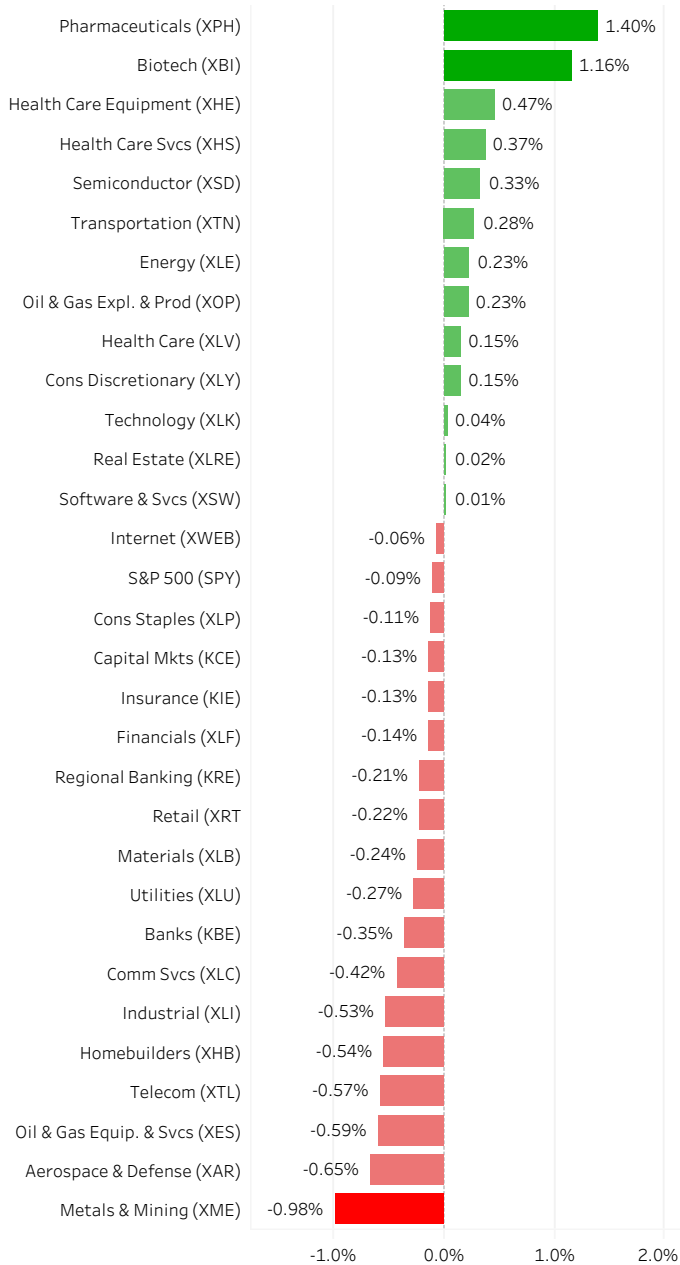
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.58B	\$5.81B	\$9.87B	\$16.74B	\$297.53B
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	\$1.04B	\$1.28B	\$1.68B	\$2.01B	\$9.76B
VOO	Vanguard S&P 500 ETF	\$0.90B	\$13.21B	\$22.60B	\$37.63B	\$248.59B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.26B	(\$0.50B)	(\$0.62B)	(\$0.03B)	\$20.46B
VIG	Vanguard Dividend Appreciation ETF	\$0.22B	\$1.38B	\$2.63B	\$4.15B	\$61.45B
IWF	iShares Russell 1000 Growth ETF	\$0.17B	\$1.45B	(\$0.11B)	(\$2.39B)	\$72.88B
SCHD	Schwab US Dividend Equity ETF	\$0.17B	\$1.93B	\$5.87B	\$10.02B	\$27.28B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$0.12B	(\$0.03B)	\$0.41B	\$1.76B	\$8.47B
IWN	iShares Russell 2000 Value ETF	\$0.11B	(\$0.81B)	(\$1.18B)	\$2.31B	\$15.18B
IUSG	iShares Core S&P U.S. Growth ETF	\$0.10B	\$0.25B	\$0.23B	\$0.16B	\$12.40B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VUG	Vanguard Growth ETF	(\$2.93B)	\$1.81B	\$3.97B	\$4.53B	\$84.22B
VO	Vanguard Mid-Cap ETF	(\$2.49B)	\$1.70B	\$1.34B	\$4.80B	\$52.29B
VTI	Vanguard Total Stock Market ETF	(\$2.30B)	\$11.26B	\$22.69B	\$46.45B	\$265.57B
IWM	iShares Russell 2000 ETF	(\$1.90B)	(\$3.12B)	(\$5.32B)	\$5.83B	\$62.85B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$1.85B)	(\$1.35B)	(\$1.10B)	(\$0.26B)	\$27.96B
VB	Vanguard Small-Cap ETF	(\$1.67B)	\$1.28B	\$1.69B	\$6.18B	\$47.13B
VBK	Vanguard Small-Cap Growth ETF	(\$0.92B)	\$0.50B	(\$0.11B)	\$1.40B	\$16.38B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.88B)	\$0.33B	(\$0.24B)	\$0.49B	\$11.83B
QQQ	Invesco QQQ Trust	(\$0.74B)	\$8.46B	\$13.86B	\$14.30B	\$187.07B
VTV	Vanguard Value ETF	(\$0.31B)	\$1.51B	\$7.73B	\$15.22B	\$82.37B

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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)
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.63%	25.84%	-0.90%	4.05%	41.52
XLP	Consumer Staples Select Sector SPDR Fund	-3.89%	12.64%	-2.19%	1.80%	33.16
XLV	Health Care Select Sector SPDR Fund	-4.02%	29.21%	-1.36%	7.19%	36.95
SPY	SPDR S&P 500 ETF Trust	-4.32%	32.80%	-2.11%	5.41%	31.76
XLK	Technology Select Sector SPDR Fund	-4.55%	37.51%	-1.74%	8.08%	34.90
XLRE	Real Estate Select Sector SPDR Fund	-5.03%	36.20%	-1.16%	10.56%	40.04
XLC	Communication Services Select Sector SPDR Fund	-5.88%	37.88%	-2.67%	5.85%	30.71
XLU	Utilities Select Sector SPDR Fund	-6.38%	12.41%	-2.97%	1.50%	31.35
XLF	Financial Select Sector SPDR Fund	-6.41%	54.60%	-2.61%	4.61%	35.18
XLI	Industrial Select Sector SPDR Fund	-6.81%	31.35%	-4.64%	0.07%	29.32
XLB	Materials Select Sector SPDR Fund	-10.66%	27.91%	-5.29%	-1.48%	25.91
XLE	Energy Select Sector SPDR Fund	-15.73%	70.88%	-2.74%	-2.30%	43.42

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PTH	Invesco DWA Healthcare Momentum ETF	1.73%
PBE	Invesco Dynamic Biotechnology & Genome ETF	1.41%
XPH	SPDR S&P Pharmaceuticals ETF	1.40%
KBWP	Invesco KBW Property & Casualty Insurance ETF	1.26%
FBT	First Trust NYSE Arca Biotechnology Index Fund	1.18%
XBI	SPDR S&P BIOTECH ETF	1.16%
PSL	Invesco DWA Consumer Staples Momentum ETF	1.14%
BIZD	VanEck BDC Income ETF	1.07%
FTXL	First Trust Nasdaq Semiconductor ETF	1.01%
IBBQ	Invesco Nasdaq Biotechnology ETF	0.98%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FBT	First Trust NYSE Arca Biotechnology Index Fund	53.19
PXI	Invesco DWA Energy Momentum ETF	52.43
FCG	First Trust Natural Gas ETF	52.38
FTXL	First Trust Nasdaq Semiconductor ETF	51.87
IHI	iShares U.S. Medical Devices ETF	51.79
PXE	Invesco Dynamic Energy Exploration & Production ETF	51.76
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	51.40
PBE	Invesco Dynamic Biotechnology & Genome ETF	51.14
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	50.95
PSI	Invesco Dynamic Semiconductors ETF	50.87

Sector & Industry 1 Day Performance Laggards

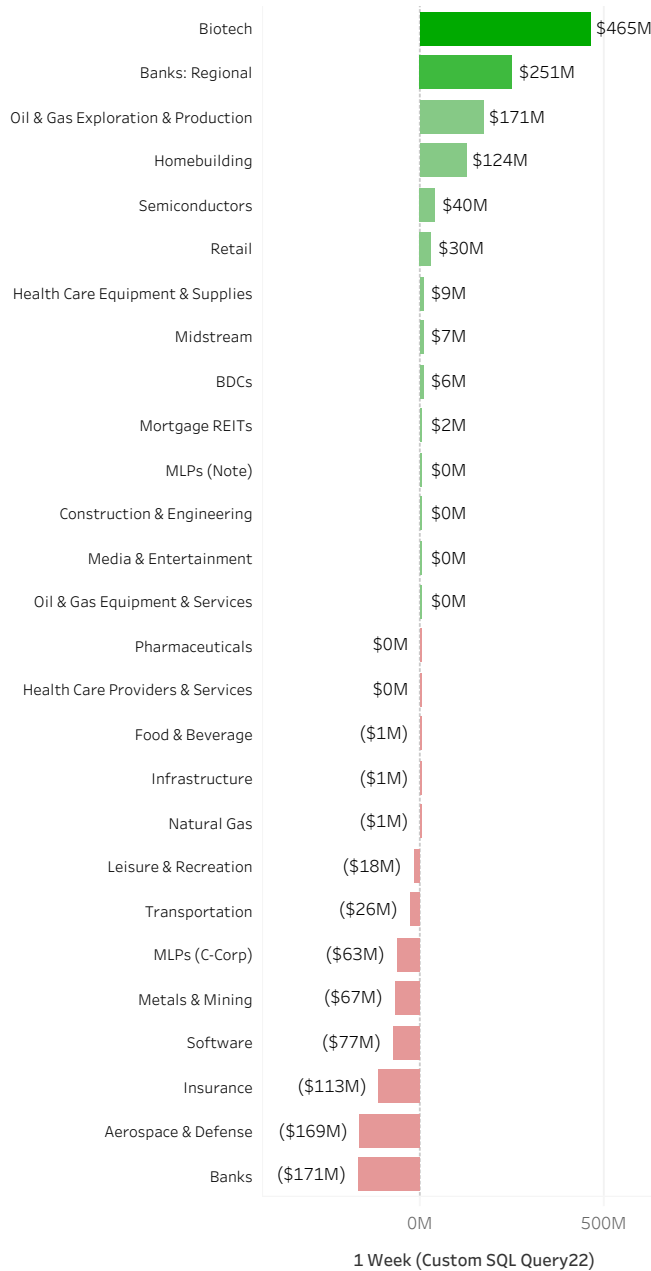
Ticker	Fund	1 Day Performance
XME	SPDR S&P Metals & Mining ETF	-0.98%
PYZ	Invesco DWA Basic Materials Momentum ETF	-0.84%
AIRR	First Trust RBA American Industrial Renaissance ETF	-0.82%
IGN	iShares North American Tech-Multimedia Networking ..	-0.82%
PPA	Invesco Aerospace & Defense ETF	-0.82%
ITA	iShares U.S. Aerospace & Defense ETF	-0.82%
PAVE	Global X U.S. Infrastructure Development ETF	-0.78%
IFRA	iShares U.S. Infrastructure ETF	-0.70%
XAR	SPDR S&P Aerospace & Defense ETF	-0.65%
RGI	Invesco S&P 500 Equal Weight Industrials ETF	-0.64%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XLB	Materials Select Sector SPDR Fund	25.91
FMAT	Fidelity MSCI Materials Index ETF	26.69
IYM	iShares U.S. Basic Materials ETF	27.17
IYJ	iShares U.S. Industrials ETF	27.58
VAW	Vanguard Materials ETF	27.59
RTM	Invesco S&P 500 Equal Weight Materials ETF	28.06
IFRA	iShares U.S. Infrastructure ETF	28.68
KIE	SPDR S&P Insurance ETF	29.27
XLI	Industrial Select Sector SPDR Fund	29.32
RYU	Invesco S&P 500 Equal Weight Utilities ETF	29.42

* 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	\$22B	\$74M	\$1,755M	\$1,965M	\$2,563M
Consumer Discretionary	13	\$33B	\$330M	\$262M	\$126M	\$3,055M
Consumer Staples	12	\$21B	(\$66M)	\$707M	\$1,113M	(\$3,279M)
Energy	34	\$46B	\$313M	(\$2,174M)	\$1,300M	\$10,534M
Financials	28	\$73B	(\$983M)	(\$3,945M)	\$1,930M	\$18,970M
Health Care	25	\$91B	\$316M	\$5,348M	\$5,050M	\$4,104M
Industrial	14	\$34B	(\$681M)	(\$3,326M)	(\$3,071M)	\$3,162M
Materials	10	\$15B	(\$104M)	(\$2,327M)	\$2,033M	\$5,696M
Multi-Sector	16	\$24B	\$94M	\$410M	\$1,721M	\$3,220M
Real Estate	21	\$75B	\$489M	\$2,968M	\$8,548M	\$12,934M
Technology	24	\$139B	(\$894M)	\$2,893M	\$3,186M	\$1,986M
Utilities	10	\$20B	(\$322M)	\$1,113M	\$568M	\$307M

U.S. Sector & Industry Flow Leaders

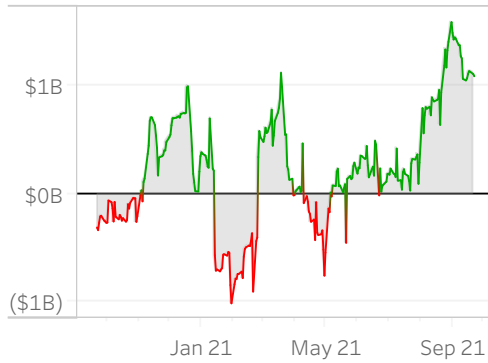
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$363M	\$425M	\$846M	\$1,202M	\$7,435M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$295M	(\$309M)	(\$850M)	\$298M	\$19,748M
REZ	iShares Residential and Multisector Real Estat..	\$268M	\$396M	\$495M	\$548M	\$1,089M
KRE	SPDR S&P Regional Banking ETF	\$250M	(\$426M)	\$212M	\$2,483M	\$4,317M
IYR	iShares U.S. Real Estate ETF	\$234M	\$127M	\$2,639M	\$2,972M	\$7,827M
XLE	Energy Select Sector SPDR Fund	\$230M	(\$608M)	\$1,013M	\$8,066M	\$22,043M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$172M	(\$463M)	(\$428M)	(\$293M)	\$3,145M
ITB	iShares U.S. Home Construction ETF	\$141M	(\$119M)	(\$184M)	(\$432M)	\$2,348M
IBB	iShares Biotechnology ETF	\$104M	\$109M	(\$388M)	(\$589M)	\$11,056M
XLC	Communication Services Select Sector SPDR Fu..	\$76M	\$1,096M	\$1,277M	\$1,523M	\$15,315M

U.S. Sector & Industry Flow Laggards

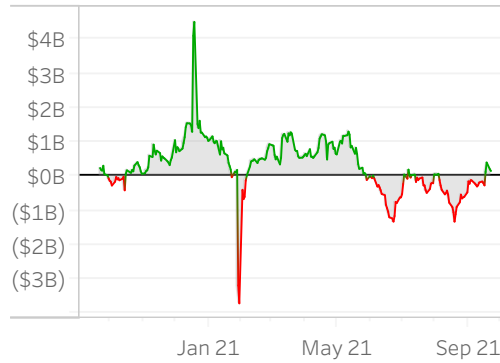
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$947M)	(\$3,263M)	(\$1,240M)	\$9,832M	\$38,492M
XLK	Technology Select Sector SPDR Fund	(\$530M)	\$336M	\$480M	(\$1,118M)	\$43,705M
XLI	Industrial Select Sector SPDR Fund	(\$468M)	(\$2,010M)	(\$2,728M)	\$876M	\$16,980M
XLU	Utilities Select Sector SPDR Fund	(\$323M)	\$880M	\$174M	(\$119M)	\$12,725M
KBE	SPDR S&P Bank ETF	(\$162M)	(\$439M)	(\$657M)	\$577M	\$2,828M
XLV	Health Care Select Sector SPDR Fund	(\$160M)	\$3,482M	\$4,406M	\$2,961M	\$32,496M
ITA	iShares U.S. Aerospace & Defense ETF	(\$159M)	(\$172M)	(\$310M)	(\$731M)	\$2,596M
KIE	SPDR S&P Insurance ETF	(\$113M)	(\$307M)	(\$37M)	(\$223M)	\$374M
AMPLP	Alerian MLP ETF	(\$76M)	(\$210M)	(\$289M)	\$11M	\$4,804M
XME	SPDR S&P Metals & Mining ETF	(\$67M)	(\$334M)	(\$153M)	\$619M	\$1,605M

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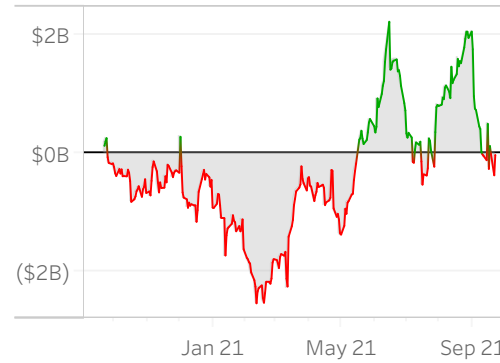
Communication Services



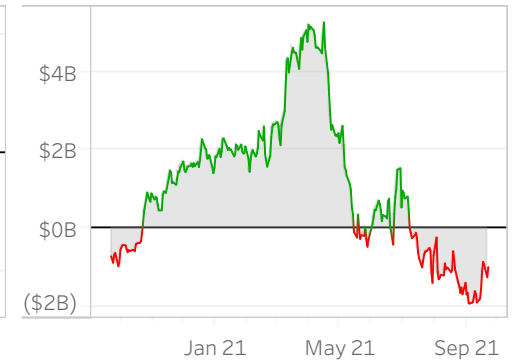
Consumer Discretionary



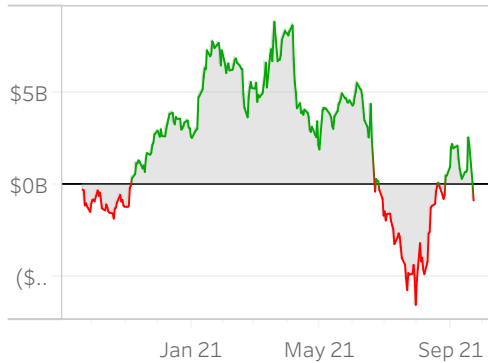
Consumer Staples



Energy



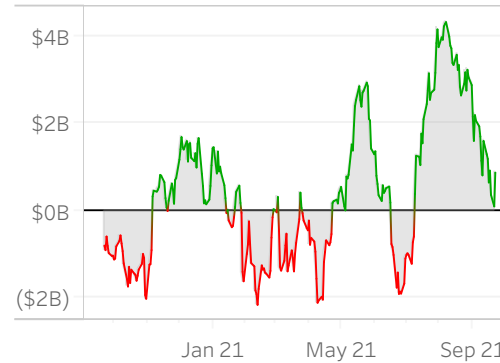
Financials



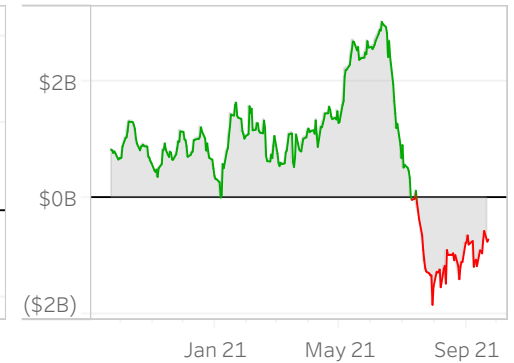
Industrial



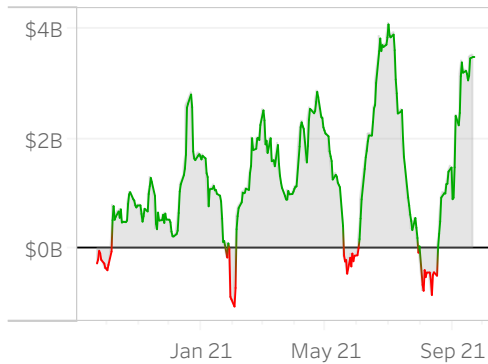
Health Care



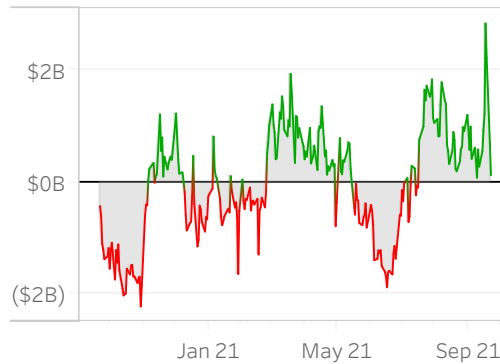
Materials



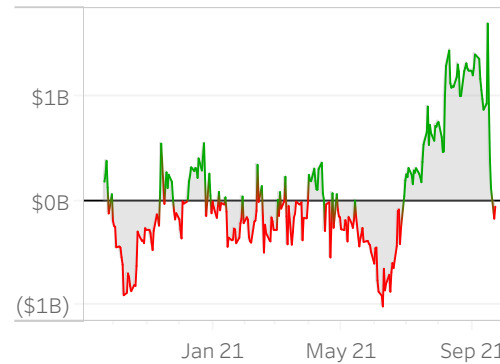
Real Estate



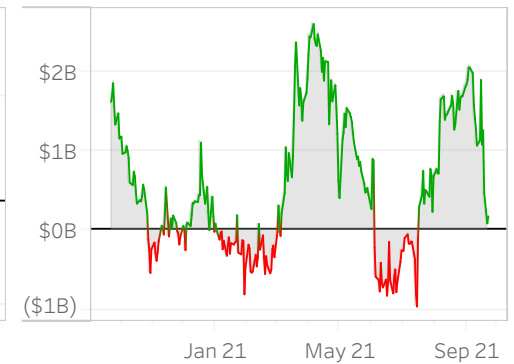
Technology



Utilities

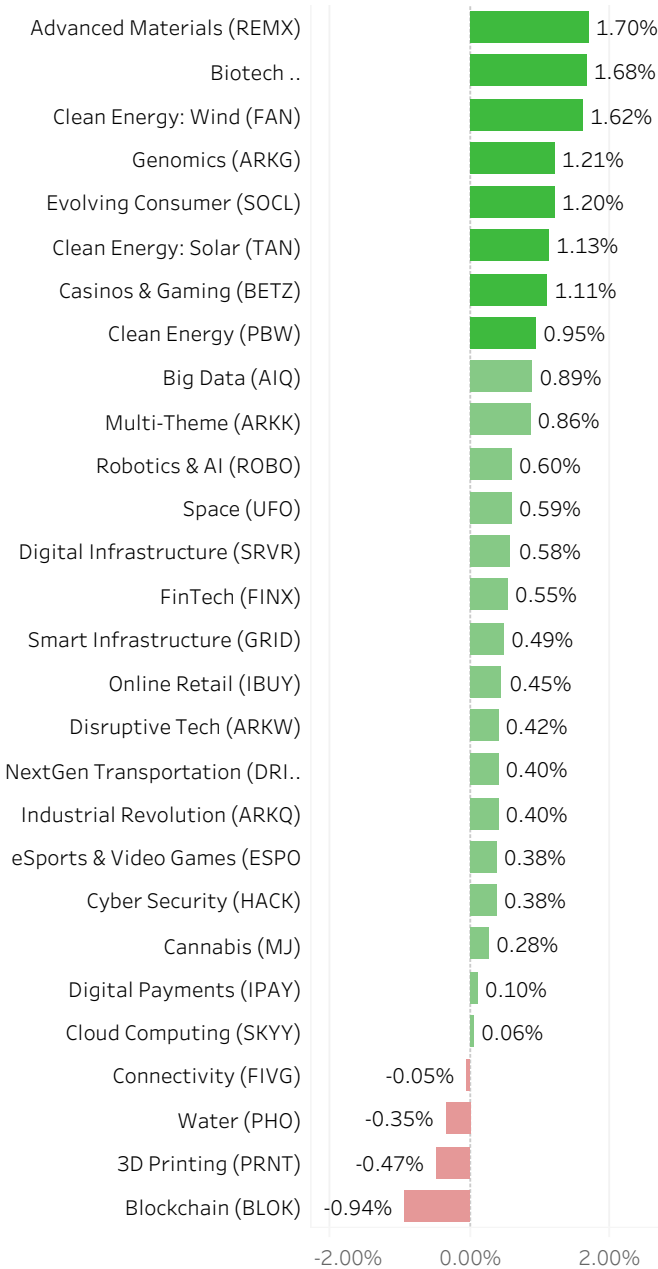


Multi-Sector

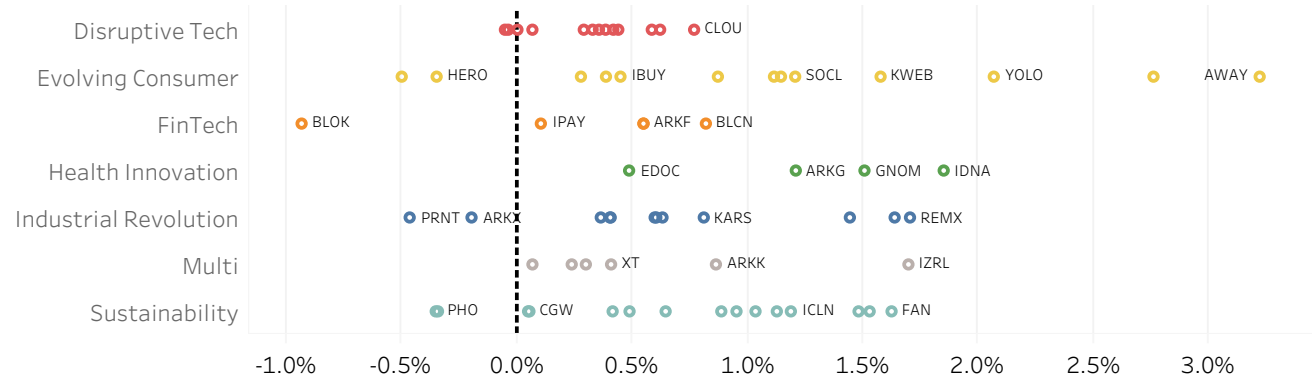


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
AWAY	ETFMG Travel Tech ETF	3.22%
MSOS	AdvisorShares Pure US Cannabis ETF	2.76%
KGRN	KraneShares MSCI China Clean Technology Index ETF	2.37%
YOLO	AdvisorShares Pure Cannabis ETF	2.07%
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	1.85%
CTEC	Global X CleanTech ETF	1.84%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.70%
IZRL	ARK Israel Innovative Technology ETF	1.70%
SBIO	ALPS Medical Breakthroughs ETF	1.68%
LIT	Global X Lithium & Battery Tech ETF	1.64%

Thematic Most Overbought

Ticker	Fund	Value
BOTZ	Global X Robotics & Artificial Intelligence ETF	61.69
AWAY	ETFMG Travel Tech ETF	54.92
SBIO	ALPS Medical Breakthroughs ETF	54.77
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	54.59
EDOC	Global X Telemedicine & Digital Health ETF	53.16
BETZ	Roundhill Sports Betting & iGaming ETF	51.72
CLOU	Global X Cloud Computing ETF	50.80
KLDW	Knowledge Leaders Developed World ETF	50.21
WCLD	WisdomTree Cloud Computing Fund	50.18
QTUM	Defiance Quantum ETF	50.11

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BLOK	Amplify Transformational Data Sharing ETF	-0.94%
DAPP	VanEck Digital Transformation ETF	-0.70%
ONLN	ProShares Online Retail ETF	-0.50%
BITQ	Bitwise Crypto Industry Innovators ETF	-0.49%
PRNT	3D Printing ETF	-0.47%
PHO	Invesco Water Resources ETF	-0.35%
HERO	Global X Video Games & Esports ETF	-0.35%
FIW	First Trust Water ETF	-0.34%
ARKX	ARK Space Exploration & Innovation ETF	-0.20%
FIVG	Defiance Next Gen Connectivity ETF	-0.05%

Thematic Most Oversold

Ticker	Fund	Value
MJ	ETFMG Alternative Harvest ETF	26.54
THCX	Cannabis ETF	27.04
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	27.20
POTX	Global X Cannabis ETF	28.05
HERO	Global X Video Games & Esports ETF	28.76
KSTR	KraneShares SSE STAR Market 50 Index ETF	29.66
GAMR	Wedbush ETFMG Video Game Tech ETF	29.70
FIVG	Defiance Next Gen Connectivity ETF	30.23
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	31.35
SIMS	SPDR S&P Kensho Intelligent Structures ETF	31.76

* 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	\$252M
ONLN	ProShares Online Retail ETF	\$93M
PBW	Invesco WilderHill Clean Energy ETF	\$70M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$60M
LIT	Global X Lithium & Battery Tech ETF	\$27M
XT	iShares Exponential Technologies ETF	\$23M
FIW	First Trust Water ETF	\$18M
SKYY	First Trust Cloud Computing ETF	\$16M
PBD	Invesco Global Clean Energy ETF	\$14M
CGW	Invesco S&P Global Water Index ETF	\$14M

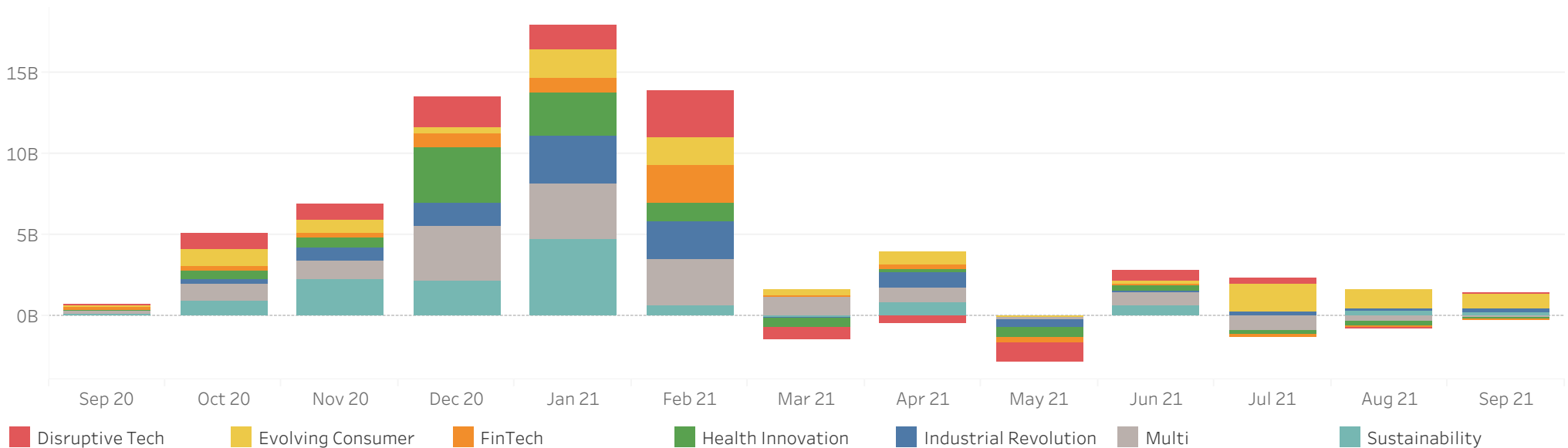
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$97M)
ARKW	ARK Next Generation Internet ETF	(\$73M)
ARKF	ARK Fintech Innovation ETF	(\$52M)
ARKG	ARK Genomic Revolution ETF	(\$36M)
ESPO	VanEck Video Gaming and eSports ETF	(\$31M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$20M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$16M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$10M)
PHO	Invesco Water Resources ETF	(\$8M)
IZRL	ARK Israel Innovative Technology ETF	(\$6M)

Thematic Landscape Assets & Flows

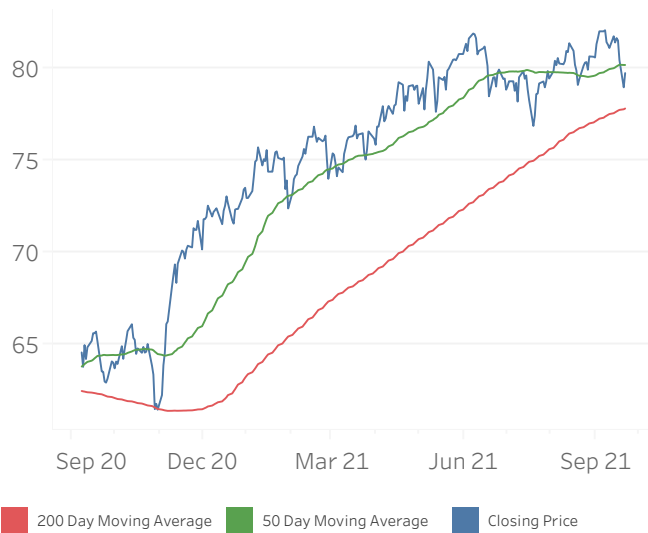
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$29B	(\$9M)	\$742M	(\$644M)	\$7,110M
Evolving Consumer	38	\$16B	(\$3M)	\$3,744M	\$4,894M	\$10,939M
FinTech	12	\$8B	(\$6M)	(\$186M)	(\$83M)	\$4,832M
Health Innovation	14	\$10B	(\$23M)	(\$317M)	(\$851M)	\$7,259M
Industrial Revolution	22	\$17B	\$27M	\$623M	\$1,186M	\$8,545M
Multi	28	\$30B	\$315M	(\$634M)	(\$320M)	\$13,406M
Sustainability	33	\$22B	\$119M	\$799M	\$2,138M	\$13,007M
Grand Total	176	\$132B	\$421M	\$4,772M	\$6,320M	\$65,097M

Thematic Monthly Flows

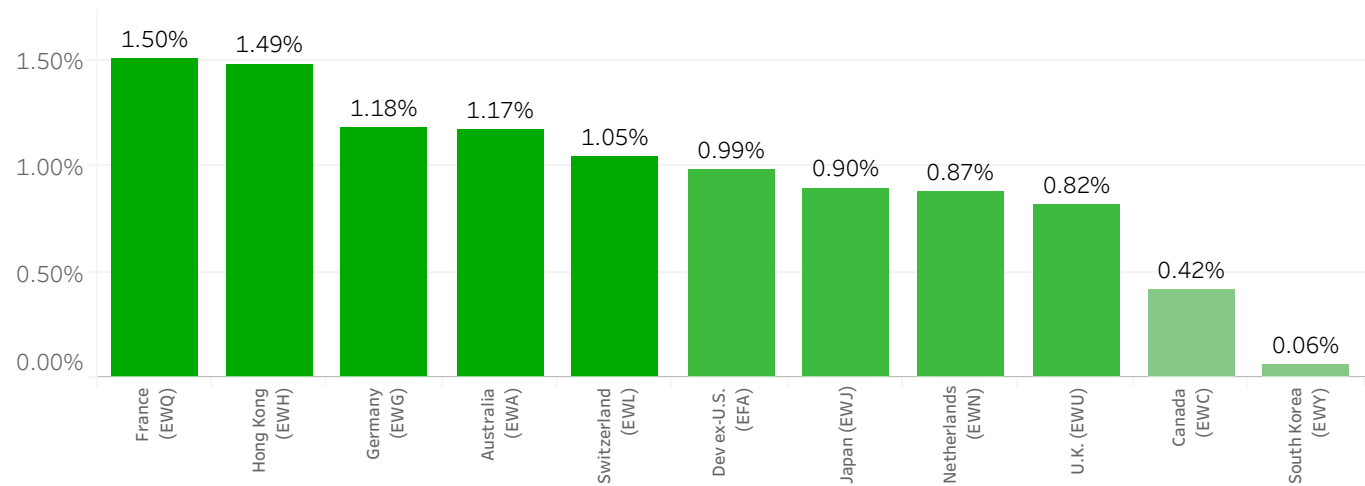


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

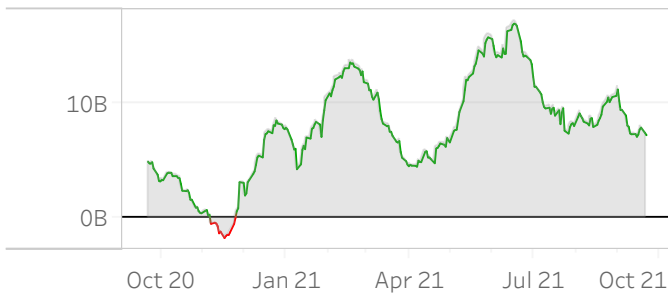
Developed ex-U.S. (EFA)



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



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



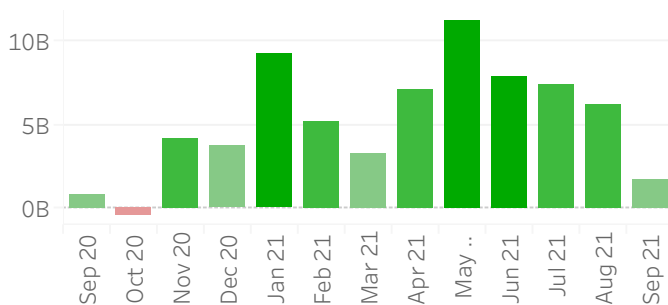
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EDEN	iShares MSCI Denmark ETF	2.20%
DMRI	DeltaShares S&P International Managed Risk ETF	1.85%
PIZ	Invesco DWA Developed Markets Momentum ETF	1.64%
FSZ	First Trust Switzerland AlphaDEX Fund	1.64%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	1.55%
PTEU	Pacer Trendpilot European Index ETF	1.50%
EWQ	iShares MSCI France ETF	1.50%
EWH	iShares MSCI Hong Kong ETF	1.49%
IMOM	Alpha Architect International Quantitative Momentum ETF	1.44%
EPP	iShares MSCI Pacific ex-Japan ETF	1.40%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
SCJ	iShares MSCI Japan Small-Cap ETF	65.95
DFJ	WisdomTree Japan SmallCap Dividend Fund	64.87
JPXN	iShares JPX-Nikkei 400 ETF	64.13
BBJP	JPMorgan BetaBuilders Japan ETF	62.99
EWJ	iShares MSCI Japan ETF	62.95
FLJP	Franklin FTSE Japan ETF	62.73
HEWJ	iShares Currency Hedged MSCI Japan ETF	60.70
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	60.34
DXJ	WisdomTree Japan Hedged Equity Fund	60.02
IPAC	iShares Core MSCI Pacific ETF	53.73

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWD	iShares MSCI Sweden ETF	-0.15%
EWY	iShares MSCI South Korea ETF	0.06%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.13%
EWS	iShares MSCI Singapore ETF	0.17%
GREK	Global X MSCI Greece ETF	0.25%
IVAL	Alpha Architect International Quantitative Value ETF	0.26%
SCJ	iShares MSCI Japan Small-Cap ETF	0.37%
SCHC	Schwab International Small-Cap Equity ETF	0.38%
BBCA	JPMorgan BetaBuilders Canada ETF	0.39%
IDLV	Invesco S&P International Developed Low Volatility ETF	0.42%

Developed ex-U.S. Most Oversold

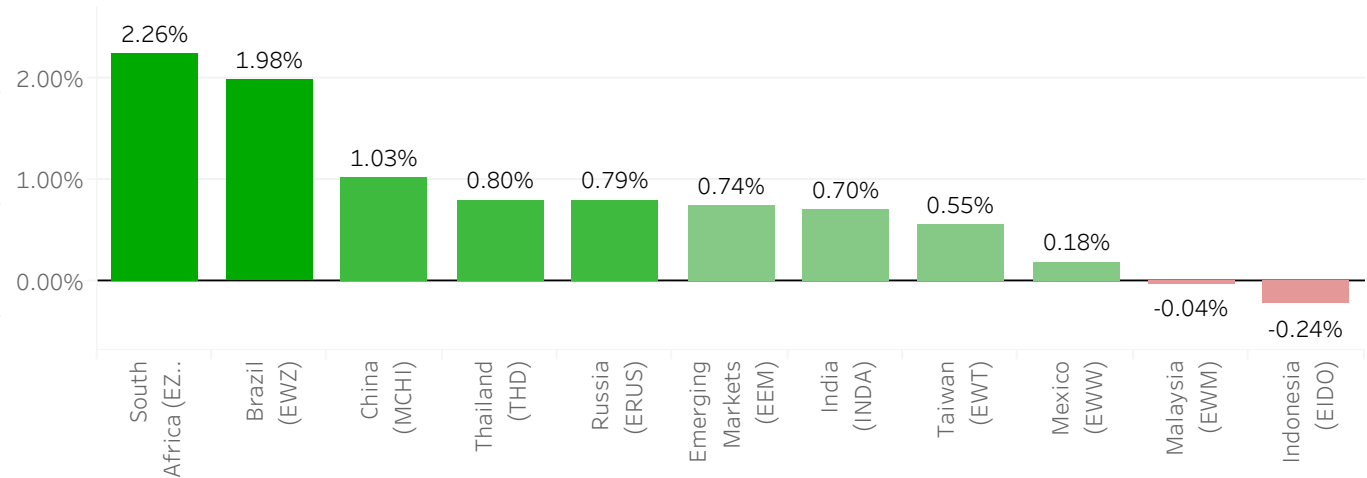
Ticker	Fund	Value
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	22.34
EWH	iShares MSCI Hong Kong ETF	25.37
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	26.54
EWD	iShares MSCI Sweden ETF	29.65
EWL	iShares MSCI Switzerland ETF	29.94
IDV	iShares International Select Dividend ETF	31.20
IVAL	Alpha Architect International Quantitative Value ETF	31.35
DFE	WisdomTree Europe SmallCap Dividend Fund	31.69
BBEU	JPMorgan BetaBuilders Europe ETF	32.08
AIA	iShares Asia 50 ETF	32.60

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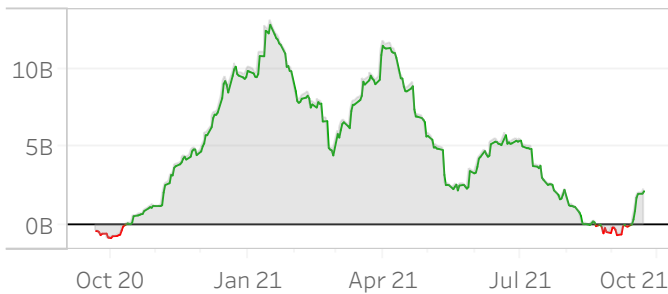
Emerging (EEM)



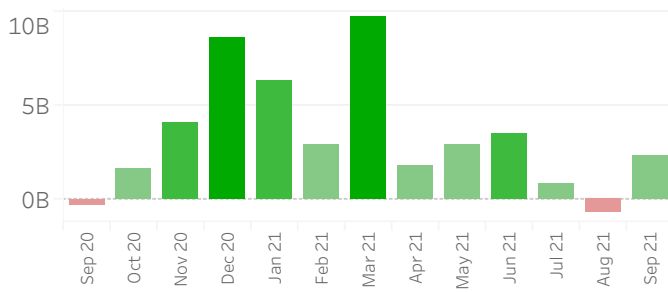
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	3.05%
EZA	iShares MSCI South Africa ETF	2.26%
FLBR	Franklin FTSE Brazil ETF	2.10%
ECNS	iShares MSCI China Small-Cap ETF	2.02%
EWZ	iShares MSCI Brazil ETF	1.98%
DVYE	iShares Emerging Markets Dividend ETF	1.58%
LDEM	iShares ESG MSCI EM Leaders ETF	1.48%
GXC	SPDR S&P China ETF	1.41%
FEM	First Trust Emerging Markets AlphaDEX Fund	1.39%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.39%

Emerging Most Overbought

Ticker	Fund	Value
INDY	iShares India 50 ETF	61.67
INDA	iShares MSCI India ETF	61.53
EPI	WisdomTree India Earnings Fund	58.88
NFTY	First Trust India NIFTY 50 Equal Weight ETF	57.99
SMIN	iShares MSCI India Small Cap ETF	57.77
PIN	Invesco India ETF	56.52
GLIN	VanEck India Growth Leaders ETF	55.20
QAT	iShares MSCI Qatar ETF	54.43
FM	iShares MSCI Frontier and Select EM ETF	53.38
ERUS	iShares MSCI Russia ETF	51.27

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
AFK	VanEck Africa Index ETF	-0.28%
EIDO	iShares MSCI Indonesia ETF	-0.24%
KSA	iShares MSCI Saudi Arabia ETF	-0.22%
TUR	iShares MSCI Turkey ETF	-0.18%
EPOL	iShares MSCI Poland ETF	-0.09%
FRDM	Freedom 100 Emerging Markets ETF	-0.09%
EWM	iShares MSCI Malaysia ETF	-0.04%
QAT	iShares MSCI Qatar ETF	0.15%
EWW	iShares MSCI Mexico ETF	0.18%
SMIN	iShares MSCI India Small Cap ETF	0.24%

Emerging Most Oversold

Ticker	Fund	Value
AFK	VanEck Africa Index ETF	27.58
TUR	iShares MSCI Turkey ETF	30.14
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	31.01
DFAE	Dimensional Emerging Core Equity Market ETF	32.44
BICK	First Trust BICK Index Fund	32.72
ILF	iShares Latin America 40 ETF	32.85
FRDM	Freedom 100 Emerging Markets ETF	33.26
EWM	iShares MSCI Malaysia ETF	34.25
JEMA	JPMorgan ActiveBuilders Emerging Markets Equity ..	34.31
JPEM	J.P. Morgan Diversified Return Emerging Markets E..	34.58

* 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	0.04%	0.13%	-0.55%
SHY	1-3 Year Treasury Bonds	0.02%	0.05%	-0.02%
IEF	7-10 Year Treasury Bonds	-0.06%	-0.37%	-1.94%
TLT	20+ Year Treasury Bonds	-0.09%	0.35%	-3.34%
TIP	TIPS Bonds	-0.07%	0.68%	4.04%
FLOT	Floating Rate Bonds	0.02%	0.07%	0.42%
LQD	Investment Grade Corporate	-0.01%	0.57%	-0.20%
HYG	High Yield Corporate	0.17%	0.95%	3.36%
BKLN	Senior Loan	0.09%	0.77%	1.63%
PFF	Preferred & Income Securities	0.33%	0.23%	4.84%
MUB	Municipal Bonds	-0.01%	0.06%	1.08%
MBB	MBS	-0.03%	0.18%	-0.44%
EMB	Dollar Denominated EM Bonds	0.19%	0.39%	-0.74%
LEMB	Local Currency EM Bond	0.09%	0.47%	-4.95%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.29%	6.42%	26.35%
DBE	Energy	0.10%	13.30%	46.64%
USO	WTI Crude Oil	-0.04%	14.16%	50.20%
BNO	Brent Crude Oil	0.15%	15.29%	51.01%
UNG	Natural Gas	-2.20%	25.15%	83.37%
UGA	Gasoline	-0.30%	12.49%	48.95%
DBP	Precious Metals	0.70%	-0.94%	-9.72%
GLD	Gold	0.67%	-0.40%	-6.91%
SLV	Silver	1.21%	-2.39%	-15.18%
PPLT	Platinum	5.02%	-3.57%	-11.10%
PALL	Palladium	0.78%	-16.27%	-22.42%
DBB	Base Metals	-0.48%	3.45%	19.81%
CPER	Copper	0.16%	-0.16%	16.23%
LD	Lead	-0.18%	-5.93%	7.36%
JJN	Nickel	-0.27%	2.00%	11.87%
JJU	Aluminum	-0.16%	11.90%	41.85%
JJT	Tin	0.21%	8.69%	89.18%
DBA	Agriculture	-0.11%	-2.34%	14.00%
CORN	Corn	-1.17%	-3.01%	24.26%
SOYB	Soybeans	0.73%	-0.45%	14.02%
WEAT	Wheat	-1.61%	-5.08%	8.56%
CANE	Sugar	0.21%	0.21%	38.22%
BAL	Cotton	1.53%	-3.13%	10.45%
NIB	Cocoa	0.48%	2.52%	-1.26%
JO	Coffee	0.64%	2.24%	35.50%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.08%	-0.44%	3.18%
UDN	Short Dollar	0.10%	0.43%	-4.09%
FXE	Euro	0.01%	0.17%	-4.66%
FXB	British Pound Sterling	0.01%	0.27%	-0.35%
FXF	Swiss Franc	0.45%	-0.78%	-4.95%
FXJ	Japanese Yen	0.10%	0.41%	-5.90%
FXC	Canadian Dollar	-0.01%	0.07%	-1.03%
FXA	Australian Dollar	-0.36%	1.30%	-6.47%

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