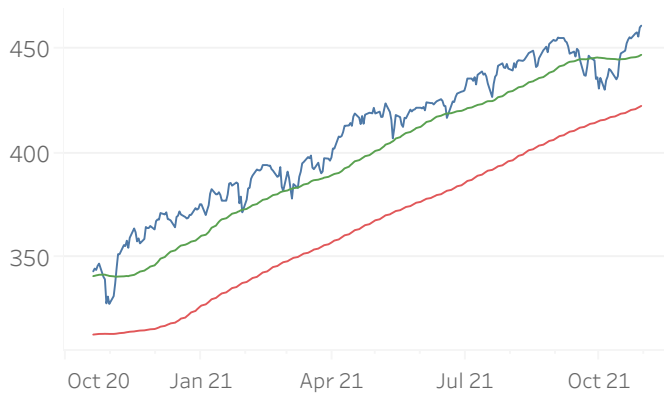


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

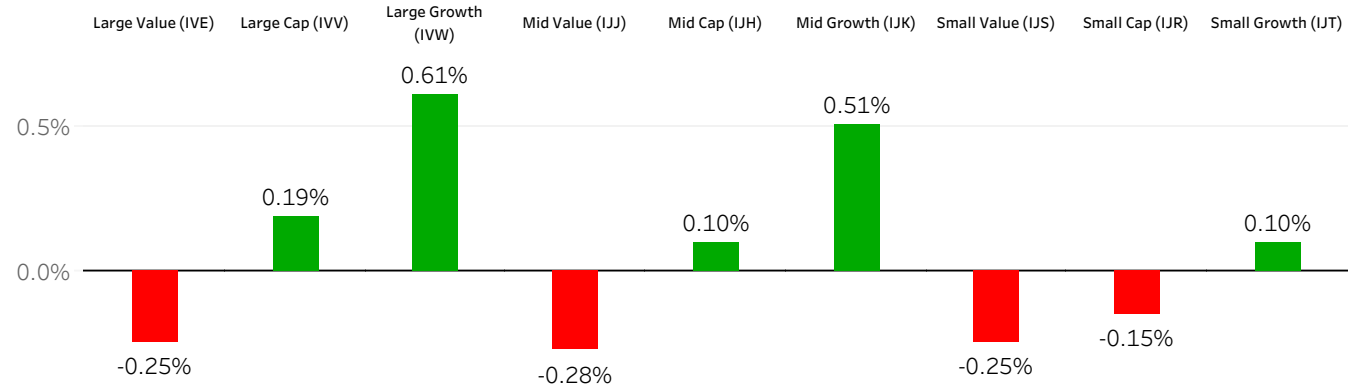


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
RPG	Invesco S&P 500 Pure Growth ETF	1.09%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	1.06%
NULG	Nuveen ESG Large-Cap Growth ETF	1.01%
CSML	IQ Chaikin U.S. Small Cap ETF	0.96%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	0.96%
PDP	Invesco DWA Momentum ETF	0.94%
DWAS	Invesco DWA SmallCap Momentum ETF	0.91%
FEVR	Inspire Faithward Large Cap Momentum ESG ETF	0.81%
QUAL	iShares MSCI USA Quality Factor ETF	0.77%
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight ETF	0.77%

Size & Style Most Overbought

Ticker	Fund	Value
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	77.24
SUSL	iShares ESG MSCI USA Leaders ETF	76.72
DSI	iShares MSCI KLD 400 Social ETF	75.94
SPUS	SP Funds S&P 500 Sharia Industry Exclusions ETF	74.99
NULG	Nuveen ESG Large-Cap Growth ETF	74.46
RPG	Invesco S&P 500 Pure Growth ETF	74.31
EFIV	SPDR S&P 500 ESG ETF	73.65
IUSG	iShares Core S&P U.S. Growth ETF	72.87
IVW	iShares S&P 500 Growth ETF	72.79
VOOG	Vanguard S&P 500 Growth ETF	72.75

Size & Style 1-Day Performance Laggards

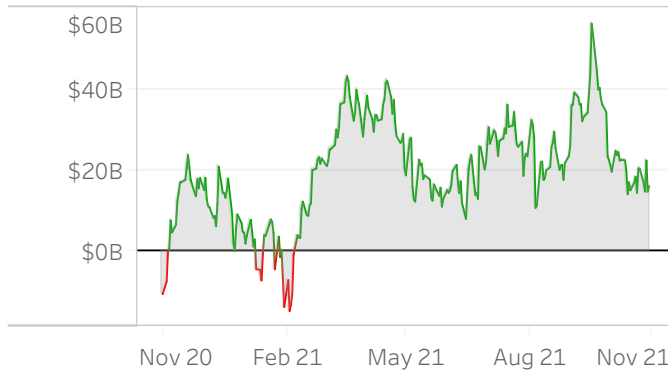
Ticker	Fund	Performance
CATH	Global X S&P 500 Catholic Values Custom ETF	-6.45%
PSC	Principal U.S. Small-Cap Multi-Factor ETF	-0.88%
RPV	Invesco S&P 500 Pure Value ETF	-0.85%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	-0.74%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-0.68%
ABEQ	Absolute Core Strategy ETF	-0.67%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-0.64%
DUSA	Davis Select U.S. Equity ETF	-0.62%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-0.58%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.58%

Size & Style Most Oversold

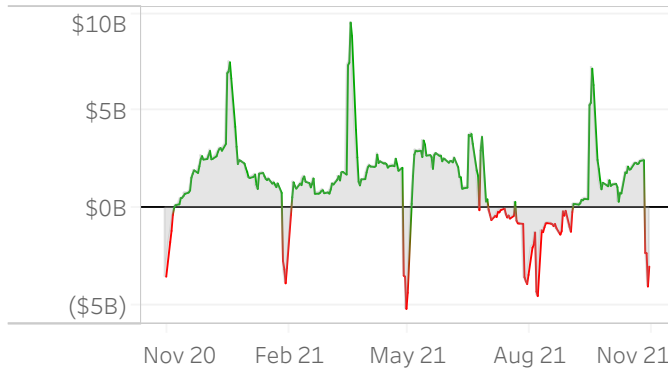
Ticker	Fund	Value
WBIY	WBI Power Factor High Dividend ETF	41.13
RDIV	Invesco S&P Ultra Dividend Revenue ETF	43.56
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	45.98
SDOG	ALPS Sector Dividend Dogs ETF	46.08
CALF	Pacer US Small Cap Cash Cows 100 ETF	47.17
DHS	WisdomTree U.S. High Dividend Fund	47.35
PSC	Principal U.S. Small-Cap Multi-Factor ETF	48.24
DTN	WisdomTree U.S. Dividend ex-Financials Fund	48.44
LSAT	Leadershares Alphafactor Tactical Focused ETF	48.52
PEY	Invesco High Yield Equity Dividend Achievers ETF	48.53

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

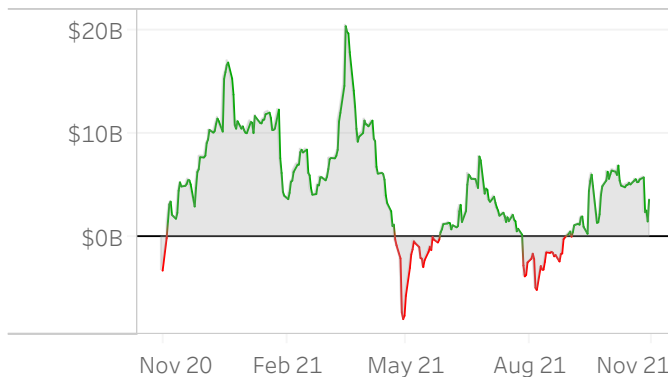
### Large-Cap 30-Day Rolling Flows



### 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	24	\$1,335B	\$16.61B	\$48.95B	\$73.90B	\$114.04B
Large Cap, Beta Growth, Beta: Value	11	\$208B	\$0.93B	\$5.88B	\$11.71B	\$34.38B
Large Cap, Beta Growth, Beta: Growth	10	\$270B	\$0.59B	\$3.88B	\$9.32B	\$5.41B
Small Cap, Beta, Beta	12	\$225B	\$0.47B	\$5.66B	\$7.48B	\$27.14B
Mid Cap, Beta, Beta: Growth	6	\$41B	\$0.10B	\$0.16B	(\$0.63B)	(\$2.08B)
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.05B	\$0.74B	\$1.19B	\$4.78B
Mid Cap, Beta, Beta	10	\$193B	\$0.04B	\$2.29B	\$2.51B	\$9.14B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.02B)	\$0.02B	(\$0.28B)	\$1.20B
Small Cap, Beta, Beta: Value	7	\$58B	(\$0.15B)	\$0.44B	\$0.42B	\$8.96B

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

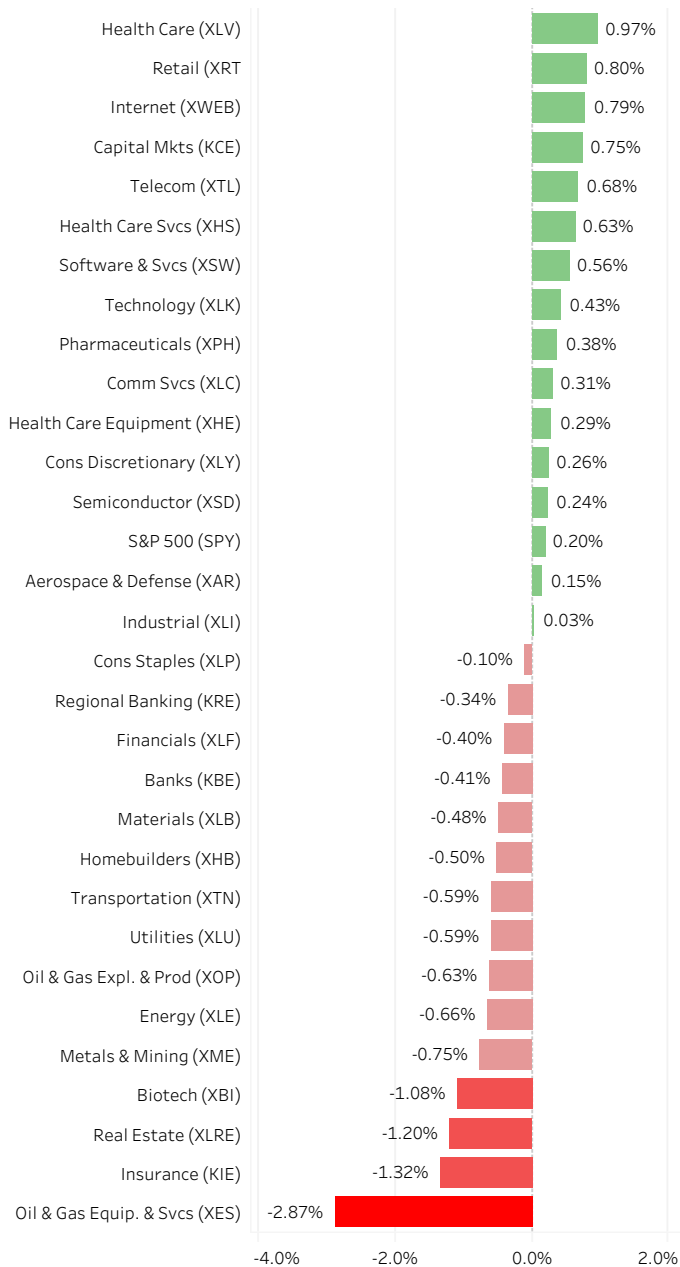
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$7.74B	\$7.40B	\$9.32B	\$19.48B	\$315.54B
SPY	SPDR S&P 500 ETF Trust	\$4.63B	\$16.54B	\$16.62B	\$24.01B	\$416.43B
QQQ	Invesco QQQ Trust	\$1.86B	\$7.71B	\$15.53B	\$14.62B	\$200.42B
VOO	Vanguard S&P 500 ETF	\$1.57B	\$12.60B	\$23.93B	\$41.72B	\$267.48B
SDY	SPDR S&P Dividend ETF	\$1.03B	\$0.19B	(\$0.13B)	\$0.10B	\$20.86B
VTI	Vanguard Total Stock Market ETF	\$0.48B	\$10.61B	\$20.12B	\$44.81B	\$282.56B
PSC	Principal U.S. Small-Cap Multi-Factor ETF	\$0.39B	\$0.38B	(\$0.14B)	\$0.91B	\$2.01B
VONV	Vanguard Russell 1000 Value ETF	\$0.33B	\$0.66B	\$2.09B	\$2.98B	\$6.97B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.32B	\$0.32B	\$2.42B	\$1.92B	\$14.72B
USMC	Principal U.S. Mega-Cap ETF	\$0.31B	\$0.35B	\$0.01B	\$0.40B	\$2.44B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.38B)	(\$0.12B)	(\$0.17B)	\$0.84B	\$8.87B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.23B)	(\$0.69B)	(\$1.05B)	(\$0.51B)	\$21.18B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.22B)	(\$0.34B)	\$0.22B	\$5.27B	\$15.46B
PRFZ	Invesco FTSE RAFI US 1500 Small-Mid ETF	(\$0.10B)	(\$0.16B)	(\$0.17B)	(\$0.35B)	\$1.88B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.09B)	\$1.22B	\$2.24B	\$9.31B	\$30.63B
IWF	iShares Russell 1000 Growth ETF	(\$0.09B)	\$0.72B	\$0.33B	(\$1.73B)	\$76.99B
IWM	iShares Russell 2000 ETF	(\$0.09B)	\$1.82B	\$1.46B	\$8.19B	\$70.35B
RPG	Invesco S&P 500 Pure Growth ETF	(\$0.07B)	\$0.33B	\$0.23B	(\$0.08B)	\$3.46B
VTWO	Vanguard Russell 2000 ETF	(\$0.04B)	\$0.45B	\$1.20B	\$3.46B	\$6.56B
XMLV	Invesco S&P MidCap Low Volatility ETF	(\$0.04B)	(\$0.11B)	(\$0.25B)	(\$0.81B)	\$1.36B

\* 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%	30.02%	3.20%	9.09%	68.57
XLK	Technology Select Sector SPDR Fund	0.00%	34.52%	3.57%	11.71%	68.03
XLY	Consumer Discretionary Select Sector SPDR Fund	0.00%	33.21%	8.53%	14.09%	79.82
XLF	Financial Select Sector SPDR Fund	-0.89%	51.41%	4.44%	11.29%	60.90
XLI	Industrial Select Sector SPDR Fund	-0.99%	24.54%	2.27%	4.41%	60.63
XLRE	Real Estate Select Sector SPDR Fund	-1.87%	36.39%	2.51%	10.51%	61.75
XLV	Health Care Select Sector SPDR Fund	-2.21%	23.40%	1.81%	7.43%	64.74
XLP	Consumer Staples Select Sector SPDR Fund	-2.36%	12.56%	0.28%	2.63%	56.08
XLE	Energy Select Sector SPDR Fund	-2.82%	75.80%	9.68%	13.63%	60.08
XLB	Materials Select Sector SPDR Fund	-4.01%	25.47%	2.26%	4.24%	59.41
XLU	Utilities Select Sector SPDR Fund	-4.51%	14.65%	0.22%	2.77%	55.11
XLC	Communication Services Select Sector SPDR Fund	-6.68%	27.12%	-2.46%	2.32%	45.42

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IHI	iShares U.S. Medical Devices ETF	1.11%
FXL	First Trust Technology AlphaDEX Fund	1.03%
PRN	Invesco DWA Industrials Momentum ETF	0.98%
XLV	Health Care Select Sector SPDR Fund	0.97%
IYH	iShares U.S. Healthcare ETF	0.93%
PSI	Invesco Dynamic Semiconductors ETF	0.88%
PTF	Invesco DWA Technology Momentum ETF	0.86%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	0.83%
FTXL	First Trust Nasdaq Semiconductor ETF	0.81%
XRT	SPDR S&P Retail ETF	0.80%

### Sector & Industry Most Overbought

Ticker	Fund	1 Day Performance
XLY	Consumer Discretionary Select Sector SPDR Fund	79.82
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	73.00
XSD	SPDR S&P Semiconductor ETF	72.93
VCR	Vanguard Consumer Discretionary ETF	72.53
IYC	iShares U.S. Consumer Discretionary ETF	72.46
FTXR	First Trust Nasdaq Transportation ETF	70.94
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	70.13
KCE	SPDR S&P Capital Markets ETF	69.90
IYT	iShares US Transportation ETF	69.74
IHF	iShares U.S. Healthcare Providers ETF	69.71

### Sector & Industry 1 Day Performance Laggards

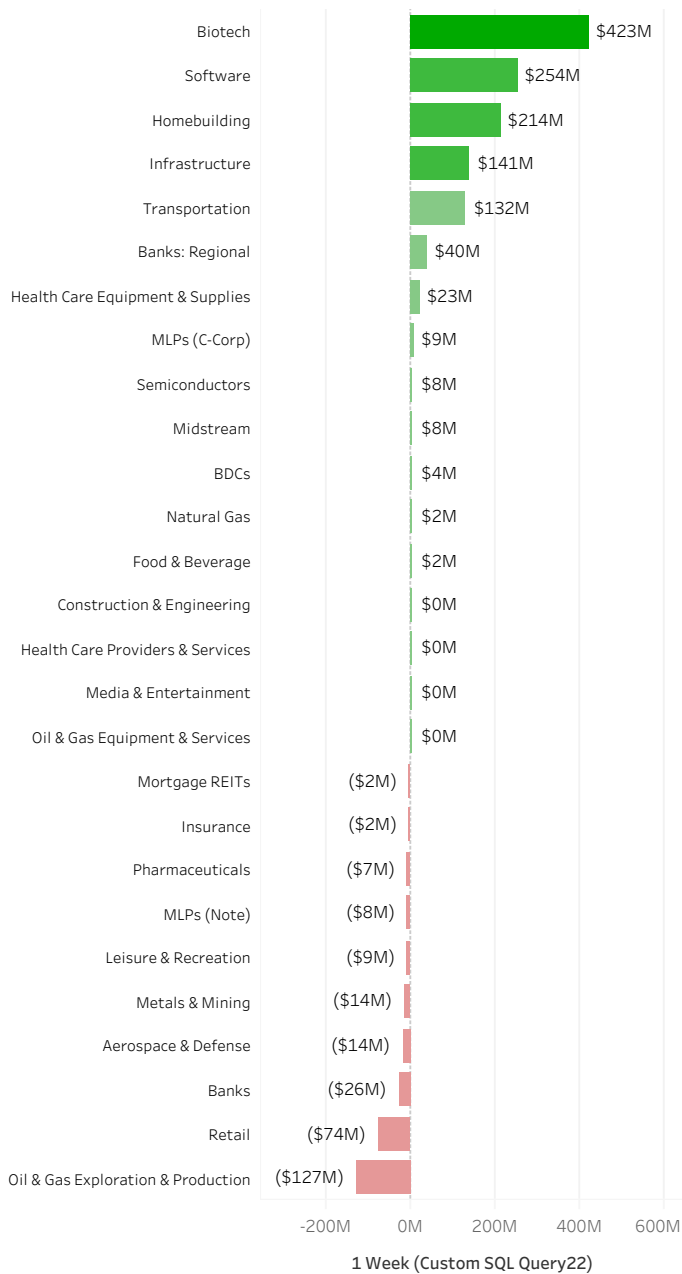
Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-2.87%
IEZ	iShares U.S. Oil Equipment & Services ETF	-2.63%
AMZA	InfraCap MLP ETF	-2.30%
NETL	NETLease Corporate Real Estate ETF	-1.77%
MLPX	Global X MLP & Energy Infrastructure ETF	-1.65%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.64%
VRAI	Virtus Real Asset Income ETF	-1.58%
FCG	First Trust Natural Gas ETF	-1.56%
AMLP	Alerian MLP ETF	-1.49%
TPYP	Tortoise North American Pipeline Fund	-1.37%

### Sector & Industry Most Oversold

Ticker	Fund	1 Day Performance
IYZ	iShares U.S. Telecommunications ETF	38.36
XAR	SPDR S&P Aerospace & Defense ETF	38.60
ITA	iShares U.S. Aerospace & Defense ETF	38.88
PEJ	Invesco Dynamic Leisure & Entertainment ETF	42.17
AMZA	InfraCap MLP ETF	43.76
XLC	Communication Services Select Sector SPDR Fund	45.42
FCOM	Fidelity MSCI Communication Services Index ETF	45.57
PPA	Invesco Aerospace & Defense ETF	45.85
XES	SPDR S&P Oil & Gas Equipment & Services ETF	46.17
VOX	Vanguard Communication Services ETF	46.17

\* 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	\$96M	\$1,228M	\$2,091M	\$2,538M
Consumer Discretionary	13	\$36B	\$29M	\$202M	(\$766M)	\$3,074M
Consumer Staples	12	\$20B	\$157M	(\$1,219M)	\$1,391M	(\$3,612M)
Energy	34	\$57B	\$495M	\$820M	\$492M	\$11,646M
Financials	28	\$86B	(\$10M)	\$4,357M	\$2,943M	\$25,285M
Health Care	26	\$89B	\$896M	\$441M	\$3,798M	\$3,679M
Industrial	14	\$35B	(\$541M)	(\$2,468M)	(\$4,388M)	\$2,788M
Materials	10	\$16B	\$124M	(\$1,703M)	(\$61M)	\$4,688M
Multi-Sector	17	\$26B	\$419M	\$1,085M	\$1,201M	\$3,951M
Real Estate	21	\$79B	\$464M	\$4,098M	\$6,709M	\$12,407M
Technology	24	\$150B	\$395M	\$4,563M	\$5,475M	\$5,475M
Utilities	10	\$20B	(\$19M)	\$36M	\$158M	(\$107M)

### U.S. Sector & Industry Flow Leaders

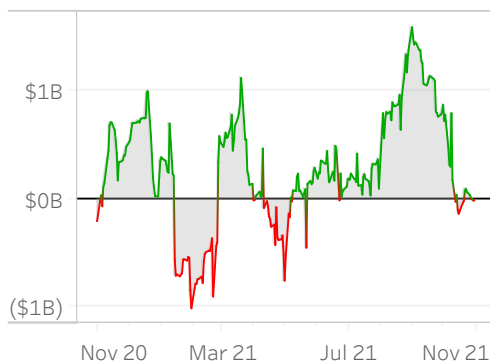
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$577M	\$1,037M	\$958M	\$8,058M	\$28,022M
XLV	Health Care Select Sector SPDR Fund	\$496M	(\$643M)	\$3,453M	\$2,344M	\$31,541M
XBI	SPDR S&P BIOTECH ETF	\$287M	\$297M	\$210M	\$1,190M	\$7,190M
IGV	iShares Expanded Tech-Software Sector ETF	\$261M	\$1,186M	\$374M	(\$420M)	\$6,533M
IYR	iShares U.S. Real Estate ETF	\$226M	\$1,611M	\$193M	\$1,617M	\$7,330M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$178M	\$711M	(\$562M)	\$710M	\$22,511M
XLP	Consumer Staples Select Sector SPDR Fund	\$164M	(\$1,333M)	\$1,278M	(\$3,058M)	\$11,792M
IBB	iShares Biotechnology ETF	\$143M	(\$184M)	(\$278M)	(\$385M)	\$10,375M
XLRE	Real Estate Select Sector SPDR Fund	\$137M	\$587M	\$1,411M	\$1,688M	\$4,716M
XHB	SPDR S&P Homebuilders ETF	\$131M	\$122M	(\$107M)	\$43M	\$2,030M

### U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$500M)	(\$1,997M)	(\$3,447M)	\$498M	\$17,834M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$180M)	(\$168M)	(\$722M)	(\$50M)	\$4,165M
VIS	Vanguard Industrials ETF	(\$150M)	(\$278M)	(\$191M)	\$727M	\$5,169M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	(\$114M)	(\$255M)	(\$417M)	\$109M	\$568M
XRT	SPDR S&P Retail ETF	(\$73M)	(\$215M)	\$72M	\$148M	\$861M
XLF	Financial Select Sector SPDR Fund	(\$62M)	\$1,550M	\$1M	\$12,964M	\$45,526M
KBE	SPDR S&P Bank ETF	(\$44M)	\$236M	(\$732M)	\$593M	\$3,464M
FNCL	Fidelity MSCI Financials Index ETF	(\$28M)	\$47M	\$109M	\$629M	\$1,954M
FHLC	Fidelity MSCI Health Care Index ETF	(\$26M)	\$86M	\$106M	\$272M	\$2,922M
XLU	Utilities Select Sector SPDR Fund	(\$23M)	(\$157M)	(\$177M)	(\$288M)	\$12,267M

\* 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



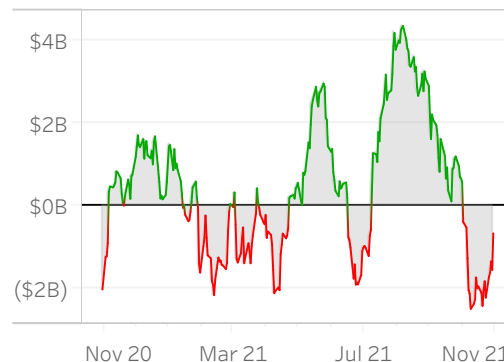
Financials



Industrial



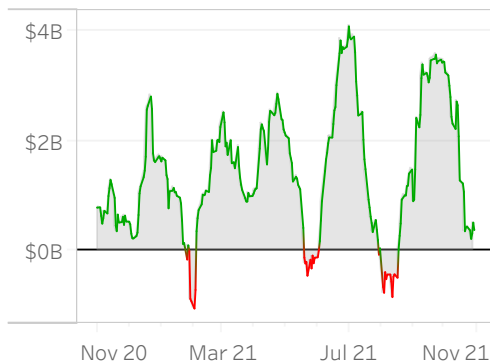
Health Care



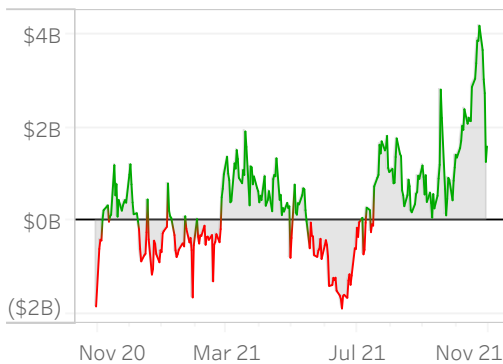
Materials



Real Estate



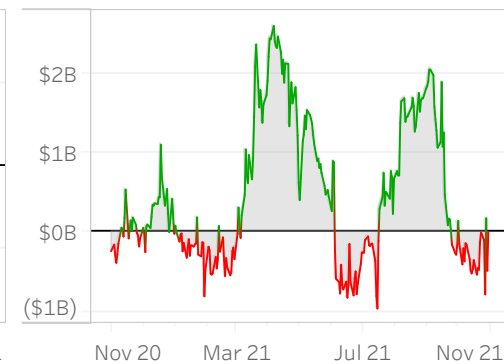
Technology



Utilities

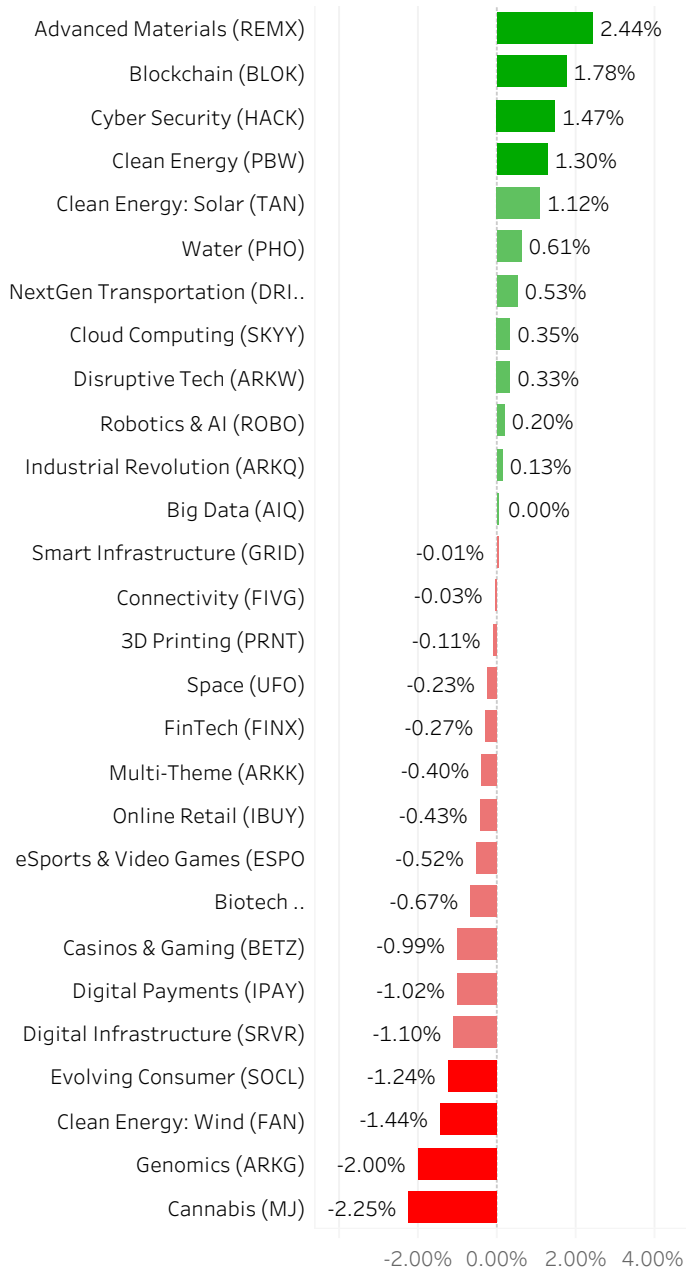


Multi-Sector

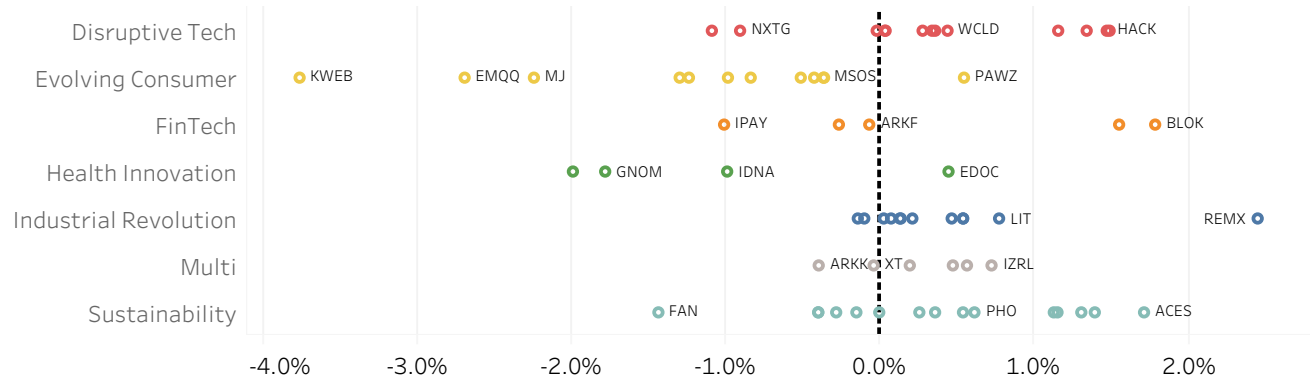


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KSTR	KraneShares SSE STAR Market 50 Index ETF	2.46%
REMX	VanEck Rare Earth/Strategic Metals ETF	2.44%
HDR0	Defiance Next Gen H2 ETF	1.98%
BKCH	Global X Blockchain ETF	1.95%
BLOK	Amplify Transformational Data Sharing ETF	1.78%
ACES	ALPS Clean Energy ETF	1.71%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	1.55%
CIBR	First Trust NASDAQ Cybersecurity ETF	1.48%
HACK	ETFMG Prime Cyber Security ETF	1.47%
EVX	VanEck Environmental Services ETF	1.41%

Thematic Most Overbought

Ticker	Fund	Price
SMOG	VanEck Low Carbon Energy ETF	79.40
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	77.66
ERTH	Invesco MSCI Sustainable Future ETF	76.22
ICLN	iShares Global Clean Energy ETF	76.02
ACES	ALPS Clean Energy ETF	74.96
CTEC	Global X CleanTech ETF	74.11
TAN	Invesco Solar ETF	73.00
CNRG	SPDR S&P Kensho Clean Power ETF	72.86
PBD	Invesco Global Clean Energy ETF	72.61
HDR0	Defiance Next Gen H2 ETF	72.50

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	-3.77%
POTX	Global X Cannabis ETF	-2.78%
EMQQ	Emerging Markets Internet & Ecommerce ETF	-2.70%
MJ	ETFMG Alternative Harvest ETF	-2.25%
ARKG	ARK Genomic Revolution ETF	-2.00%
KEMQ	KraneShares Emerging Markets Consumer Technology I..	-1.95%
GNOM	Global X Genomics & Biotechnology ETF	-1.79%
THCX	Cannabis ETF	-1.75%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-1.59%
FAN	First Trust Global Wind Energy ETF	-1.44%

Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	30.91
CNBS	Amplify Seymour Cannabis ETF	31.67
IPAY	ETFMG Prime Mobile Payments ETF	34.26
MJ	ETFMG Alternative Harvest ETF	34.76
YOLO	AdvisorShares Pure Cannabis ETF	35.31
THCX	Cannabis ETF	35.85
GERM	ETFMG Treatments Testing and Advancements ETF	36.73
POTX	Global X Cannabis ETF	37.40
AWAY	ETFMG Travel Tech ETF	41.04
KWEB	KraneShares CSI China Internet ETF	41.05

\* 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
LIT	Global X Lithium & Battery Tech ETF	\$326M
TAN	Invesco Solar ETF	\$195M
KWEB	KraneShares CSI China Internet ETF	\$122M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$85M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$69M
BUG	Global X Cybersecurity ETF	\$34M
FIW	First Trust Water ETF	\$27M
KEMQ	KraneShares Emerging Markets Consumer Technology Index ETF	\$27M
META	Roundhill Ball Metaverse ETF	\$24M
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	\$20M

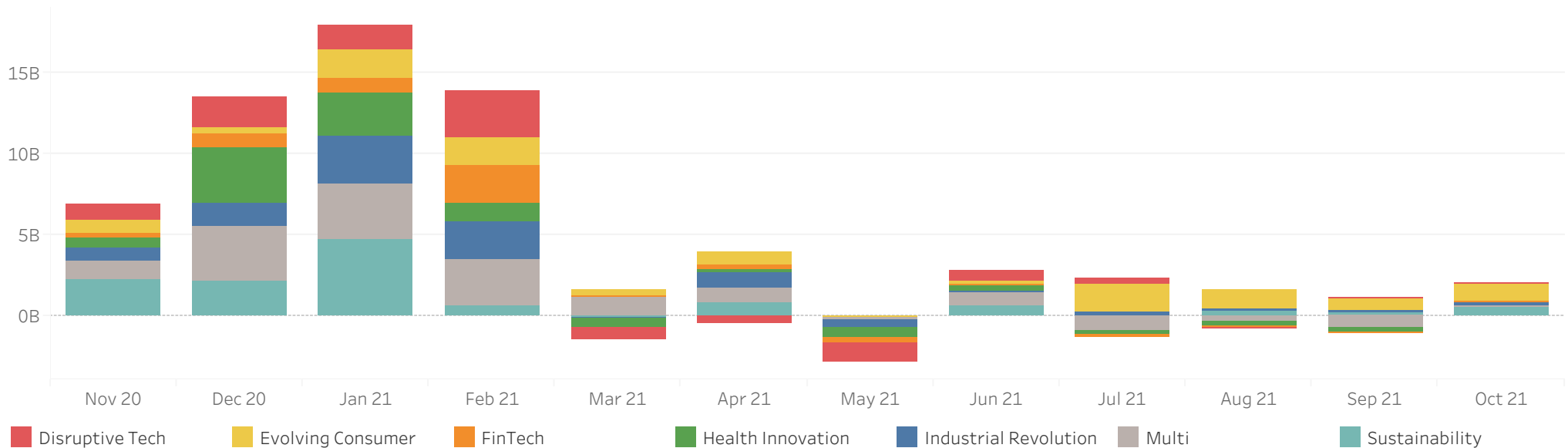
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$375M)
ARKW	ARK Next Generation Internet ETF	(\$31M)
IBUY	Amplify Online Retail ETF	(\$22M)
BATT	Amplify Lithium & Battery Technology ETF	(\$22M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$17M)
AWAY	ETFMG Travel Tech ETF	(\$15M)
HACK	ETFMG Prime Cyber Security ETF	(\$13M)
HERO	Global X Video Games & Esports ETF	(\$9M)
SOCL	Global X Social Media ETF	(\$8M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$6M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	32	\$30B	\$108M	\$46M	(\$219M)	\$5,976M
Evolving Consumer	39	\$18B	(\$42M)	\$3,065M	\$4,951M	\$10,751M
FinTech	16	\$8B	\$31M	(\$88M)	(\$480M)	\$4,442M
Health Innovation	15	\$9B	(\$12M)	(\$506M)	(\$1,025M)	\$6,483M
Industrial Revolution	24	\$18B	\$293M	\$477M	\$355M	\$8,418M
Multi	28	\$30B	(\$200M)	(\$867M)	(\$1,080M)	\$11,705M
Sustainability	36	\$25B	\$294M	\$1,100M	\$1,736M	\$12,487M
Grand Total	190	\$140B	\$473M	\$3,228M	\$4,237M	\$60,262M

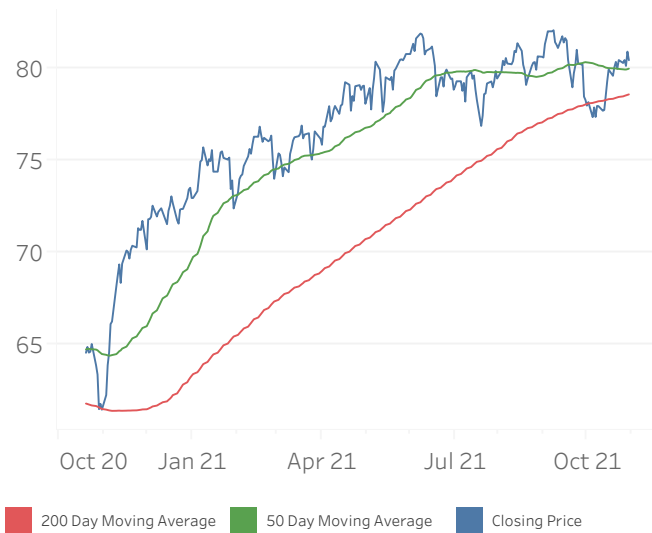
### Thematic Monthly Flows



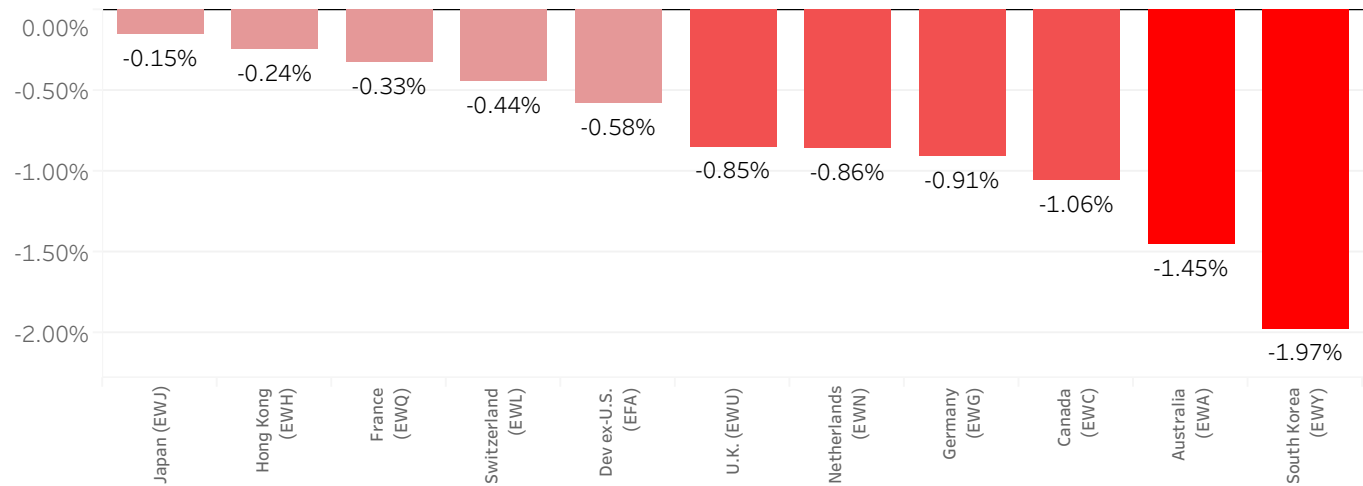
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



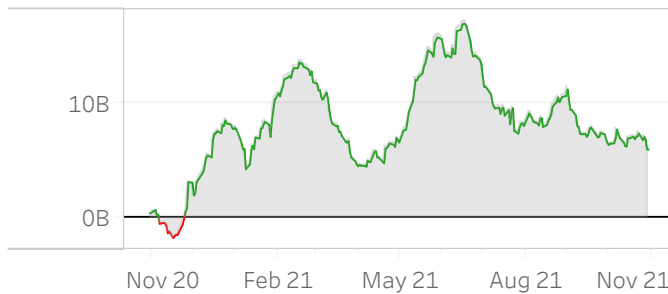
Developed ex-U.S. (EFA)



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



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



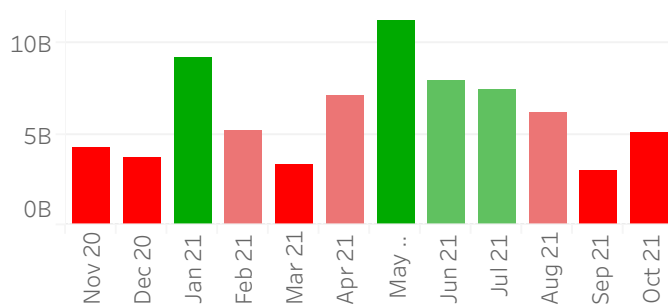
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
HEDJ	WisdomTree Europe Hedged Equity Fund	0.59%
ENZL	iShares MSCI New Zealand ETF	0.41%
ISRA	VanEck Israel ETF	0.38%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.35%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.23%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.19%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	0.17%
EIS	iShares MSCI Israel ETF	0.12%
DXJ	WisdomTree Japan Hedged Equity Fund	0.08%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	0.08%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
TOK	iShares MSCI Kokusai ETF	68.29
EIS	iShares MSCI Israel ETF	66.39
ISRA	VanEck Israel ETF	65.11
HEZU	iShares Currency Hedged MSCI Eurozone ETF	65.01
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	64.80
HEDJ	WisdomTree Europe Hedged Equity Fund	64.02
EWL	iShares MSCI Switzerland ETF	63.13
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	62.97
BBCA	JPMorgan BetaBuilders Canada ETF	62.33
EWQ	iShares MSCI France ETF	61.43

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-2.47%
AIA	iShares Asia 50 ETF	-2.03%
FLKR	Franklin FTSE South Korea ETF	-1.99%
EWY	iShares MSCI South Korea ETF	-1.97%
NORW	Global X MSCI Norway ETF	-1.72%
EWO	iShares MSCI Austria ETF	-1.55%
EWA	iShares MSCI Australia ETF	-1.45%
FGM	First Trust Germany AlphaDEX Fund	-1.45%
FEUZ	First Trust Eurozone AlphaDEX ETF	-1.34%
FDD	First Trust Stoxx European Select Dividend Index Fund	-1.28%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
EWJV	iShares MSCI Japan Value ETF	38.90
DFJ	WisdomTree Japan SmallCap Dividend Fund	41.78
DOO	WisdomTree International Dividend ex-Financials Fu..	43.37
SCJ	iShares MSCI Japan Small-Cap ETF	43.77
JPXN	iShares JPX-Nikkei 400 ETF	44.30
EWY	iShares MSCI South Korea ETF	44.35
FLJP	Franklin FTSE Japan ETF	44.52
EWJ	iShares MSCI Japan ETF	44.65
BBJP	JPMorgan BetaBuilders Japan ETF	44.66
FLKR	Franklin FTSE South Korea ETF	45.01

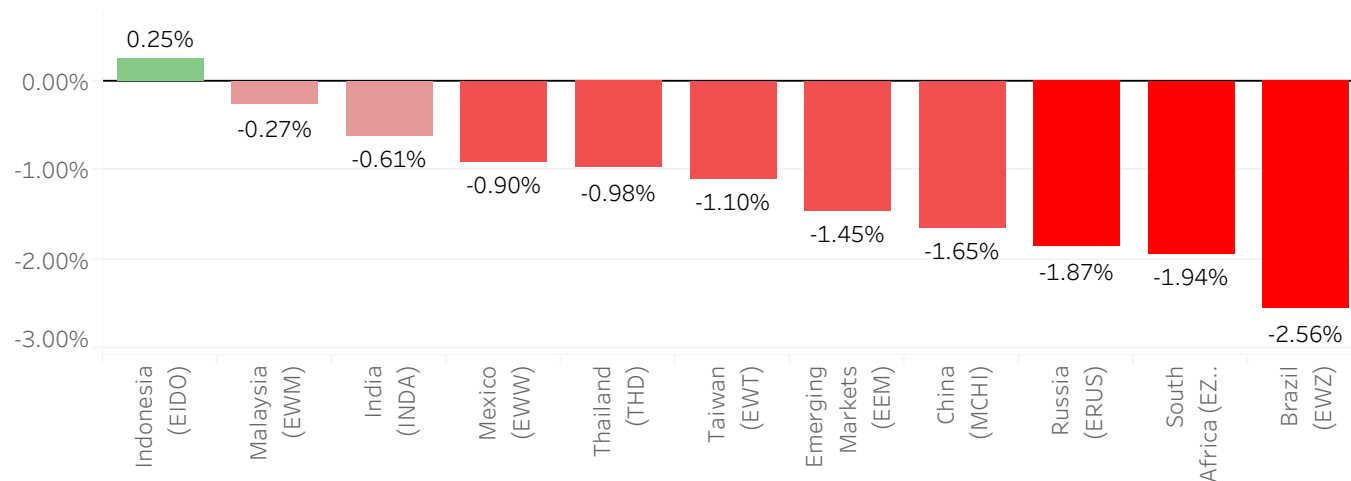
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



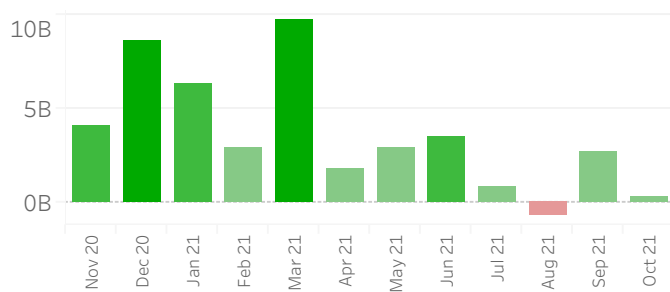
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIDO	iShares MSCI Indonesia ETF	0.25%
KBA	KraneShares Bosera MSCI China A Share ETF	0.13%
GLIN	VanEck India Growth Leaders ETF	0.12%
CNYA	iShares MSCI China A ETF	0.02%
ECNS	iShares MSCI China Small-Cap ETF	-0.08%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.23%
EWM	iShares MSCI Malaysia ETF	-0.27%
SMIN	iShares MSCI India Small Cap ETF	-0.36%
EPOL	iShares MSCI Poland ETF	-0.39%
EWX	SPDR S&P Emerging Markets Small Cap ETF	-0.40%

Emerging Most Overbought

Ticker	Fund	Value
FM	iShares MSCI Frontier and Select EM ETF	74.96
VNM	VanEck Vietnam ETF	68.96
EPU	iShares MSCI Peru ETF	63.74
EIDO	iShares MSCI Indonesia ETF	60.90
KSA	iShares MSCI Saudi Arabia ETF	56.71
QAT	iShares MSCI Qatar ETF	55.17
EWT	iShares MSCI Taiwan ETF	53.98
PIE	Invesco DWA Emerging Markets Momentum ETF	53.58
KBA	KraneShares Bosera MSCI China A Share ETF	53.00
EPHE	iShares MSCI Philippines ETF	52.73

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	-2.74%
EWZ	iShares MSCI Brazil ETF	-2.56%
FLBR	Franklin FTSE Brazil ETF	-2.52%
ILF	iShares Latin America 40 ETF	-2.37%
FNI	First Trust Chindia ETF	-2.36%
ADRE	Invesco BDRS Emerging Markets 50 ADR Index Fund	-2.16%
RSX	VanEck Russia ETF	-2.05%
EZA	iShares MSCI South Africa ETF	-1.94%
FXI	iShares China Large-Cap ETF	-1.87%
ERUS	iShares MSCI Russia ETF	-1.87%

Emerging Most Oversold

Ticker	Fund	Value
EWZS	iShares MSCI Brazil Small-Cap ETF	30.65
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	31.68
FLBR	Franklin FTSE Brazil ETF	32.90
EWZ	iShares MSCI Brazil ETF	32.97
ILF	iShares Latin America 40 ETF	33.70
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	34.34
DEM	WisdomTree Emerging Markets High Dividend Fund	35.42
JPEM	J.P. Morgan Diversified Return Emerging Markets E..	36.08
FEM	First Trust Emerging Markets AlphaDEX Fund	36.38
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	37.56

\*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%	-0.03%	-1.68%
SHY	1-3 Year Treasury Bonds	0.01%	-0.31%	-0.45%
IEF	7-10 Year Treasury Bonds	0.04%	-0.32%	-3.87%
TLT	20+ Year Treasury Bonds	0.31%	2.45%	-5.27%
TIP	TIPS Bonds	-0.26%	1.12%	4.34%
FLOT	Floating Rate Bonds	-0.02%	-0.07%	0.47%
LQD	Investment Grade Corporate	-0.05%	0.27%	-1.70%
HYG	High Yield Corporate	-0.26%	-0.42%	2.63%
BKLN	Senior Loan	-0.09%	-0.15%	1.70%
PFF	Preferred & Income Securities	0.36%	1.47%	5.92%
MUB	Municipal Bonds	0.07%	-0.01%	0.30%
MBB	MBS	0.02%	-0.17%	-1.06%
EMB	Dollar Denominated EM Bonds	-0.34%	0.14%	-2.47%
LEMB	Local Currency EM Bond	-0.38%	-1.02%	-7.49%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.76%	4.82%	38.04%
DBE	Energy	-0.49%	8.83%	68.27%
USO	WTI Crude Oil	-0.44%	9.23%	73.13%
BNO	Brent Crude Oil	-0.22%	8.54%	72.75%
UNG	Natural Gas	-4.25%	-2.02%	100.65%
UGA	Gasoline	-0.08%	11.56%	74.70%
DBP	Precious Metals	-0.84%	4.91%	-8.29%
GLD	Gold	-0.85%	3.30%	-6.57%
SLV	Silver	-0.81%	10.73%	-10.09%
PPLT	Platinum	-0.39%	6.50%	-5.98%
PALL	Palladium	0.40%	7.58%	-19.09%
DBB	Base Metals	-0.42%	1.71%	24.10%
CPER	Copper	-0.96%	5.25%	23.50%
LD	Lead	-1.94%	14.31%	22.10%
JJN	Nickel	-0.29%	7.95%	16.61%
JJU	Aluminum	-0.69%	-5.89%	35.52%
JJT	Tin	2.89%	4.82%	108.41%
DBA	Agriculture	-0.05%	1.53%	19.52%
CORN	Corn	0.66%	5.53%	37.16%
SOYB	Soybeans	0.37%	-2.60%	11.81%
WEAT	Wheat	-0.40%	8.35%	21.65%
CANE	Sugar	-1.79%	-0.53%	37.93%
BAL	Cotton	1.35%	12.84%	41.19%
NIB	Cocoa	-0.89%	-1.97%	-4.13%
JO	Coffee	2.09%	5.16%	49.91%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.80%	-0.39%	4.17%
UDN	Short Dollar	-0.83%	0.18%	-5.21%
FXE	Euro	-1.08%	-0.39%	-6.19%
FXB	British Pound Sterling	-0.80%	1.97%	-0.26%
FXF	Swiss Franc	-0.47%	1.96%	-4.31%
FXJ	Japanese Yen	-0.35%	-1.74%	-9.84%
FXC	Canadian Dollar	-0.23%	3.15%	2.52%
FXA	Australian Dollar	-0.30%	4.83%	-2.81%

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Contact us at:

[team@etfaction.com](mailto:team@etfaction.com)

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