

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

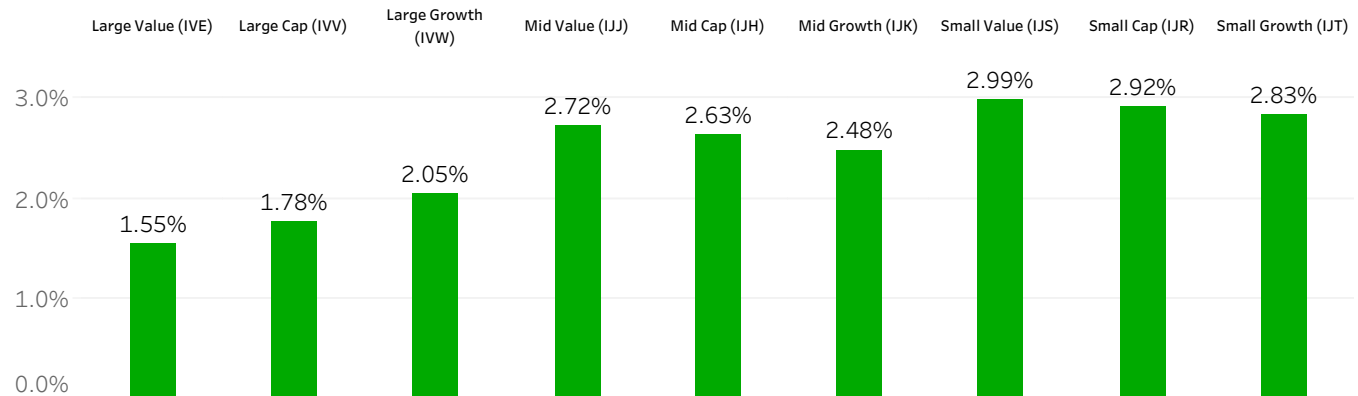


Small Cap Blend (S&P 600) IJR



■ 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	1-Day Performance
IPO	Renaissance IPO ETF	4.77%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	4.53%
ALTL	Pacer Lunt Large Cap Alternator ETF	4.21%
SPHB	Invesco S&P 500 High Beta ETF	4.16%
DWAS	Invesco DWA SmallCap Momentum ETF	4.15%
XSMO	Invesco S&P SmallCap Momentum ETF	3.64%
MFMS	Motley Fool Small-Cap Growth ETF	3.63%
GVIP	Goldman Sachs Hedge Industry VIP ETF	3.51%
FYC	First Trust Small Cap Growth AlphaDEX Fund	3.50%
QQH	HCM Defender 100 Index ETF	3.36%

Size & Style Most Overbought

Ticker	Fund	Price
FDL	First Trust Morningstar Dividend Leaders Index Fund	66.75
LVHD	Legg Mason Low Volatility High Dividend ETF	61.43
SPLV	Invesco S&P 500 Low Volatility ETF	60.30
ONOF	Global X Adaptive U.S. Risk Management ETF	59.94
HUSV	First Trust Horizon Managed Volatility Domestic ETF	59.71
DHS	WisdomTree U.S. High Dividend Fund	58.70
DURA	VanEck Morningstar Durable Dividend ETF	58.17
VFMV	Vanguard U.S. Minimum Volatility ETF	57.98
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	57.75
DIV	Global X SuperDividend US ETF	57.68

Size & Style 1-Day Performance Laggards

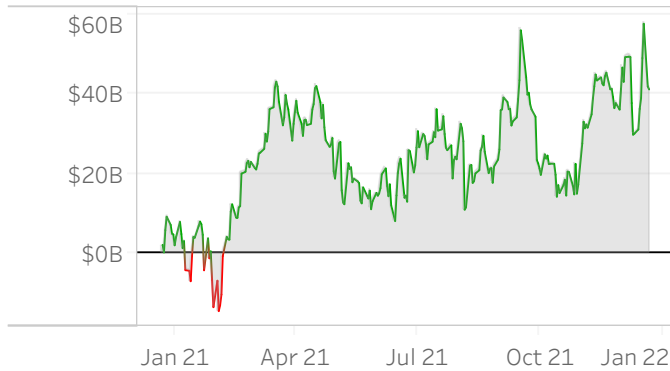
Ticker	Fund	1-Day Performance
LVHD	Legg Mason Low Volatility High Dividend ETF	-0.05%
SPLV	Invesco S&P 500 Low Volatility ETF	0.12%
FDL	First Trust Morningstar Dividend Leaders Index Fund	0.23%
HDV	iShares Core High Dividend ETF	0.26%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	0.26%
DURA	VanEck Morningstar Durable Dividend ETF	0.29%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.34%
FLLV	Franklin Liberty U.S. Low Volatility ETF	0.40%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	0.47%
PSET	Principal Quality ETF	0.50%

Size & Style Most Oversold

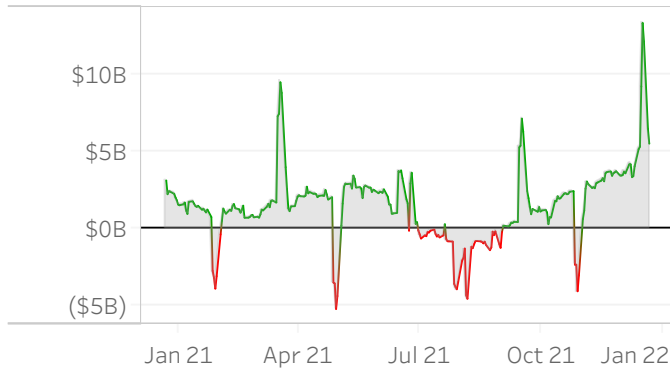
Ticker	Fund	Price
SQEW	LeaderShares Equity Skew ETF	25.62
BIBL	Inspire 100 ETF	30.29
NUMG	Nuveen ESG Mid-Cap Growth ETF	31.27
ISMD	Inspire Small/Mid Cap Impact ETF	34.21
LSAT	Leadershares Alphafactor Tactical Focused ETF	35.31
NUSC	Nuveen ESG Small-Cap ETF	35.32
NUMV	Nuveen ESG Mid-Cap Value ETF	35.76
NULV	Nuveen ESG Large-Cap Value ETF	38.45
NULG	Nuveen ESG Large-Cap Growth ETF	38.80
DYNF	BlackRock U.S. Equity Factor Rotation ETF	39.38

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

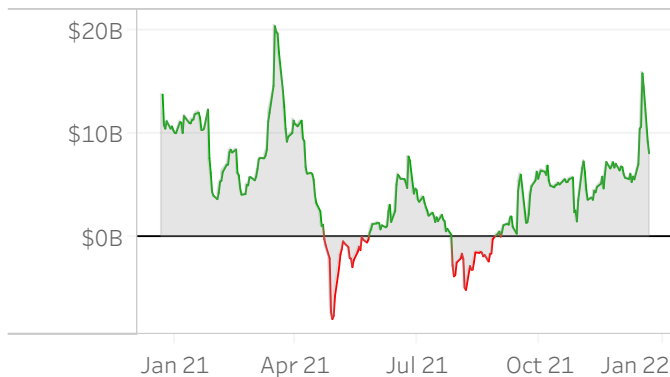
### Large-Cap 30-Day Rolling Flows



### 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	\$1,358B	\$6.47B	\$48.61B	\$102.87B	\$137.33B
Small Cap, Beta, Beta	12	\$218B	\$0.16B	\$11.66B	\$11.90B	\$22.84B
Large Cap, Beta Growth, Beta: Value	11	\$209B	(\$0.13B)	\$7.89B	\$9.78B	\$30.58B
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.34B)	\$1.13B	\$1.50B	\$1.67B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.50B)	\$0.74B	(\$0.30B)	\$3.91B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$0.57B)	\$0.93B	\$0.94B	(\$1.84B)
Large Cap, Beta Growth, Beta: Growth	10	\$270B	(\$0.59B)	\$4.11B	\$11.61B	\$8.13B
Small Cap, Beta, Beta: Value	7	\$56B	(\$0.73B)	\$0.91B	(\$0.66B)	\$6.84B
Mid Cap, Beta, Beta	10	\$189B	(\$2.67B)	\$6.19B	\$6.60B	\$11.98B

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

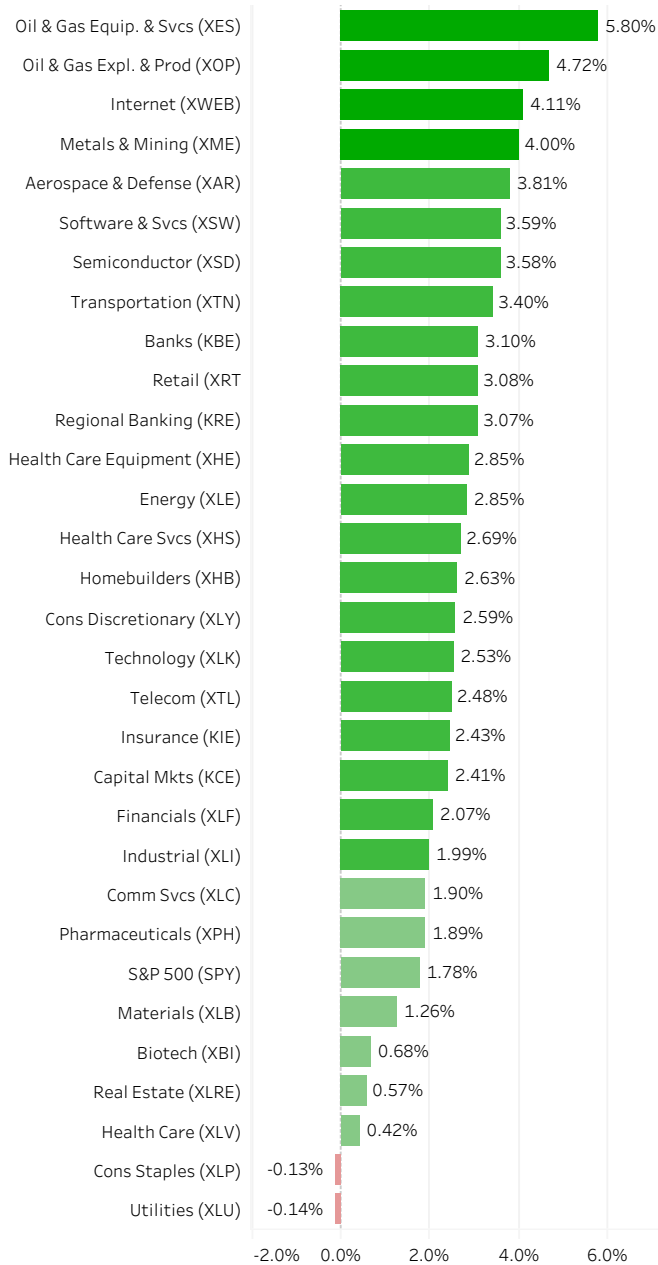
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	\$4.51B	\$9.33B	\$19.39B	\$19.93B	\$205.52B
IVV	iShares Core S&P 500 ETF	\$3.08B	\$12.85B	\$16.78B	\$27.18B	\$321.34B
VOO	Vanguard S&P 500 ETF	\$2.69B	\$4.44B	\$19.69B	\$46.15B	\$267.41B
IJR	iShares Core S&P Small Cap ETF	\$1.07B	\$3.45B	\$2.44B	\$5.00B	\$70.89B
IWM	iShares Russell 2000 ETF	\$0.78B	\$4.21B	\$2.72B	\$4.13B	\$66.82B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.55B	(\$0.16B)	(\$0.97B)	\$0.96B	\$29.16B
VIG	Vanguard Dividend Appreciation ETF	\$0.33B	\$1.72B	\$3.10B	\$4.31B	\$66.72B
VYM	Vanguard High Dividend Yield Index ETF	\$0.27B	\$1.46B	\$2.06B	\$3.74B	\$40.82B
IWB	iShares Russell 1000 ETF	\$0.26B	(\$0.29B)	(\$0.32B)	(\$0.22B)	\$30.77B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.23B	\$1.43B	\$3.01B	\$5.90B	\$44.49B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VO	Vanguard Mid-Cap ETF	(\$2.66B)	\$3.30B	\$4.37B	\$6.40B	\$55.75B
VTI	Vanguard Total Stock Market ETF	(\$1.92B)	\$14.00B	\$24.61B	\$44.95B	\$287.07B
VB	Vanguard Small-Cap ETF	(\$1.91B)	\$2.31B	\$3.14B	\$6.50B	\$48.07B
VUG	Vanguard Growth ETF	(\$0.81B)	\$0.44B	\$1.52B	\$3.35B	\$86.68B
VBR	Vanguard Small Cap Value ETF	(\$0.77B)	\$1.14B	\$1.57B	\$4.12B	\$25.59B
VBK	Vanguard Small-Cap Growth ETF	(\$0.70B)	\$0.67B	\$0.93B	\$1.22B	\$15.85B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.55B)	\$0.69B	\$0.80B	\$0.63B	\$12.30B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.39B)	(\$0.19B)	(\$0.73B)	(\$0.03B)	\$20.58B
VOE	Vanguard Mid-Cap Value ETF	(\$0.34B)	\$0.60B	\$0.63B	\$2.00B	\$15.43B
HDV	iShares Core High Dividend ETF	(\$0.31B)	(\$0.18B)	\$0.09B	\$0.71B	\$7.27B

\* 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)
XLRE	Real Estate Select Sector SPDR Fund	-1.27%	41.41%	2.79%	9.52%	55.69
XLV	Health Care Select Sector SPDR Fund	-1.27%	23.76%	3.30%	7.11%	62.56
SPY	SPDR S&P 500 ETF Trust	-1.63%	25.56%	0.43%	6.35%	50.28
XLU	Utilities Select Sector SPDR Fund	-2.32%	18.97%	2.87%	4.81%	56.38
XLP	Consumer Staples Select Sector SPDR Fund	-2.48%	17.87%	3.02%	5.28%	58.00
XLK	Technology Select Sector SPDR Fund	-2.93%	34.91%	2.48%	12.36%	51.93
XLB	Materials Select Sector SPDR Fund	-3.73%	22.79%	-0.11%	3.18%	48.13
XLI	Industrial Select Sector SPDR Fund	-4.39%	20.82%	-1.90%	-0.21%	44.96
XLF	Financial Select Sector SPDR Fund	-5.37%	32.78%	-2.65%	2.46%	45.79
XLY	Consumer Discretionary Select Sector SPDR Fund	-6.91%	26.30%	-2.35%	7.36%	44.06
XLE	Energy Select Sector SPDR Fund	-7.81%	43.62%	-4.13%	4.02%	44.17
XLC	Communication Services Select Sector SPDR Fund	-10.25%	18.67%	-2.14%	-3.04%	49.18

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	5.80%
PSCE	Invesco S&P SmallCap Energy ETF	5.70%
PXI	Invesco DWA Energy Momentum ETF	5.00%
PXE	Invesco Dynamic Energy Exploration & Production ..	4.85%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	4.72%
IEZ	iShares U.S. Oil Equipment & Services ETF	4.70%
FCG	First Trust Natural Gas ETF	4.44%
MORT	VanEck Mortgage REIT Income ETF	4.37%
PTF	Invesco DWA Technology Momentum ETF	4.25%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	4.25%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IHE	iShares U.S. Pharmaceuticals ETF	64.04
JHMH	John Hancock Multifactor Healthcare ETF	63.52
IYH	iShares U.S. Healthcare ETF	63.38
IHF	iShares U.S. Healthcare Providers ETF	63.07
IYK	iShares U.S. Consumer Staples ETF	62.92
XLV	Health Care Select Sector SPDR Fund	62.56
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	62.54
VHT	Vanguard Health Care ETF	62.12
KBWY	Invesco KBW Premium Yield Equity REIT ETF	61.86
FHLC	Fidelity MSCI Health Care Index ETF	61.55

### Sector & Industry 1 Day Performance Laggards

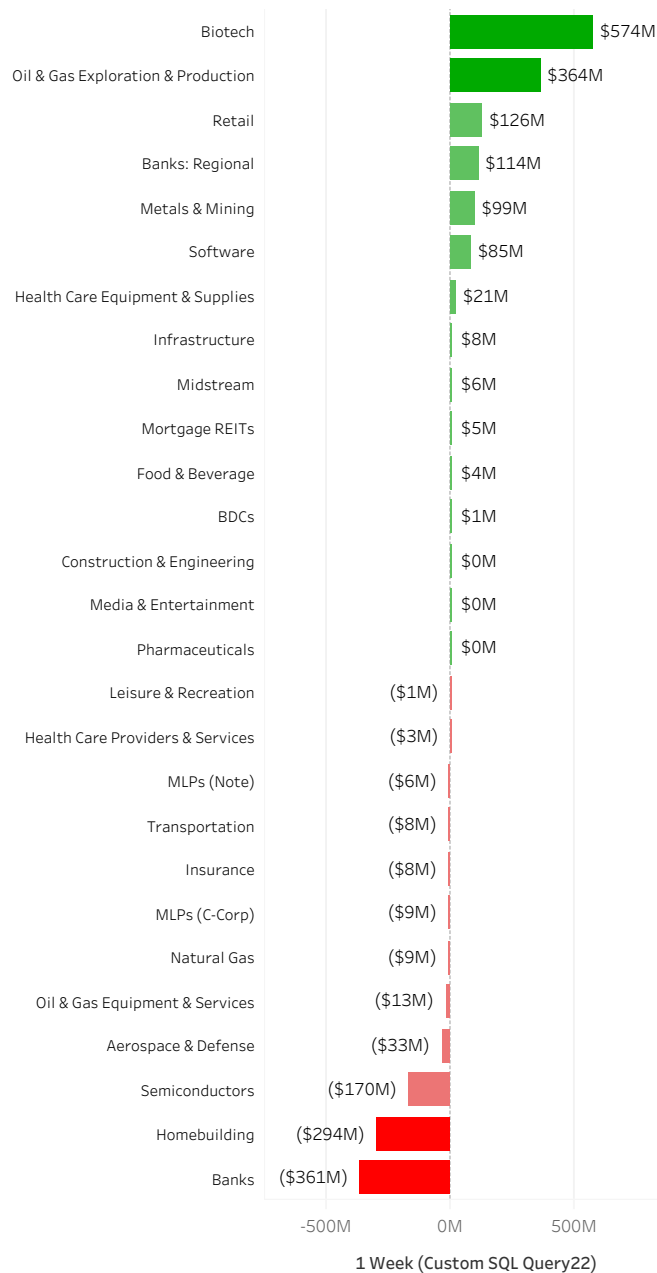
Ticker	Fund	1 Day Performance
PBJ	Invesco Dynamic Food & Beverage ETF	-0.34%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-0.22%
XLU	Utilities Select Sector SPDR Fund	-0.14%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.14%
XLP	Consumer Staples Select Sector SPDR Fund	-0.13%
VPU	Vanguard Utilities ETF	-0.12%
IHE	iShares U.S. Pharmaceuticals ETF	-0.01%
IYK	iShares U.S. Consumer Staples ETF	0.01%
FXG	First Trust Consumer Staples AlphaDEX Fund	0.02%
FUTY	Fidelity MSCI Utilities Index ETF	0.02%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PSJ	Invesco Dynamic Software ETF	36.98
XRT	SPDR S&P Retail ETF	37.86
KBWD	Invesco KBW High Dividend Yield Financial ETF	38.96
REM	iShares Mortgage Real Estate ETF	39.54
AMZA	InfraCap MLP ETF	39.56
AML	Alerian MLP ETF	39.73
PEZ	Invesco DWA Consumer Cyclical Momentum ETF	39.73
RUFF	Alpha Dog ETF	39.97
ENFR	Alerian Energy Infrastructure ETF	40.27
MLPX	Global X MLP & Energy Infrastructure ETF	40.81

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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	\$19B	\$25M	(\$557M)	\$1,166M	\$1,184M
Consumer Discretionary	13	\$36B	\$77M	\$1,767M	\$2,012M	\$2,612M
Consumer Staples	12	\$22B	\$173M	\$347M	\$508M	(\$2,022M)
Energy	34	\$52B	\$607M	\$2,199M	\$94M	\$9,700M
Financials	28	\$78B	(\$606M)	\$3,029M	(\$507M)	\$19,036M
Health Care	26	\$93B	\$1,673M	\$2,182M	\$7,417M	\$5,136M
Industrial	14	\$34B	\$330M	(\$487M)	(\$3,713M)	(\$347M)
Materials	10	\$16B	\$77M	(\$594M)	(\$2,879M)	\$3,616M
Multi-Sector	17	\$25B	(\$303M)	\$1,027M	\$1,459M	\$4,067M
Real Estate	22	\$81B	\$391M	\$1,763M	\$4,783M	\$11,467M
Technology	24	\$152B	\$4M	\$4,726M	\$7,608M	\$6,811M
Utilities	10	\$21B	\$60M	(\$414M)	\$675M	(\$221M)

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

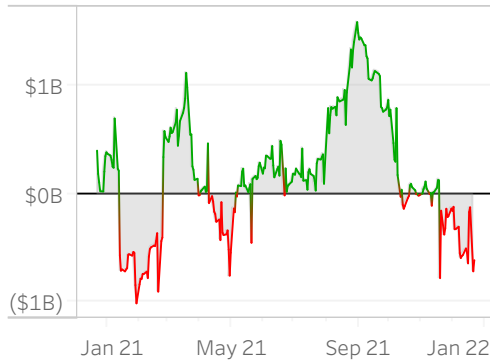
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$1,009M	\$1,090M	\$4,514M	\$4,150M	\$34,758M
XBI	SPDR S&P BIOTECH ETF	\$511M	\$490M	\$872M	\$1,379M	\$7,104M
XLI	Industrial Select Sector SPDR Fund	\$381M	(\$574M)	(\$2,467M)	(\$2,017M)	\$16,822M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$361M	(\$110M)	(\$454M)	(\$89M)	\$3,517M
XLE	Energy Select Sector SPDR Fund	\$291M	\$145M	(\$534M)	\$5,373M	\$24,864M
VNQ	Vanguard Real Estate ETF	\$190M	\$1,766M	\$2,472M	\$6,693M	\$47,756M
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	\$177M	\$271M	\$291M	\$413M	\$1,883M
IYR	iShares U.S. Real Estate ETF	\$143M	(\$1,550M)	(\$1,460M)	(\$1,012M)	\$6,492M
IYF	iShares U.S. Financials ETF	\$129M	\$233M	\$156M	\$620M	\$2,479M
XRT	SPDR S&P Retail ETF	\$126M	(\$248M)	\$146M	(\$73M)	\$757M

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

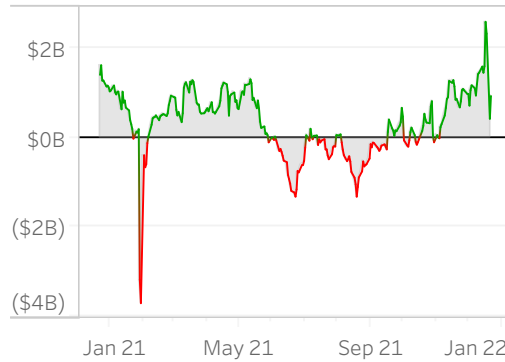
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$418M)	\$1,644M	(\$1,397M)	\$8,900M	\$41,393M
XHB	SPDR S&P Homebuilders ETF	(\$417M)	(\$78M)	(\$349M)	\$23M	\$1,811M
KBWB	Invesco KBW Bank ETF	(\$216M)	(\$101M)	\$428M	\$870M	\$2,665M
IYC	iShares U.S. Consumer Discretionary ETF	(\$181M)	\$72M	(\$44M)	\$33M	\$1,413M
SOXX	iShares Semiconductor ETF	(\$170M)	\$1,053M	\$1,315M	\$2,258M	\$9,141M
KBE	SPDR S&P Bank ETF	(\$144M)	(\$159M)	(\$479M)	(\$263M)	\$2,943M
VIS	Vanguard Industrials ETF	(\$115M)	(\$295M)	(\$373M)	\$563M	\$4,942M
USRT	iShares Core U.S. REIT ETF	(\$77M)	\$92M	\$264M	\$422M	\$2,582M
VFH	Vanguard Financials ETF	(\$77M)	\$495M	\$224M	\$1,813M	\$11,174M
VDE	Vanguard Energy ETF	(\$60M)	\$414M	\$326M	\$813M	\$5,559M

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

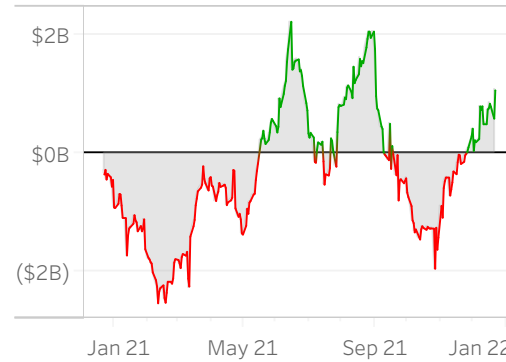
Communication Services



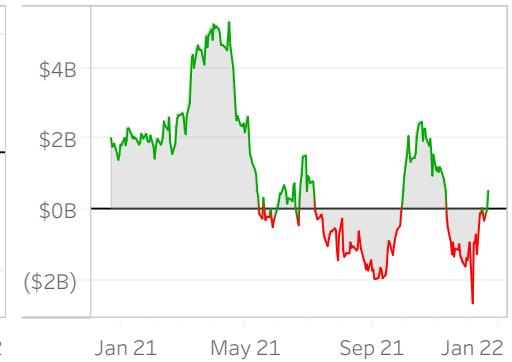
Consumer Discretionary



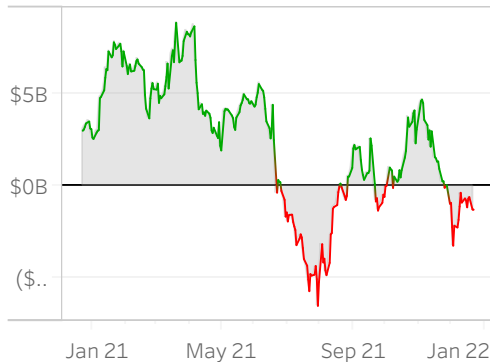
Consumer Staples



Energy



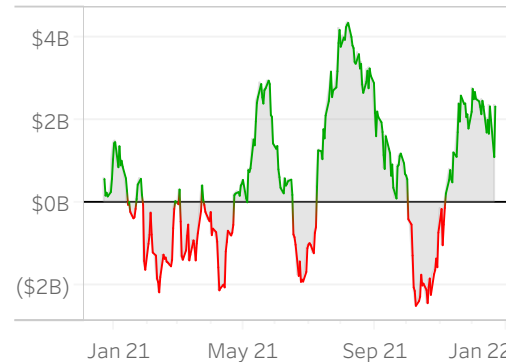
Financials



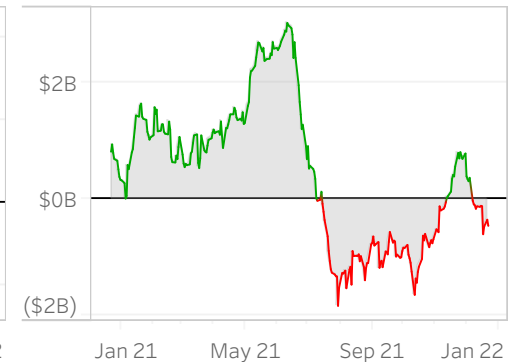
Industrial



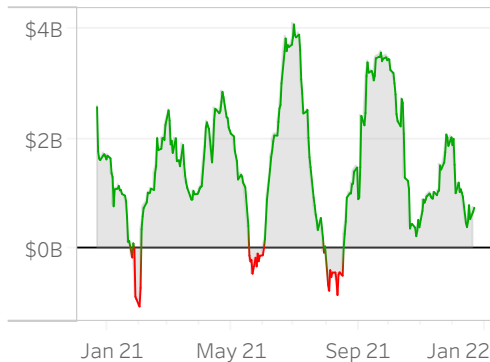
Health Care



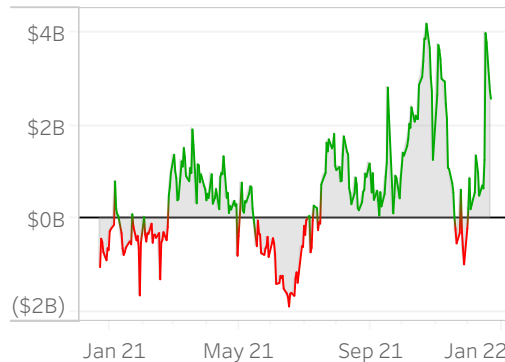
Materials



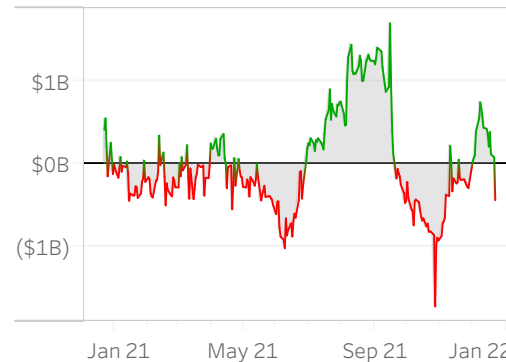
Real Estate



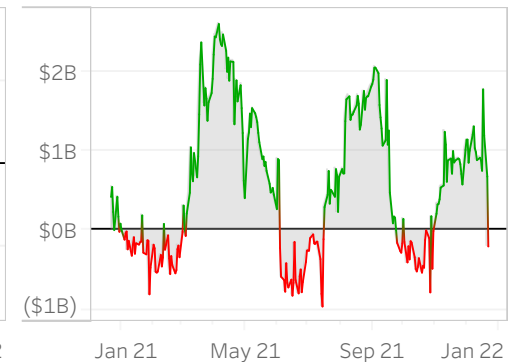
Technology



Utilities

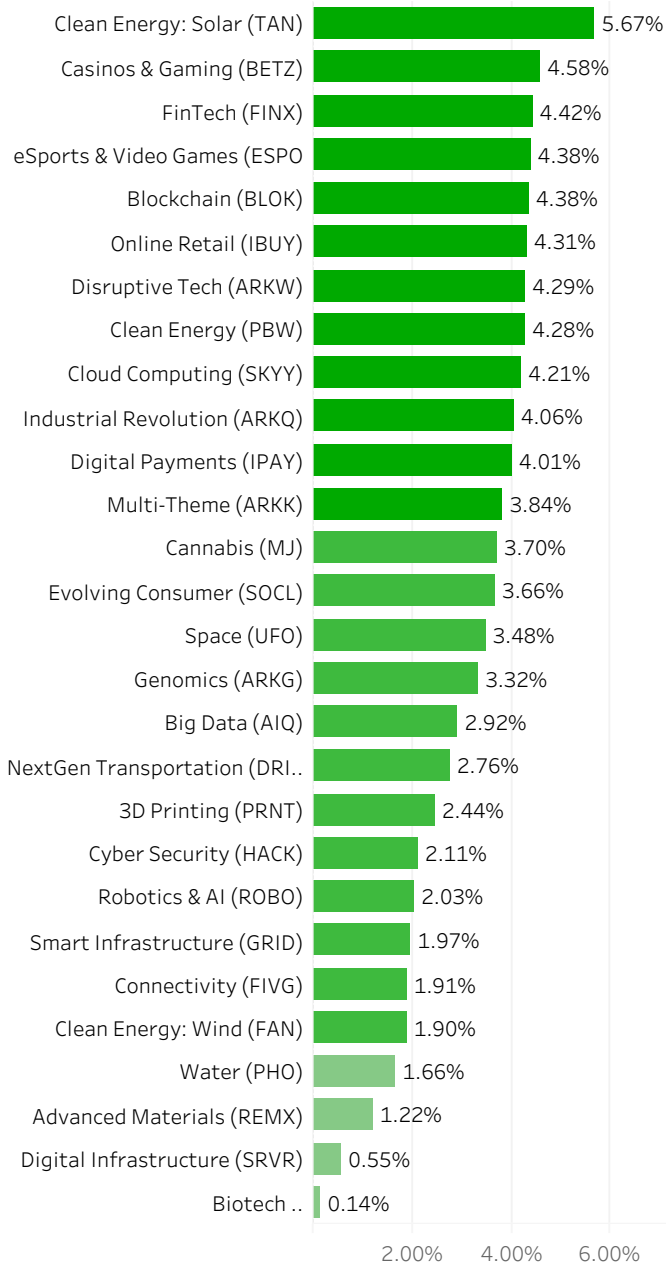


Multi-Sector

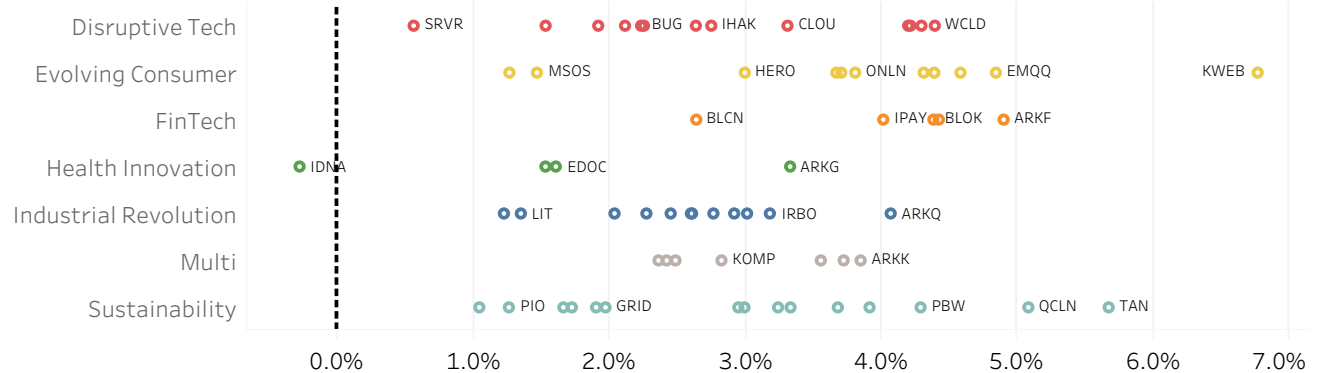


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### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	6.76%
BKCH	Global X Blockchain ETF	5.73%
TAN	Invesco Solar ETF	5.67%
AWAY	ETFMG Travel Tech ETF	5.16%
BITQ	Bitwise Crypto Industry Innovators ETF	5.10%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	5.08%
ARKF	ARK Fintech Innovation ETF	4.89%
CTEC	Global X CleanTech ETF	4.86%
EMQQ	Emerging Markets Internet & Ecommerce ETF	4.84%
BETZ	Roundhill Sports Betting & iGaming ETF	4.58%

### Thematic Most Overbought

Ticker	Fund	Value
VPN	Global X Data Center REITs & Digital Infrastructure ETF	58.60
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	58.24
NXTG	First Trust Indxx NextG ETF	56.36
FIVG	Defiance Next Gen Connectivity ETF	55.51
SBIO	ALPS Medical Breakthroughs ETF	52.86
CIBR	First Trust NASDAQ Cybersecurity ETF	51.91
GNOM	Global X Genomics & Biotechnology ETF	50.95
BUG	Global X Cybersecurity ETF	50.70
GERM	ETFMG Treatments Testing and Advancements ETF	50.61
ARKG	ARK Genomic Revolution ETF	50.56

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
GERM	ETFMG Treatments Testing and Advancements ETF	-1.06%
IDNA	iShares Genomics Immunology and Healthcare ETF Ge..	-0.28%
SBIO	ALPS Medical Breakthroughs ETF	0.14%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.38%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	0.39%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	0.55%
EBLU	Ecofin Global Water ESG Fund	0.88%
CGW	Invesco S&P Global Water Index ETF	1.04%
KLDW	Knowledge Leaders Developed World ETF	1.13%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.22%

### Thematic Most Oversold

Ticker	Fund	Value
ENTR	ERShares Entrepreneurs ETF	12.32
CNBS	Amplify Seymour Cannabis ETF	31.11
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	33.31
LIT	Global X Lithium & Battery Tech ETF	33.49
HDRO	Defiance Next Gen H2 ETF	33.51
REMX	VanEck Rare Earth/Strategic Metals ETF	33.98
BKCH	Global X Blockchain ETF	34.74
BITQ	Bitwise Crypto Industry Innovators ETF	34.79
MSOS	AdvisorShares Pure US Cannabis ETF	34.82
ACES	ALPS Clean Energy ETF	34.82

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### Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$118M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$54M
BITQ	Bitwise Crypto Industry Innovators ETF	\$15M
META	Roundhill Ball Metaverse ETF	\$14M
FIW	First Trust Water ETF	\$14M
IDRV	iShares Self-driving EV & Tech ETF	\$11M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$7M
ESPO	VanEck Video Gaming and eSports ETF	\$7M
PHO	Invesco Water Resources ETF	\$6M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M

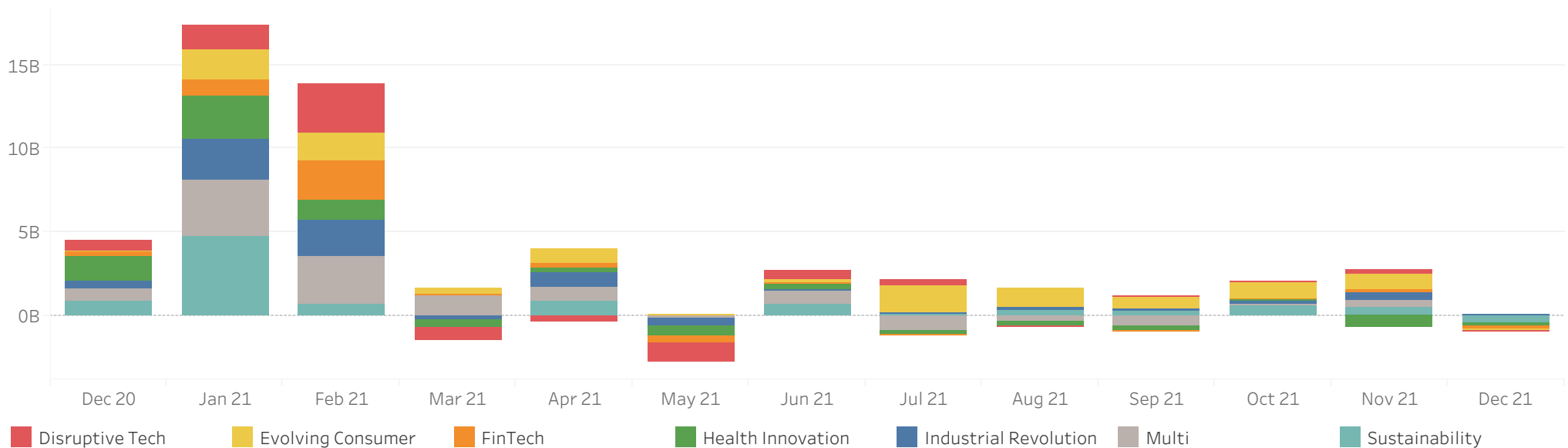
### Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKF	ARK Fintech Innovation ETF	(\$110M)
KWEB	KraneShares CSI China Internet ETF	(\$98M)
TAN	Invesco Solar ETF	(\$83M)
ICLN	iShares Global Clean Energy ETF	(\$79M)
EDOC	Global X Telemedicine & Digital Health ETF	(\$53M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$49M)
BLOK	Amplify Transformational Data Sharing ETF	(\$39M)
IHAK	iShares Cybersecurity & Tech ETF	(\$28M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$27M)
HACK	ETFMG Prime Cyber Security ETF	(\$26M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	38	\$27B	(\$27M)	\$89M	\$827M	\$3,814M
Evolving Consumer	44	\$15B	(\$129M)	\$2,083M	\$5,597M	\$10,444M
FinTech	19	\$6B	(\$109M)	\$29M	(\$191M)	\$3,578M
Health Innovation	17	\$7B	(\$47M)	(\$992M)	(\$1,318M)	\$3,094M
Industrial Revolution	23	\$16B	(\$73M)	\$601M	\$1,054M	\$6,428M
Multi	29	\$25B	\$77M	\$16M	(\$615M)	\$8,420M
Sustainability	37	\$22B	(\$132M)	\$608M	\$1,406M	\$8,853M
Grand Total	207	\$119B	(\$439M)	\$2,434M	\$6,758M	\$44,633M

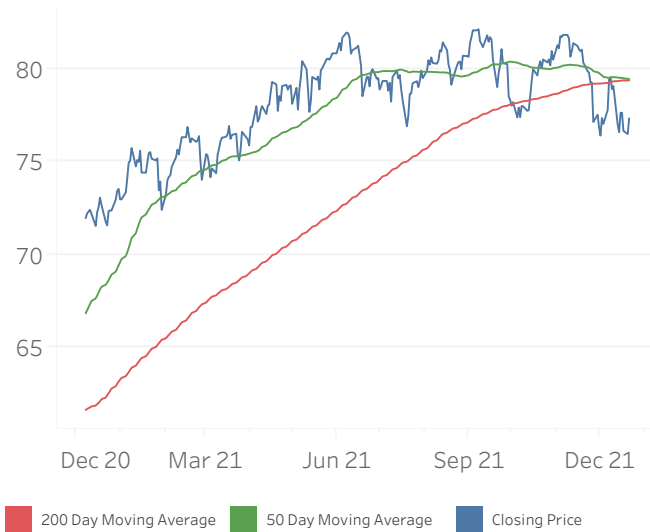
### Thematic Monthly Flows



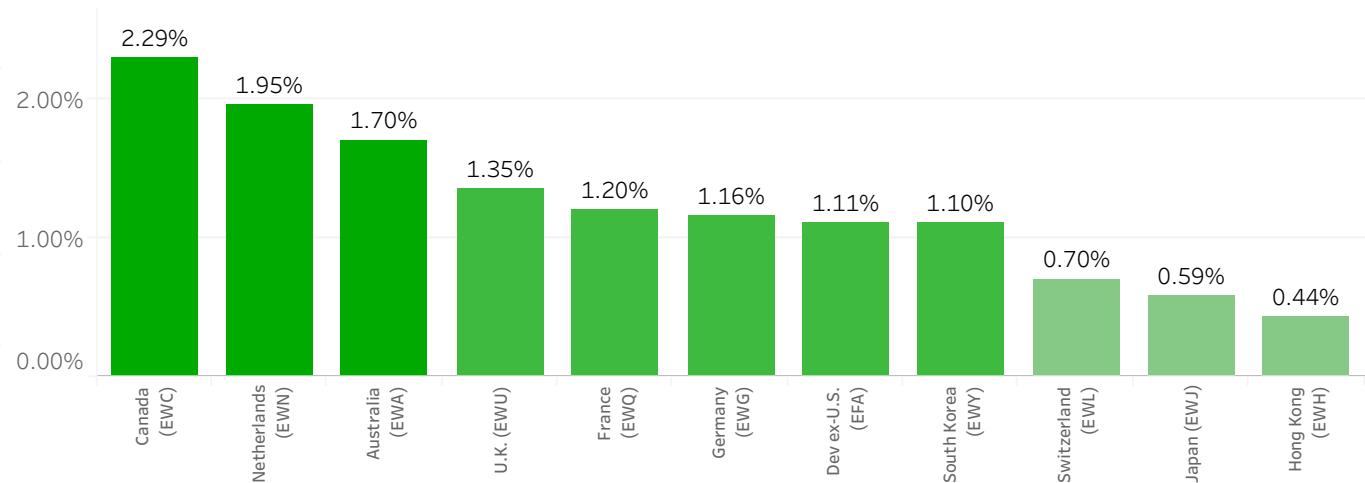
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



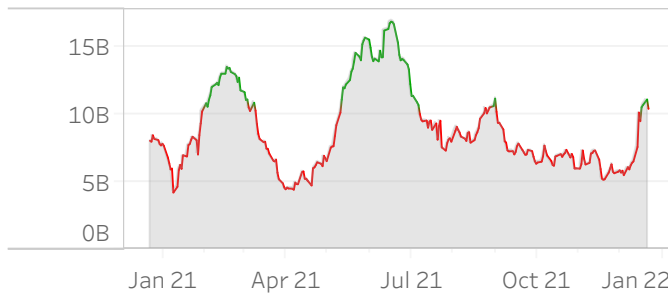
Developed ex-U.S. (EFA)



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



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



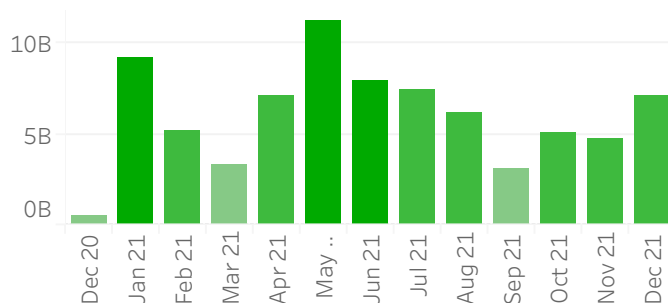
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ENOR	iShares MSCI Norway ETF	3.16%
AIA	iShares Asia 50 ETF	2.60%
ISRA	VanEck Israel ETF	2.51%
EWO	iShares MSCI Austria ETF	2.36%
EWC	iShares MSCI Canada ETF	2.29%
EIS	iShares MSCI Israel ETF	2.26%
BBCA	JPMorgan BetaBuilders Canada ETF	2.04%
EWN	iShares MSCI Netherlands ETF	1.95%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.92%
TOK	iShares MSCI Kokusai ETF	1.77%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
LVHI	Legg Mason International Low Volatility High Dividend ETF	62.51
EWL	iShares MSCI Switzerland ETF	59.80
DOO	WisdomTree International Dividend ex-Financials Fund	56.54
DTH	WisdomTree International High Dividend Fund	55.43
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	55.16
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	54.08
EUDG	WisdomTree Europe Quality Dividend Growth Fund	53.99
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	53.93
DOL	WisdomTree International LargeCap Dividend Fund	53.92
IDOG	ALPS International Sector Dividend Dogs ETF	53.52

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.02%
EWJV	iShares MSCI Japan Value ETF	0.21%
FGM	First Trust Germany AlphaDEX Fund	0.40%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	0.43%
EWK	iShares MSCI Hong Kong ETF	0.44%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	0.44%
SCJ	iShares MSCI Japan Small-Cap ETF	0.44%
BBJP	JPMorgan BetaBuilders Japan ETF	0.44%
FLJP	Franklin FTSE Japan ETF	0.44%
LVHI	Legg Mason International Low Volatility High Dividend ETF	0.48%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
EWS	iShares MSCI Singapore ETF	25.69
EWK	iShares MSCI Hong Kong ETF	32.00
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	34.77
BBJP	JPMorgan BetaBuilders Japan ETF	35.43
JPIN	J.P. Morgan Diversified Return International Equity ..	36.43
GWX	SPDR S&P International Small Cap ETF	37.06
NUDM	Nuveen ESG International Developed Markets Equit..	37.44
EWUS	iShares MSCI United Kingdom Small Cap ETF	37.51
FGM	First Trust Germany AlphaDEX Fund	37.53
PDN	Invesco FTSE RAFI Developed Markets ex-US Small..	37.83

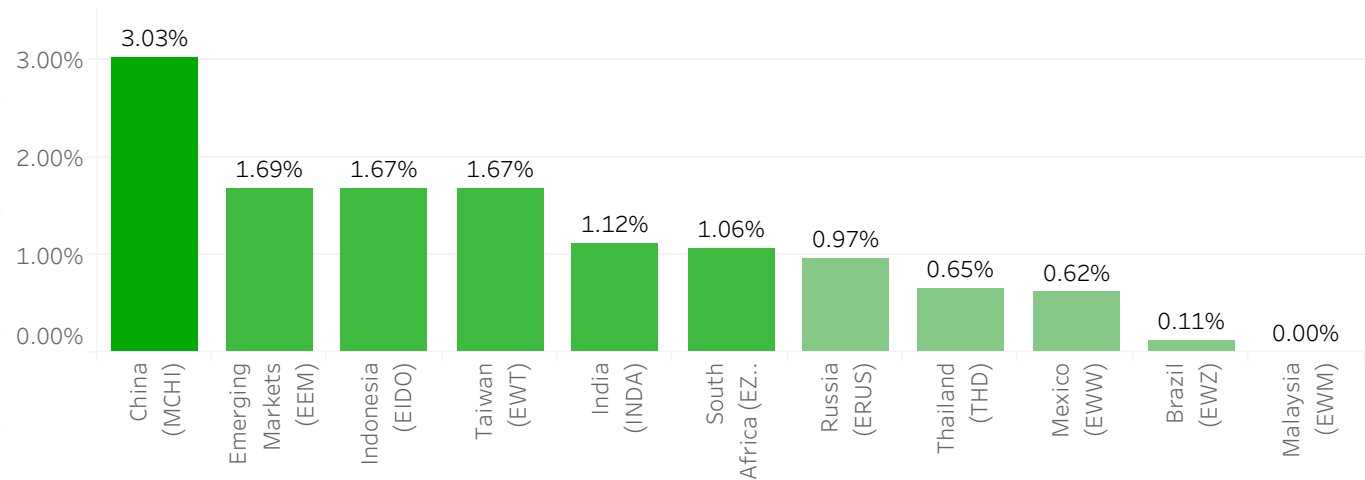
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Emerging (EEM)



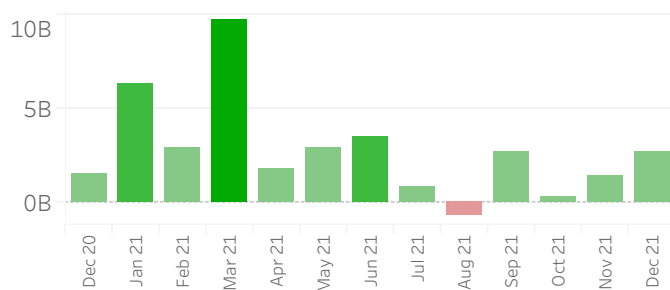
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	6.95%
FNI	First Trust Chindia ETF	4.88%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	3.35%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.30%
MCHI	iShares MSCI China ETF	3.03%
FXI	iShares China Large-Cap ETF	2.95%
FLCH	Franklin FTSE China ETF	2.79%
GXC	SPDR S&P China ETF	2.71%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	2.59%
BKF	iShares MSCI BRIC ETF	2.15%

Emerging Most Overbought

Ticker	Fund	Value
EWZ	iShares MSCI Mexico ETF	58.33
VNM	VanEck Vietnam ETF	57.90
EYLD	Cambria Emerging Shareholder Yield ETF	52.25
PIE	Invesco DWA Emerging Markets Momentum ETF	52.07
DEM	WisdomTree Emerging Markets High Dividend Fund	51.29
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	50.50
FEM	First Trust Emerging Markets AlphaDEX Fund	50.42
EWT	iShares MSCI Taiwan ETF	50.18
EPHE	iShares MSCI Philippines ETF	50.09
KSA	iShares MSCI Saudi Arabia ETF	49.63

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	-6.56%
EPHE	iShares MSCI Philippines ETF	-1.23%
EWM	iShares MSCI Malaysia ETF	0.00%
EWZ	iShares MSCI Brazil ETF	0.11%
FLBR	Franklin FTSE Brazil ETF	0.17%
AFK	VanEck Africa Index ETF	0.23%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.29%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.35%
EPOL	iShares MSCI Poland ETF	0.44%
JPEM	J.P. Morgan Diversified Return Emerging Markets Equit..	0.54%

Emerging Most Oversold

Ticker	Fund	Value
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	25.41
INDY	iShares India 50 ETF	27.45
AFK	VanEck Africa Index ETF	29.19
PIN	Invesco India ETF	29.21
INDA	iShares MSCI India ETF	30.13
EWM	iShares MSCI Malaysia ETF	31.65
RSX	VanEck Russia ETF	32.04
ECNS	iShares MSCI China Small-Cap ETF	32.25
ECH	iShares MSCI Chile ETF	33.10
GMF	SPDR S&P Emerging Asia Pacific ETF	34.43

\* 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	-0.08%	0.06%	-1.63%
SHY	1-3 Year Treasury Bonds	-0.06%	-0.17%	-0.69%
IEF	7-10 Year Treasury Bonds	-0.40%	0.68%	-2.95%
TLT	20+ Year Treasury Bonds	-0.38%	0.75%	-4.00%
TIP	TIPS Bonds	0.22%	-0.97%	4.78%
FLOT	Floating Rate Bonds	0.02%	-0.11%	0.27%
LQD	Investment Grade Corporate	0.20%	0.08%	-1.72%
HYG	High Yield Corporate	0.53%	0.81%	3.35%
BKLN	Senior Loan	0.23%	0.33%	2.04%
PFF	Preferred & Income Securities	0.78%	0.57%	5.51%
MUB	Municipal Bonds	-0.07%	0.35%	1.05%
MBB	MBS	-0.14%	-0.21%	-1.48%
EMB	Dollar Denominated EM Bonds	0.30%	-0.42%	-2.99%
LEMB	Local Currency EM Bond	0.41%	-1.03%	-10.28%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	2.19%	-5.50%	27.95%
DBE	Energy	2.86%	-3.55%	52.86%
USO	WTI Crude Oil	3.35%	-4.11%	56.23%
BNO	Brent Crude Oil	3.21%	-4.55%	54.66%
UNG	Natural Gas	0.00%	-25.22%	35.98%
UGA	Gasoline	2.95%	0.68%	63.47%
DBP	Precious Metals	0.19%	-4.59%	-9.51%
GLD	Gold	-0.04%	-3.24%	-6.36%
SLV	Silver	0.97%	-8.70%	-15.47%
PPLT	Platinum	0.35%	-9.36%	-13.54%
PALL	Palladium	2.65%	-13.11%	-27.40%
DBB	Base Metals	2.50%	2.45%	25.78%
CPER	Copper	1.18%	-0.78%	22.22%
LD	Lead	-0.64%	4.80%	18.06%
JJN	Nickel	1.89%	-1.24%	17.51%
JJU	Aluminum	3.88%	2.04%	36.75%
JJT	Tin	0.92%	-0.23%	118.04%
DBA	Agriculture	1.65%	-1.99%	21.87%
CORN	Corn	0.93%	1.45%	39.28%
SOYB	Soybeans	1.07%	1.73%	14.95%
WEAT	Wheat	2.01%	-5.12%	22.78%
CANE	Sugar	0.55%	-6.40%	34.22%
BAL	Cotton	2.02%	-7.74%	35.49%
NIB	Cocoa	2.86%	-4.54%	-9.01%
JO	Coffee	2.25%	-1.44%	66.32%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.12%	0.39%	6.64%
UDN	Short Dollar	0.02%	-0.55%	-7.81%
FXE	Euro	0.05%	-0.10%	-8.55%
FXB	British Pound Sterling	0.42%	-1.32%	-3.35%
FXF	Swiss Franc	-0.26%	0.41%	-5.30%
FXJ	Japanese Yen	-0.38%	-0.23%	-10.09%
FXC	Canadian Dollar	0.20%	-2.05%	-1.88%
FXA	Australian Dollar	0.71%	-1.10%	-7.56%

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