

Large Cap Blend (S&P 500) IVV



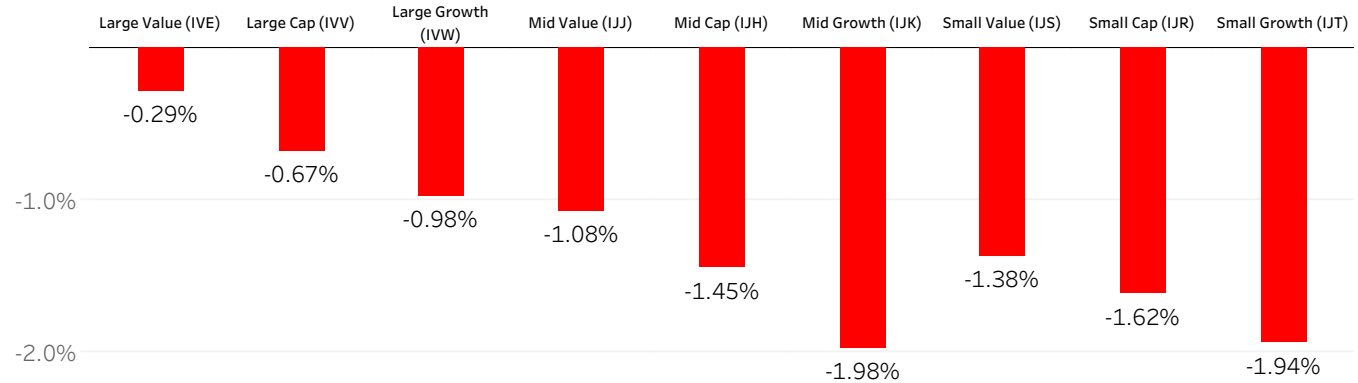
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SPVU	Invesco S&P 500 Enhanced Value ETF	0.29%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.15%
PWV	Invesco Dynamic Large Cap Value ETF	0.14%
DIA	SPDR Dow Jones Industrial Average ETF Trust	0.03%
LVHD	Legg Mason Low Volatility High Dividend ETF	0.02%
OUSA	QShares U.S. Quality Dividend ETF	0.00%
EDOW	First Trust Dow 30 Equal Weight ETF	-0.02%
MGV	Vanguard Mega Cap Value ETF	-0.03%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.05%
HDV	iShares Core High Dividend ETF	-0.05%

Size & Style Most Overbought

Ticker	Fund	Value
OUSA	QShares U.S. Quality Dividend ETF	60.74
SPLV	Invesco S&P 500 Low Volatility ETF	60.26
HLAL	Wahed FTSE USA Shariah ETF	59.37
QDEF	FlexShares Quality Dividend Defensive Index Fund	59.28
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	58.93
DGRW	WisdomTree US Quality Dividend Growth Fund	58.74
HUSV	First Trust Horizon Managed Volatility Domestic ETF	58.52
LVHD	Legg Mason Low Volatility High Dividend ETF	58.44
DSTL	Distillate US Fundamental Stability & Value ETF	58.39
DEF	Invesco Defensive Equity ETF	58.33

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-3.94%
BUZZ	VanEck Social Sentiment ETF	-3.61%
VTWG	Vanguard Russell 2000 Growth ETF	-2.84%
IWO	iShares Russell 2000 Growth ETF	-2.82%
ISCG	iShares Morningstar Small-Cap Growth ETF	-2.67%
FPX	First Trust US Equity Opportunities ETF	-2.65%
QQQN	VictoryShares Nasdaq Next 50 ETF	-2.65%
FFTY	Innovator IBD 50 ETF	-2.60%
VBK	Vanguard Small-Cap Growth ETF	-2.59%
FYC	First Trust Small Cap Growth AlphaDEX Fund	-2.57%

Size & Style Most Oversold

Ticker	Fund	Value
IPO	Renaissance IPO ETF	36.76
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	37.98
BUZZ	VanEck Social Sentiment ETF	38.83
JSML	Janus Henderson Small Cap Growth Alpha ETF	39.43
FEVR	Inspire Faithward Large Cap Momentum ESG ETF	40.15
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	40.50
IWC	iShares Micro-Cap ETF	40.64
FFTY	Innovator IBD 50 ETF	40.74
OALC	OneAscent Large Cap Core ETF	40.95
GURU	Global X Guru Index ETF	41.07

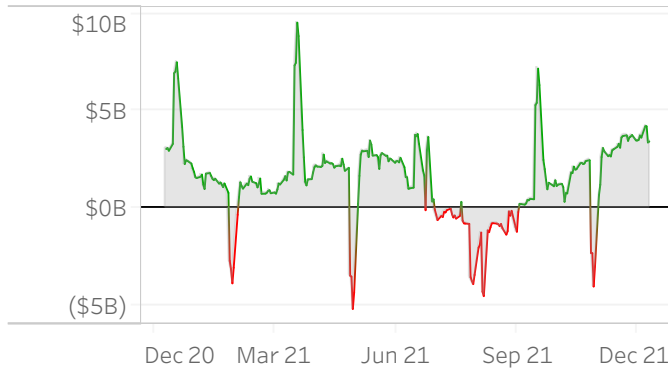
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

\*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: Value	11	\$210B	\$0.75B	\$6.21B	\$7.83B	\$29.67B
Large Cap, Beta Growth, Beta: Growth	10	\$281B	\$0.41B	\$2.12B	\$11.27B	\$7.19B
Mid Cap, Beta, Beta	10	\$197B	\$0.27B	\$4.49B	\$5.26B	\$10.11B
Mid Cap, Beta, Beta: Value	6	\$43B	\$0.14B	\$0.76B	(\$0.26B)	\$3.84B
Small Cap, Beta, Beta: Growth	7	\$39B	\$0.06B	\$0.21B	\$0.62B	\$1.03B
Small Cap, Beta, Beta: Value	7	\$58B	\$0.04B	\$0.62B	(\$0.70B)	\$6.95B
Small Cap, Beta, Beta	12	\$227B	(\$0.31B)	\$7.43B	\$9.33B	\$22.31B
Mid Cap, Beta, Beta: Growth	6	\$42B	(\$0.46B)	\$0.50B	\$0.62B	(\$2.02B)
Large Cap, Beta Growth, Beta	24	\$1,388B	(\$3.29B)	\$41.10B	\$91.46B	\$124.69B

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

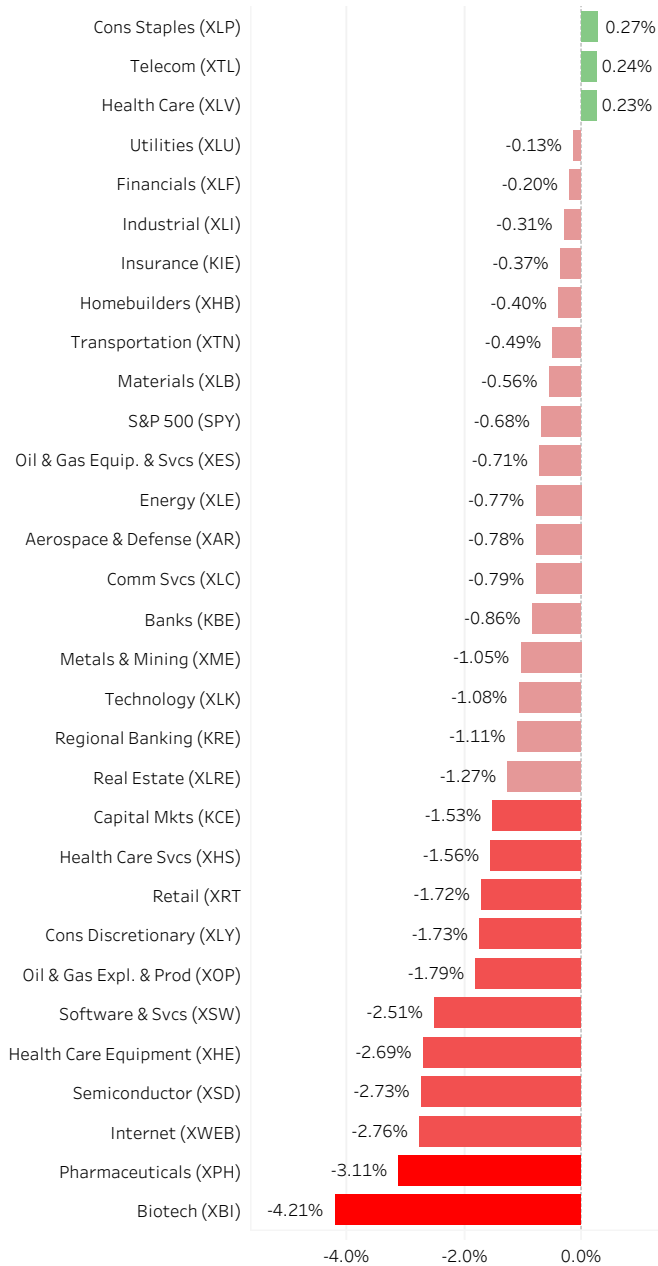
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$0.87B	\$12.29B	\$23.56B	\$43.87B	\$294.28B
FNDX	Schwab Fundamental US Large Co. Index ETF	\$0.52B	\$0.87B	\$1.10B	\$1.66B	\$8.54B
VTV	Vanguard Value ETF	\$0.37B	\$2.74B	\$4.65B	\$14.03B	\$89.38B
IWD	iShares Russell 1000 Value ETF	\$0.34B	\$2.18B	\$1.96B	\$5.40B	\$58.00B
IWF	iShares Russell 1000 Growth ETF	\$0.34B	(\$1.03B)	\$1.01B	(\$2.80B)	\$78.51B
IVV	iShares Core S&P 500 ETF	\$0.29B	\$11.68B	\$19.09B	\$24.06B	\$330.69B
VB	Vanguard Small-Cap ETF	\$0.26B	\$1.85B	\$2.98B	\$6.67B	\$50.16B
VIG	Vanguard Dividend Appreciation ETF	\$0.19B	\$1.26B	\$2.53B	\$3.88B	\$67.28B
VYM	Vanguard High Dividend Yield Index ETF	\$0.17B	\$1.17B	\$1.87B	\$3.65B	\$40.90B
IJR	iShares Core S&P Small Cap ETF	\$0.16B	\$2.35B	\$1.46B	\$4.26B	\$74.09B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	(\$2.93B)	\$9.71B	\$21.70B	\$48.73B	\$276.92B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	(\$1.32B)	\$0.22B	\$0.32B	\$0.39B	\$1.98B
QQQ	Invesco QQQ Trust	(\$0.89B)	\$5.45B	\$17.30B	\$17.09B	\$210.64B
IWM	iShares Russell 2000 ETF	(\$0.71B)	\$1.83B	\$1.67B	\$4.12B	\$69.61B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.64B)	\$0.09B	(\$0.52B)	\$0.30B	\$15.27B
MDYG	SPDR S&P 400 Mid Cap Growth ETF	(\$0.55B)	\$0.02B	\$0.09B	(\$0.52B)	\$1.78B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.14B)	\$0.33B	\$0.36B	\$8.21B	\$30.81B
RPV	Invesco S&P 500 Pure Value ETF	(\$0.13B)	\$0.12B	(\$0.35B)	\$1.37B	\$2.78B
DFAT	Dimensional U.S. Targeted Value ETF	(\$0.10B)	\$0.13B	\$0.34B	\$0.34B	\$6.56B
VUG	Vanguard Growth ETF	(\$0.08B)	(\$0.27B)	\$2.03B	\$3.43B	\$90.59B

\* 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)
XLP	Consumer Staples Select Sector SPDR Fund	-0.31%	15.26%	2.00%	3.51%	57.31
SPY	SPDR S&P 500 ETF Trust	-0.72%	26.87%	2.21%	7.84%	54.68
XLK	Technology Select Sector SPDR Fund	-1.08%	36.25%	5.48%	14.68%	58.47
XLRE	Real Estate Select Sector SPDR Fund	-1.27%	39.59%	3.10%	9.22%	55.58
XLU	Utilities Select Sector SPDR Fund	-1.84%	17.85%	3.21%	4.35%	60.49
XLV	Health Care Select Sector SPDR Fund	-2.00%	21.04%	2.32%	5.50%	60.91
XLI	Industrial Select Sector SPDR Fund	-2.05%	23.77%	1.02%	2.54%	52.98
XLB	Materials Select Sector SPDR Fund	-2.60%	24.24%	2.33%	4.89%	54.79
XLY	Consumer Discretionary Select Sector SPDR Fund	-3.71%	30.64%	2.35%	11.88%	49.69
XLE	Energy Select Sector SPDR Fund	-3.92%	51.00%	-0.14%	8.59%	51.81
XLF	Financial Select Sector SPDR Fund	-3.96%	34.94%	-1.13%	4.48%	48.38
XLC	Communication Services Select Sector SPDR Fund	-10.91%	17.79%	-3.64%	-3.64%	42.86

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IGN	iShares North American Tech-Multimedia Network..	1.56%
IYK	iShares U.S. Consumer Staples ETF	0.28%
IHF	iShares U.S. Healthcare Providers ETF	0.28%
XLP	Consumer Staples Select Sector SPDR Fund	0.27%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ..	0.25%
XTL	SPDR S&P Telecom ETF	0.24%
XLV	Health Care Select Sector SPDR Fund	0.23%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	0.14%
VDC	Vanguard Consumer Staples ETF	0.04%
FXG	First Trust Consumer Staples AlphaDEX Fund	-0.03%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	70.23
XHB	SPDR S&P Homebuilders ETF	66.47
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	62.00
FTXL	First Trust Nasdaq Semiconductor ETF	61.00
XLV	Health Care Select Sector SPDR Fund	60.91
IGN	iShares North American Tech-Multimedia Networking E..	60.85
XLU	Utilities Select Sector SPDR Fund	60.49
RYU	Invesco S&P 500 Equal Weight Utilities ETF	60.46
VPU	Vanguard Utilities ETF	60.38
FUTY	Fidelity MSCI Utilities Index ETF	60.26

### Sector & Industry 1 Day Performance Laggards

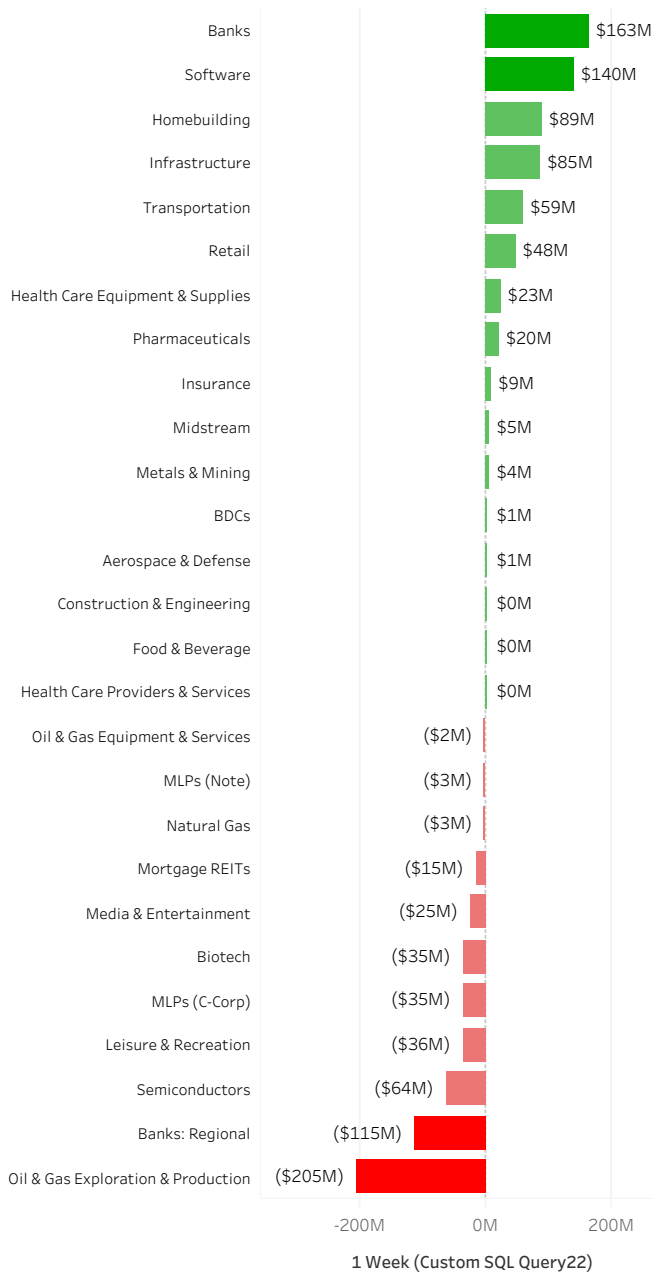
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-4.21%
PSJ	Invesco Dynamic Software ETF	-3.66%
PTF	Invesco DWA Technology Momentum ETF	-3.43%
XPH	SPDR S&P Pharmaceuticals ETF	-3.11%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-2.99%
PSI	Invesco Dynamic Semiconductors ETF	-2.78%
XSD	SPDR S&P Semiconductor ETF	-2.73%
XHE	SPDR S&P Health Care Equipment ETF	-2.69%
XSW	SPDR S&P Software & Services ETF	-2.51%
PSCH	Invesco S&P SmallCap Health Care ETF	-2.50%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XPH	SPDR S&P Pharmaceuticals ETF	30.66
PJP	Invesco Dynamic Pharmaceuticals ETF	33.18
AMLPA	Alerian MLP ETF	37.53
PSCH	Invesco S&P SmallCap Health Care ETF	37.55
ENFR	Alerian Energy Infrastructure ETF	37.80
XBI	SPDR S&P BIOTECH ETF	37.80
MLPA	Global X MLP ETF	38.31
PBE	Invesco Dynamic Biotechnology & Genome ETF	38.35
AMZA	InfraCap MLP ETF	38.51
PNQI	Invesco NASDAQ Internet ETF	38.52

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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
Communication Services	9	\$20B	(\$156M)	(\$421M)	\$1,328M	\$1,219M
Consumer Discretionary	13	\$39B	\$248M	\$1,837M	\$1,320M	\$3,112M
Consumer Staples	12	\$21B	\$671M	(\$429M)	\$526M	(\$1,979M)
Energy	34	\$54B	(\$64M)	\$1,487M	(\$1,230M)	\$8,844M
Financials	28	\$83B	\$1,578M	\$2,584M	(\$1,781M)	\$20,398M
Health Care	26	\$90B	\$580M	\$342M	\$5,105M	\$3,713M
Industrial	14	\$35B	\$259M	(\$982M)	(\$4,550M)	\$184M
Materials	10	\$16B	(\$423M)	(\$688M)	(\$3,199M)	\$3,543M
Multi-Sector	17	\$27B	\$146M	\$1,328M	\$1,539M	\$4,200M
Real Estate	22	\$81B	\$220M	\$1,718M	\$5,622M	\$12,226M
Technology	24	\$161B	\$436M	\$4,953M	\$8,312M	\$6,983M
Utilities	10	\$21B	\$215M	(\$203M)	\$1,625M	\$287M

## U.S. Sector & Industry Flow Leaders

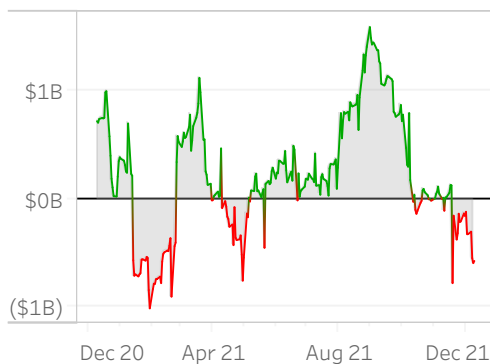
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$1,371M	\$1,311M	(\$2,395M)	\$9,862M	\$43,665M
XLP	Consumer Staples Select Sector SPDR Fund	\$677M	(\$592M)	\$251M	(\$1,680M)	\$12,611M
IYW	iShares U.S. Technology ETF	\$444M	\$508M	\$1,309M	\$1,040M	\$10,227M
XLV	Health Care Select Sector SPDR Fund	\$398M	(\$418M)	\$3,461M	\$3,125M	\$33,112M
IYC	iShares U.S. Consumer Discretionary ETF	\$194M	\$228M	\$7M	\$220M	\$1,685M
XLI	Industrial Select Sector SPDR Fund	\$188M	(\$871M)	(\$3,306M)	(\$1,694M)	\$17,537M
XLU	Utilities Select Sector SPDR Fund	\$170M	(\$437M)	\$1,222M	(\$167M)	\$13,083M
KBWB	Invesco KBW Bank ETF	\$153M	\$14M	\$304M	\$1,134M	\$3,046M
XLRE	Real Estate Select Sector SPDR Fund	\$148M	\$927M	\$1,915M	\$2,441M	\$5,596M
IGV	iShares Expanded Tech-Software Sector ETF	\$144M	\$866M	\$815M	(\$268M)	\$6,227M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLB	Materials Select Sector SPDR Fund	(\$453M)	(\$335M)	(\$2,210M)	\$1,454M	\$7,943M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$202M)	(\$144M)	(\$1,228M)	(\$574M)	\$3,363M
XLC	Communication Services Select Sector SPDR Fu..	(\$161M)	(\$414M)	\$646M	\$277M	\$13,992M
KRE	SPDR S&P Regional Banking ETF	(\$124M)	(\$40M)	(\$624M)	\$2,036M	\$4,848M
SOXX	iShares Semiconductor ETF	(\$77M)	\$873M	\$1,223M	\$2,184M	\$9,671M
FXL	First Trust Technology AlphaDEX Fund	(\$74M)	(\$49M)	(\$2M)	(\$288M)	\$2,791M
IYR	iShares U.S. Real Estate ETF	(\$61M)	(\$1,521M)	(\$586M)	(\$246M)	\$6,315M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$61M)	\$1,745M	\$906M	\$680M	\$24,244M
XBI	SPDR S&P BIOTECH ETF	(\$56M)	\$427M	\$259M	\$899M	\$6,692M
VOX	Vanguard Communication Services ETF	(\$37M)	(\$170M)	\$424M	\$556M	\$4,197M

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Communication Services



Consumer Discretionary



Consumer Staples



Energy



Financials



Industrial



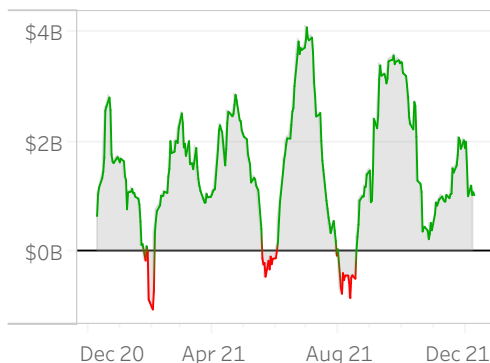
Health Care



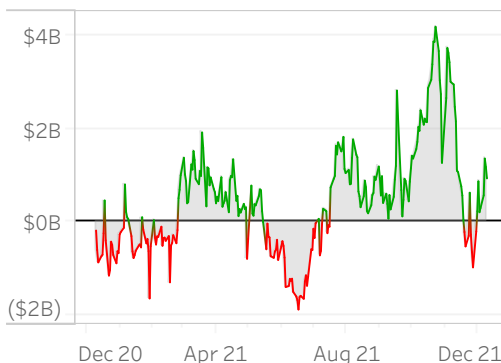
Materials



Real Estate



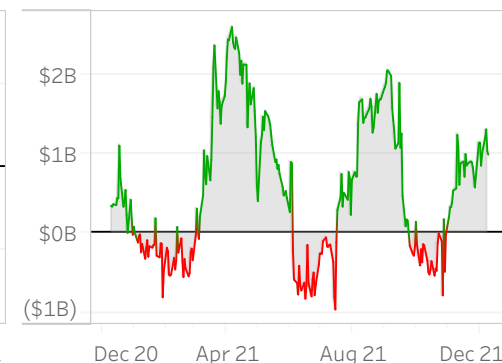
Technology



Utilities

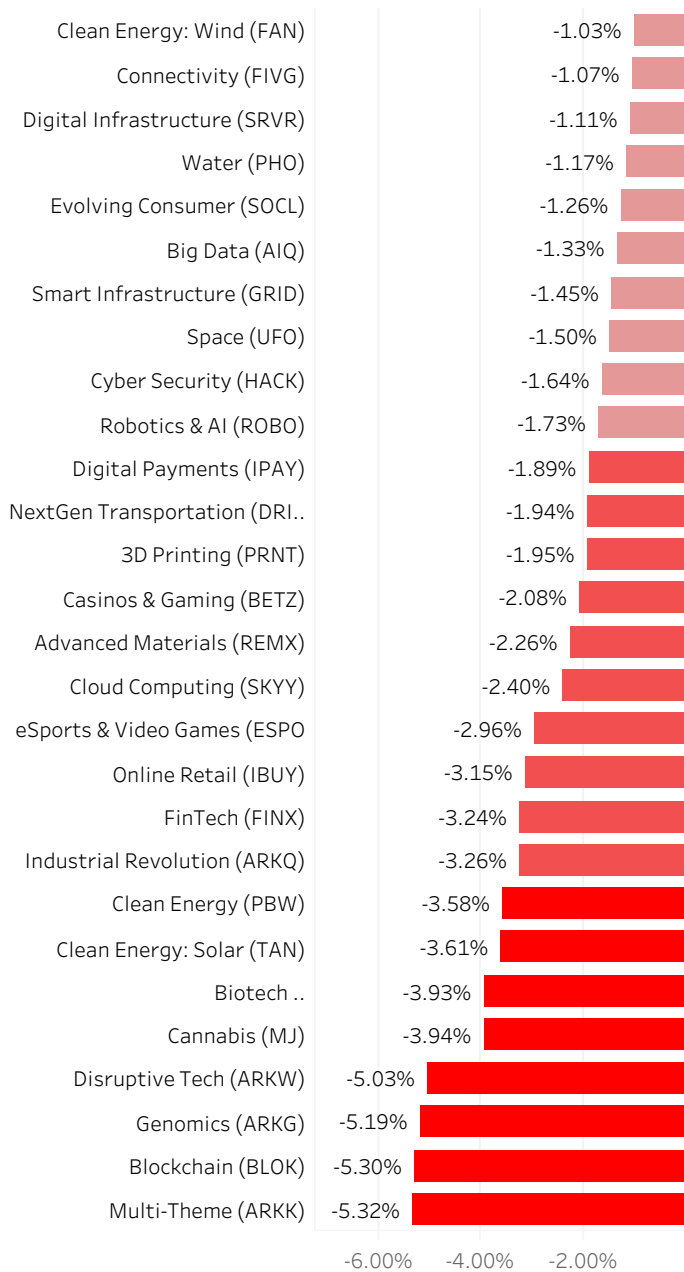


Multi-Sector

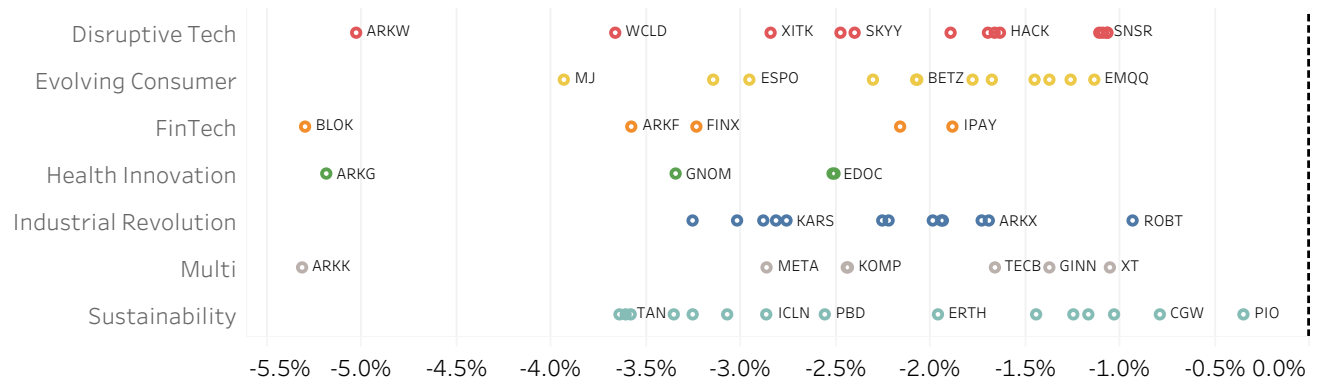


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.52%
PIO	Invesco Global Water ETF	-0.35%
GENY	Principal Millennials ETF	-0.48%
AGNG	Global X Aging Population ETF	-0.54%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-0.73%
EBLU	Ecofin Global Water ESG Fund	-0.76%
KEMQ	KraneShares Emerging Markets Consumer Technology In..	-0.79%
CGW	Invesco S&P Global Water Index ETF	-0.79%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-0.85%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-0.89%

## Thematic Most Overbought

Ticker	Fund	Price
PIO	Invesco Global Water ETF	57.70
NXTG	First Trust Indxx NextG ETF	56.85
EBLU	Ecofin Global Water ESG Fund	56.16
CGW	Invesco S&P Global Water Index ETF	55.26
FIVG	Defiance Next Gen Connectivity ETF	54.91
PHO	Invesco Water Resources ETF	53.12
SNSR	Global X Internet of Things ETF	52.93
VPN	Global X Data Center REITs & Digital Infrastructure ETF	52.88
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	52.50
FIW	First Trust Water ETF	52.30

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
DAPP	VanEck Digital Transformation ETF	-8.10%
BKCH	Global X Blockchain ETF	-7.34%
BITQ	Bitwise Crypto Industry Innovators ETF	-7.07%
ARKK	ARK Innovation ETF	-5.32%
BLOK	Amplify Transformational Data Sharing ETF	-5.30%
ARKG	ARK Genomic Revolution ETF	-5.19%
HDRO	Defiance Next Gen H2 ETF	-5.05%
ARKW	ARK Next Generation Internet ETF	-5.03%
THCX	Cannabis ETF	-3.98%
MJ	ETFMG Alternative Harvest ETF	-3.94%

## Thematic Most Oversold

Ticker	Fund	Price
IBUY	Amplify Online Retail ETF	30.69
DAPP	VanEck Digital Transformation ETF	33.03
ONLN	ProShares Online Retail ETF	33.17
ARKF	ARK Fintech Innovation ETF	33.39
BITQ	Bitwise Crypto Industry Innovators ETF	33.75
ARKW	ARK Next Generation Internet ETF	33.94
EBIZ	Global X E-Commerce ETF	34.59
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	34.63
BLOK	Amplify Transformational Data Sharing ETF	34.84
FINX	Global X FinTech ETF	34.99

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## Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$92M
LIT	Global X Lithium & Battery Tech ETF	\$61M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$56M
ARKG	ARK Genomic Revolution ETF	\$51M
MSOS	AdvisorShares Pure US Cannabis ETF	\$48M
BLOK	Amplify Transformational Data Sharing ETF	\$38M
SARK	Tuttle Capital Short Innovation ETF	\$38M
META	Roundhill Ball Metaverse ETF	\$34M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$25M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$24M

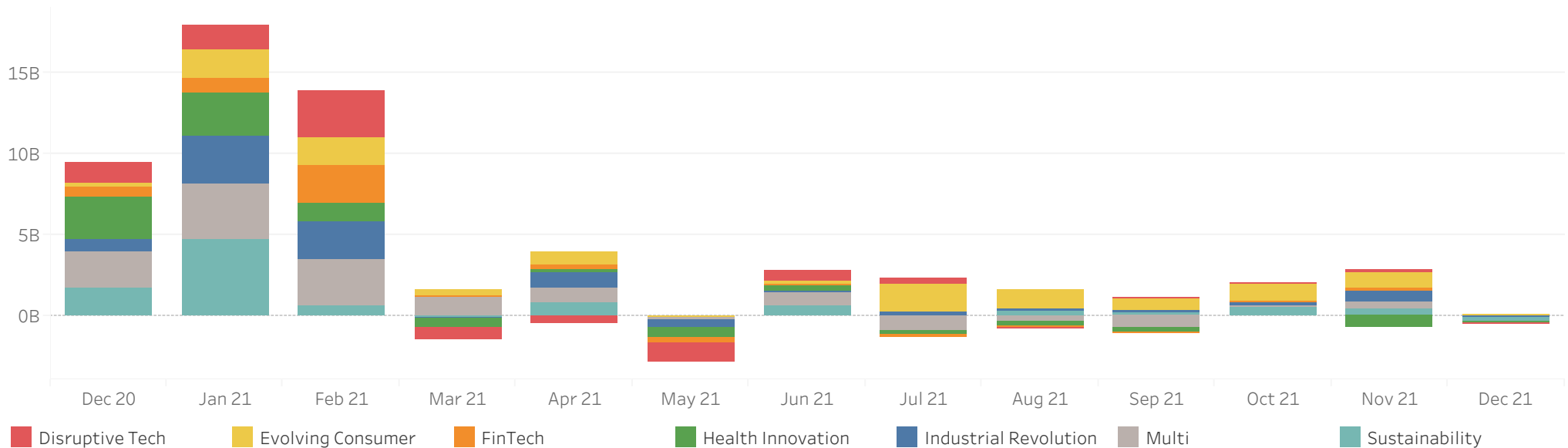
## Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
TAN	Invesco Solar ETF	(\$163M)
ARKW	ARK Next Generation Internet ETF	(\$103M)
ARKF	ARK Fintech Innovation ETF	(\$95M)
ICLN	iShares Global Clean Energy ETF	(\$87M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$47M)
PBW	Invesco WilderHill Clean Energy ETF	(\$46M)
EDOC	Global X Telemedicine & Digital Health ETF	(\$39M)
IBUY	Amplify Online Retail ETF	(\$37M)
ARKK	ARK Innovation ETF	(\$36M)
FIVG	Defiance Next Gen Connectivity ETF	(\$16M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	37	\$29B	(\$23M)	\$205M	\$1,133M	\$4,561M
Evolving Consumer	43	\$17B	\$76M	\$1,939M	\$5,911M	\$10,846M
FinTech	17	\$7B	\$7M	\$58M	(\$43M)	\$4,006M
Health Innovation	16	\$7B	\$17M	(\$928M)	(\$1,220M)	\$4,299M
Industrial Revolution	24	\$19B	\$15M	\$801M	\$1,414M	\$7,825M
Multi	28	\$27B	(\$27M)	\$185M	(\$295M)	\$9,746M
Sustainability	36	\$24B	(\$204M)	\$872M	\$1,961M	\$9,925M
Grand Total	201	\$131B	(\$140M)	\$3,133M	\$8,860M	\$51,208M

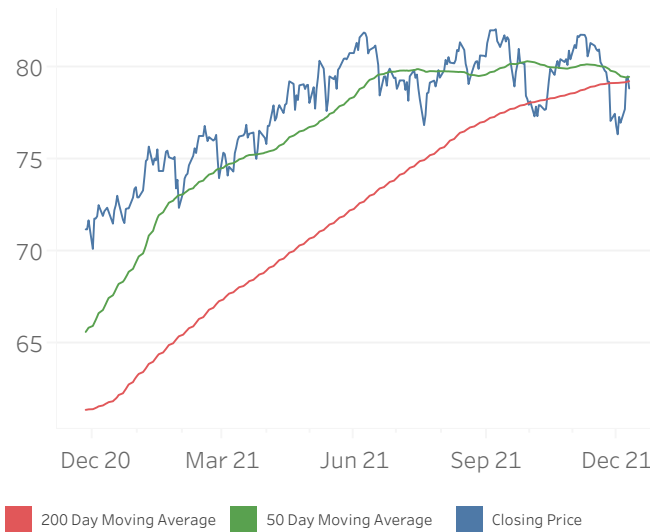
## Thematic Monthly Flows



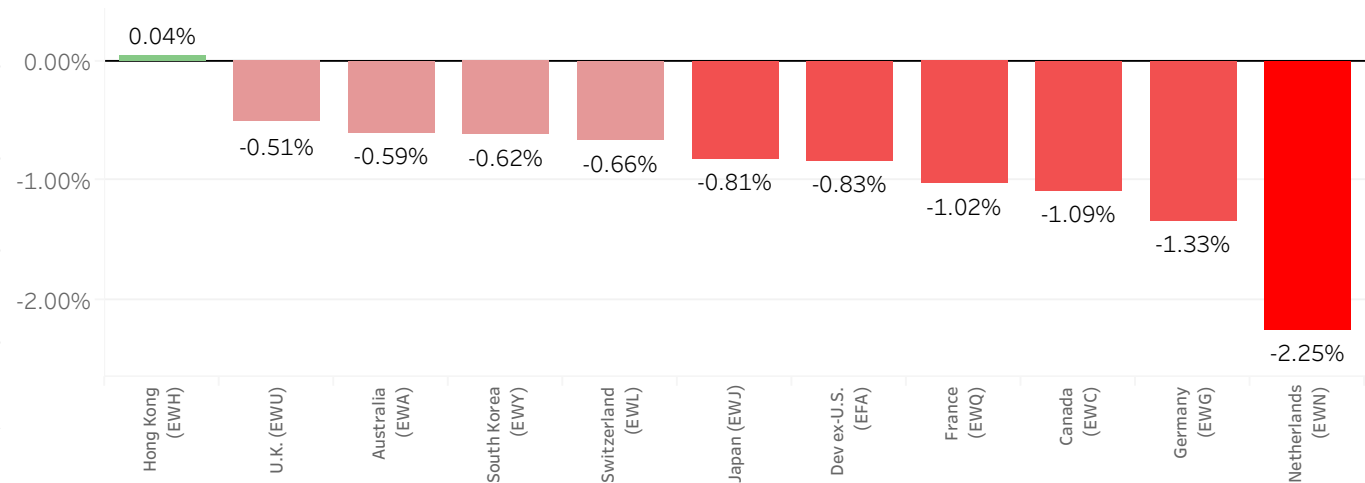
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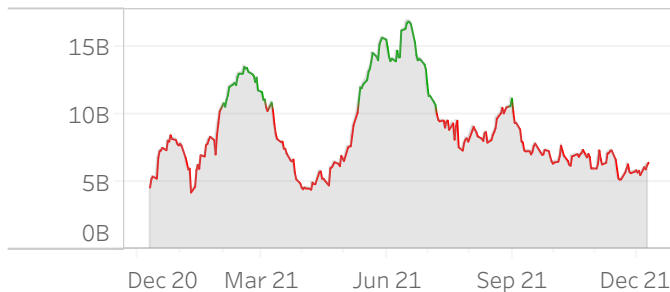
Developed ex-U.S. (EFA)



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



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



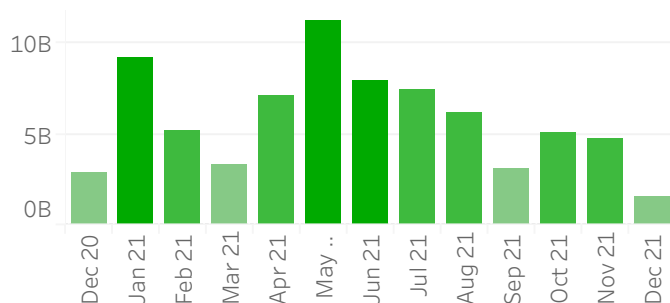
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	0.04%
LVHI	Legg Mason International Low Volatility High Dividend ETF	-0.08%
GREK	Global X MSCI Greece ETF	-0.11%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.15%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	-0.22%
EDEN	iShares MSCI Denmark ETF	-0.27%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.27%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatility I...	-0.28%
FGM	First Trust Germany AlphaDEX Fund	-0.28%
DVYA	iShares Asia/Pacific Dividend ETF	-0.30%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWL	iShares MSCI Switzerland ETF	60.28
EWY	iShares MSCI South Korea ETF	56.71
FLKR	Franklin FTSE South Korea ETF	56.49
FSZ	First Trust Switzerland AlphaDEX Fund	55.27
IHDG	WisdomTree International Hedged Quality Dividend Grow..	54.56
LVHI	Legg Mason International Low Volatility High Dividend ETF	53.47
EIS	iShares MSCI Israel ETF	53.29
EUDG	WisdomTree Europe Quality Dividend Growth Fund	53.20
TTAI	FCF International Quality ETF	53.16
EFAV	iShares MSCI EAFE Min Vol Factor ETF	52.79

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ENOR	iShares MSCI Norway ETF	-2.46%
EWN	iShares MSCI Netherlands ETF	-2.25%
EWP	iShares MSCI Spain ETF	-1.97%
PTEU	Pacer Trendpilot European Index ETF	-1.49%
FEZ	SPDR EURO STOXX 50 ETF	-1.48%
ISRA	VanEck Israel ETF	-1.39%
EIRL	iShares MSCI Ireland ETF	-1.35%
EWG	iShares MSCI Germany ETF	-1.33%
EZU	iShares MSCI Eurozone ETF	-1.32%
IDOG	ALPS International Sector Dividend Dogs ETF	-1.28%

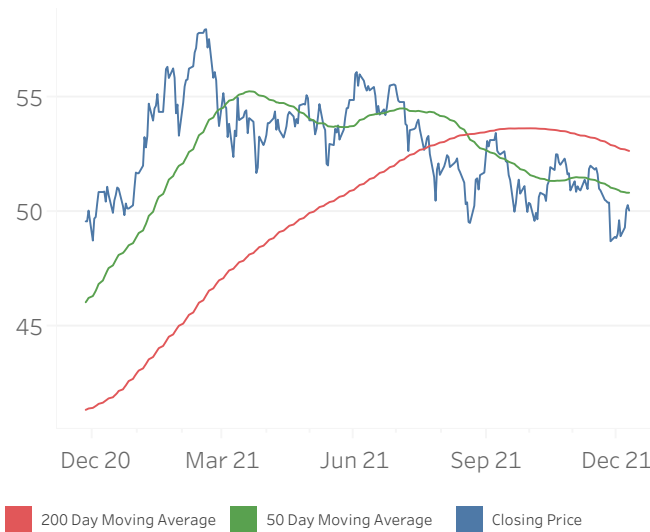
Developed ex-U.S. Most Oversold

Ticker	Fund	Price
EWP	iShares MSCI Spain ETF	33.98
EWS	iShares MSCI Singapore ETF	35.87
SCHC	Schwab International Small-Cap Equity ETF	36.26
FNDG	Schwab Fundamental International Small Co. Index ..	38.97
ENZL	iShares MSCI New Zealand ETF	39.62
EWN	iShares MSCI Netherlands ETF	39.78
FNDG	Schwab Fundamental International Large Co. Index ..	40.00
SCHF	Schwab International Equity ETF	40.68
IEUS	iShares MSCI Europe Small-Cap ETF	41.69
EWUS	iShares MSCI United Kingdom Small Cap ETF	42.29

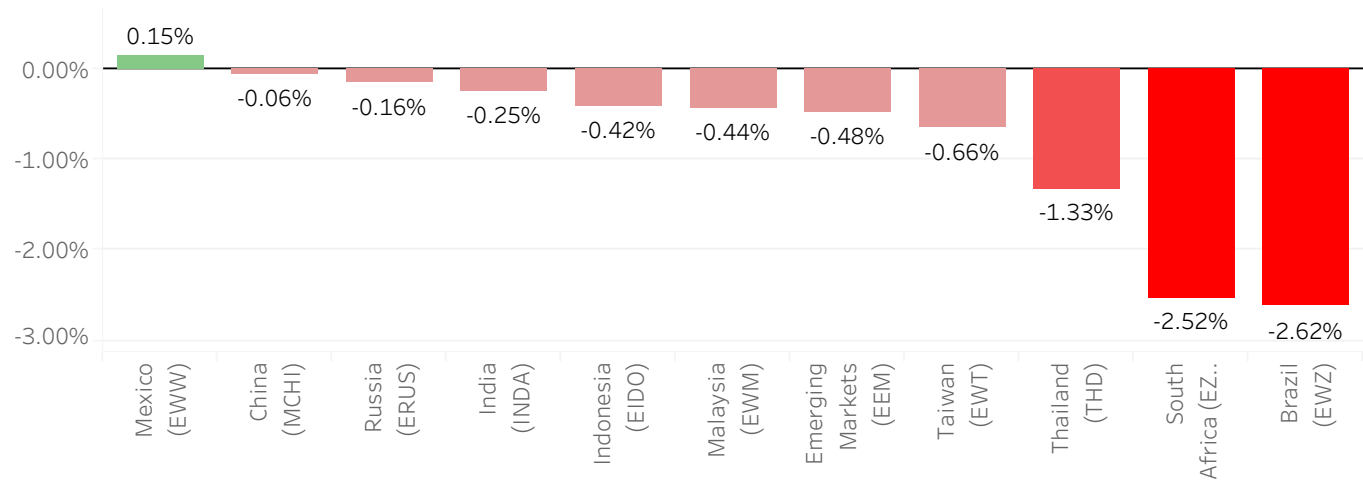
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



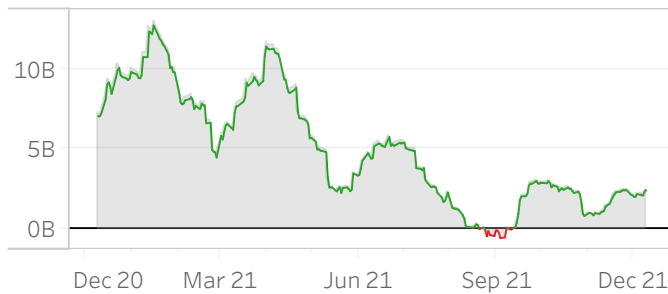
Emerging (EEM)



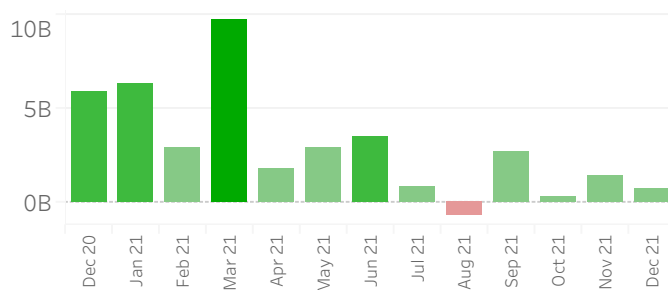
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EPHE	iShares MSCI Philippines ETF	1.00%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.72%
KBA	KraneShares Bosera MSCI China A Share ETF	0.54%
CNYA	iShares MSCI China A ETF	0.51%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	0.36%
ECNS	iShares MSCI China Small-Cap ETF	0.27%
SMIN	iShares MSCI India Small Cap ETF	0.23%
FLCH	Franklin FTSE China ETF	0.23%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.23%
EWW	iShares MSCI Mexico ETF	0.15%

Emerging Most Overbought

Ticker	Fund	Price
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	69.38
CNYA	iShares MSCI China A ETF	69.11
KBA	KraneShares Bosera MSCI China A Share ETF	68.19
EWT	iShares MSCI Taiwan ETF	60.15
EDIV	SPDR S&P Emerging Markets Dividend ETF	59.35
FEM	First Trust Emerging Markets AlphaDEX Fund	59.28
VNM	VanEck Vietnam ETF	58.35
DEM	WisdomTree Emerging Markets High Dividend Fund	56.19
PIE	Invesco DWA Emerging Markets Momentum ETF	55.86
UEVM	VictoryShares USAA MSCI Emerging Markets Value M..	55.84

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.12%
FLBR	Franklin FTSE Brazil ETF	-2.64%
EWZ	iShares MSCI Brazil ETF	-2.62%
EZA	iShares MSCI South Africa ETF	-2.52%
ECH	iShares MSCI Chile ETF	-1.87%
ILF	iShares Latin America 40 ETF	-1.65%
PGJ	Invesco Golden Dragon China ETF	-1.59%
EPOL	iShares MSCI Poland ETF	-1.56%
KSA	iShares MSCI Saudi Arabia ETF	-1.51%
ADRE	Invesco BDRS Emerging Markets 50 ADR Index Fund	-1.49%

Emerging Most Oversold

Ticker	Fund	Price
KSA	iShares MSCI Saudi Arabia ETF	34.05
PGJ	Invesco Golden Dragon China ETF	37.44
FNDE	Schwab Fundamental Emerging Markets Large Co. I..	37.63
RSX	VanEck Russia ETF	38.21
FNI	First Trust Chindia ETF	38.79
SCHE	Schwab Emerging Markets Equity ETF	39.07
FM	iShares MSCI Frontier and Select EM ETF	39.19
ERUS	iShares MSCI Russia ETF	39.21
EWM	iShares MSCI Malaysia ETF	39.79
EPOL	iShares MSCI Poland ETF	40.88

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

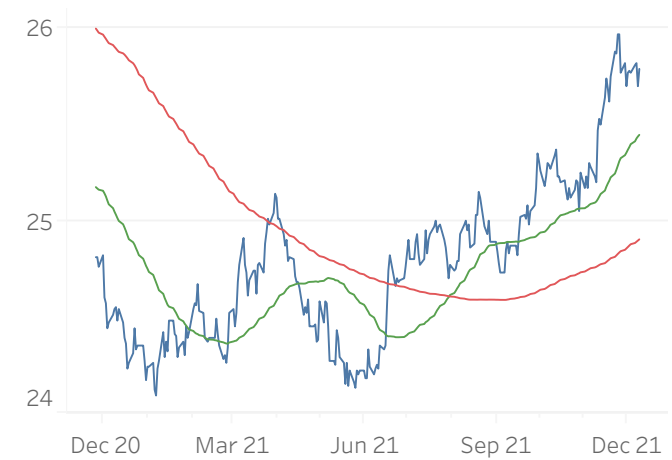
Fixed Income (AGG)



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	0.01%	-0.84%	-1.77%
SHY	1-3 Year Treasury Bonds	-0.04%	-0.44%	-0.77%
IEF	7-10 Year Treasury Bonds	0.25%	-0.34%	-3.20%
TLT	20+ Year Treasury Bonds	0.56%	-1.03%	-4.05%
TIP	TIPS Bonds	-0.41%	-1.59%	4.53%
FLOT	Floating Rate Bonds	-0.04%	-0.23%	0.26%
LQD	Investment Grade Corporate	-0.08%	-1.48%	-1.94%
HYG	High Yield Corporate	-0.45%	-0.85%	2.70%
BKLN	Senior Loan	-0.05%	-0.51%	1.59%
PFF	Preferred & Income Securities	-0.51%	-1.24%	4.68%
MUB	Municipal Bonds	0.03%	0.02%	0.83%
MBB	MBS	-0.01%	-0.65%	-1.50%
EMB	Dollar Denominated EM Bonds	-0.06%	-1.32%	-2.54%
LEMB	Local Currency EM Bond	-0.34%	-3.81%	-10.28%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.35%	-7.21%	26.44%
DBE	Energy	-1.91%	-10.92%	51.29%
USO	WTI Crude Oil	-2.67%	-11.99%	54.56%
BNO	Brent Crude Oil	-2.75%	-11.98%	54.04%
UNG	Natural Gas	-0.96%	-25.24%	34.57%
UGA	Gasoline	-2.17%	-9.19%	59.32%
DBP	Precious Metals	-0.83%	-4.64%	-10.33%
GLD	Gold	-0.61%	-3.16%	-7.00%
SLV	Silver	-2.22%	-9.90%	-17.38%
PPLT	Platinum	-2.54%	-11.83%	-13.43%
PALL	Palladium	-2.60%	-10.47%	-26.66%
DBB	Base Metals	-0.71%	0.81%	22.13%
CPER	Copper	-1.76%	-1.83%	20.88%
LD	Lead	-2.10%	-2.58%	16.40%
JJN	Nickel	-1.85%	2.29%	18.58%
JJU	Aluminum	-0.17%	1.88%	29.64%
JJT	Tin	0.30%	5.20%	122.30%
DBA	Agriculture	-0.56%	1.65%	21.93%
CORN	Corn	0.28%	3.10%	38.83%
SOYB	Soybeans	0.37%	3.06%	12.53%
WEAT	Wheat	-1.86%	-1.96%	21.00%
CANE	Sugar	-0.42%	-2.28%	39.41%
BAL	Cotton	-0.33%	-7.71%	34.17%
NIB	Cocoa	-1.12%	-0.67%	-9.78%
JO	Coffee	-1.65%	15.82%	74.83%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.35%	2.34%	6.39%
UDN	Short Dollar	-0.39%	-2.51%	-7.48%
FXE	Euro	-0.45%	-2.69%	-8.45%
FXB	British Pound Sterling	-0.08%	-2.56%	-3.69%
FXF	Swiss Franc	-0.45%	-1.47%	-5.26%
FXJ	Japanese Yen	0.22%	-0.55%	-9.48%
FXC	Canadian Dollar	-0.56%	-2.25%	-0.36%
FXA	Australian Dollar	-0.37%	-3.18%	-7.63%

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

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Contact us at:

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

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