

Large Cap Blend (S&P 500) IVV



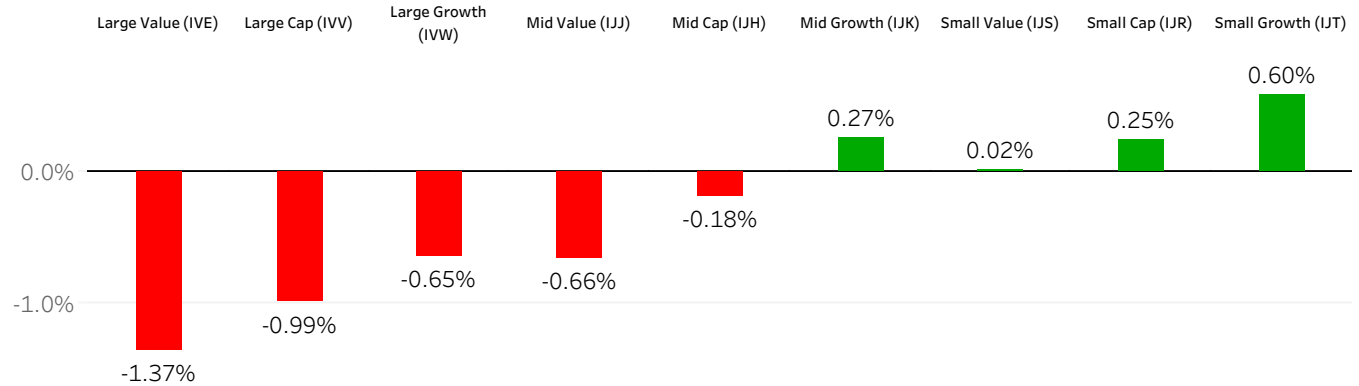
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	3.27%
BUZZ	VanEck Social Sentiment ETF	2.44%
JSML	Janus Henderson Small Cap Growth Alpha ETF	2.09%
MFMS	Motley Fool Small-Cap Growth ETF	1.76%
IWO	iShares Russell 2000 Growth ETF	1.56%
VTWG	Vanguard Russell 2000 Growth ETF	1.53%
FPX	First Trust US Equity Opportunities ETF	1.47%
VBK	Vanguard Small-Cap Growth ETF	1.43%
QQQN	VictoryShares Nasdaq Next 50 ETF	1.37%
ISCG	iShares Morningstar Small-Cap Growth ETF	1.37%

Size & Style Most Overbought

Ticker	Fund	Value
FDL	First Trust Morningstar Dividend Leaders Index Fund	65.25
LVHD	Legg Mason Low Volatility High Dividend ETF	63.09
SPLV	Invesco S&P 500 Low Volatility ETF	62.83
HUSV	First Trust Horizon Managed Volatility Domestic ETF	60.71
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	60.41
DHS	WisdomTree U.S. High Dividend Fund	59.52
OUSA	OShares U.S. Quality Dividend ETF	59.35
RDIV	Invesco S&P Ultra Dividend Revenue ETF	59.30
DTN	WisdomTree U.S. Dividend ex-Financials Fund	59.24
DURA	VanEck Morningstar Durable Dividend ETF	58.38

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
PWV	Invesco Dynamic Large Cap Value ETF	-1.96%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	-1.86%
VSDA	VictoryShares Dividend Accelerator ETF	-1.82%
SSPY	Syntax Stratified LargeCap ETF	-1.72%
SPVU	Invesco S&P 500 Enhanced Value ETF	-1.71%
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	-1.70%
USMC	Principal U.S. Mega-Cap ETF	-1.68%
SPMO	Invesco S&P 500 Momentum ETF	-1.65%
TPHD	Timothy Plan High Dividend Stock ETF	-1.63%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	-1.63%

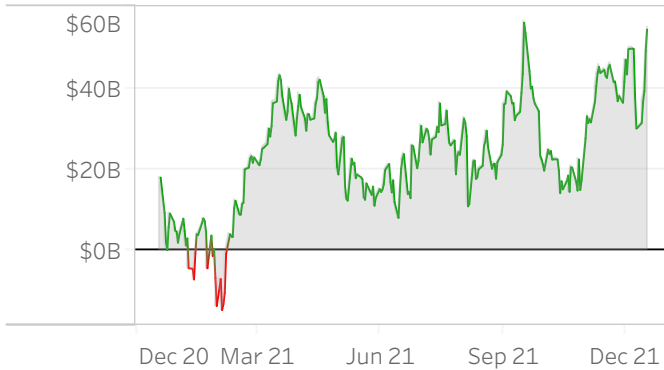
Size & Style Most Oversold

Ticker	Fund	Value
BIBL	Inspire 100 ETF	25.09
NUMG	Nuveen ESG Mid-Cap Growth ETF	26.35
ISMD	Inspire Small/Mid Cap Impact ETF	28.84
NUSC	Nuveen ESG Small-Cap ETF	29.07
NUMV	Nuveen ESG Mid-Cap Value ETF	31.41
MFMS	Motley Fool Small-Cap Growth ETF	33.72
NULG	Nuveen ESG Large-Cap Growth ETF	33.77
FFTY	Innovator IBD 50 ETF	34.96
DYNF	BlackRock U.S. Equity Factor Rotation ETF	35.02
DFAS	Dimensional U.S. Small Cap ETF	35.28

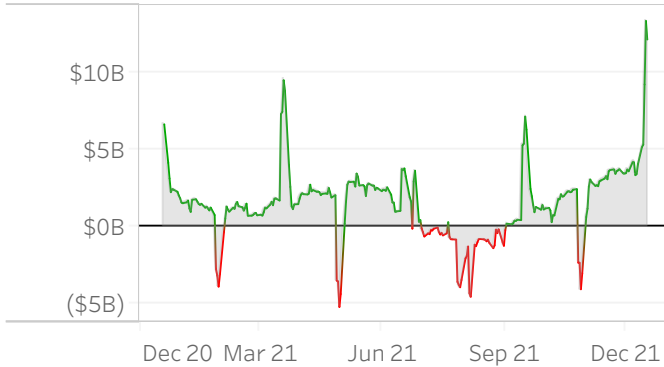
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

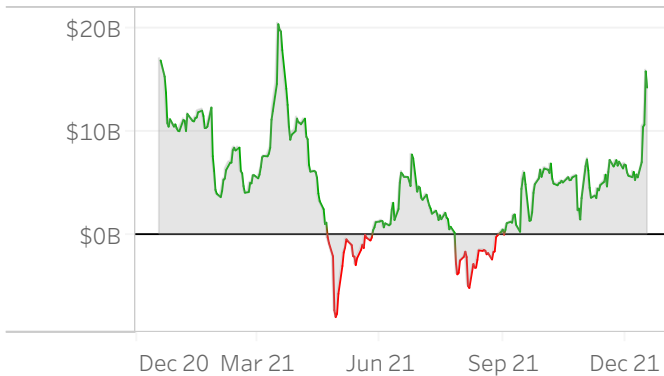
Large-Cap 30-Day Rolling Flows



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
Large Cap, Beta Growth, Beta	24	\$1,385B	\$9.90B	\$45.64B	\$99.45B	\$141.88B
Large Cap, Beta Growth, Beta: Growth	10	\$280B	\$6.74B	\$8.55B	\$16.20B	\$8.35B
Large Cap, Beta Growth, Beta: Value	11	\$219B	\$5.02B	\$11.87B	\$13.13B	\$33.14B
Mid Cap, Beta, Beta	10	\$196B	\$4.60B	\$8.51B	\$8.86B	\$13.46B
Small Cap, Beta, Beta	12	\$220B	\$3.39B	\$13.78B	\$12.14B	\$22.62B
Small Cap, Beta, Beta: Value	7	\$60B	\$3.20B	\$3.61B	\$1.77B	\$8.57B
Mid Cap, Beta, Beta: Value	6	\$44B	\$2.18B	\$2.76B	\$1.62B	\$5.62B
Small Cap, Beta, Beta: Growth	7	\$39B	\$1.77B	\$1.75B	\$2.45B	\$2.13B
Mid Cap, Beta, Beta: Growth	6	\$42B	\$1.65B	\$2.00B	\$2.12B	(\$1.34B)

U.S. Size & Style Flow Leaders

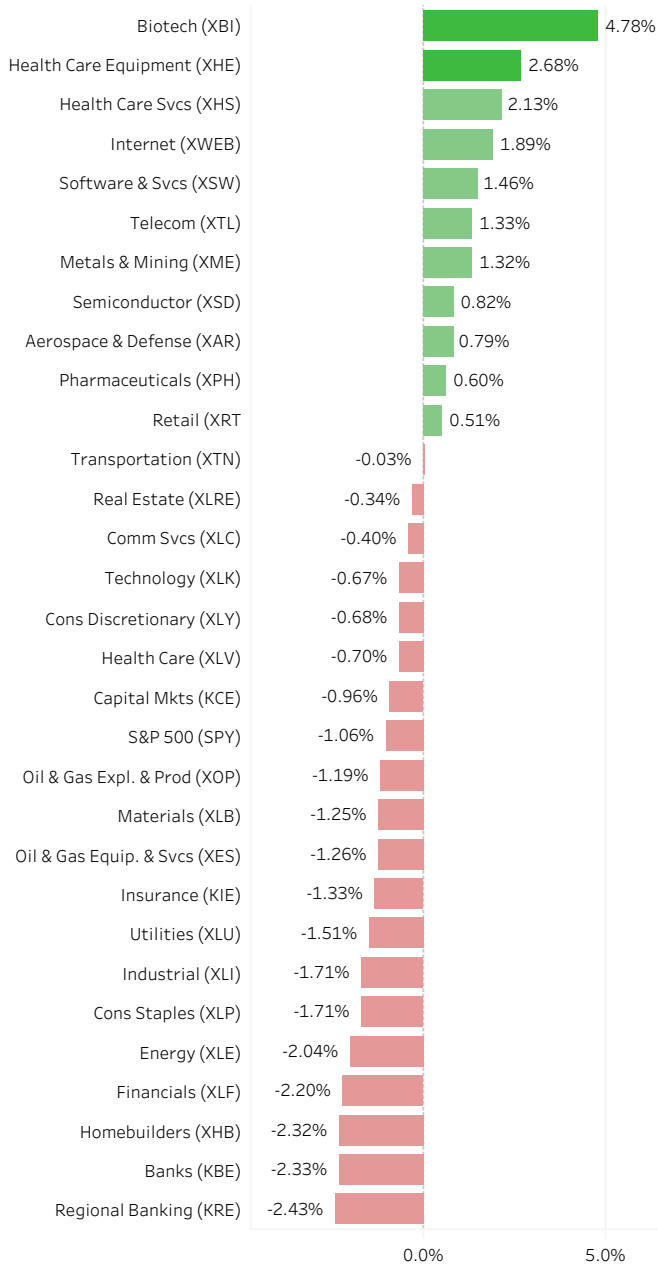
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$5.61B	\$15.22B	\$38.23B	\$36.36B	\$439.50B
QQQ	Invesco QQQ Trust	\$3.35B	\$9.17B	\$16.88B	\$20.49B	\$207.19B
IVW	iShares S&P 500 Growth ETF	\$2.99B	\$3.61B	\$4.04B	(\$1.99B)	\$42.39B
VOO	Vanguard S&P 500 ETF	\$2.72B	\$6.24B	\$18.71B	\$44.00B	\$272.57B
VTI	Vanguard Total Stock Market ETF	\$2.60B	\$13.27B	\$24.43B	\$45.22B	\$293.14B
SPYV	SPDR Portfolio S&P 500 Value ETF	\$2.08B	\$2.53B	\$2.66B	\$4.69B	\$15.53B
VO	Vanguard Mid-Cap ETF	\$1.92B	\$3.41B	\$4.94B	\$6.54B	\$58.02B
IJR	iShares Core S&P Small Cap ETF	\$1.92B	\$4.16B	\$3.25B	\$5.88B	\$72.39B
IVE	iShares S&P 500 Value ETF	\$1.78B	\$2.12B	\$1.75B	\$2.83B	\$25.25B
VB	Vanguard Small-Cap ETF	\$1.73B	\$2.52B	\$3.50B	\$6.42B	\$49.77B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$2.32B)	\$10.53B	\$16.52B	\$26.41B	\$327.44B
DGRW	WisdomTree US Quality Dividend Growth Fund	(\$1.39B)	\$0.18B	\$0.48B	\$0.74B	\$6.96B
IWM	iShares Russell 2000 ETF	(\$0.82B)	\$5.19B	\$1.75B	\$2.91B	\$65.99B
DON	WisdomTree U.S. MidCap Dividend Fund	(\$0.51B)	\$0.04B	(\$0.08B)	(\$0.25B)	\$3.08B
DES	WisdomTree U.S. SmallCap Dividend Fund	(\$0.33B)	\$0.01B	\$0.00B	(\$0.01B)	\$1.86B
HDV	iShares Core High Dividend ETF	(\$0.33B)	(\$0.23B)	\$0.06B	\$0.68B	\$7.34B
DLN	WisdomTree U.S. LargeCap Dividend Fund	(\$0.32B)	\$0.04B	\$0.11B	\$0.16B	\$3.33B
PSC	Principal U.S. Small-Cap Multi-Factor ETF	(\$0.19B)	(\$0.39B)	(\$0.40B)	\$0.11B	\$1.19B
EZM	WisdomTree U.S. MidCap Fund	(\$0.19B)	\$0.04B	\$0.04B	\$0.04B	\$0.81B
USMC	Principal U.S. Mega-Cap ETF	(\$0.15B)	(\$0.34B)	(\$0.31B)	(\$0.31B)	\$1.85B

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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)
XLRE	Real Estate Select Sector SPDR Fund	-0.34%	42.76%	4.15%	10.81%	60.34
XLV	Health Care Select Sector SPDR Fund	-0.70%	24.48%	4.25%	7.91%	68.07
XLU	Utilities Select Sector SPDR Fund	-1.51%	19.96%	4.07%	5.79%	60.74
XLP	Consumer Staples Select Sector SPDR Fund	-1.71%	18.80%	4.10%	6.24%	62.52
SPY	SPDR S&P 500 ETF Trust	-2.31%	24.70%	-0.05%	5.77%	46.86
XLB	Materials Select Sector SPDR Fund	-2.71%	24.09%	1.18%	4.37%	52.22
XLK	Technology Select Sector SPDR Fund	-4.00%	33.42%	1.76%	11.37%	48.76
XLI	Industrial Select Sector SPDR Fund	-4.37%	20.84%	-1.83%	-0.15%	42.49
XLF	Financial Select Sector SPDR Fund	-5.00%	33.30%	-2.32%	2.96%	45.23
XLY	Consumer Discretionary Select Sector SPDR Fund	-7.63%	25.32%	-2.88%	6.68%	39.47
XLE	Energy Select Sector SPDR Fund	-8.07%	43.46%	-4.57%	3.77%	40.96
XLC	Communication Services Select Sector SPDR Fund	-11.12%	17.52%	-3.23%	-3.97%	43.31

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	4.78%
PBE	Invesco Dynamic Biotechnology & Genome ETF	3.72%
PSCH	Invesco S&P SmallCap Health Care ETF	3.26%
FBT	First Trust NYSE Arca Biotechnology Index Fund	2.81%
IBB	iShares Biotechnology ETF	2.71%
XHE	SPDR S&P Health Care Equipment ETF	2.68%
XHS	SPDR S&P Health Care Services ETF	2.13%
PTH	Invesco DWA Healthcare Momentum ETF	2.01%
PSJ	Invesco Dynamic Software ETF	1.82%
IGN	iShares North American Tech-Multimedia Network..	1.66%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLV	Health Care Select Sector SPDR Fund	68.07
IYH	iShares U.S. Healthcare ETF	66.22
JHMH	John Hancock Multifactor Healthcare ETF	65.64
IHF	iShares U.S. Healthcare Providers ETF	65.40
RYH	Invesco S&P 500 Equal Weight Health Care ETF	63.71
IYK	iShares U.S. Consumer Staples ETF	63.68
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	63.50
VHT	Vanguard Health Care ETF	63.45
FHLC	Fidelity MSCI Health Care Index ETF	62.68
XLP	Consumer Staples Select Sector SPDR Fund	62.52

Sector & Industry 1 Day Performance Laggards

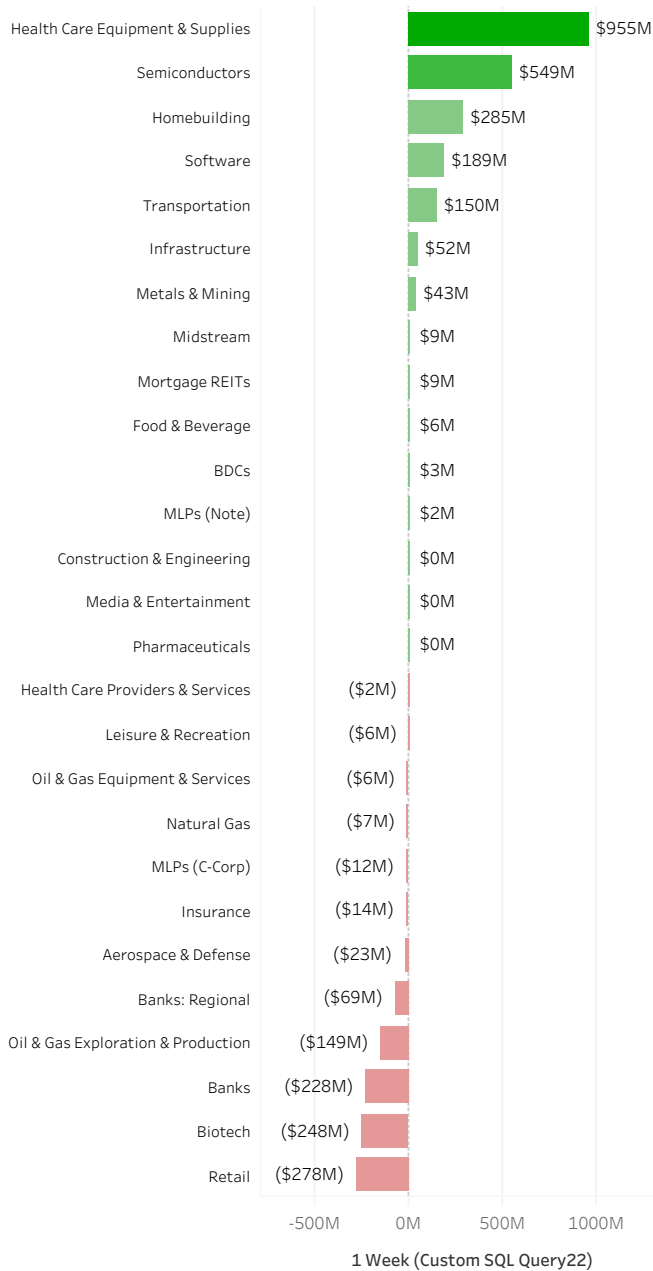
Ticker	Fund	1 Day Performance
IAT	iShares U.S. Regional Banks ETF	-2.87%
KBWB	Invesco KBW Bank ETF	-2.82%
FTXO	First Trust Nasdaq Bank ETF	-2.79%
KRE	SPDR S&P Regional Banking ETF	-2.43%
ITB	iShares U.S. Home Construction ETF	-2.41%
FTXN	First Trust Nasdaq Oil & Gas ETF	-2.35%
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	-2.34%
KBE	SPDR S&P Bank ETF	-2.33%
XHB	SPDR S&P Homebuilders ETF	-2.32%
XLF	Financial Select Sector SPDR Fund	-2.20%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
REM	iShares Mortgage Real Estate ETF	28.85
MORT	VanEck Mortgage REIT Income ETF	33.21
PNQI	Invesco NASDAQ Internet ETF	33.34
KBWD	Invesco KBW High Dividend Yield Financial ETF	33.59
XRT	SPDR S&P Retail ETF	34.11
BIZD	VanEck BDC Income ETF	34.38
PEZ	Invesco DWA Consumer Cyclical Momentum ETF	34.79
MLPX	Global X MLP & Energy Infrastructure ETF	34.98
ENFR	Alerian Energy Infrastructure ETF	35.01
RUFF	Alpha Dog ETF	35.09

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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	\$376M	(\$127M)	\$1,411M	\$1,332M
Consumer Discretionary	13	\$38B	\$995M	\$2,747M	\$3,009M	\$849M
Consumer Staples	12	\$22B	\$387M	(\$14M)	\$415M	(\$2,132M)
Energy	34	\$53B	\$308M	\$1,776M	(\$396M)	\$9,098M
Financials	28	\$83B	\$366M	\$3,967M	(\$1,560M)	\$20,070M
Health Care	26	\$92B	\$1,059M	\$2,012M	\$6,815M	\$3,364M
Industrial	14	\$35B	\$127M	\$43M	(\$3,827M)	(\$399M)
Materials	10	\$16B	\$84M	(\$546M)	(\$3,280M)	\$3,553M
Multi-Sector	17	\$26B	\$446M	\$1,770M	\$1,844M	\$4,517M
Real Estate	22	\$81B	\$381M	\$1,569M	\$5,454M	\$11,327M
Technology	24	\$157B	\$2,162M	\$5,434M	\$9,470M	\$7,989M
Utilities	10	\$21B	(\$78M)	(\$514M)	\$1,120M	(\$141M)

U.S. Sector & Industry Flow Leaders

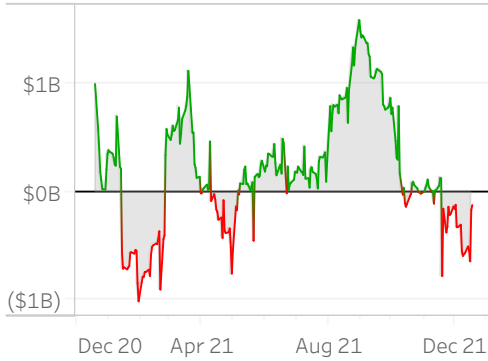
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$1,247M	\$2,853M	\$2,631M	(\$1,253M)	\$24,407M
XLK	Technology Select Sector SPDR Fund	\$1,050M	\$2,516M	\$3,234M	\$2,430M	\$51,357M
IHI	iShares U.S. Medical Devices ETF	\$958M	\$1,206M	\$1,433M	(\$759M)	\$9,624M
XLC	Communication Services Select Sector SPDR Fu..	\$435M	(\$78M)	\$793M	\$452M	\$14,403M
FTXN	First Trust Nasdaq Oil & Gas ETF	\$432M	\$862M	\$827M	\$876M	\$876M
SOXX	iShares Semiconductor ETF	\$373M	\$1,270M	\$1,667M	\$2,585M	\$9,529M
VNQ	Vanguard Real Estate ETF	\$358M	\$1,700M	\$2,469M	\$6,671M	\$48,178M
XLV	Health Care Select Sector SPDR Fund	\$352M	\$346M	\$3,777M	\$3,462M	\$34,609M
XLP	Consumer Staples Select Sector SPDR Fund	\$351M	(\$221M)	\$117M	(\$1,824M)	\$13,288M
XLF	Financial Select Sector SPDR Fund	\$325M	\$2,189M	(\$1,478M)	\$9,713M	\$44,200M

U.S. Sector & Industry Flow Laggards

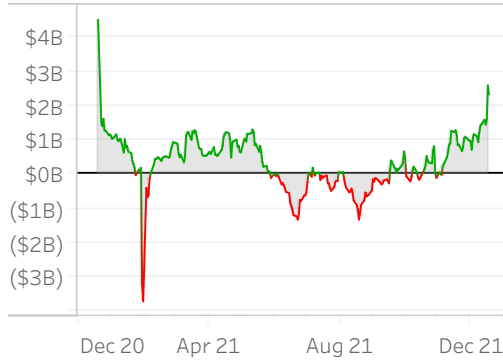
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XRT	SPDR S&P Retail ETF	(\$278M)	(\$535M)	(\$96M)	(\$329M)	\$477M
KBWB	Invesco KBW Bank ETF	(\$207M)	(\$105M)	\$488M	\$915M	\$2,826M
IBB	iShares Biotechnology ETF	(\$168M)	(\$104M)	(\$141M)	(\$464M)	\$9,643M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$152M)	(\$411M)	(\$1,067M)	(\$640M)	\$3,094M
REZ	iShares Residential and Multisector Real Estat..	(\$144M)	(\$41M)	\$364M	\$504M	\$1,125M
XSW	SPDR S&P Software & Services ETF	(\$132M)	(\$115M)	(\$149M)	(\$14M)	\$387M
IYZ	iShares U.S. Telecommunications ETF	(\$78M)	\$116M	\$76M	\$77M	\$525M
XBI	SPDR S&P BIOTECH ETF	(\$74M)	\$444M	\$514M	(\$335M)	\$6,235M
IYT	iShares US Transportation ETF	(\$66M)	\$129M	(\$323M)	(\$87M)	\$1,738M
XLU	Utilities Select Sector SPDR Fund	(\$64M)	(\$628M)	\$763M	(\$534M)	\$13,221M

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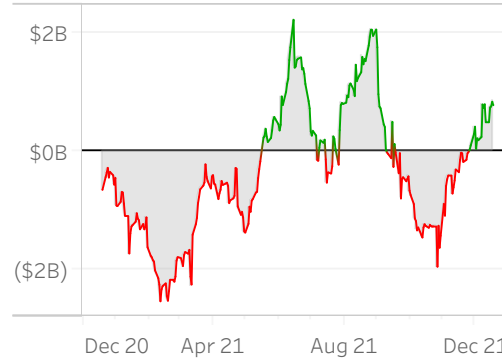
Communication Services



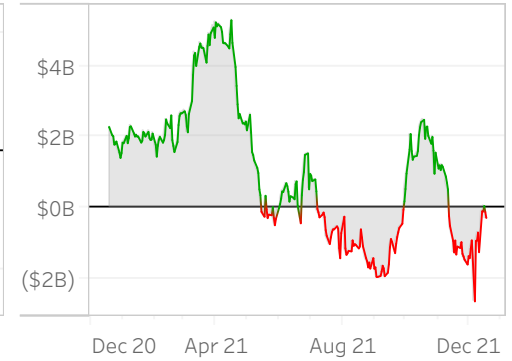
Consumer Discretionary



Consumer Staples



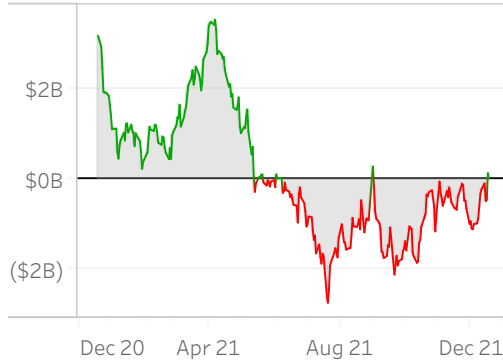
Energy



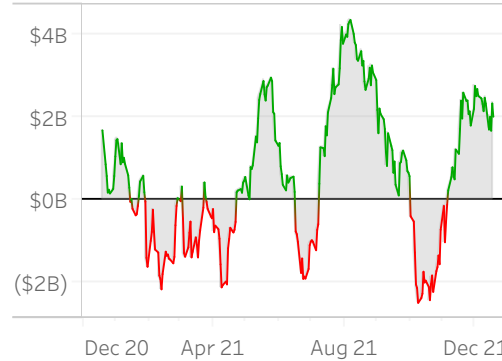
Financials



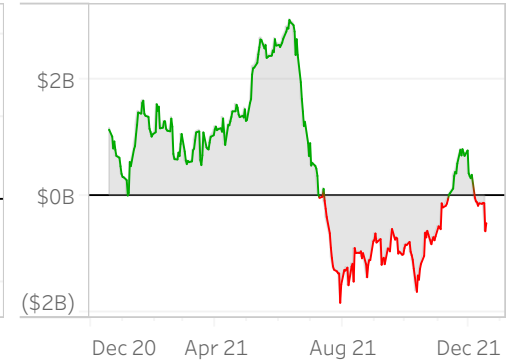
Industrial



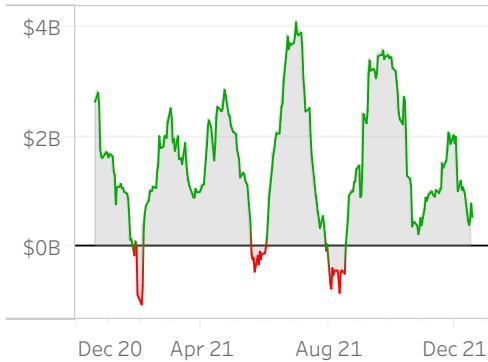
Health Care



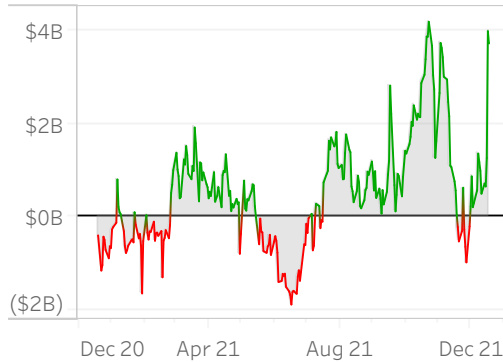
Materials



Real Estate



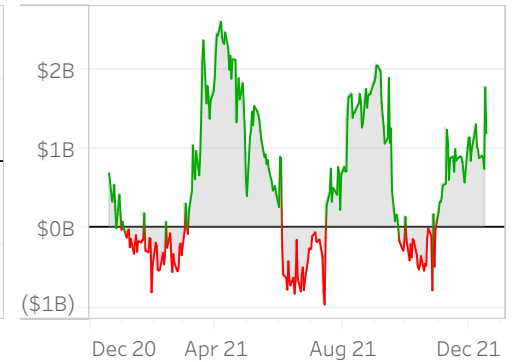
Technology



Utilities

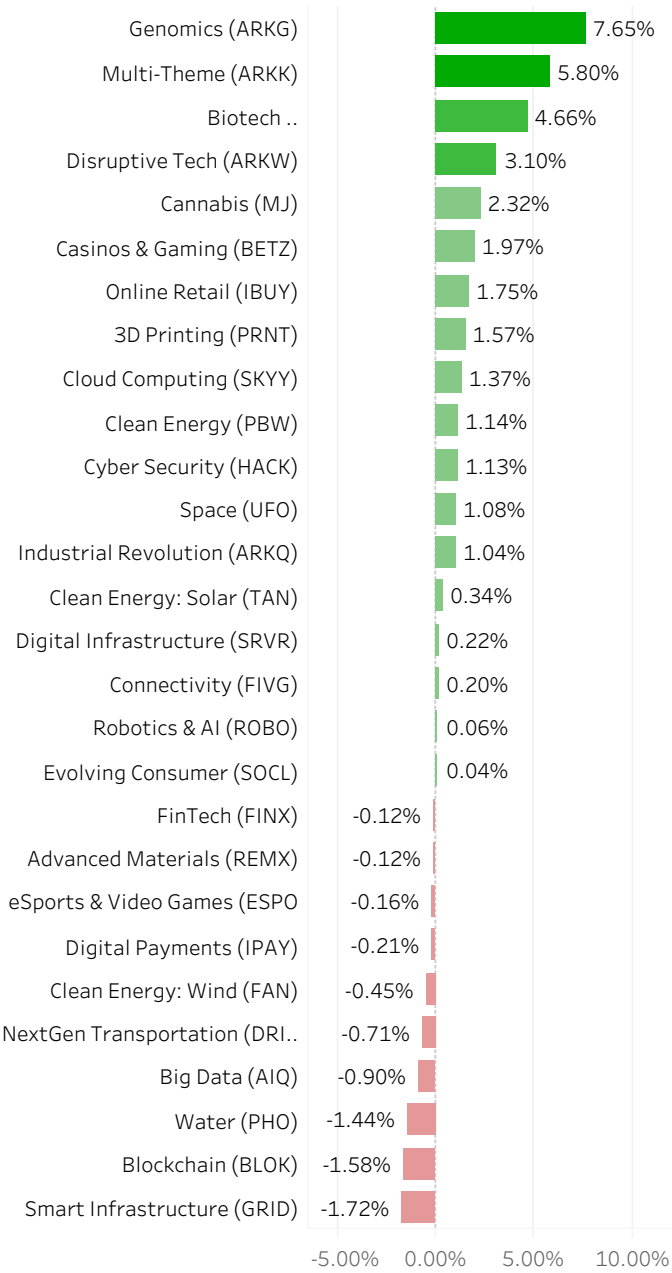


Multi-Sector

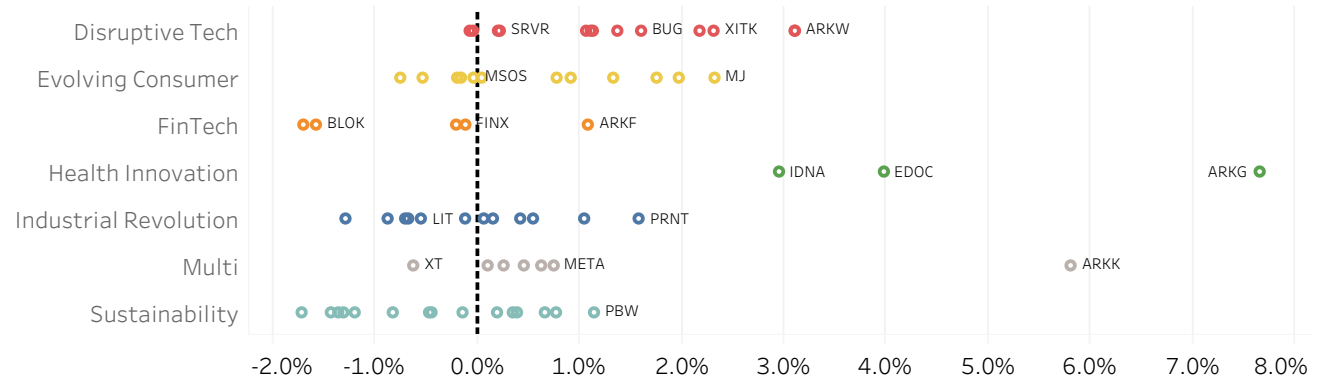


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
ARKG	ARK Genomic Revolution ETF	7.65%
ARKK	ARK Innovation ETF	5.80%
GNOM	Global X Genomics & Biotechnology ETF	5.33%
SBIO	ALPS Medical Breakthroughs ETF	4.66%
BTEC	Principal Healthcare Innovators ETF	4.22%
EDOC	Global X Telemedicine & Digital Health ETF	3.97%
POTX	Global X Cannabis ETF	3.19%
MOON	Direxion Moonshot Innovators ETF	3.14%
ARKW	ARK Next Generation Internet ETF	3.10%
WCLD	WisdomTree Cloud Computing Fund	3.10%

Thematic Most Overbought

Ticker	Fund	Price
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	59.08
VPN	Global X Data Center REITs & Digital Infrastructure ETF	56.14
GERM	ETFMG Treatments Testing and Advancements ETF	54.61
NXTG	First Trust Indxx NextG ETF	53.13
FIVG	Defiance Next Gen Connectivity ETF	51.80
SBIO	ALPS Medical Breakthroughs ETF	50.56
GNOM	Global X Genomics & Biotechnology ETF	50.12
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	49.16
PIO	Invesco Global Water ETF	48.38
ARKG	ARK Genomic Revolution ETF	48.30

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
BKCH	Global X Blockchain ETF	-2.99%
BITQ	Bitwise Crypto Industry Innovators ETF	-1.95%
EVX	VanEck Environmental Services ETF	-1.77%
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastruct..	-1.72%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.71%
EBLU	Ecofin Global Water ESG Fund	-1.60%
BLOK	Amplify Transformational Data Sharing ETF	-1.58%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-1.54%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-1.51%
DAPP	VanEck Digital Transformation ETF	-1.51%

Thematic Most Oversold

Ticker	Fund	Price
KEMQ	KraneShares Emerging Markets Consumer Technology In..	24.73
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	26.22
EMQQ	Emerging Markets Internet & Ecommerce ETF	27.04
IBUY	Amplify Online Retail ETF	27.19
ONLN	ProShares Online Retail ETF	28.81
DAPP	VanEck Digital Transformation ETF	29.20
EBIZ	Global X E-Commerce ETF	29.60
BKCH	Global X Blockchain ETF	29.66
CNBS	Amplify Seymour Cannabis ETF	29.71
ARKF	ARK Fintech Innovation ETF	29.89

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$432M
HACK	ETFMG Prime Cyber Security ETF	\$152M
ARKK	ARK Innovation ETF	\$126M
FIVG	Defiance Next Gen Connectivity ETF	\$107M
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	\$83M
XITK	SPDR FactSet Innovative Technology ETF	\$80M
META	Roundhill Ball Metaverse ETF	\$78M
ROBO	ROBO Global Robotics & Automation Index ETF	\$68M
PHO	Invesco Water Resources ETF	\$56M
IPAY	ETFMG Prime Mobile Payments ETF	\$54M

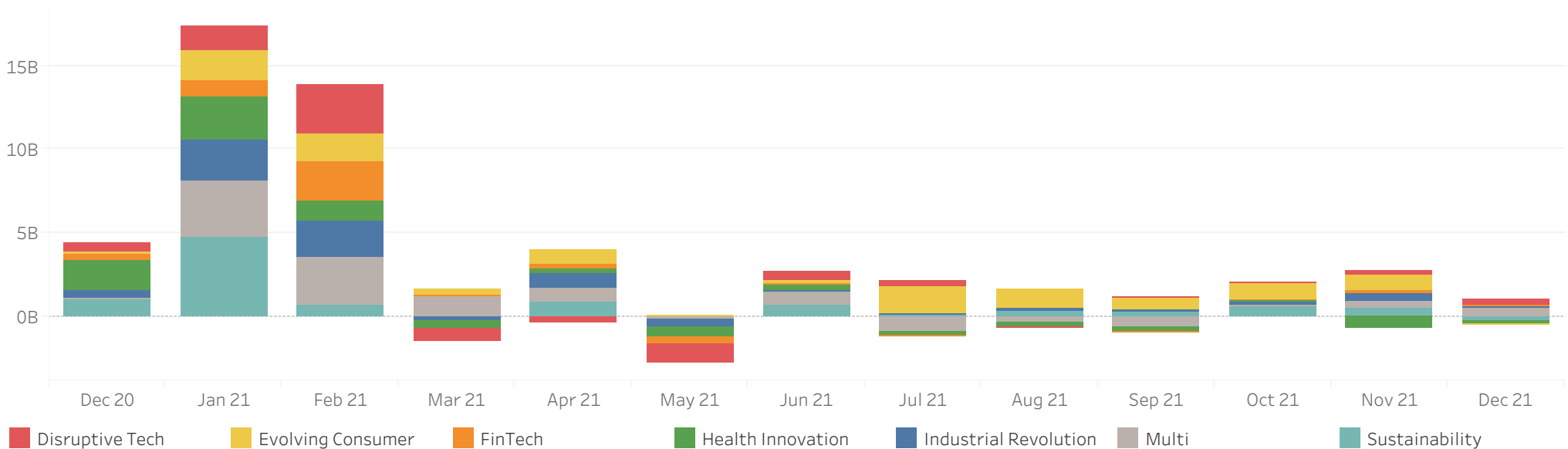
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
TAN	Invesco Solar ETF	(\$124M)
ARKG	ARK Genomic Revolution ETF	(\$121M)
ARKW	ARK Next Generation Internet ETF	(\$73M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$57M)
ARKF	ARK Fintech Innovation ETF	(\$44M)
ICLN	iShares Global Clean Energy ETF	(\$38M)
IHAK	iShares Cybersecurity & Tech ETF	(\$30M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$27M)
BLOK	Amplify Transformational Data Sharing ETF	(\$23M)
WCLD	WisdomTree Cloud Computing Fund	(\$10M)

Thematic Landscape Assets & Flows

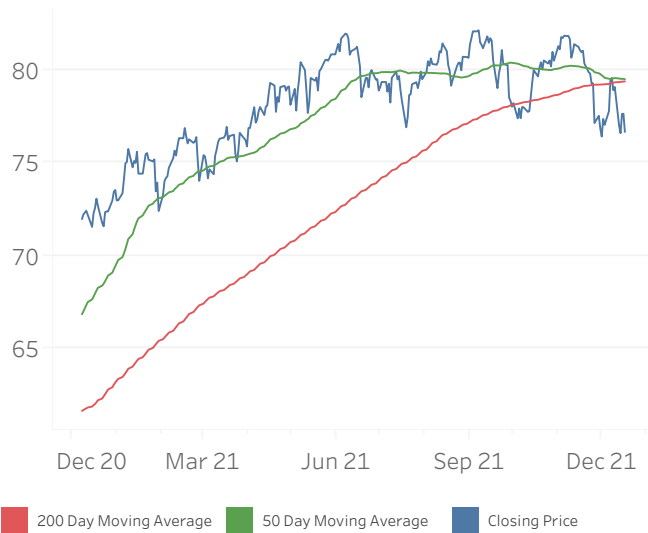
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	37	\$28B	\$372M	\$449M	\$985M	\$4,242M
Evolving Consumer	44	\$15B	(\$49M)	\$1,965M	\$5,670M	\$10,609M
FinTech	18	\$7B	\$24M	\$136M	(\$86M)	\$3,777M
Health Innovation	17	\$7B	(\$101M)	(\$1,005M)	(\$1,335M)	\$3,467M
Industrial Revolution	22	\$17B	\$88M	\$765M	\$1,029M	\$6,579M
Multi	28	\$26B	\$728M	\$632M	(\$744M)	\$8,204M
Sustainability	36	\$23B	\$51M	\$773M	\$1,613M	\$9,173M
Grand Total	202	\$122B	\$1,114M	\$3,715M	\$7,133M	\$46,050M

Thematic Monthly Flows

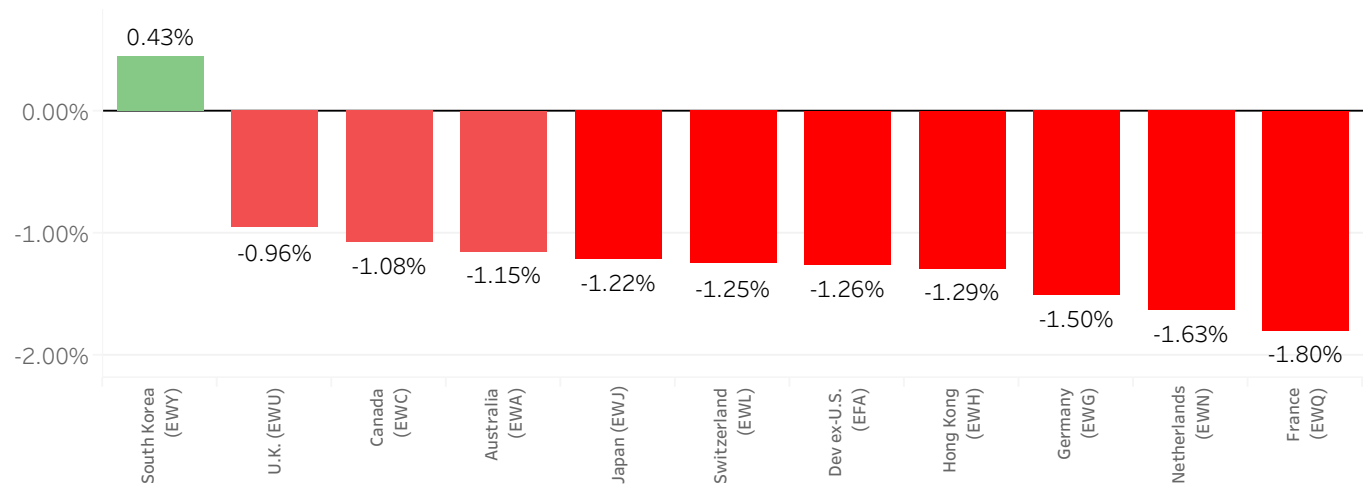


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

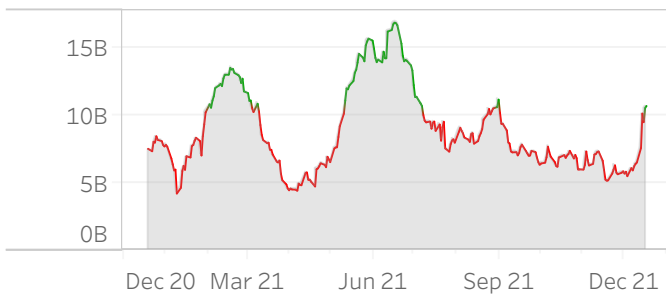
Developed ex-U.S. (EFA)



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



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



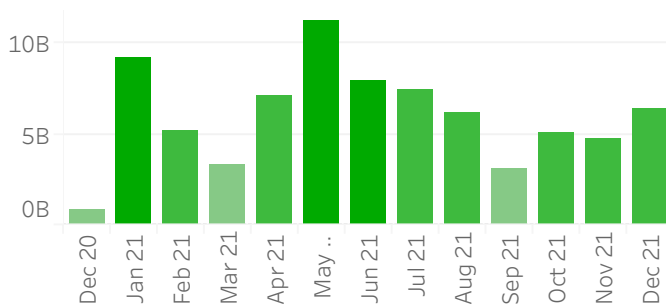
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWY	iShares MSCI South Korea ETF	0.43%
FLKR	Franklin FTSE South Korea ETF	0.34%
WPS	iShares International Developed Property ETF	0.23%
ISRA	VanEck Israel ETF	-0.05%
LVHI	Legg Mason International Low Volatility High Dividend ETF	-0.06%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	-0.15%
EIRL	iShares MSCI Ireland ETF	-0.24%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-0.28%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.28%
AIA	iShares Asia 50 ETF	-0.36%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
LVHI	Legg Mason International Low Volatility High Dividend ETF	58.36
EWL	iShares MSCI Switzerland ETF	57.01
DOO	WisdomTree International Dividend ex-Financials Fund	51.72
DXJ	WisdomTree Japan Hedged Equity Fund	51.63
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	50.33
IVAL	Alpha Architect International Quantitative Value ETF	49.83
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	49.44
DOL	WisdomTree International LargeCap Dividend Fund	49.21
IDOG	ALPS International Sector Dividend Dogs ETF	49.11
DTH	WisdomTree International High Dividend Fund	48.84

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EDEN	iShares MSCI Denmark ETF	-3.05%
FGM	First Trust Germany AlphaDEX Fund	-2.11%
RFDI	First Trust Riverfront Dynamic Developed International E..	-1.99%
IMTM	iShares MSCI Intl Momentum Factor ETF	-1.90%
ENZL	iShares MSCI New Zealand ETF	-1.85%
IQDG	WisdomTree International Quality Dividend Growth Fund	-1.84%
TPIF	Timothy Plan International ETF	-1.80%
EWQ	iShares MSCI France ETF	-1.80%
IMOM	Alpha Architect International Quantitative Momentum ETF	-1.80%
FEZ	SPDR EURO STOXX 50 ETF	-1.78%

Developed ex-U.S. Most Oversold

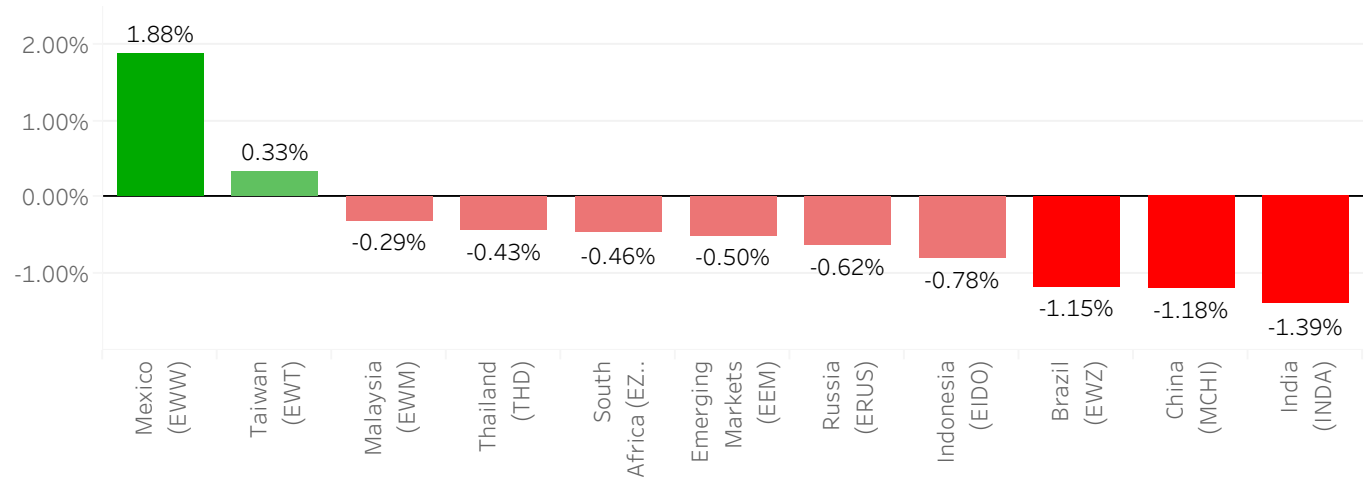
Ticker	Fund	Value
EWS	iShares MSCI Singapore ETF	18.91
EWUS	iShares MSCI United Kingdom Small Cap ETF	30.01
EWH	iShares MSCI Hong Kong ETF	30.20
ENZL	iShares MSCI New Zealand ETF	30.66
EWP	iShares MSCI Spain ETF	31.03
AAXJ	iShares MSCI All Country Asia ex Japan ETF	31.72
NUDM	Nuveen ESG International Developed Markets Equit..	31.92
EPP	iShares MSCI Pacific ex-Japan ETF	31.93
SCHC	Schwab International Small-Cap Equity ETF	32.69
SCZ	iShares MSCI EAFE Small-Cap ETF	33.61

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Emerging (EEM)



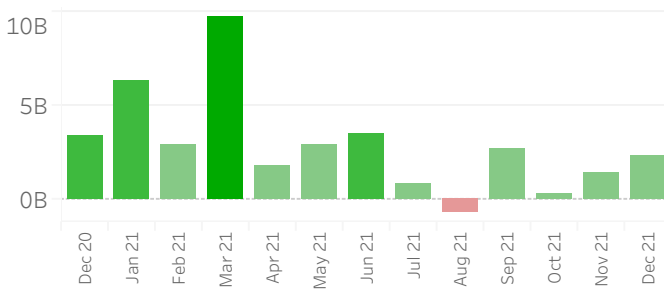
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWW	iShares MSCI Mexico ETF	1.88%
EPU	iShares MSCI Peru ETF	1.26%
EPHE	iShares MSCI Philippines ETF	0.65%
PGJ	Invesco Golden Dragon China ETF	0.48%
EWT	iShares MSCI Taiwan ETF	0.33%
XCEM	Columbia EM Core ex-China ETF	0.14%
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets Eq..	0.12%
ECNS	iShares MSCI China Small-Cap ETF	0.06%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.08%
GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ETF	-0.19%

Emerging Most Overbought

Ticker	Fund	Value
EWW	iShares MSCI Mexico ETF	60.17
VNM	VanEck Vietnam ETF	56.11
EPHE	iShares MSCI Philippines ETF	54.68
FEM	First Trust Emerging Markets AlphaDEX Fund	50.96
KBA	KraneShares Boser MSCI China A Share ETF	50.13
PIE	Invesco DWA Emerging Markets Momentum ETF	50.09
DEM	WisdomTree Emerging Markets High Dividend Fund	49.77
FRDM	Freedom 100 Emerging Markets ETF	48.45
KSA	iShares MSCI Saudi Arabia ETF	48.15
EDIV	SPDR S&P Emerging Markets Dividend ETF	47.35

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	-13.93%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-2.05%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-1.98%
PIN	Invesco India ETF	-1.75%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-1.69%
EPOL	iShares MSCI Poland ETF	-1.67%
KBA	KraneShares Boser MSCI China A Share ETF	-1.54%
EPI	WisdomTree India Earnings Fund	-1.53%
SMIN	iShares MSCI India Small Cap ETF	-1.52%
CNYA	iShares MSCI China A ETF	-1.49%

Emerging Most Oversold

Ticker	Fund	Value
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	22.20
INDY	iShares India 50 ETF	24.41
INDA	iShares MSCI India ETF	26.50
BKF	iShares MSCI BRIC ETF	28.78
NUEM	Nuveen ESG Emerging Markets Equity ETF	28.98
PGJ	Invesco Golden Dragon China ETF	29.39
ECNS	iShares MSCI China Small-Cap ETF	29.65
ESGE	iShares ESG Aware MSCI EM ETF	29.88
EWM	iShares MSCI Malaysia ETF	30.16
FXI	iShares China Large-Cap ETF	30.25

* 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	0.12%	0.57%	-1.41%
SHY	1-3 Year Treasury Bonds	-0.05%	-0.17%	-0.66%
IEF	7-10 Year Treasury Bonds	0.22%	1.51%	-2.48%
TLT	20+ Year Treasury Bonds	1.13%	3.37%	-2.90%
TIP	TIPS Bonds	0.01%	-1.26%	4.61%
FLOT	Floating Rate Bonds	0.02%	-0.21%	0.27%
LQD	Investment Grade Corporate	0.23%	0.93%	-1.48%
HYG	High Yield Corporate	-0.09%	0.29%	2.98%
BKLN	Senior Loan	0.09%	-0.06%	1.78%
PFF	Preferred & Income Securities	-0.23%	0.54%	5.29%
MUB	Municipal Bonds	0.01%	0.71%	1.12%
MBB	MBS	-0.02%	0.01%	-1.32%
EMB	Dollar Denominated EM Bonds	-0.17%	0.04%	-2.76%
LEMB	Local Currency EM Bond	-0.46%	-3.33%	-11.43%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.04%	-6.99%	26.44%
DBE	Energy	-2.01%	-7.71%	50.18%
USO	WTI Crude Oil	-2.10%	-7.67%	53.83%
BNO	Brent Crude Oil	-2.04%	-8.18%	52.56%
UNG	Natural Gas	-2.43%	-26.14%	30.87%
UGA	Gasoline	-1.40%	-4.70%	61.74%
DBP	Precious Metals	-0.31%	-5.52%	-9.28%
GLD	Gold	-0.21%	-3.84%	-5.92%
SLV	Silver	-0.53%	-10.75%	-15.83%
PPLT	Platinum	-0.26%	-12.12%	-13.66%
PALL	Palladium	3.06%	-19.21%	-27.97%
DBB	Base Metals	-0.23%	3.69%	23.70%
CPER	Copper	-0.11%	1.36%	20.38%
LD	Lead	-0.32%	4.31%	18.57%
JJN	Nickel	-1.21%	1.92%	16.93%
JJU	Aluminum	2.63%	4.83%	35.31%
JJT	Tin	-1.17%	0.95%	116.78%
DBA	Agriculture	-0.81%	-2.64%	21.31%
CORN	Corn	-0.28%	0.09%	38.06%
SOYB	Soybeans	0.68%	-0.63%	13.25%
WEAT	Wheat	0.41%	-7.01%	20.03%
CANE	Sugar	-2.03%	-6.61%	36.00%
BAL	Cotton	-2.29%	-8.74%	35.23%
NIB	Cocoa	-2.76%	-3.55%	-8.62%
JO	Coffee	-1.32%	-0.03%	70.14%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.70%	0.86%	6.89%
UDN	Short Dollar	-0.74%	-1.04%	-7.95%
FXE	Euro	-0.85%	-0.84%	-8.92%
FXB	British Pound Sterling	-0.67%	-1.90%	-3.57%
FXF	Swiss Franc	-0.54%	0.35%	-5.31%
FXJ	Japanese Yen	-0.06%	0.32%	-9.75%
FXC	Canadian Dollar	-0.91%	-2.23%	-1.76%
FXA	Australian Dollar	-0.77%	-1.94%	-7.98%

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