

### Large Cap Blend (S&P 500) IVV



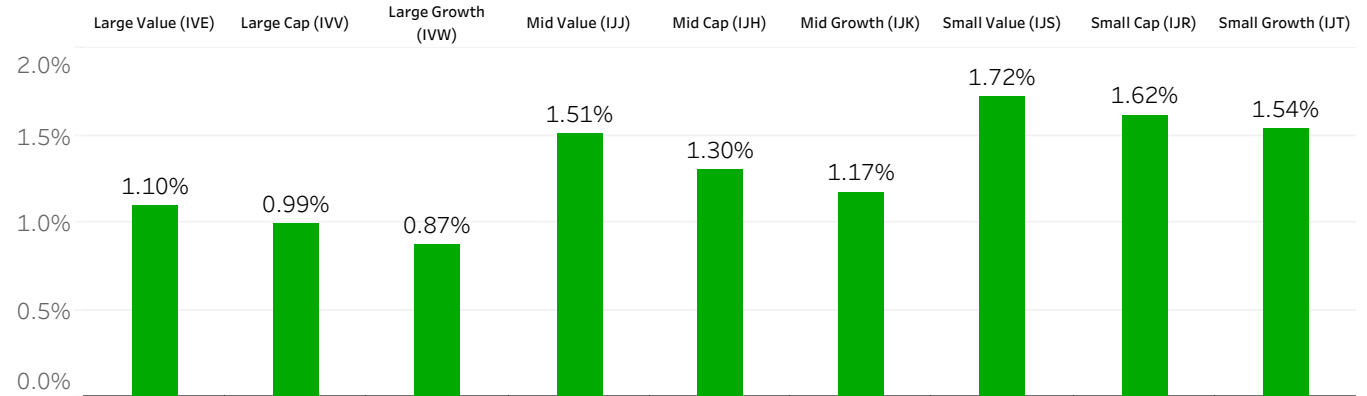
### Mid Cap Blend (S&P 400) IJH



### Small Cap Blend (S&P 600) IJR



### U.S. Size & Style 1-Day Performance



### Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
DWAS	Invesco DWA SmallCap Momentum ETF	2.68%
XSMO	Invesco S&P SmallCap Momentum ETF	2.46%
SPHB	Invesco S&P 500 High Beta ETF	2.39%
FFTY	Innovator IBD 50 ETF	2.16%
CALF	Pacer US Small Cap Cash Cows 100 ETF	2.09%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	2.04%
FNK	First Trust Mid Cap Value AlphaDEX Fund	1.98%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.94%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	1.91%
QVAL	Alpha Architect U.S. Quantitative Value ETF	1.91%

### Size & Style Most Overbought

Ticker	Fund	Value
FFTY	Innovator IBD 50 ETF	62.79
IPO	Renaissance IPO ETF	59.34
MFMS	Motley Fool Small-Cap Growth ETF	54.42
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	53.54
MMLG	First Trust Multi-Manager Large Growth ETF	53.39
VBK	Vanguard Small-Cap Growth ETF	52.80
DWAS	Invesco DWA SmallCap Momentum ETF	52.51
RFG	Invesco S&P Midcap 400 Pure Growth ETF	52.41
FNJ	First Trust Mid Cap Growth AlphaDEX Fund	52.35
PDP	Invesco DWA Momentum ETF	52.24

### Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
DURA	VanEck Morningstar Durable Dividend ETF	0.22%
QLV	FlexShares US Quality Low Volatility Index Fund	0.24%
MXDU	Nationwide Maximum Diversification US Core Equity ETF	0.28%
OUSA	OShares U.S. Quality Dividend ETF	0.33%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	0.33%
PTNQ	Pacer Trendpilot 100 ETF	0.35%
RBUS	Nationwide Risk-Based U.S. Equity ETF	0.36%
SPLV	Invesco S&P 500 Low Volatility ETF	0.37%
LVHD	Legg Mason Low Volatility High Dividend ETF	0.38%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	0.39%

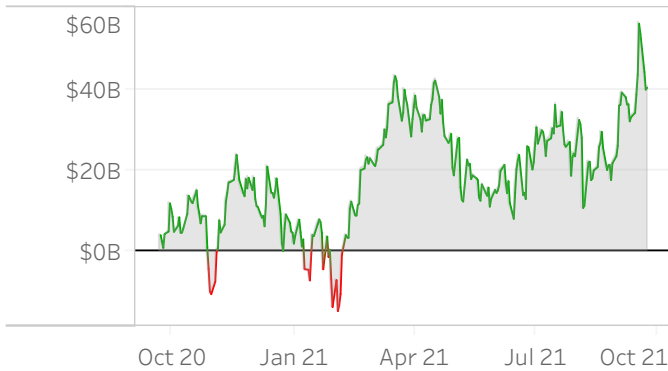
### Size & Style Most Oversold

Ticker	Fund	Value
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	25.60
SMDV	ProShares Russell 2000 Dividend Growers ETF	30.14
DURA	VanEck Morningstar Durable Dividend ETF	31.08
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	31.32
SCHD	Schwab US Dividend Equity ETF	31.82
SDY	SPDR S&P Dividend ETF	32.17
LVHD	Legg Mason Low Volatility High Dividend ETF	33.07
TPHD	Timothy Plan High Dividend Stock ETF	33.18
DJD	Invesco Dow Jones Industrial Average Dividend ETF	33.20
ABEQ	Absolute Core Strategy ETF	33.28

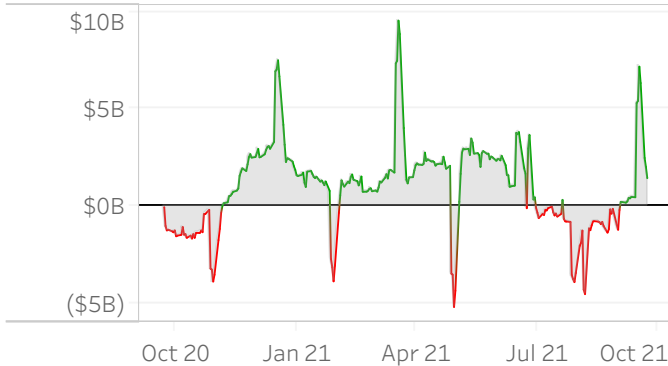
■ Closing Price    ■ 50 Day Moving Average    ■ 200 Day Moving Average

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

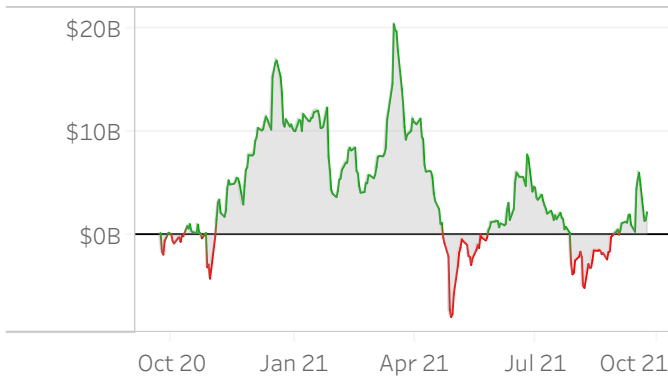
### Large-Cap 30-Day Rolling Flows



### 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	(\$0.19B)	(\$1.37B)	\$0.30B	\$8.97B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.20B)	(\$0.85B)	\$1.27B	\$3.81B
Large Cap, Beta Growth, Beta: Value	10	\$193B	(\$0.65B)	\$2.02B	\$12.76B	\$31.15B
Small Cap, Beta, Beta: Growth	7	\$38B	(\$1.06B)	\$0.44B	(\$0.61B)	\$1.68B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$1.22B)	\$0.09B	(\$1.41B)	(\$2.43B)
Small Cap, Beta, Beta	12	\$209B	(\$2.32B)	\$0.35B	\$0.13B	\$23.94B
Large Cap, Beta Growth, Beta: Growth	10	\$256B	(\$4.02B)	\$7.74B	\$8.73B	\$3.44B
Mid Cap, Beta, Beta	10	\$181B	(\$4.24B)	\$0.78B	\$2.81B	\$8.53B
Large Cap, Beta Growth, Beta	24	\$1,253B	(\$5.77B)	\$51.25B	\$68.19B	\$94.12B

### U.S. Size & Style Flow Leaders

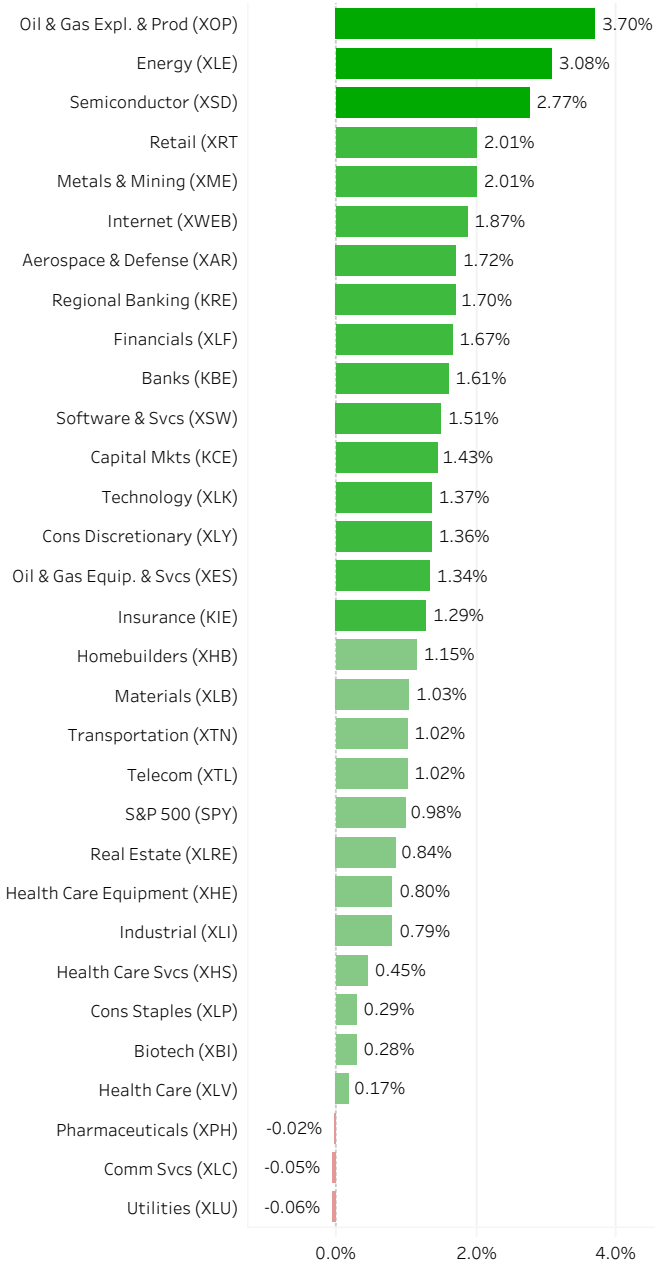
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$1.79B	\$15.09B	\$24.64B	\$39.61B	\$250.43B
IWM	iShares Russell 2000 ETF	\$0.84B	(\$1.69B)	(\$3.58B)	\$7.69B	\$64.60B
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	\$0.49B	\$0.73B	\$1.12B	\$1.47B	\$9.18B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.44B	(\$0.54B)	(\$0.81B)	\$0.56B	\$14.95B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.25B	(\$0.54B)	(\$0.50B)	(\$0.08B)	\$20.38B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.18B	\$1.58B	\$2.61B	\$5.61B	\$41.91B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$0.14B	(\$0.03B)	\$0.38B	\$1.76B	\$8.43B
VYM	Vanguard High Dividend Yield Index ETF	\$0.08B	\$0.60B	\$1.70B	\$3.69B	\$37.24B
SCHX	Schwab U.S. Large-Cap ETF	\$0.08B	\$0.79B	\$1.59B	\$2.67B	\$32.03B
SUSL	iShares ESG MSCI USA Leaders ETF	\$0.08B	\$0.23B	\$0.40B	\$0.59B	\$3.92B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VXF	Vanguard Extended Market ETF	(\$2.85B)	\$0.19B	\$1.12B	\$2.70B	\$17.21B
VUG	Vanguard Growth ETF	(\$2.85B)	\$1.75B	\$3.33B	\$4.00B	\$83.68B
VIG	Vanguard Dividend Appreciation ETF	(\$2.72B)	\$1.38B	\$2.57B	\$4.11B	\$61.37B
VO	Vanguard Mid-Cap ETF	(\$2.50B)	\$1.44B	\$1.72B	\$4.50B	\$51.64B
VTI	Vanguard Total Stock Market ETF	(\$2.36B)	\$10.97B	\$21.94B	\$46.00B	\$264.94B
VB	Vanguard Small-Cap ETF	(\$1.69B)	\$1.13B	\$1.81B	\$6.01B	\$46.67B
IVV	iShares Core S&P 500 ETF	(\$1.38B)	\$4.51B	\$8.52B	\$14.92B	\$295.42B
RSP	Invesco S&P 500 Equal Weight ETF	(\$1.33B)	\$0.07B	\$3.33B	\$9.60B	\$28.56B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$1.25B)	(\$0.91B)	(\$0.45B)	\$0.45B	\$28.46B
SCHA	Schwab U.S. Small-Cap ETF	(\$1.08B)	\$0.52B	\$0.95B	\$2.10B	\$16.22B

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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	-1.30%	27.55%	0.44%	5.40%	50.56
XLK	Technology Select Sector SPDR Fund	-3.24%	39.39%	-0.42%	9.46%	44.49
SPY	SPDR S&P 500 ETF Trust	-3.38%	34.09%	-1.16%	6.35%	40.19
XLP	Consumer Staples Select Sector SPDR Fund	-3.62%	12.96%	-1.90%	2.07%	35.87
XLV	Health Care Select Sector SPDR Fund	-3.86%	29.42%	-1.24%	7.28%	38.54
XLRE	Real Estate Select Sector SPDR Fund	-4.23%	37.35%	-0.35%	11.36%	45.38
XLF	Financial Select Sector SPDR Fund	-4.85%	57.18%	-1.02%	6.22%	43.92
XLC	Communication Services Select Sector SPDR Fund	-5.93%	37.81%	-2.69%	5.70%	30.53
XLI	Industrial Select Sector SPDR Fund	-6.07%	32.39%	-3.82%	0.81%	34.59
XLU	Utilities Select Sector SPDR Fund	-6.44%	12.34%	-3.04%	1.42%	31.14
XLB	Materials Select Sector SPDR Fund	-9.73%	29.24%	-4.26%	-0.52%	32.24
XLE	Energy Select Sector SPDR Fund	-13.13%	76.15%	0.34%	0.63%	50.94

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	3.86%
FCG	First Trust Natural Gas ETF	3.77%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	3.70%
PXI	Invesco DWA Energy Momentum ETF	3.55%
RYE	Invesco S&P 500 Equal Weight Energy ETF	3.53%
PXE	Invesco Dynamic Energy Exploration & Production ..	3.43%
IYE	iShares U.S. Energy ETF	3.15%
XLE	Energy Select Sector SPDR Fund	3.08%
VDE	Vanguard Energy ETF	3.04%
FXN	First Trust Energy AlphaDEX Fund	2.96%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PSI	Invesco Dynamic Semiconductors ETF	58.61
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	58.54
FCG	First Trust Natural Gas ETF	58.48
XSD	SPDR S&P Semiconductor ETF	58.31
PXI	Invesco DWA Energy Momentum ETF	57.76
FTXL	First Trust Nasdaq Semiconductor ETF	57.64
PXE	Invesco Dynamic Energy Exploration & Production ETF	57.63
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	57.01
FXN	First Trust Energy AlphaDEX Fund	56.05
PEJ	Invesco Dynamic Leisure & Entertainment ETF	55.78

### Sector & Industry 1 Day Performance Laggards

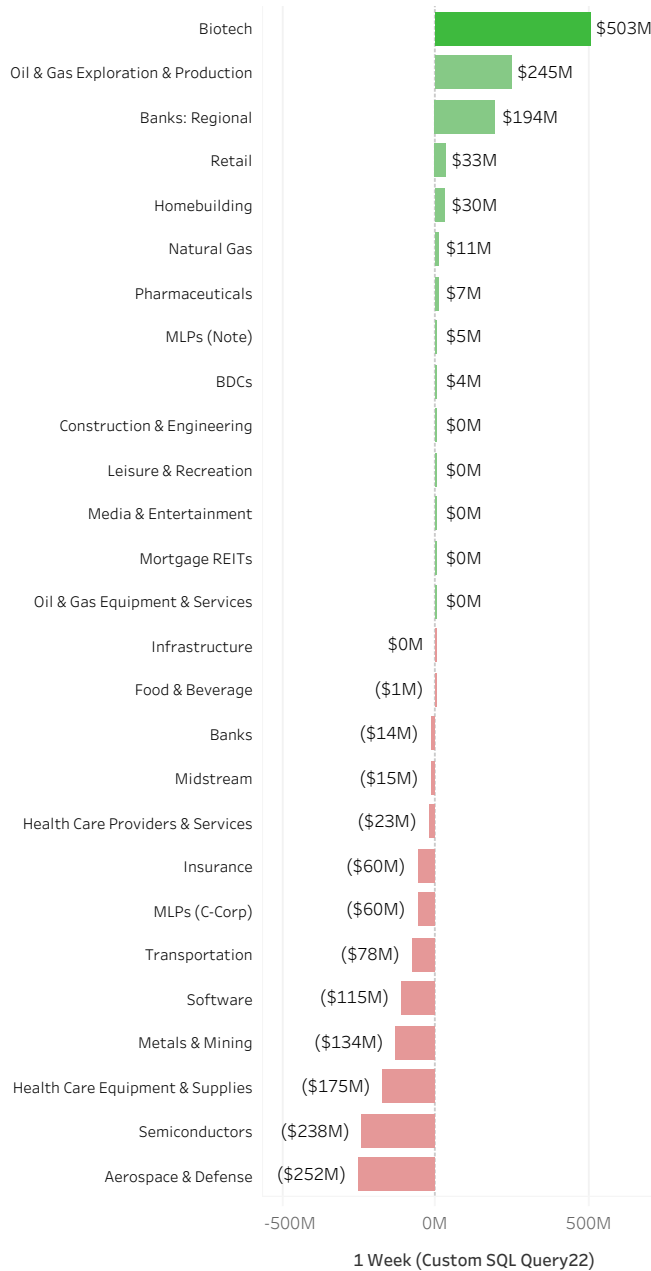
Ticker	Fund	1 Day Performance
FBT	First Trust NYSE Arca Biotechnology Index Fund	-0.46%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-0.44%
IBBQ	Invesco Nasdaq Biotechnology ETF	-0.30%
IHF	iShares U.S. Healthcare Providers ETF	-0.22%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.21%
PJP	Invesco Dynamic Pharmaceuticals ETF	-0.19%
FUTY	Fidelity MSCI Utilities Index ETF	-0.09%
XLU	Utilities Select Sector SPDR Fund	-0.06%
IYT	iShares US Transportation ETF	-0.06%
XLC	Communication Services Select Sector SPDR Fund	-0.05%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RYU	Invesco S&P 500 Equal Weight Utilities ETF	28.76
XLC	Communication Services Select Sector SPDR Fund	30.53
IHE	iShares U.S. Pharmaceuticals ETF	30.60
FUTY	Fidelity MSCI Utilities Index ETF	30.72
FXU	First Trust Utilities AlphaDEX Fund	30.92
XLU	Utilities Select Sector SPDR Fund	31.14
XLB	Materials Select Sector SPDR Fund	32.24
FMAT	Fidelity MSCI Materials Index ETF	32.53
VPU	Vanguard Utilities ETF	32.58
IDU	iShares U.S. Utilities ETF	33.31

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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
<b>Communication Services</b>	9	\$21B	(\$50M)	\$1,890M	\$1,910M	\$2,419M
<b>Consumer Discretionary</b>	13	\$33B	(\$67M)	\$75M	\$5M	\$2,958M
<b>Consumer Staples</b>	12	\$20B	(\$1,094M)	\$41M	\$591M	(\$3,827M)
<b>Energy</b>	34	\$46B	\$1M	(\$2,089M)	\$809M	\$10,680M
<b>Financials</b>	28	\$73B	(\$1,417M)	(\$3,232M)	\$2,238M	\$19,911M
<b>Health Care</b>	25	\$92B	(\$87M)	\$5,136M	\$4,674M	\$3,921M
<b>Industrial</b>	14	\$33B	(\$918M)	(\$3,502M)	(\$3,017M)	\$3,229M
<b>Materials</b>	10	\$15B	(\$193M)	(\$2,268M)	\$2,003M	\$5,769M
<b>Multi-Sector</b>	16	\$24B	(\$642M)	\$384M	\$1,725M	\$3,213M
<b>Real Estate</b>	21	\$75B	\$510M	\$3,259M	\$8,416M	\$12,958M
<b>Technology</b>	24	\$139B	(\$2,502M)	\$2,806M	\$2,540M	\$2,263M
<b>Utilities</b>	10	\$20B	(\$240M)	\$1,044M	\$541M	\$225M

## U.S. Sector & Industry Flow Leaders

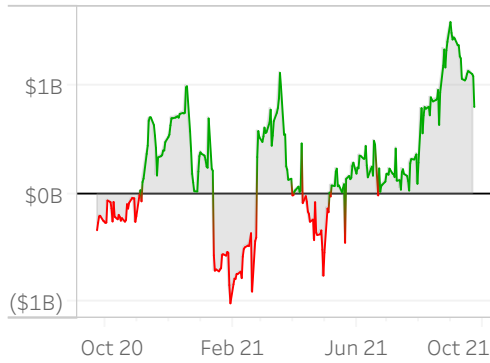
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$350M	\$376M	\$660M	\$1,072M	\$7,500M
REZ	iShares Residential and Multisector Real Estat..	\$264M	\$401M	\$500M	\$553M	\$1,094M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$250M	(\$520M)	(\$902M)	\$201M	\$19,758M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$245M	(\$508M)	(\$466M)	(\$85M)	\$3,277M
IYR	iShares U.S. Real Estate ETF	\$229M	\$409M	\$2,475M	\$2,935M	\$7,789M
KRE	SPDR S&P Regional Banking ETF	\$199M	(\$394M)	\$161M	\$2,508M	\$4,320M
ITB	iShares U.S. Home Construction ETF	\$172M	(\$119M)	(\$163M)	(\$432M)	\$2,368M
IBB	iShares Biotechnology ETF	\$156M	\$173M	(\$396M)	(\$622M)	\$11,163M
VNQ	Vanguard Real Estate ETF	\$65M	\$716M	\$2,572M	\$5,683M	\$43,918M
VDE	Vanguard Energy ETF	\$34M	(\$38M)	\$24M	\$665M	\$4,725M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$950M)	(\$2,712M)	(\$975M)	\$10,561M	\$38,659M
XLP	Consumer Staples Select Sector SPDR Fund	(\$862M)	(\$164M)	\$481M	(\$3,223M)	\$12,104M
IYW	iShares U.S. Technology ETF	(\$818M)	\$655M	\$722M	\$517M	\$8,812M
FDN	First Trust Dow Jones Internet Index Fund	(\$669M)	\$98M	(\$286M)	(\$1,945M)	\$10,802M
XLK	Technology Select Sector SPDR Fund	(\$583M)	\$224M	(\$17M)	(\$970M)	\$43,657M
IYF	iShares U.S. Financials ETF	(\$568M)	(\$80M)	\$76M	\$367M	\$2,185M
IYC	iShares U.S. Consumer Discretionary ETF	(\$353M)	(\$101M)	(\$207M)	\$10M	\$1,320M
XLI	Industrial Select Sector SPDR Fund	(\$340M)	(\$2,182M)	(\$2,672M)	\$944M	\$16,979M
SOXX	iShares Semiconductor ETF	(\$256M)	\$327M	\$212M	\$1,597M	\$7,226M
IYK	iShares U.S. Consumer Staples ETF	(\$232M)	\$1M	(\$114M)	(\$57M)	\$696M

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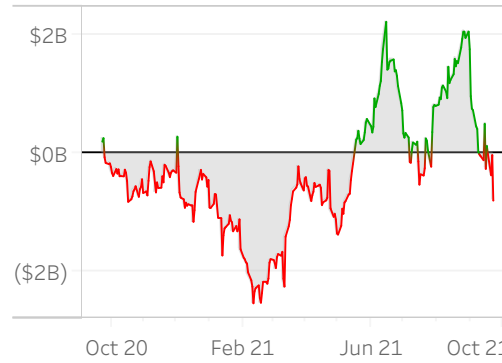
Communication Services



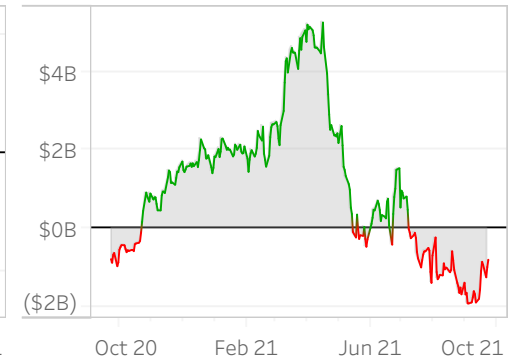
Consumer Discretionary



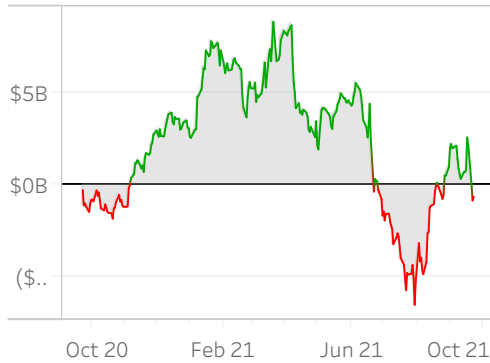
Consumer Staples



Energy



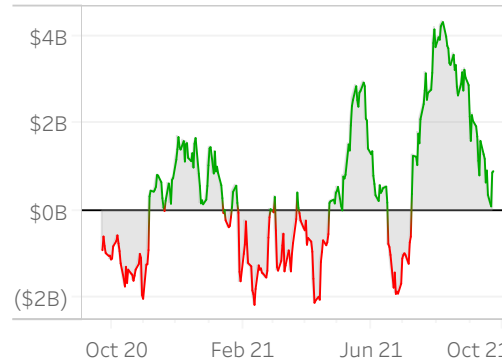
Financials



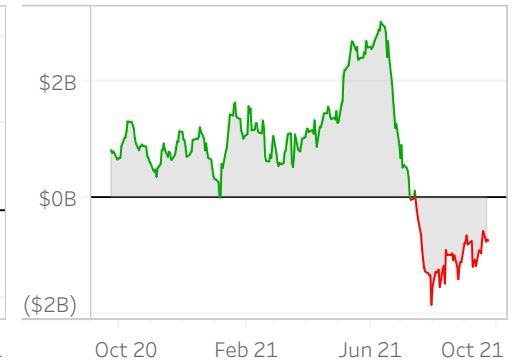
Industrial



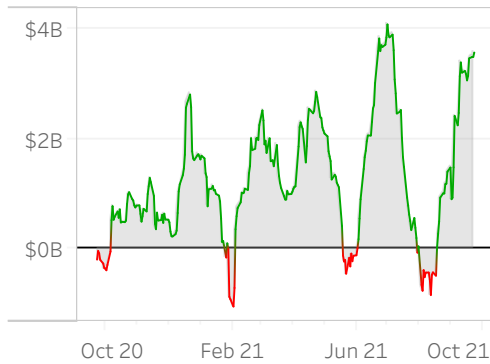
Health Care



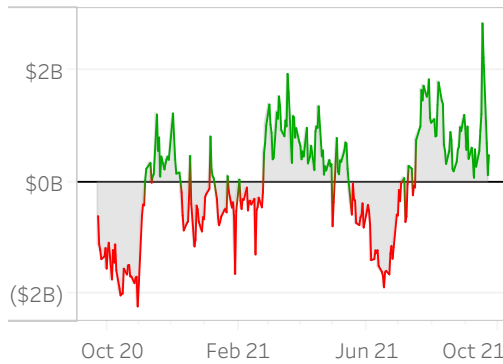
Materials



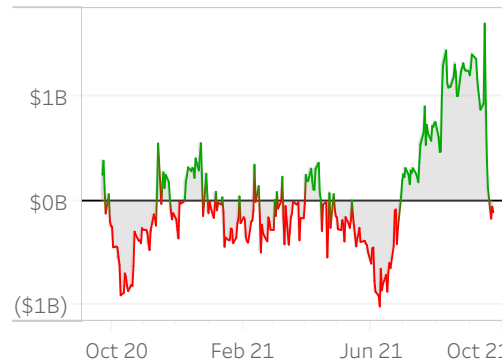
Real Estate



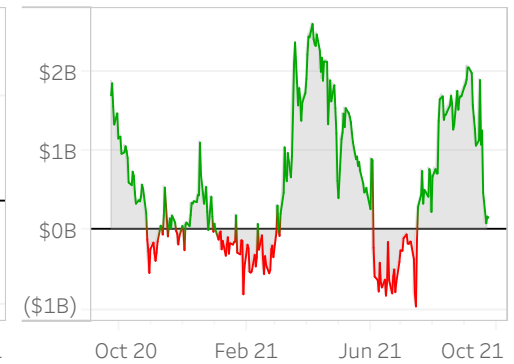
Technology



Utilities

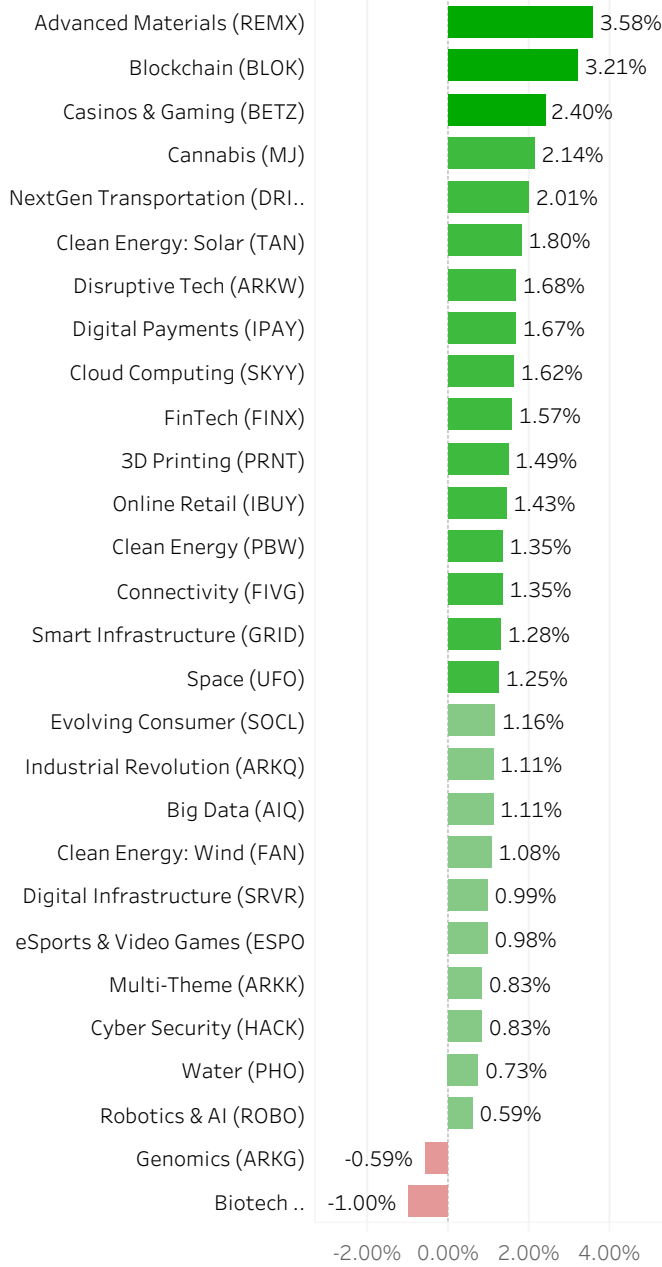


Multi-Sector

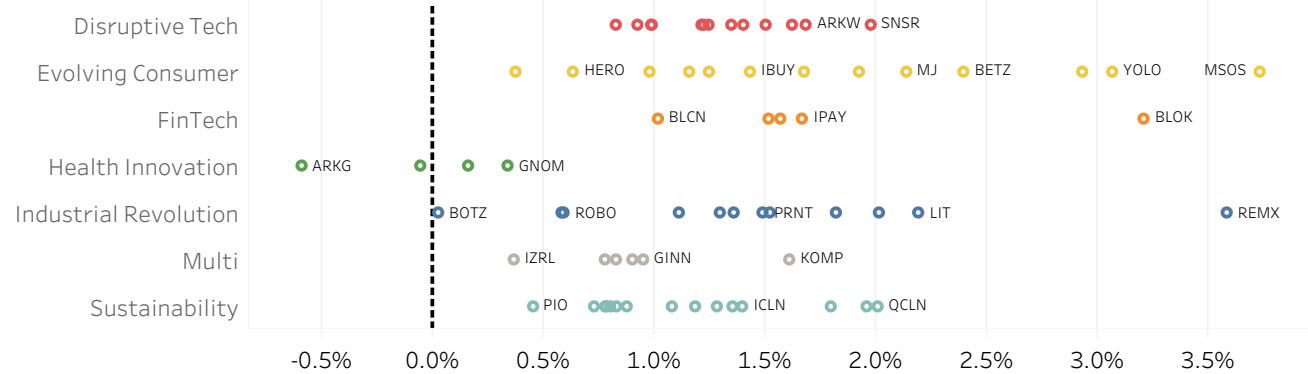


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### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
BITQ	Bitwise Crypto Industry Innovators ETF	3.92%
MSOS	AdvisorShares Pure US Cannabis ETF	3.73%
REMX	VanEck Rare Earth/Strategic Metals ETF	3.58%
BLOK	Amplify Transformational Data Sharing ETF	3.21%
YOLO	AdvisorShares Pure Cannabis ETF	3.07%
KWEB	KraneShares CSI China Internet ETF	2.93%
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	2.80%
KSTR	KraneShares SSE STAR Market 50 Index ETF	2.56%
CNBS	Amplify Seymour Cannabis ETF	2.55%
KGRN	KraneShares MSCI China Clean Technology Index ETF	2.50%

### Thematic Most Overbought

Ticker	Fund	Value
BOTZ	Global X Robotics & Artificial Intelligence ETF	61.76
AWAY	ETFMG Travel Tech ETF	58.71
BETZ	Roundhill Sports Betting & iGaming ETF	57.94
CLOU	Global X Cloud Computing ETF	56.35
IVES	Wedbush ETFMG Global Cloud Technology ETF	56.09
QTUM	Defiance Quantum ETF	55.98
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	54.41
WCLD	WisdomTree Cloud Computing Fund	54.37
EDOC	Global X Telemedicine & Digital Health ETF	53.90
XITK	SPDR FactSet Innovative Technology ETF	52.80

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
SBIO	ALPS Medical Breakthroughs ETF	-1.00%
ARKG	ARK Genomic Revolution ETF	-0.59%
AGNG	Global X Aging Population ETF	-0.17%
GERM	ETFMG Treatments Testing and Advancements ETF	-0.14%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	-0.06%
KLDW	Knowledge Leaders Developed World ETF	0.02%
BOTZ	Global X Robotics & Artificial Intelligence ETF	0.03%
EDOC	Global X Telemedicine & Digital Health ETF	0.16%
BTEC	Principal Healthcare Innovators Index ETF	0.29%
GNOM	Global X Genomics & Biotechnology ETF	0.34%

### Thematic Most Oversold

Ticker	Fund	Value
HERO	Global X Video Games & Esports ETF	32.30
THCX	Cannabis ETF	32.35
POTX	Global X Cannabis ETF	32.43
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	32.65
MJ	ETFMG Alternative Harvest ETF	32.85
GAMR	Wedbush ETFMG Video Game Tech ETF	35.69
KSTR	KraneShares SSE STAR Market 50 Index ETF	37.58
PIO	Invesco Global Water ETF	38.38
EBLU	Ecofin Global Water ESG Fund	38.74
PHO	Invesco Water Resources ETF	38.75

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### Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	\$252M
PBW	Invesco WilderHill Clean Energy ETF	\$73M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$47M
ONLN	ProShares Online Retail ETF	\$33M
XT	iShares Exponential Technologies ETF	\$23M
LIT	Global X Lithium & Battery Tech ETF	\$22M
PBD	Invesco Global Clean Energy ETF	\$14M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$14M
CGW	Invesco S&P Global Water Index ETF	\$14M
FIW	First Trust Water ETF	\$14M

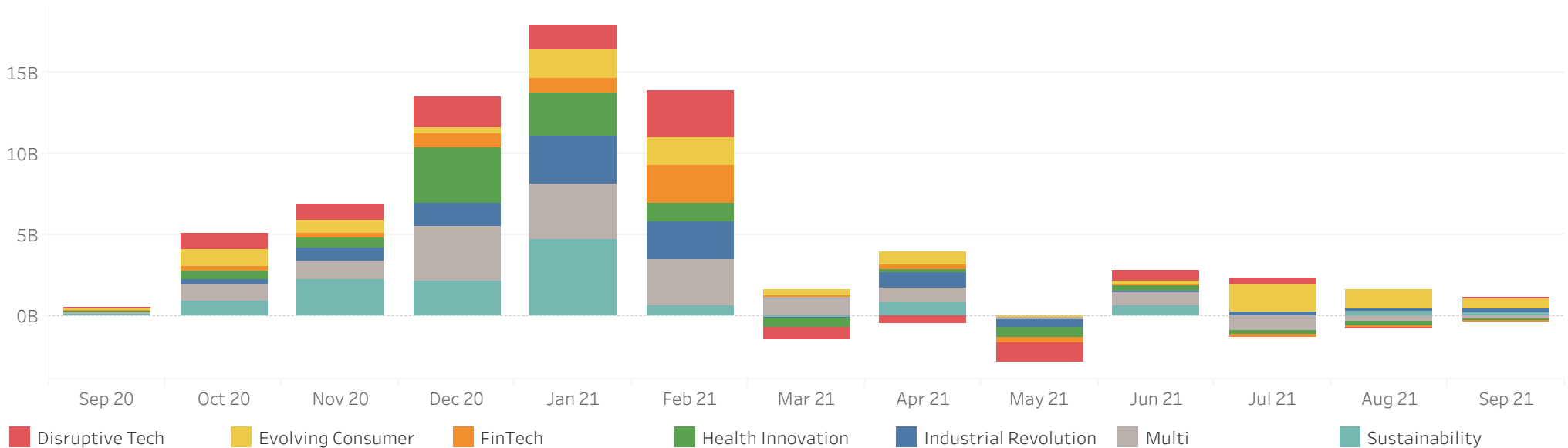
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$218M)
ARKW	ARK Next Generation Internet ETF	(\$65M)
KOMP	SPDR S&P Kensho New Economies Composite ETF	(\$60M)
ARKF	ARK Fintech Innovation ETF	(\$55M)
ESPO	VanEck Video Gaming and eSports ETF	(\$34M)
ARKG	ARK Genomic Revolution ETF	(\$32M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$26M)
PHO	Invesco Water Resources ETF	(\$12M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$12M)
IHAK	iShares Cybersecurity & Tech ETF	(\$9M)

### Thematic Landscape Assets & Flows

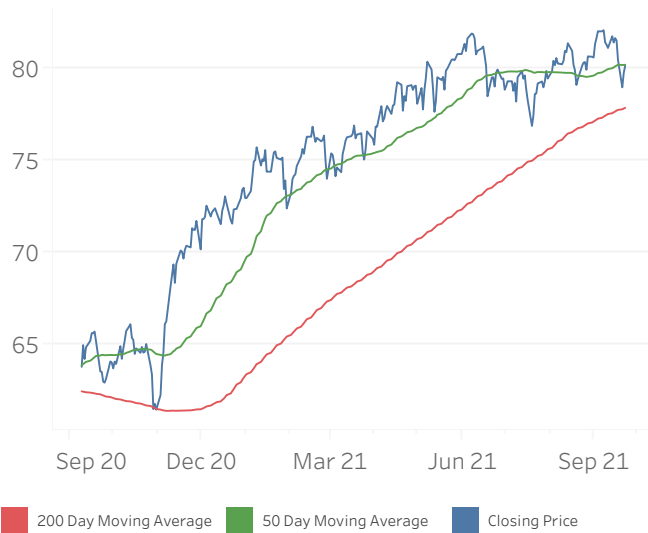
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$29B	(\$1,123M)	\$711M	(\$658M)	\$7,057M
Evolving Consumer	38	\$16B	(\$162M)	\$3,535M	\$4,667M	\$10,662M
FinTech	12	\$8B	(\$38M)	(\$197M)	(\$179M)	\$4,762M
Health Innovation	14	\$10B	(\$30M)	(\$326M)	(\$891M)	\$7,228M
Industrial Revolution	22	\$17B	\$39M	\$631M	\$1,180M	\$8,551M
Multi	28	\$30B	\$151M	(\$771M)	(\$544M)	\$13,276M
Sustainability	33	\$22B	(\$47M)	\$812M	\$2,137M	\$13,000M
<b>Grand Total</b>	<b>176</b>	<b>\$132B</b>	<b>(\$1,210M)</b>	<b>\$4,395M</b>	<b>\$5,712M</b>	<b>\$64,535M</b>

### Thematic Monthly Flows

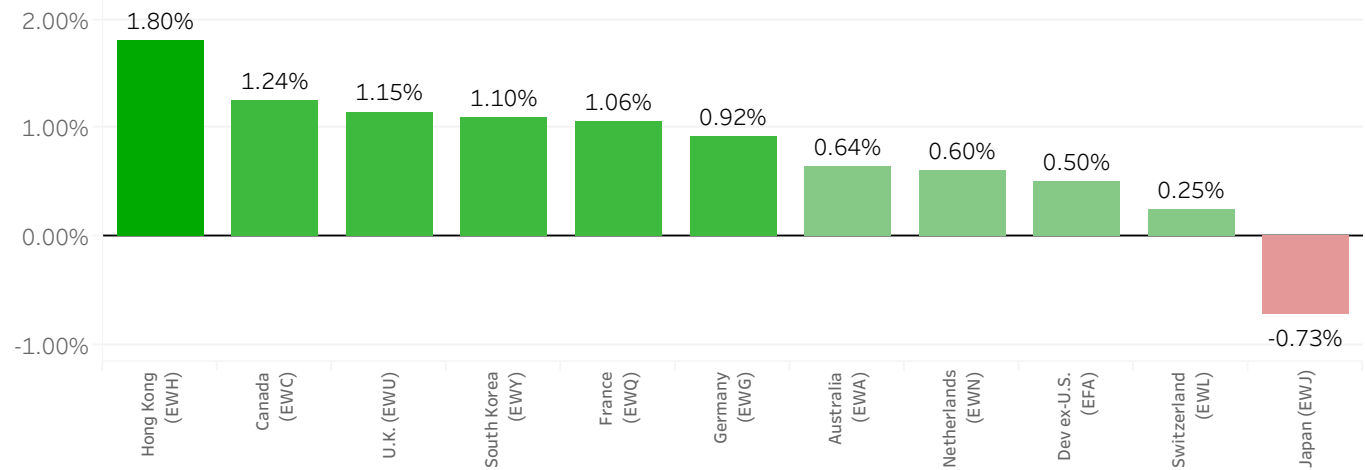


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

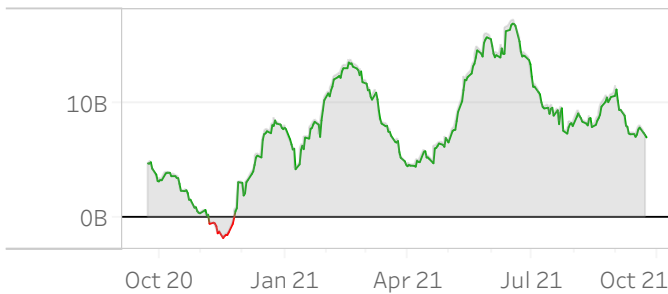
Developed ex-U.S. (EFA)



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



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



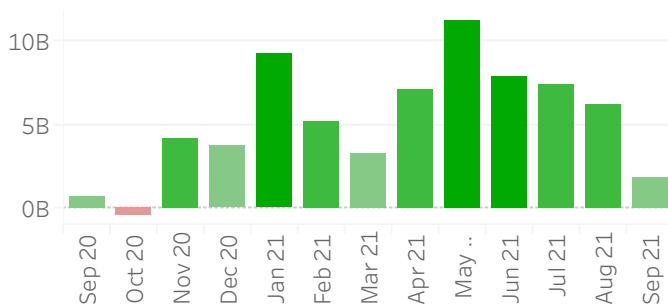
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	2.21%
FEP	First Trust Europe AlphaDEX Fund	1.93%
EWH	iShares MSCI Hong Kong ETF	1.80%
EWO	iShares MSCI Austria ETF	1.78%
ISRA	VanEck Israel ETF	1.60%
EIS	iShares MSCI Israel ETF	1.42%
AIA	iShares Asia 50 ETF	1.39%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.38%
FKU	First Trust United Kingdom AlphaDEX Fund	1.36%
EWD	iShares MSCI Sweden ETF	1.29%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EIS	iShares MSCI Israel ETF	61.36
HEWJ	iShares Currency Hedged MSCI Japan ETF	59.34
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	59.14
JPXN	iShares JPX-Nikkei 400 ETF	59.07
EWJ	iShares MSCI Japan ETF	58.63
DXJ	WisdomTree Japan Hedged Equity Fund	58.54
FLJP	Franklin FTSE Japan ETF	58.47
BBJP	JPMorgan BetaBuilders Japan ETF	58.20
ISRA	VanEck Israel ETF	57.14
SCJ	iShares MSCI Japan Small-Cap ETF	56.75

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
SCJ	iShares MSCI Japan Small-Cap ETF	-1.20%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.18%
JPXN	iShares JPX-Nikkei 400 ETF	-0.81%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.78%
EWJ	iShares MSCI Japan ETF	-0.73%
FLJP	Franklin FTSE Japan ETF	-0.69%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.40%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.23%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	-0.22%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.22%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	29.29
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	30.17
EWL	iShares MSCI Switzerland ETF	32.14
EWH	iShares MSCI Hong Kong ETF	34.74
IDLV	Invesco S&P International Developed Low Volatility ..	35.18
IVAL	Alpha Architect International Quantitative Value ETF	35.33
FLKR	Franklin FTSE South Korea ETF	36.55
IDV	iShares International Select Dividend ETF	36.90
DFE	WisdomTree Europe SmallCap Dividend Fund	37.22
EWD	iShares MSCI Sweden ETF	37.24

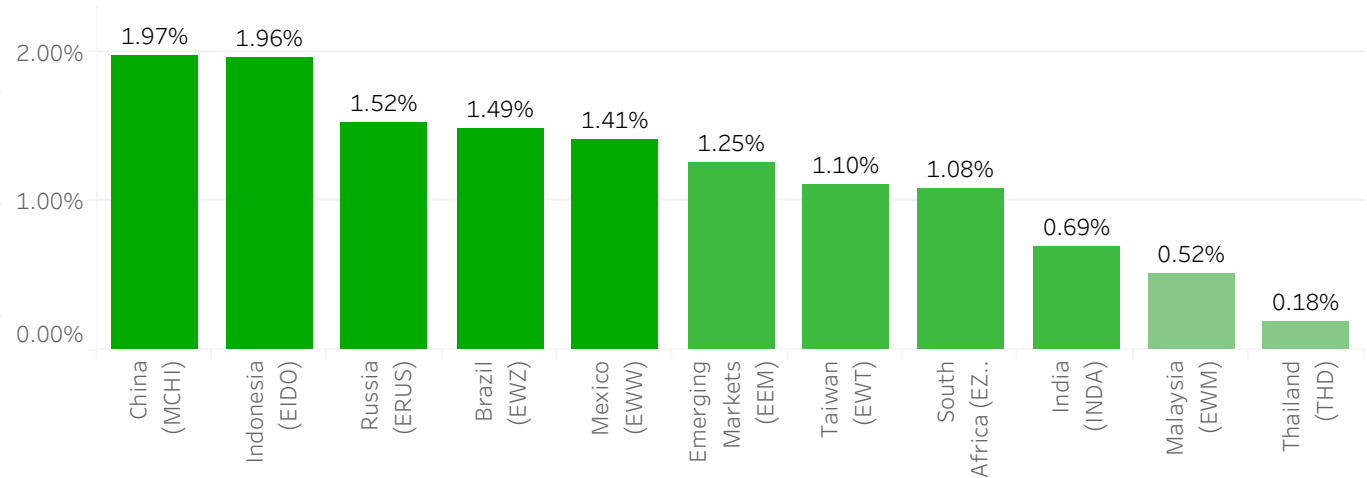
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



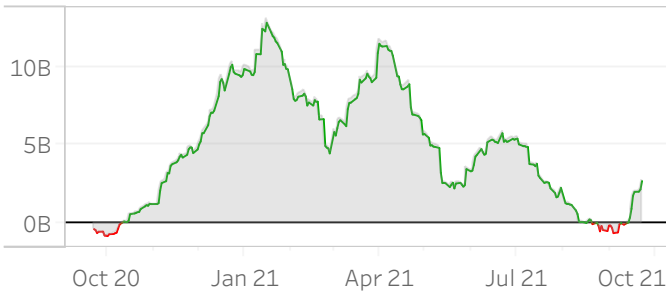
### Emerging (EEM)



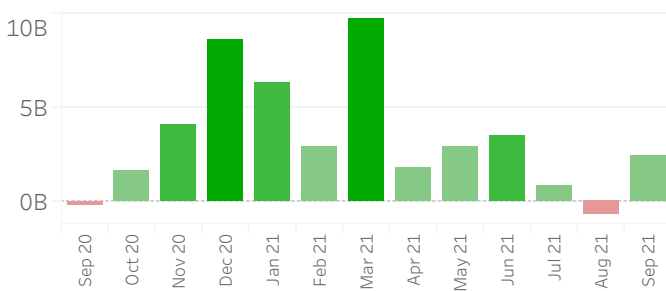
### Emerging 1-Day Performance Top 10 Countries



### Emerging 30-Day Rolling Flows



### Emerging Monthly Flows



### Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CNYA	iShares MSCI China A ETF	2.81%
ECNS	iShares MSCI China Small-Cap ETF	2.60%
KBA	KraneShares Boserá MSCI China A Share ETF	2.47%
EPOL	iShares MSCI Poland ETF	2.47%
PGJ	Invesco Golden Dragon China ETF	2.34%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	2.29%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	2.19%
FLCH	Franklin FTSE China ETF	2.05%
MCHI	iShares MSCI China ETF	1.97%
EIDO	iShares MSCI Indonesia ETF	1.96%

### Emerging Most Overbought

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	64.72
INDY	iShares India 50 ETF	64.60
INDA	iShares MSCI India ETF	64.59
QAT	iShares MSCI Qatar ETF	63.21
NFTY	First Trust India NIFTY 50 Equal Weight ETF	63.02
EPI	WisdomTree India Earnings Fund	62.72
GLIN	VanEck India Growth Leaders ETF	60.82
PIN	Invesco India ETF	60.05
FM	iShares MSCI Frontier and Select EM ETF	58.70
ERUS	iShares MSCI Russia ETF	56.33

### Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPU	iShares MSCI Peru ETF	-0.19%
KSA	iShares MSCI Saudi Arabia ETF	-0.15%
THD	iShares MSCI Thailand ETF	0.18%
EWM	iShares MSCI Malaysia ETF	0.52%
INDA	iShares MSCI India ETF	0.69%
INDY	iShares India 50 ETF	0.70%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.70%
EPHE	iShares MSCI Philippines ETF	0.76%
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	0.81%
PIN	Invesco India ETF	0.85%

### Emerging Most Oversold

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	34.86
AFK	VanEck Africa Index ETF	37.98
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	38.01
EWM	iShares MSCI Malaysia ETF	38.21
BICK	First Trust BICK Index Fund	38.22
ILF	iShares Latin America 40 ETF	38.98
EWZ	iShares MSCI Brazil ETF	39.36
FLBR	Franklin FTSE Brazil ETF	40.42
DFAE	Dimensional Emerging Core Equity Market ETF	40.54
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	40.82

\* 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	0.03%	0.16%	-0.52%
SHY	1-3 Year Treasury Bonds	-0.06%	-0.01%	-0.08%
IEF	7-10 Year Treasury Bonds	0.09%	-0.28%	-1.85%
TLT	20+ Year Treasury Bonds	0.60%	0.95%	-2.76%
TIP	TIPS Bonds	-0.10%	0.58%	3.94%
FLOT	Floating Rate Bonds	0.02%	0.09%	0.44%
LQD	Investment Grade Corporate	0.28%	0.85%	0.08%
HYG	High Yield Corporate	0.18%	1.13%	3.55%
BKLN	Senior Loan	0.14%	0.91%	1.76%
PFF	Preferred & Income Securities	0.69%	0.92%	5.56%
MUB	Municipal Bonds	-0.03%	0.02%	1.04%
MBB	MBS	-0.08%	0.10%	-0.52%
EMB	Dollar Denominated EM Bonds	0.06%	0.45%	-0.68%
LEMB	Local Currency EM Bond	-0.05%	0.42%	-4.99%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.12%	7.62%	27.76%
DBE	Energy	1.35%	14.83%	48.62%
USO	WTI Crude Oil	1.82%	16.23%	52.92%
BNO	Brent Crude Oil	1.80%	17.37%	53.73%
UNG	Natural Gas	-1.30%	23.52%	80.98%
UGA	Gasoline	0.52%	13.08%	49.73%
DBP	Precious Metals	-0.11%	-1.04%	-9.82%
GLD	Gold	-0.37%	-0.77%	-7.25%
SLV	Silver	0.72%	-1.69%	-14.57%
PPLT	Platinum	3.63%	-0.08%	-7.87%
PALL	Palladium	5.99%	-11.25%	-17.77%
DBB	Base Metals	2.47%	6.00%	22.77%
CPER	Copper	2.14%	1.98%	18.72%
LD	Lead	-1.62%	-7.45%	5.62%
JJN	Nickel	1.91%	3.94%	14.00%
JJU	Aluminum	2.84%	15.08%	45.88%
JJT	Tin	3.19%	12.16%	95.22%
DBA	Agriculture	0.92%	-1.43%	15.06%
CORN	Corn	1.39%	-1.65%	25.99%
SOYB	Soybeans	0.32%	-0.13%	14.38%
WEAT	Wheat	3.57%	-1.69%	12.44%
CANE	Sugar	1.50%	1.72%	40.30%
BAL	Cotton	0.85%	-2.31%	11.40%
NIB	Cocoa	1.86%	4.43%	0.58%
JO	Coffee	0.65%	2.91%	36.39%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.28%	-0.16%	3.47%
UDN	Short Dollar	-0.34%	0.10%	-4.41%
FXE	Euro	-0.34%	-0.16%	-4.98%
FXB	British Pound Sterling	-0.30%	-0.03%	-0.64%
FXF	Swiss Franc	-0.23%	-1.00%	-5.17%
FXJ	Japanese Yen	-0.49%	-0.08%	-6.36%
FXC	Canadian Dollar	0.43%	0.50%	-0.61%
FXA	Australian Dollar	0.12%	1.42%	-6.36%

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