

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

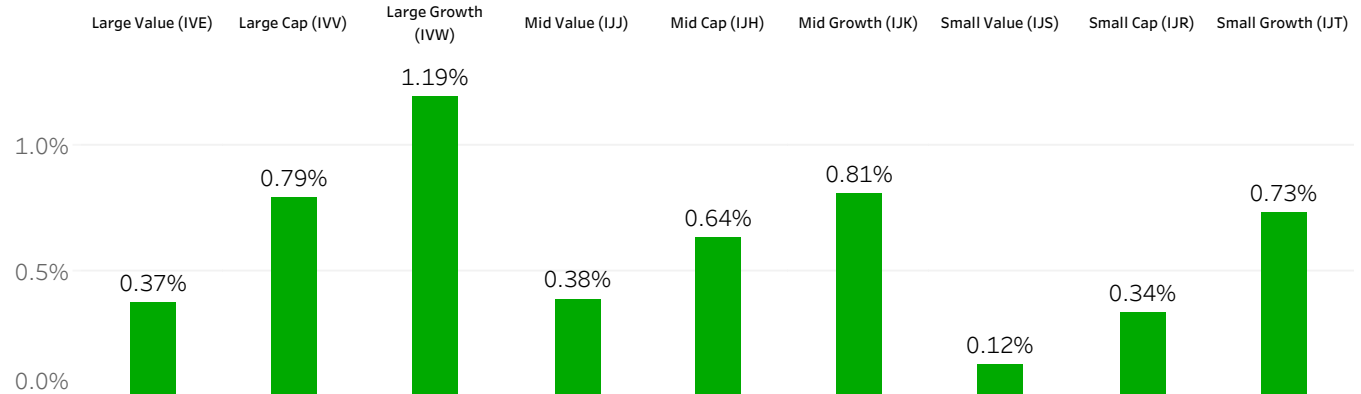


Small Cap Blend (S&P 600) IJR



■ 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
BUL	Pacer US Cash Cows Growth ETF	2.32%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	2.21%
ONEO	SPDR Russell 1000 Momentum Focus ETF	2.08%
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	2.08%
RPG	Invesco S&P 500 Pure Growth ETF	2.01%
TMFS	Motley Fool Small-Cap Growth ETF	1.92%
LCG	Sterling Capital Focus Equity ETF	1.91%
EQRR	ProShares Equities for Rising Rates ETF	1.79%
CSD	Invesco S&P Spin-Off ETF	1.78%
SIXA	ETC 6 Meridian Mega Cap Equity ETF	1.57%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	77.18
QVML	Invesco S&P 500 QVM Multi-factor ETF	68.44
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	67.59
DURA	VanEck Durable High Dividend ETF	66.89
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	65.56
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	65.20
PTLC	Pacer Trendpilot US Large Cap ETF	64.42
SPLV	Invesco S&P 500 Low Volatility ETF	64.37
ALTL	Pacer Lunt Large Cap Alternator ETF	63.94
HUSV	First Trust Horizon Managed Volatility Domestic ETF	63.52

Size & Style 1-Day Performance Laggards

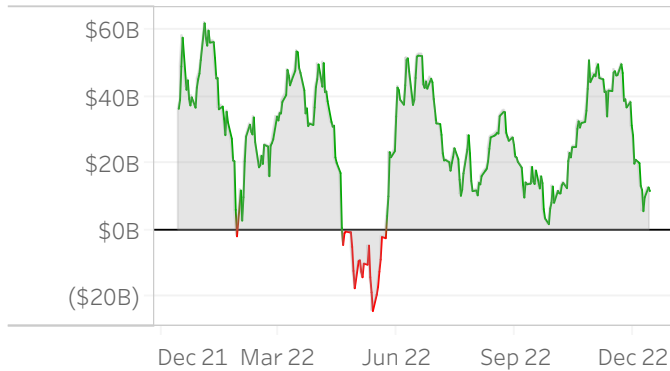
Ticker	Fund	1-Day Performance
ACSI	American Customer Satisfaction ETF	-2.53%
FYX	First Trust Small Cap Core AlphaDEX Fund	-0.37%
MTUM	iShares MSCI USA Momentum Factor ETF	-0.24%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-0.23%
PWC	Invesco Dynamic Market ETF	-0.20%
XMVM	Invesco S&P MidCap Value with Momentum ETF	-0.19%
SIXL	ETC 6 Meridian Low Beta Equity ETF	-0.13%
AUSF	Global X Adaptive U.S. Factor ETF	-0.10%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-0.09%
USMF	WisdomTree U.S. Multifactor Fund	-0.08%

Size & Style Most Oversold

Ticker	Fund	Value
FFTY	Innovator IBD 50 ETF	38.82
QMOM	Momentumshares US Quantitative Momentum E..	40.85
XSMO	Invesco S&P SmallCap Momentum ETF	44.29
SVAL	iShares US Small Cap Value Factor ETF	44.31
XSVM	Invesco S&P SmallCap Value with Momentum ETF	44.64
WBI	WBI BullBear Yield 3000 ETF	45.29
FPX	First Trust US Equity Opportunities ETF	46.00
XMMO	Invesco S&P MidCap Momentum ETF	46.04
RUFF	Alpha Dog ETF	46.21
QVAL	Alpha Architect US Quantitative Value ETF	46.40

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

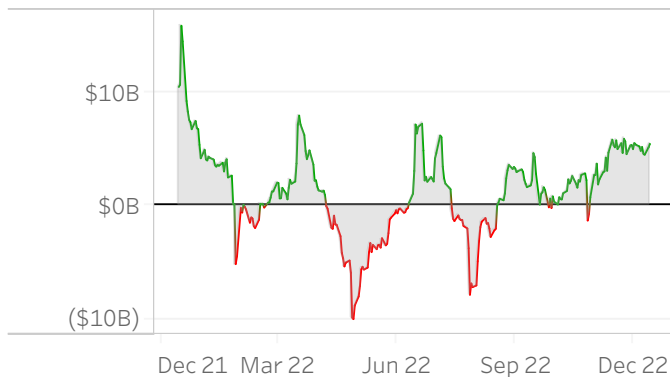
Large-Cap 30-Day Rolling Flows



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	25	\$1,248B	\$10.67B	\$42.18B	\$62.82B	\$91.42B
Large Cap, Beta Growth, Beta: Growth	10	\$225B	\$0.80B	\$7.99B	\$15.23B	\$21.40B
Large Cap, Beta Growth, Beta: Value	11	\$226B	\$0.68B	\$0.20B	\$1.60B	\$18.65B
Mid Cap, Beta, Beta	10	\$185B	\$2.43B	\$4.51B	\$8.31B	\$14.23B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.19B	(\$0.36B)	\$1.11B	\$0.83B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.56B	\$1.05B	\$2.04B	\$2.23B
Small Cap, Beta, Beta	13	\$193B	\$0.63B	\$2.20B	\$3.50B	\$0.17B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.26B	\$0.28B	\$0.71B	\$0.66B
Small Cap, Beta, Beta: Value	7	\$51B	\$0.37B	\$0.00B	(\$0.46B)	(\$2.86B)

U.S. Size & Style Flow Leaders

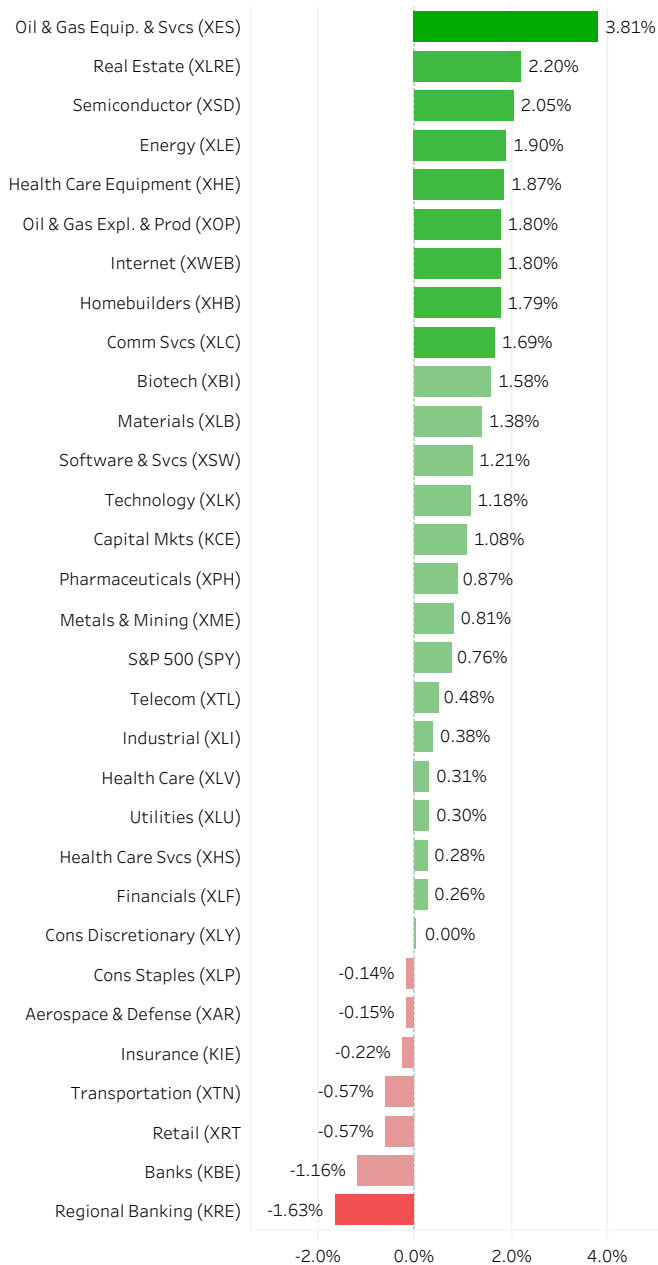
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$10.45B	\$23.67B	\$27.24B	\$1.59B	\$381.36B
VO	Vanguard Mid-Cap ETF	\$2.36B	\$0.72B	\$3.44B	\$5.89B	\$54.16B
QQQ	Invesco QQQ Trust	\$1.23B	\$2.24B	\$2.29B	\$9.01B	\$158.02B
VTI	Vanguard Total Stock Market ETF	\$0.92B	\$3.42B	\$12.70B	\$26.60B	\$271.12B
VOE	Vanguard Mid-Cap Value ETF	\$0.73B	\$0.38B	\$0.83B	\$2.42B	\$17.34B
VTV	Vanguard Value ETF	\$0.54B	(\$4.42B)	(\$2.06B)	\$11.08B	\$101.23B
IWF	iShares Russell 1000 Growth ETF	\$0.36B	\$2.29B	\$2.91B	\$2.85B	\$61.67B
VB	Vanguard Small-Cap ETF	\$0.32B	(\$1.26B)	(\$0.02B)	(\$1.85B)	\$42.38B
VBR	Vanguard Small Cap Value ETF	\$0.32B	(\$0.33B)	\$0.54B	(\$0.70B)	\$24.76B
SCHD	Schwab US Dividend Equity ETF	\$0.26B	\$4.16B	\$7.51B	\$14.94B	\$44.36B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$1.25B)	\$6.04B	\$8.38B	\$21.36B	\$305.32B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.15B)	\$1.07B	\$3.45B	\$2.74B	\$30.93B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.14B)	\$0.02B	\$0.03B	(\$1.00B)	\$7.46B
IVE	iShares S&P 500 Value ETF	(\$0.12B)	\$0.41B	\$0.09B	\$2.55B	\$25.23B
ESML	iShares ESG Aware MSCI USA Small-Cap ETF	(\$0.10B)	(\$0.09B)	(\$0.04B)	\$0.33B	\$1.40B
SHE	SPDR MSCI USA Gender Diversity ETF	(\$0.09B)	\$0.00B	(\$0.01B)	(\$0.02B)	\$0.21B
VYM	Vanguard High Dividend Yield Index ETF	(\$0.07B)	\$1.16B	\$3.83B	\$8.78B	\$50.77B
SPTM	SPDR Portfolio S&P 1500 Composite Stock Ma..	(\$0.06B)	\$0.03B	\$0.31B	\$0.67B	\$5.72B
RDVY	First Trust Rising Dividend Achievers ETF	(\$0.06B)	(\$0.47B)	(\$0.63B)	\$1.78B	\$8.25B
MDYG	SPDR S&P 400 Mid Cap Growth ETF	(\$0.05B)	(\$0.14B)	\$0.12B	\$0.19B	\$1.63B

* 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)
XLV	Health Care Select Sector SPDR Fund	-2.07%	16.67%	5.95%	6.95%	63.68
XLP	Consumer Staples Select Sector SPDR Fund	-4.95%	15.16%	5.48%	3.92%	60.76
XLI	Industrial Select Sector SPDR Fund	-5.51%	22.10%	6.55%	7.32%	60.05
XLU	Utilities Select Sector SPDR Fund	-6.98%	18.12%	7.88%	1.88%	65.27
XLE	Energy Select Sector SPDR Fund	-8.10%	56.18%	-1.55%	7.78%	45.40
XLB	Materials Select Sector SPDR Fund	-8.61%	23.01%	7.97%	4.57%	61.13
XLF	Financial Select Sector SPDR Fund	-15.31%	15.81%	3.41%	2.60%	52.02
SPY	SPDR S&P 500 ETF Trust	-15.85%	12.74%	4.32%	0.09%	56.76
XLK	Technology Select Sector SPDR Fund	-23.38%	16.12%	6.17%	-0.77%	58.04
XLRE	Real Estate Select Sector SPDR Fund	-23.82%	16.88%	7.08%	-5.76%	62.17
XLY	Consumer Discretionary Select Sector SPDR Fund	-33.54%	5.86%	-1.07%	-9.66%	45.56
XLC	Communication Services Select Sector SPDR Fund	-35.76%	11.58%	2.87%	-9.95%	55.08

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IEZ	iShares U.S. Oil Equipment & Services ETF	4.70%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	3.81%
AMZA	InfraCap MLP ETF	3.18%
PXJ	Invesco Dynamic Oil & Gas Services ETF	3.14%
PSCE	Invesco S&P SmallCap Energy ETF	2.35%
XLRE	Real Estate Select Sector SPDR Fund	2.20%
RYE	Invesco S&P 500 Equal Weight Energy ETF	2.11%
XSD	SPDR S&P Semiconductor ETF	2.05%
FXN	First Trust Energy AlphaDEX Fund	2.03%
FDN	First Trust Dow Jones Internet Index Fund	1.99%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLU	Utilities Select Sector SPDR Fund	65.27
FUTY	Fidelity MSCI Utilities Index ETF	65.26
VPU	Vanguard Utilities ETF	64.71
RYU	Invesco S&P 500 Equal Weight Utilities ETF	64.46
PINK	Simplify Health Care ETF	64.23
FXU	First Trust Utilities AlphaDEX Fund	63.99
IHI	iShares U.S. Medical Devices ETF	63.84
XLV	Health Care Select Sector SPDR Fund	63.68
RYH	Invesco S&P 500 Equal Weight Health Care ETF	63.58
ITB	iShares U.S. Home Construction ETF	63.05

Sector & Industry 1 Day Performance Laggards

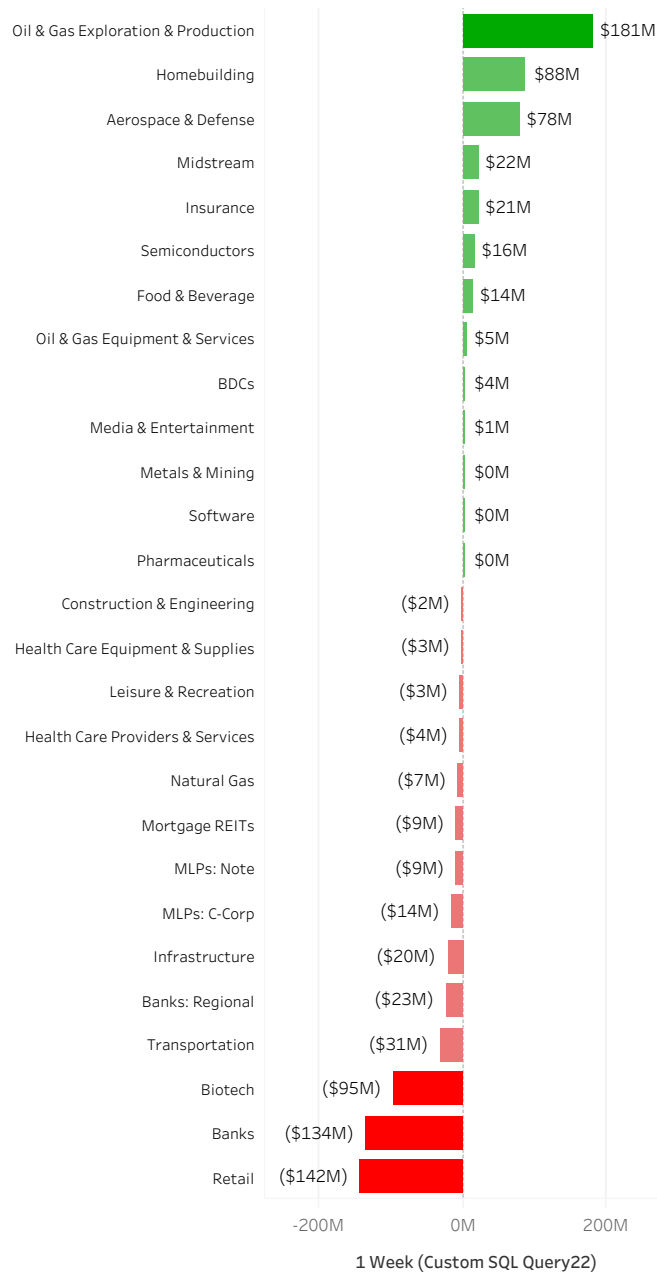
Ticker	Fund	1 Day Performance
KBWR	Invesco KBW Regional Banking ETF	-1.94%
KRE	SPDR S&P Regional Banking ETF	-1.63%
FTXO	First Trust Nasdaq Bank ETF	-1.22%
KBE	SPDR S&P Bank ETF	-1.16%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.12%
IHF	iShares U.S. Healthcare Providers ETF	-1.00%
IAT	iShares U.S. Regional Banks ETF	-0.88%
XRT	SPDR S&P Retail ETF	-0.57%
XTN	SPDR S&P Transportation ETF	-0.57%
PFI	Invesco DWA Financial Momentum ETF	-0.55%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWR	Invesco KBW Regional Banking ETF	34.72
KRE	SPDR S&P Regional Banking ETF	36.31
QABA	First Trust NASDAQ ABA Community Bank Index Fund	37.63
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	37.94
FTXO	First Trust Nasdaq Bank ETF	38.62
PXE	Invesco Dynamic Energy Exploration & Production ETF	38.62
IAT	iShares U.S. Regional Banks ETF	38.80
KBE	SPDR S&P Bank ETF	38.81
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	40.79
FTXN	First Trust Nasdaq Oil & Gas ETF	41.39

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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	7	\$12B	(\$12M)	(\$5M)	(\$159M)	(\$1,374M)
Consumer Discretionary	12	\$21B	(\$268M)	(\$510M)	(\$1,026M)	(\$6,599M)
Consumer Staples	10	\$31B	\$239M	\$590M	\$2,681M	\$8,399M
Energy	33	\$78B	\$25M	\$835M	(\$3,821M)	\$668M
Financials	26	\$60B	\$195M	(\$1,279M)	(\$1,602M)	(\$10,754M)
Health Care	23	\$99B	\$359M	\$2,607M	\$3,067M	\$12,956M
Industrial	13	\$31B	(\$55M)	\$695M	(\$825M)	(\$1,953M)
Materials	9	\$14B	\$90M	(\$355M)	(\$3,377M)	(\$1,036M)
Multi-Sector	19	\$13B	\$31M	(\$492M)	(\$2,210M)	(\$6,424M)
Real Estate	25	\$61B	\$180M	(\$367M)	(\$2,675M)	(\$2,938M)
Technology	23	\$118B	(\$101M)	\$2,148M	\$1,254M	\$165M
Utilities	9	\$27B	\$150M	(\$608M)	\$738M	\$5,249M

U.S. Sector & Industry Flow Leaders

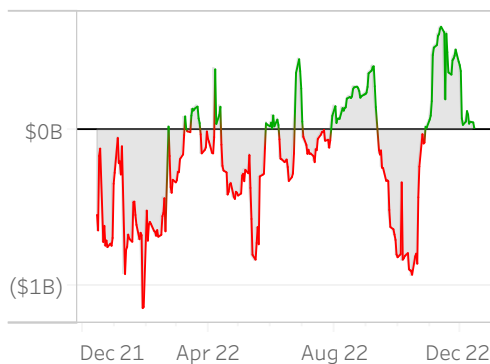
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$468M	\$1,407M	\$830M	\$8,533M	\$43,206M
XLF	Financial Select Sector SPDR Fund	\$457M	(\$1,073M)	(\$810M)	(\$5,493M)	\$32,544M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$220M	\$83M	(\$252M)	(\$454M)	\$4,352M
XLP	Consumer Staples Select Sector SPDR Fund	\$217M	\$494M	\$1,840M	\$4,814M	\$18,028M
IYR	iShares U.S. Real Estate ETF	\$174M	\$42M	(\$711M)	(\$1,350M)	\$3,598M
XLU	Utilities Select Sector SPDR Fund	\$154M	(\$305M)	\$561M	\$3,558M	\$16,896M
XLK	Technology Select Sector SPDR Fund	\$111M	\$548M	\$644M	\$1,118M	\$40,876M
XLB	Materials Select Sector SPDR Fund	\$77M	(\$205M)	(\$1,597M)	(\$1,598M)	\$5,591M
ITA	iShares U.S. Aerospace & Defense ETF	\$67M	\$370M	\$278M	\$1,756M	\$4,522M
XHB	SPDR S&P Homebuilders ETF	\$52M	\$39M	(\$53M)	(\$782M)	\$942M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	(\$209M)	(\$427M)	\$170M	\$348M	\$42,237M
XRT	SPDR S&P Retail ETF	(\$142M)	\$2M	\$21M	(\$181M)	\$304M
XBI	SPDR S&P BIOTECH ETF	(\$125M)	\$644M	\$862M	\$3,371M	\$7,875M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$124M)	(\$490M)	(\$849M)	(\$2,985M)	\$13,740M
XLI	Industrial Select Sector SPDR Fund	(\$103M)	\$231M	(\$1,007M)	(\$2,244M)	\$13,946M
XLE	Energy Select Sector SPDR Fund	(\$94M)	\$161M	(\$1,967M)	(\$619M)	\$39,317M
KBWB	Invesco KBW Bank ETF	(\$84M)	(\$10M)	\$0M	(\$365M)	\$1,891M
VFH	Vanguard Financials ETF	(\$74M)	(\$218M)	(\$408M)	(\$1,332M)	\$8,890M
KBE	SPDR S&P Bank ETF	(\$49M)	(\$120M)	(\$467M)	(\$869M)	\$1,910M
VDE	Vanguard Energy ETF	(\$41M)	(\$83M)	(\$649M)	(\$716M)	\$8,142M

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Communication Services



Consumer Discretionary



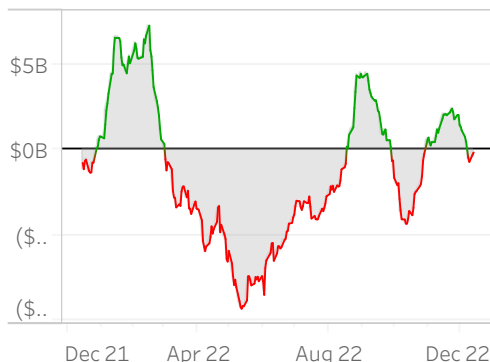
Consumer Staples



Energy



Financials



Industrial



Health Care



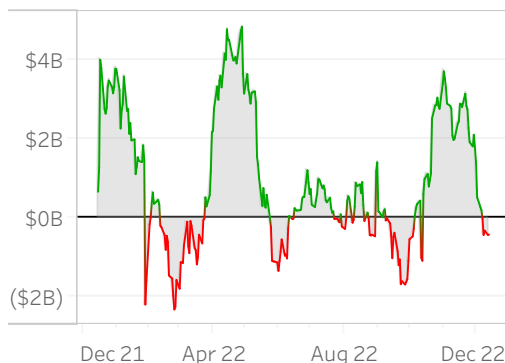
Materials



Real Estate



Technology



Utilities

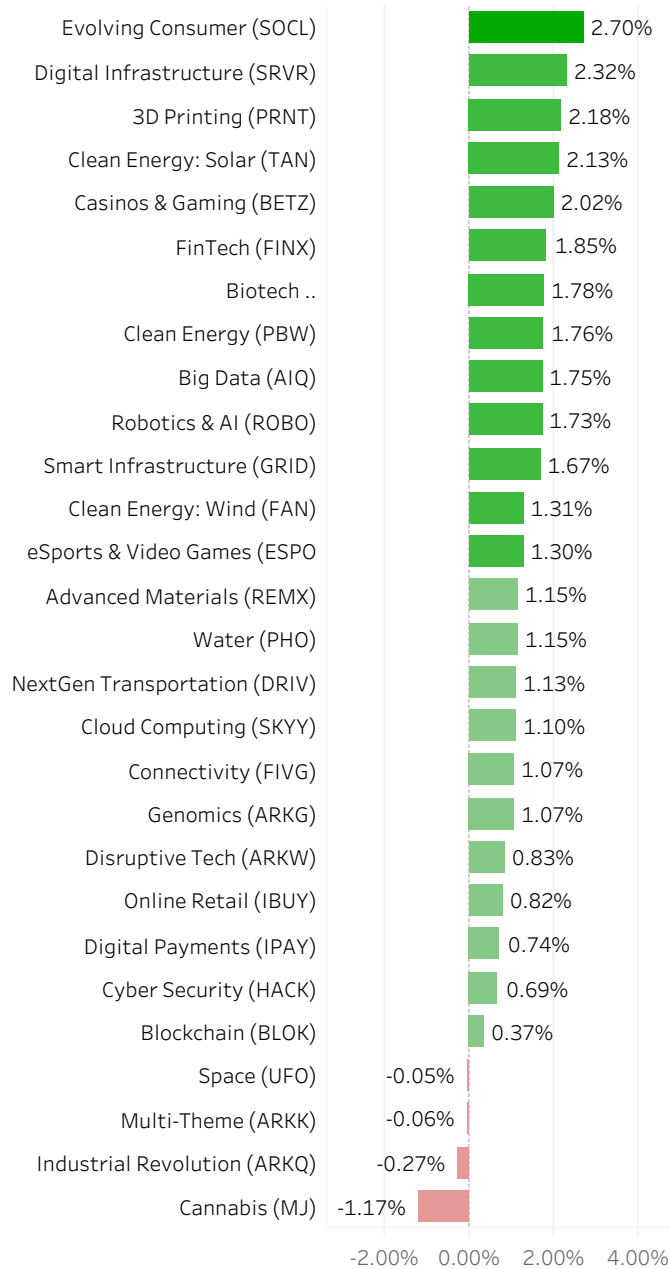


Multi-Sector

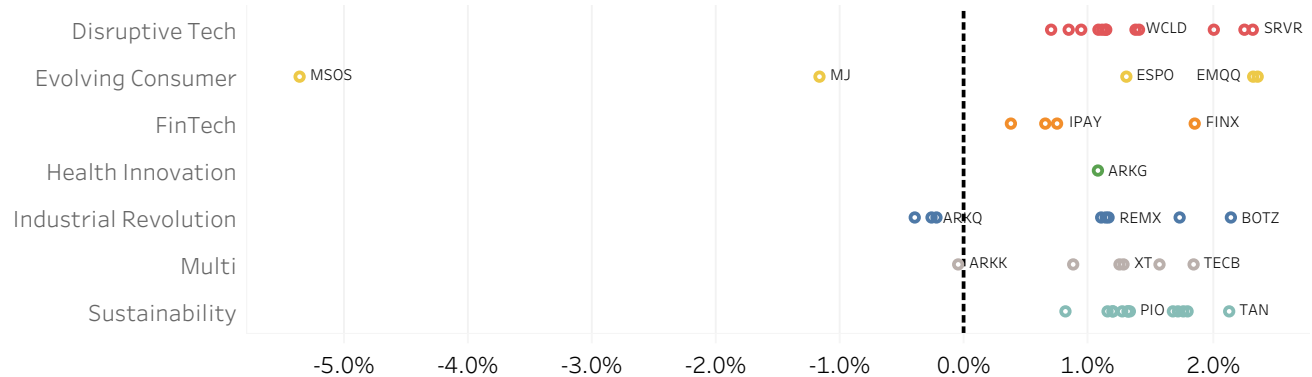


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
VPN	Global X Data Center REITs & Digital Infrastructure ETF	2.81%
IDNA	iShares Genomics Immunology and Healthcare ETF	2.76%
SOCL	Global X Social Media ETF	2.70%
XITK	SPDR FactSet Innovative Technology ETF	2.37%
KWEB	KraneShares CSI China Internet ETF	2.36%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	2.32%
SRVR	Pacer Data & Infrastructure Real Estate ETF	2.32%
SNSR	Global X Internet of Things ETF	2.25%
PRNT	3D Printing ETF	2.18%
BOTZ	Global X Robotics & Artificial Intelligence ETF	2.14%

Thematic Most Overbought

Ticker	Fund	Value
BJK	VanEck Gaming ETF	71.73
SOCL	Global X Social Media ETF	66.96
FAN	First Trust Global Wind Energy ETF	66.85
KWEB	KraneShares CSI China Internet ETF	65.31
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	65.01
SNSR	Global X Internet of Things ETF	64.80
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	64.68
PIO	Invesco Global Water ETF	64.35
KLDW	Knowledge Leaders Developed World ETF	64.08
EDOC	Global X Telemedicine & Digital Health ETF Registered	63.12

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-5.36%
MJUS	ETFMG U.S. Alternative Harvest ETF	-2.93%
YOLO	AdvisorShares Pure Cannabis ETF	-1.79%
POTX	Global X Cannabis ETF	-1.52%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	-1.17%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.10%
LIT	Global X Lithium & Battery Tech ETF	-0.41%
ARKQ	ARK Autonomous Technology & Robotics ETF	-0.27%
ARKX	ARK Space Exploration & Innovation ETF	-0.23%
ARKK	ARK Innovation ETF	-0.06%

Thematic Most Oversold

Ticker	Fund	Value
MSOS	AdvisorShares Pure US Cannabis ETF	32.76
MJUS	ETFMG U.S. Alternative Harvest ETF	33.85
YOLO	AdvisorShares Pure Cannabis ETF	34.80
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	39.15
POTX	Global X Cannabis ETF	40.44
UFO	Procore Space ETF	43.14
LIT	Global X Lithium & Battery Tech ETF	43.42
BLOK	Amplify Transformational Data Sharing ETF	43.90
ACES	ALPS Clean Energy ETF	44.66
PBW	Invesco WilderHill Clean Energy ETF	44.77

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
BJK	VanEck Gaming ETF	\$19M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$13M
BETZ	Roundhill Sports Betting & iGaming ETF	\$13M
KWEB	KraneShares CSI China Internet ETF	\$4M
IBUY	Amplify Online Retail ETF	\$4M
XITK	SPDR FactSet Innovative Technology ETF	\$3M
GNOM	Global X Genomics & Biotechnology ETF	\$3M
SBIO	ALPS Medical Breakthroughs ETF	\$2M
CNRG	SPDR S&P Kensho Clean Power ETF	\$2M
HTEC	ROBO Global Healthcare Technology and Innovation ETF	\$1M

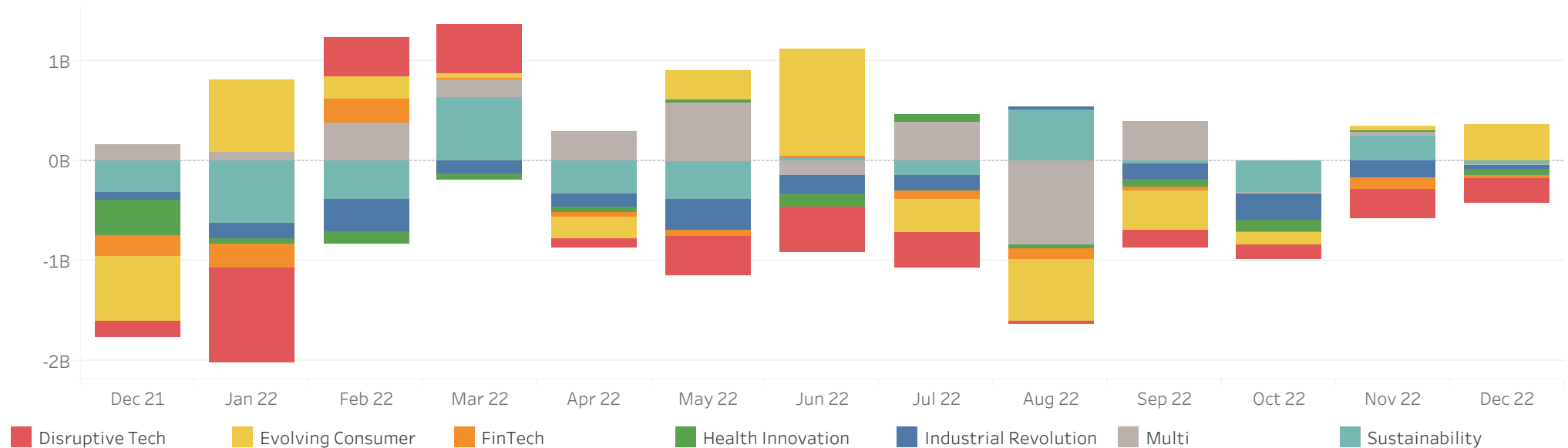
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKG	ARK Genomic Revolution ETF	(\$44M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$42M)
LIT	Global X Lithium & Battery Tech ETF	(\$40M)
ARKK	ARK Innovation ETF	(\$40M)
TAN	Invesco Solar ETF	(\$38M)
SKYY	First Trust Cloud Computing ETF	(\$33M)
ARKW	ARK Next Generation Internet ETF	(\$25M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$14M)
FINX	Global X FinTech ETF	(\$14M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$11M)

Thematic Landscape Assets & Flows

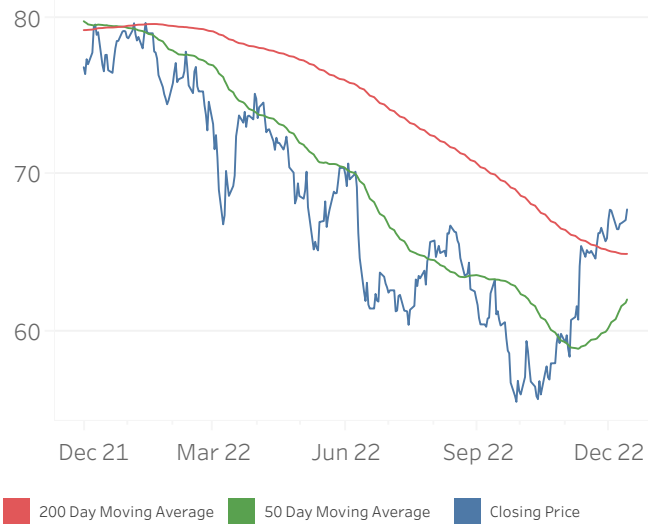
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$16B	(\$130M)	(\$788M)	(\$1,377M)	(\$2,358M)
Evolving Consumer	46	\$10B	\$25M	(\$71M)	(\$532M)	\$368M
FinTech	22	\$2B	(\$19M)	(\$200M)	(\$397M)	(\$660M)
Health Innovation	19	\$3B	(\$30M)	(\$199M)	(\$317M)	(\$933M)
Industrial Revolution	32	\$11B	(\$42M)	(\$583M)	(\$937M)	(\$2,094M)
Multi	41	\$14B	\$4M	\$356M	\$270M	\$1,499M
Sustainability	40	\$19B	(\$62M)	(\$174M)	\$347M	(\$1,139M)
Grand Total	235	\$75B	(\$252M)	(\$1,659M)	(\$2,944M)	(\$5,316M)

Thematic Monthly Flows

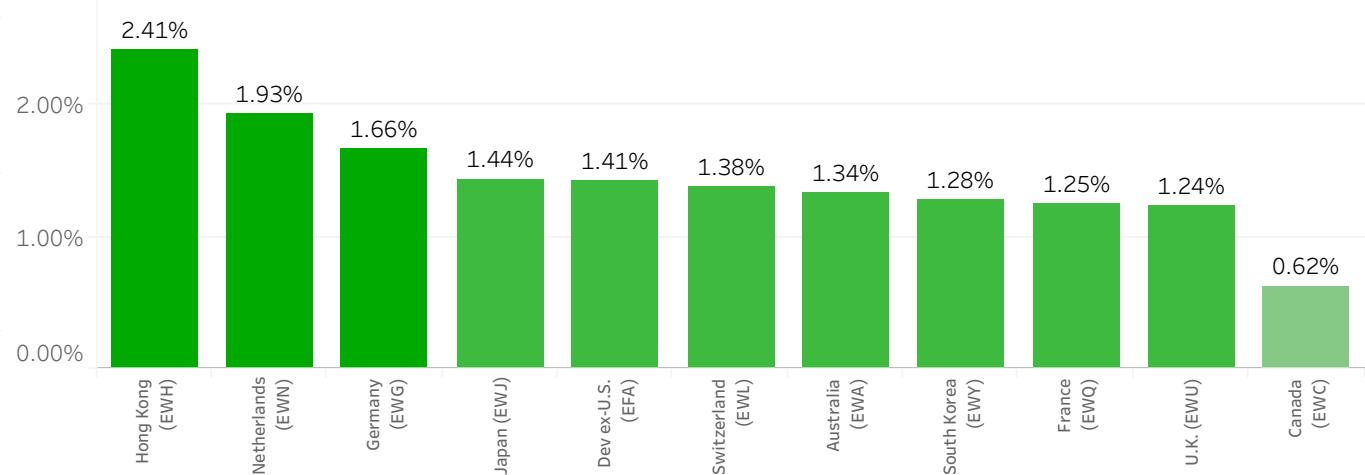


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

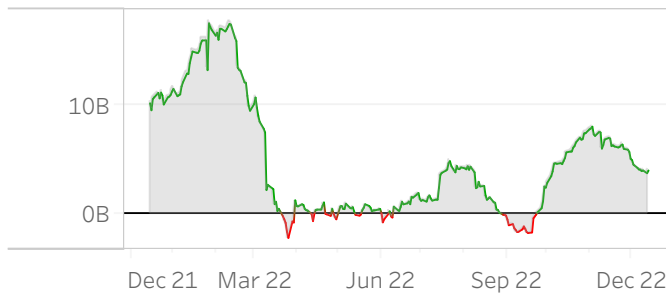
Developed ex-U.S. (EFA)



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



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



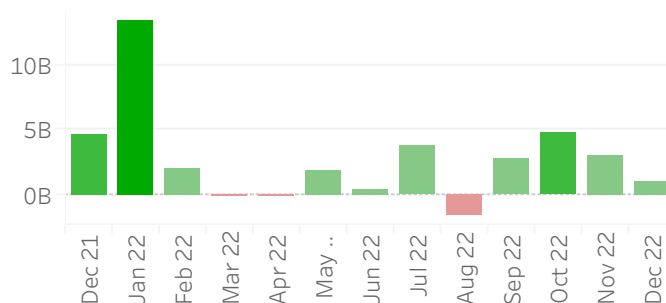
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	2.77%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	2.63%
EWH	iShares MSCI Hong Kong ETF	2.41%
EWD	iShares MSCI Sweden ETF	2.41%
FSZ	First Trust Switzerland AlphaDEX Fund	2.35%
CIL	VictoryShares International Volatility Wtd ETF	2.21%
EWS	iShares MSCI Singapore ETF	2.13%
IEUS	iShares MSCI Europe Small-Cap ETF	2.12%
EWN	iShares MSCI Netherlands ETF	1.93%
IMFL	Invesco International Developed Dynamic Multifactor ETF	1.88%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EDEN	iShares MSCI Denmark ETF	76.10
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	75.18
IMFL	Invesco International Developed Dynamic Multifactor ETF	74.80
EWH	iShares MSCI Hong Kong ETF	73.19
GSID	Goldman Sachs MarketBeta International Equity ETF	72.00
NUDM	Nuveen ESG International Developed Markets Equity ETF	71.33
FLGB	Franklin FTSE United Kingdom ETF	71.25
DIVI	Franklin International Core Dividend Tilt Index ETF	71.04
DOL	WisdomTree International LargeCap Dividend Fund	70.91
EUDG	WisdomTree Europe Quality Dividend Growth Fund	70.81

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.24%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.18%
LVHI	Franklin International Low Volatility High Dividend Index ..	0.19%
DXJ	WisdomTree Japan Hedged Equity Fund	0.22%
GREK	Global X MSCI Greece ETF	0.22%
BBCA	JPMorgan BetaBuilders Canada ETF	0.27%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	0.30%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.30%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	0.33%
HEFA	iShares Currency Hedged MSCI EAFE ETF	0.43%

Developed ex-U.S. Most Oversold

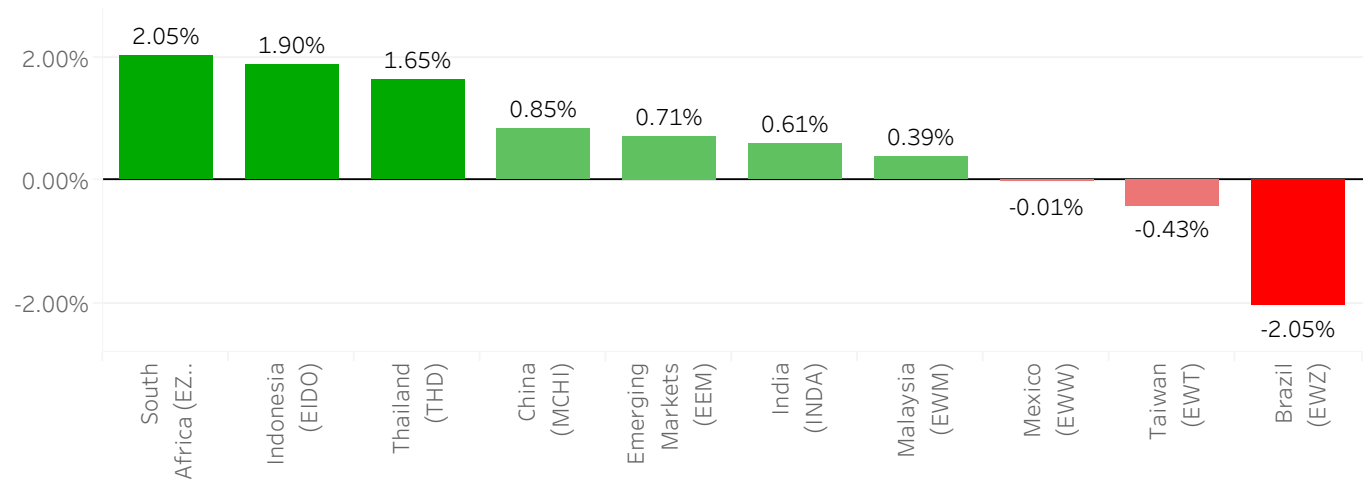
Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	15.62
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	21.49
HEFA	iShares Currency Hedged MSCI EAFE ETF	24.41
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	28.03
HEZU	iShares Currency Hedged MSCI Eurozone ETF	30.04
IHDG	WisdomTree International Hedged Quality Dividend ..	32.68
LVHI	Franklin International Low Volatility High Dividend I..	40.84
EWC	iShares MSCI Canada ETF	45.15
EIS	iShares MSCI Israel ETF	47.16
BBCA	JPMorgan BetaBuilders Canada ETF	49.85

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Emerging (EEM)



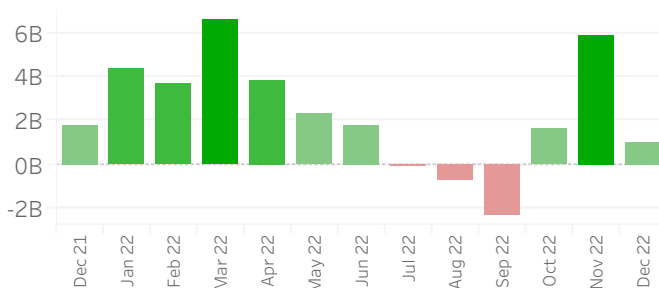
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
LDEM	iShares ESG MSCI EM Leaders ETF	2.08%
EZA	iShares MSCI South Africa ETF	2.05%
KSA	iShares MSCI Saudi Arabia ETF	2.03%
EPOL	iShares MSCI Poland ETF	2.02%
PGJ	Invesco Golden Dragon China ETF	2.02%
EIDO	iShares MSCI Indonesia ETF	1.90%
ECH	iShares MSCI Chile ETF	1.66%
THD	iShares MSCI Thailand ETF	1.65%
FNI	First Trust Chindia ETF	1.54%
EEMA	iShares MSCI Emerging Markets Asia ETF	1.30%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	71.27
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	70.81
EPOL	iShares MSCI Poland ETF	68.53
FM	iShares MSCI Frontier and Select EM ETF	67.83
EWX	SPDR S&P Emerging Markets Small Cap ETF	67.49
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	66.58
FLCH	Franklin FTSE China ETF	66.09
THD	iShares MSCI Thailand ETF	66.04
ECNS	iShares MSCI China Small-Cap ETF	66.02
GXC	SPDR S&P China ETF	65.80

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
FBZ	First Trust Brazil AlphaDEX Fund	-2.66%
FLBR	Franklin FTSE Brazil ETF	-2.54%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.24%
EWZ	iShares MSCI Brazil ETF	-2.05%
QAT	iShares MSCI Qatar ETF	-1.63%
FLLA	Franklin FTSE Latin America ETF	-1.44%
ILF	iShares Latin America 40 ETF	-1.21%
FLN	First Trust Latin America AlphaDEX Fund	-1.01%
EWT	iShares MSCI Taiwan ETF	-0.43%
EPU	iShares MSCI Peru ETF	-0.35%

Emerging Most Oversold

Ticker	Fund	Price
QAT	iShares MSCI Qatar ETF	25.65
EWT	iShares MSCI Taiwan ETF	27.71
ILF	iShares Latin America 40 ETF	27.82
EWZ	iShares MSCI Brazil ETF	28.71
EWZS	iShares MSCI Brazil Small-Cap ETF	29.80
KSA	iShares MSCI Saudi Arabia ETF	31.02
FLBR	Franklin FTSE Brazil ETF	35.41
FLLA	Franklin FTSE Latin America ETF	38.63
INDY	iShares India 50 ETF	38.63
FBZ	First Trust Brazil AlphaDEX Fund	41.28

*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	0.67%	3.30%	-11.00%
SHY	1-3 Year Treasury Bonds	0.30%	0.54%	-3.69%
IEF	7-10 Year Treasury Bonds	0.90%	2.96%	-12.84%
TLT	20+ Year Treasury Bonds	0.97%	10.28%	-25.80%
TIP	TIPS Bonds	0.30%	1.68%	-10.62%
FLOT	Floating Rate Bonds	0.06%	0.42%	0.79%
LQD	Investment Grade Corporate	0.87%	5.21%	-14.89%
HYG	High Yield Corporate	1.04%	2.66%	-8.48%
BKLN	Senior Loan	0.77%	0.31%	-1.31%
PFF	Preferred & Income Securities	1.02%	0.13%	-15.64%
MUB	Municipal Bonds	0.56%	2.95%	-6.51%
MBB	MBS	1.02%	3.28%	-9.70%
EMB	Dollar Denominated EM Bonds	0.96%	4.89%	-16.42%
LEMB	Local Currency EM Bond	1.22%	3.35%	-10.60%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	2.23%	-1.77%	19.69%
DBE	Energy	2.42%	-11.44%	31.50%
USO	WTI Crude Oil	2.25%	-11.45%	21.16%
BNO	Brent Crude Oil	3.06%	-15.07%	27.21%
UNG	Natural Gas	6.83%	11.01%	70.30%
UGA	Gasoline	3.70%	-15.60%	27.91%
DBP	Precious Metals	1.60%	3.63%	-2.37%
GLD	Gold	1.71%	2.40%	-1.43%
SLV	Silver	1.72%	9.42%	1.49%
PPLT	abrdn Physical Platin..	3.30%	0.59%	6.84%
PALL	abrdn Physical Palla..	2.71%	-4.72%	1.73%
DBB	Base Metals	1.13%	4.08%	-7.23%
CPER	Copper	0.91%	-2.06%	-14.59%
LD	Lead	0.91%	1.87%	-2.65%
JJN	Nickel	-5.36%	2.63%	35.55%
JJU	Aluminum	1.97%	0.81%	-12.76%
JJT	Tin	0.85%	15.23%	-34.81%
DBA	Agriculture	0.61%	-1.15%	0.51%
CORN	Corn	-0.42%	-1.67%	20.47%
SOYB	Soybeans	1.13%	1.50%	22.20%
WEAT	Wheat	-0.52%	-9.95%	2.84%
CANE	Sugar	1.22%	0.58%	2.65%
BAL	Cotton	3.04%	-4.72%	-9.45%
NIB	Cocoa	1.10%	0.76%	-6.38%
JO	Coffee	0.69%	0.85%	-21.45%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.88%	-1.82%	9.75%
UDN	Short Dollar	0.98%	2.15%	-8.45%
FXE	Euro	0.90%	2.62%	-7.27%
FXB	British Pound Sterling	0.78%	4.48%	-8.40%
FXF	Swiss Franc	0.73%	1.23%	-2.80%
FXJ	Japanese Yen	1.61%	2.24%	-15.55%
FXC	Canadian Dollar	0.54%	-2.05%	-6.61%
FXA	Australian Dollar	1.41%	2.07%	-5.98%

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

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