

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

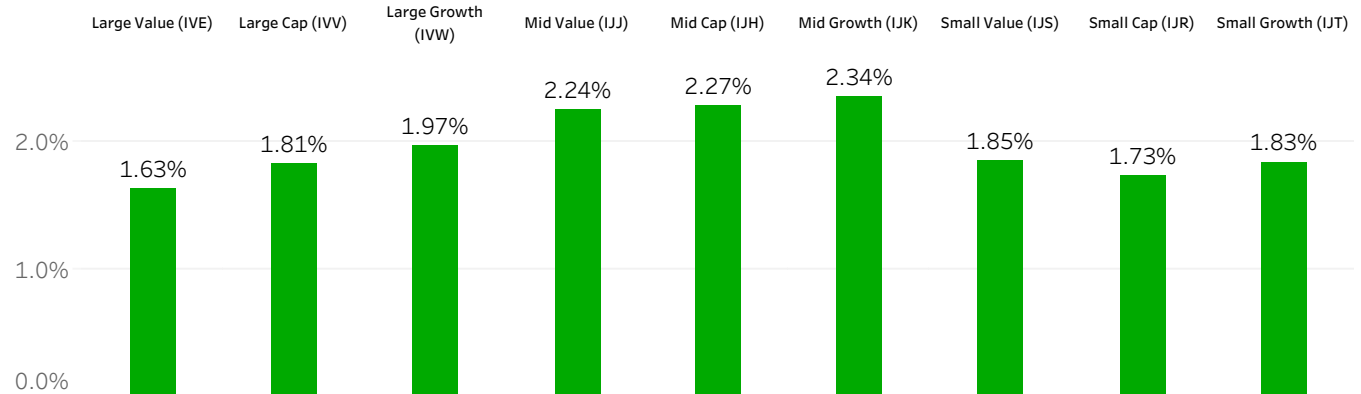


Small Cap Blend (S&P 600) IJR



■ 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
JSML	Janus Henderson Small Cap Growth Alpha ETF	3.18%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	3.10%
IPO	Renaissance IPO ETF	3.05%
ALTL	Pacer Lunt Large Cap Alternator ETF	2.98%
QQQN	VictoryShares Nasdaq Next 50 ETF	2.96%
SPHB	Invesco S&P 500 High Beta ETF	2.93%
ISCG	iShares Morningstar Small-Cap Growth ETF	2.85%
VBK	Vanguard Small-Cap Growth ETF	2.77%
MMLG	First Trust Multi-Manager Large Growth ETF	2.75%
BUZZ	VanEck Social Sentiment ETF	2.73%

Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	64.12
SPC	CrossingBridge Pre-Merger SPAC ETF	58.17
ONOF	Global X Adaptive U.S. Risk Management ETF	55.27
LSAT	Leadershires Alphafactor Tactical Focused ETF	52.07
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	51.56
SPLV	Invesco S&P 500 Low Volatility ETF	50.97
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	50.31
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	50.01
TPHD	Timothy Plan High Dividend Stock ETF	49.95
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	49.48

Size & Style 1-Day Performance Laggards

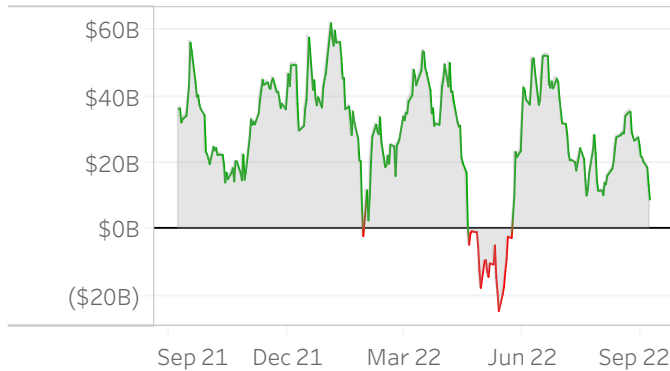
Ticker	Fund	1-Day Performance
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	-8.87%
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	-4.04%
EQRR	ProShares Equities for Rising Rates ETF	-0.79%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.19%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.09%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.05%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
LSAT	Leadershires Alphafactor Tactical Focused ETF	0.11%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.19%
RPHS	Regents Park Hedged Market Strategy ETF	0.23%

Size & Style Most Oversold

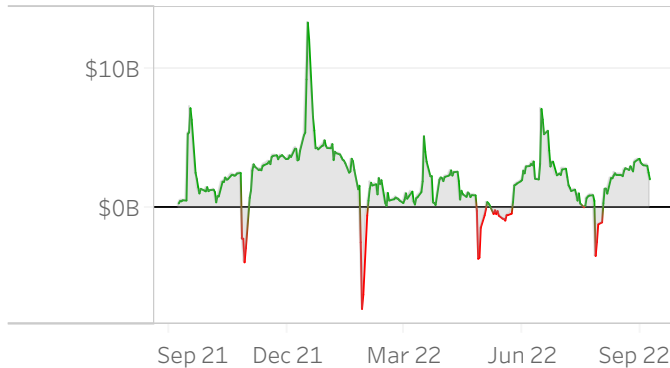
Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	17.14
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	21.13
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	27.79
SIXS	ETC 6 Meridian Small Cap Equity ETF	33.94
RPHS	Regents Park Hedged Market Strategy ETF	34.31
CSB	VictoryShares US Small Cap High Dividend Volatility ..	34.84
XSLV	Invesco S&P SmallCap Low Volatility ETF	34.98
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	35.54
XSVM	Invesco S&P SmallCap Value with Momentum ETF	35.55
DJD	Invesco Dow Jones Industrial Average Dividend ETF	35.83

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

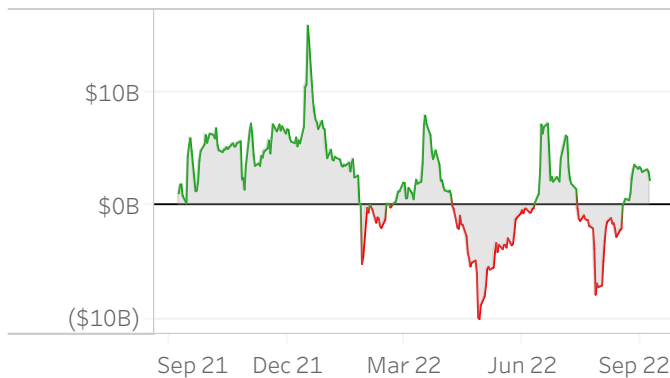
Large-Cap 30-Day Rolling Flows



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	\$1,188B	(\$3.78B)	\$9.06B	\$21.17B	\$100.08B
Large Cap, Beta Growth, Beta: Growth	10	\$222B	(\$0.39B)	\$6.74B	\$13.55B	\$16.40B
Large Cap, Beta Growth, Beta: Value	11	\$210B	(\$0.28B)	\$0.70B	\$4.97B	\$24.65B
Mid Cap, Beta, Beta	10	\$171B	(\$0.01B)	\$1.74B	\$5.13B	\$13.17B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.00B	\$0.82B	\$1.12B	\$1.27B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.29B)	\$0.57B	(\$0.03B)	\$1.38B
Small Cap, Beta, Beta	13	\$183B	\$0.31B	\$1.85B	(\$3.72B)	\$7.03B
Small Cap, Beta, Beta: Growth	7	\$30B	(\$0.02B)	\$0.24B	\$0.79B	\$1.80B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.39B)	(\$1.29B)	(\$3.97B)	(\$2.23B)

U.S. Size & Style Flow Leaders

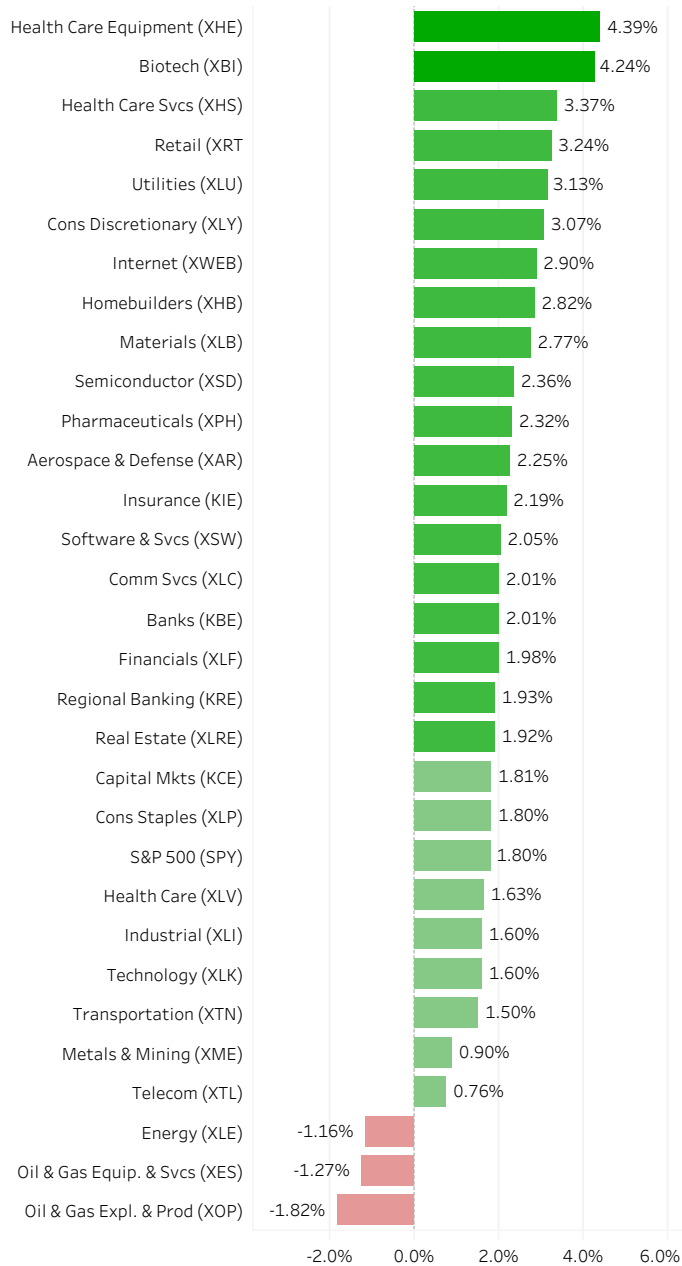
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$0.42B	\$9.74B	\$12.62B	\$43.31B	\$261.30B
VTI	Vanguard Total Stock Market ETF	\$0.35B	\$6.25B	\$10.83B	\$32.57B	\$258.16B
IWM	iShares Russell 2000 ETF	\$0.28B	(\$0.34B)	(\$3.15B)	(\$2.83B)	\$51.28B
SDY	SPDR S&P Dividend ETF	\$0.23B	\$1.03B	\$2.02B	\$2.44B	\$21.94B
VTV	Vanguard Value ETF	\$0.18B	\$1.75B	\$5.34B	\$17.73B	\$97.22B
SCHD	Schwab US Dividend Equity ETF	\$0.17B	\$3.19B	\$5.20B	\$11.77B	\$36.93B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.11B	\$0.14B	\$0.44B	\$0.19B	\$27.18B
IWD	iShares Russell 1000 Value ETF	\$0.10B	(\$0.75B)	(\$1.09B)	\$0.68B	\$51.11B
IWB	iShares Russell 1000 ETF	\$0.09B	\$0.10B	\$1.09B	\$0.56B	\$26.98B
SCHX	Schwab U.S. Large-Cap ETF	\$0.08B	\$0.84B	(\$0.58B)	\$0.79B	\$28.63B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$2.51B)	(\$1.78B)	\$2.74B	\$11.40B	\$158.66B
SPY	SPDR S&P 500 ETF Trust	(\$1.65B)	(\$3.05B)	(\$8.14B)	\$0.99B	\$352.68B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.34B)	(\$1.27B)	(\$1.15B)	(\$0.96B)	\$6.76B
IWF	iShares Russell 1000 Growth ETF	(\$0.29B)	\$0.24B	\$1.23B	(\$0.33B)	\$59.97B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.28B)	\$0.11B	\$0.12B	(\$0.86B)	\$7.18B
IVE	iShares S&P 500 Value ETF	(\$0.26B)	(\$0.21B)	\$0.70B	\$2.33B	\$23.45B
MGV	Vanguard Mega Cap Value ETF	(\$0.26B)	(\$0.05B)	\$0.57B	\$1.03B	\$5.29B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.20B)	(\$0.97B)	(\$2.97B)	(\$6.63B)	\$8.23B
IVV	iShares Core S&P 500 ETF	(\$0.20B)	\$0.48B	\$7.77B	\$30.24B	\$292.38B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.15B)	(\$1.25B)	(\$0.94B)	(\$2.52B)	\$18.46B

* 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)
XLU	Utilities Select Sector SPDR Fund	-0.78%	21.35%	5.22%	8.13%	62.04
XLP	Consumer Staples Select Sector SPDR Fund	-8.84%	6.76%	-0.90%	-1.93%	44.53
XLV	Health Care Select Sector SPDR Fund	-10.98%	6.06%	-2.13%	-3.55%	44.89
XLI	Industrial Select Sector SPDR Fund	-12.44%	9.70%	0.79%	-3.71%	45.96
XLE	Energy Select Sector SPDR Fund	-15.15%	65.36%	3.85%	7.52%	48.49
XLB	Materials Select Sector SPDR Fund	-15.94%	7.39%	0.02%	-8.07%	46.62
SPY	SPDR S&P 500 ETF Trust	-16.73%	8.72%	-0.93%	-6.51%	43.20
XLRE	Real Estate Select Sector SPDR Fund	-17.95%	9.42%	-0.61%	-6.48%	46.62
XLF	Financial Select Sector SPDR Fund	-19.22%	8.85%	0.68%	-7.50%	47.78
XLK	Technology Select Sector SPDR Fund	-24.10%	8.58%	-3.46%	-9.69%	37.58
XLY	Consumer Discretionary Select Sector SPDR Fund	-24.35%	18.79%	2.23%	-6.19%	50.26
XLC	Communication Services Select Sector SPDR Fund	-34.21%	2.19%	-3.55%	-15.76%	41.75

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XHE	SPDR S&P Health Care Equipment ETF	4.39%
XBI	SPDR S&P BIOTECH ETF	4.24%
PSCH	Invesco S&P SmallCap Health Care ETF	3.56%
XHS	SPDR S&P Health Care Services ETF	3.37%
XRT	SPDR S&P Retail ETF	3.24%
RCD	Invesco S&P 500 Equal Weight Consumer Discretio..	3.22%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	3.15%
XLU	Utilities Select Sector SPDR Fund	3.13%
UTES	Virtus Reaves Utilities ETF	3.11%
FUTY	Fidelity MSCI Utilities Index ETF	3.10%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IDU	iShares U.S. Utilities ETF	62.27
XLU	Utilities Select Sector SPDR Fund	62.04
RYU	Invesco S&P 500 Equal Weight Utilities ETF	61.78
VPU	Vanguard Utilities ETF	61.35
FUTY	Fidelity MSCI Utilities Index ETF	61.14
UTES	Virtus Reaves Utilities ETF	61.01
FXU	First Trust Utilities AlphaDEX Fund	59.19
PUI	Invesco DWA Utilities Momentum ETF	57.07
PTH	Invesco DWA Healthcare Momentum ETF	53.99
KBWP	Invesco KBW Property & Casualty Insurance ETF	52.97

Sector & Industry 1 Day Performance Laggards

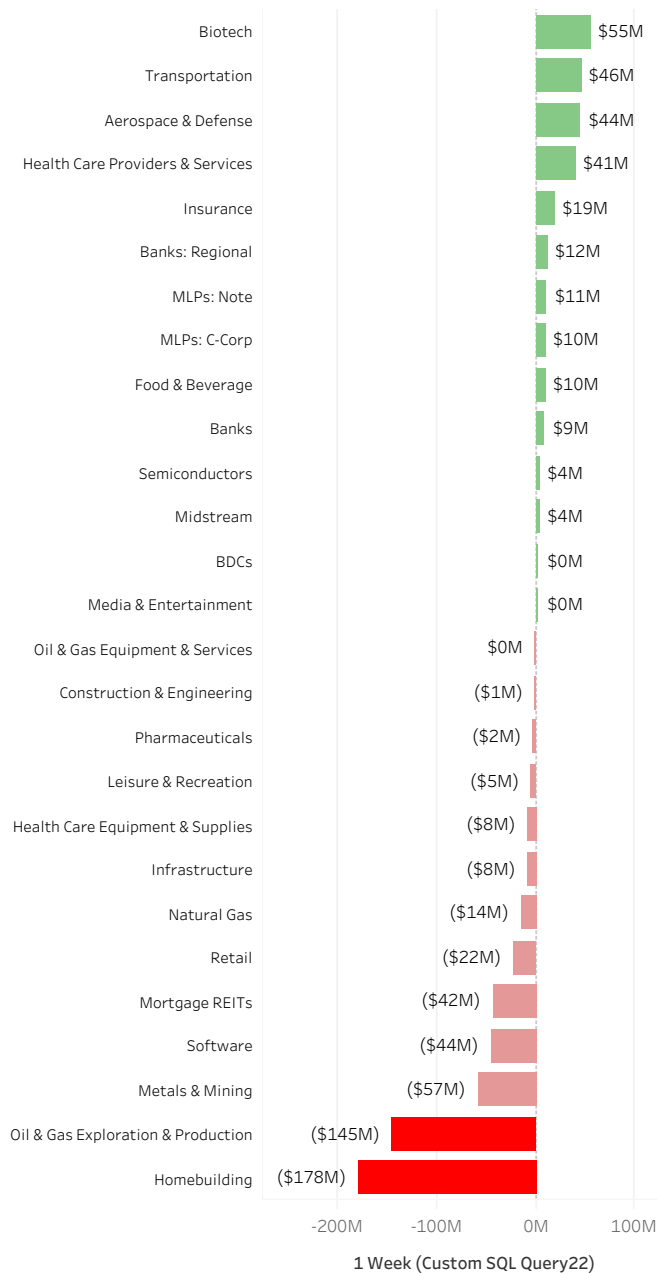
Ticker	Fund	1 Day Performance
PXI	Invesco DWA Energy Momentum ETF	-2.12%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-1.84%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-1.82%
FCG	First Trust Natural Gas ETF	-1.79%
IEZ	iShares U.S. Oil Equipment & Services ETF	-1.66%
PSCE	Invesco S&P SmallCap Energy ETF	-1.56%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-1.53%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.27%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-1.21%
FTXN	First Trust Nasdaq Oil & Gas ETF	-1.19%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	34.31
PSI	Invesco Dynamic Semiconductors ETF	36.28
SOXQ	Invesco PHLX Semiconductor ETF	36.39
KBWY	Invesco KBW Premium Yield Equity REIT ETF	36.44
PSCT	Invesco S&P SmallCap Information Technology ETF	36.84
PSCI	Invesco S&P SmallCap Industrials ETF	36.97
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	37.11
SOXX	iShares Semiconductor ETF	37.20
IYW	iShares U.S. Technology ETF	37.48
XLK	Technology Select Sector SPDR Fund	37.58

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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	8	\$13B	\$50M	\$244M	(\$186M)	(\$1,206M)
Consumer Discretionary	13	\$23B	(\$152M)	(\$1,122M)	(\$3,335M)	(\$4,688M)
Consumer Staples	11	\$27B	(\$141M)	\$828M	\$2,342M	\$5,931M
Energy	34	\$74B	(\$334M)	(\$5,199M)	(\$5,924M)	\$2,058M
Financials	27	\$59B	(\$1,008M)	(\$815M)	(\$12,088M)	(\$7,134M)
Health Care	24	\$88B	(\$150M)	\$1,408M	\$7,108M	\$10,887M
Industrial	14	\$28B	(\$130M)	(\$1,023M)	(\$2,995M)	(\$3,916M)
Materials	10	\$13B	(\$116M)	(\$2,710M)	(\$1,265M)	(\$1,196M)
Multi-Sector	19	\$13B	(\$247M)	(\$1,848M)	(\$4,109M)	(\$4,666M)
Real Estate	25	\$66B	(\$276M)	(\$2,299M)	(\$3,637M)	(\$782M)
Technology	24	\$109B	(\$178M)	\$12M	\$1,214M	\$2,139M
Utilities	10	\$28B	\$23M	\$1,391M	\$4,807M	\$4,951M

U.S. Sector & Industry Flow Leaders

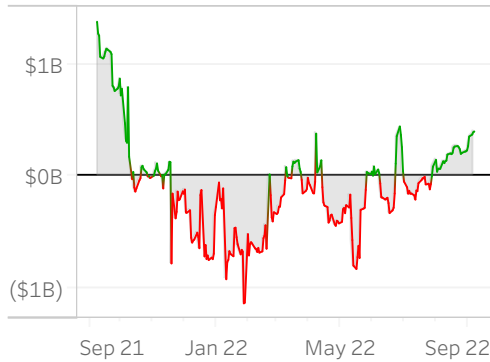
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$105M	\$176M	\$971M	\$2,831M	\$7,232M
XLRE	Real Estate Select Sector SPDR Fund	\$73M	\$73M	\$424M	\$1,542M	\$5,232M
XLC	Communication Services Select Sector SPDR Fu..	\$56M	\$399M	\$89M	(\$800M)	\$9,427M
KBWP	Invesco KBW Property & Casualty Insurance ETF	\$49M	\$133M	\$189M	\$182M	\$256M
IYT	iShares US Transportation ETF	\$46M	(\$226M)	(\$634M)	(\$641M)	\$845M
IHF	iShares U.S. Healthcare Providers ETF	\$41M	(\$25M)	\$340M	\$368M	\$1,544M
VPU	Vanguard Utilities ETF	\$37M	\$75M	\$51M	\$512M	\$6,095M
PPA	Invesco Aerospace & Defense ETF	\$27M	\$123M	\$407M	\$805M	\$1,391M
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	\$18M	(\$133M)	(\$217M)	(\$265M)	\$1,020M
ITA	iShares U.S. Aerospace & Defense ETF	\$15M	\$116M	\$911M	\$1,097M	\$3,720M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$997M)	\$377M	(\$6,406M)	(\$3,354M)	\$31,971M
IYR	iShares U.S. Real Estate ETF	(\$277M)	(\$540M)	(\$1,260M)	(\$2,849M)	\$3,903M
XLI	Industrial Select Sector SPDR Fund	(\$218M)	(\$654M)	(\$2,239M)	(\$3,544M)	\$12,856M
XLE	Energy Select Sector SPDR Fund	(\$217M)	(\$2,791M)	(\$3,468M)	(\$538M)	\$36,510M
XLP	Consumer Staples Select Sector SPDR Fund	(\$173M)	\$138M	(\$190M)	\$2,321M	\$15,221M
XLV	Health Care Select Sector SPDR Fund	(\$163M)	\$349M	\$5,357M	\$7,323M	\$37,659M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$140M)	(\$364M)	(\$1,342M)	(\$615M)	\$4,522M
XHB	SPDR S&P Homebuilders ETF	(\$130M)	(\$193M)	(\$828M)	(\$497M)	\$879M
XLK	Technology Select Sector SPDR Fund	(\$115M)	\$538M	\$694M	\$2,119M	\$39,775M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$110M)	(\$896M)	(\$1,437M)	(\$1,087M)	\$15,254M

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Communication Services



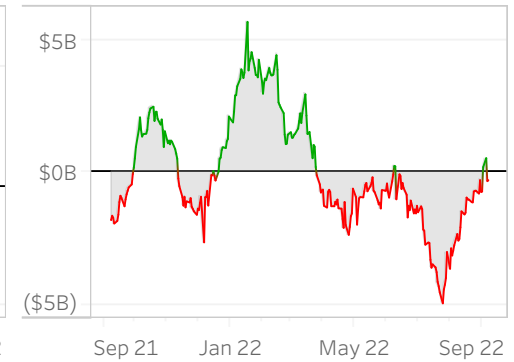
Consumer Discretionary



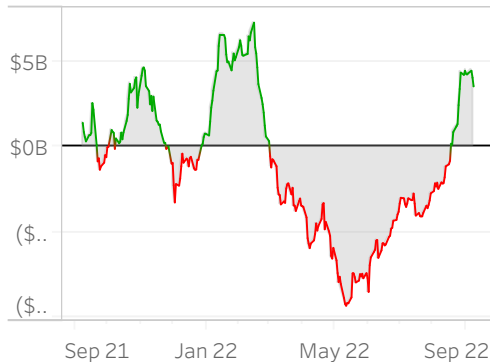
Consumer Staples



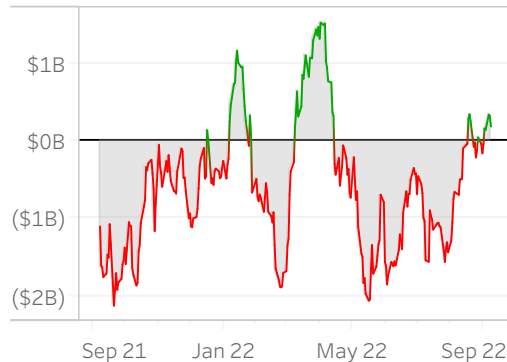
Energy



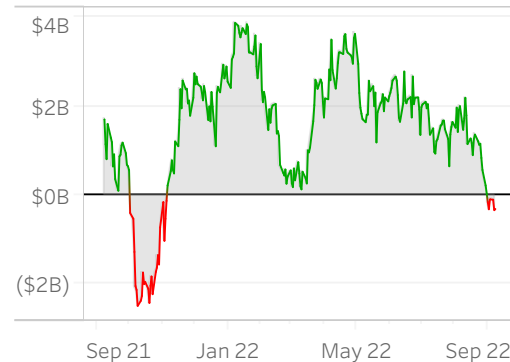
Financials



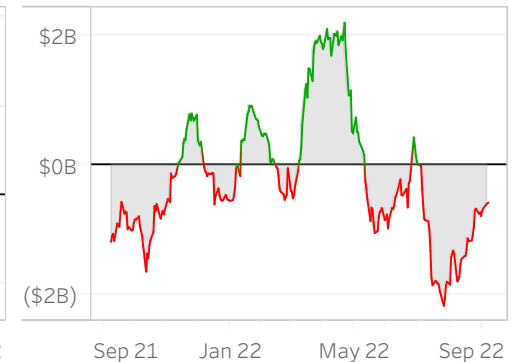
Industrial



Health Care



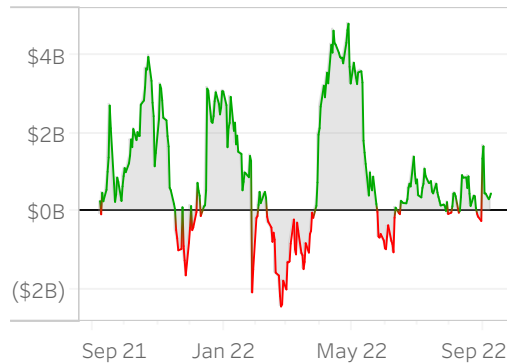
Materials



Real Estate



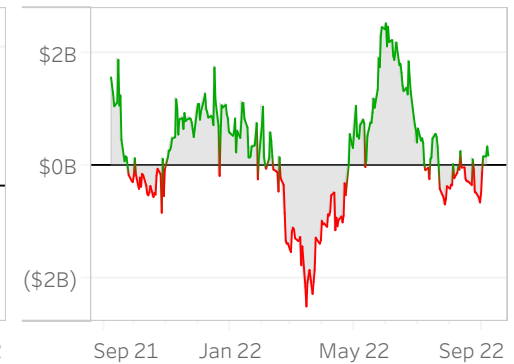
Technology



Utilities

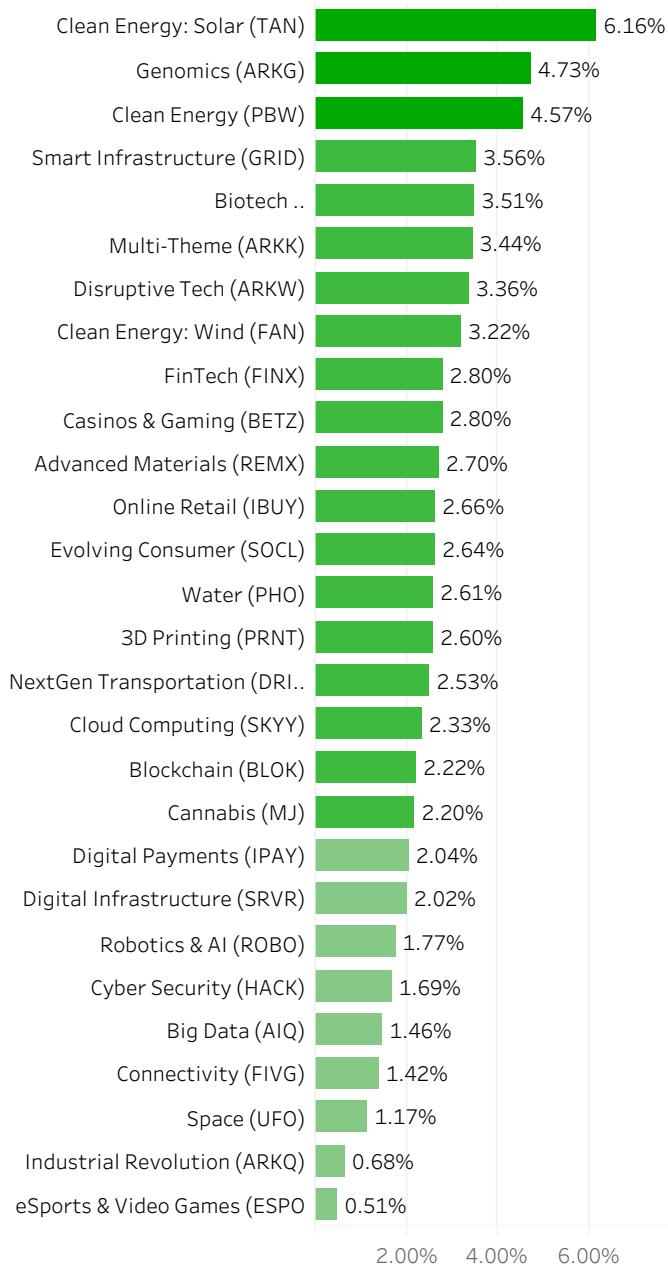


Multi-Sector

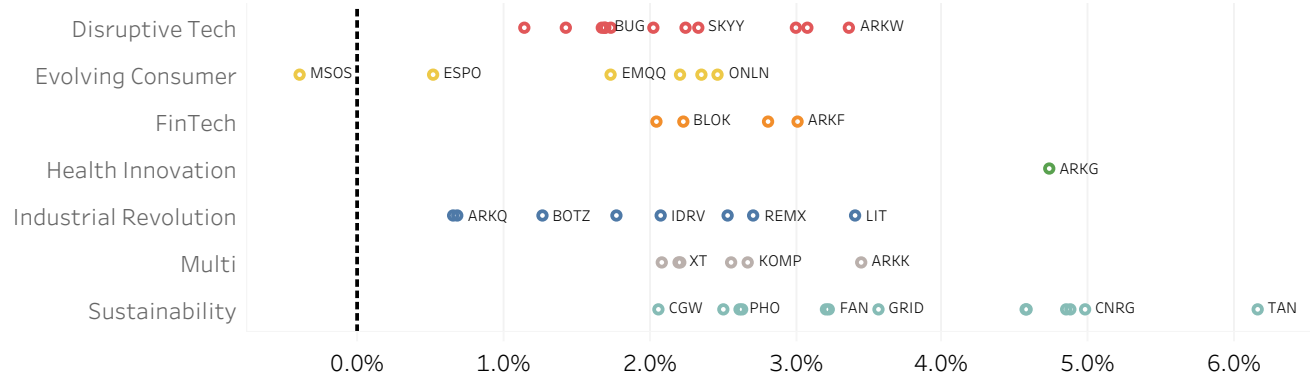


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
TAN	Invesco Solar ETF	6.16%
CTEC	Global X CleanTech ETF	5.18%
CNRG	SPDR S&P Kensho Clean Power ETF	4.98%
ACES	ALPS Clean Energy ETF	4.87%
ICLN	iShares Global Clean Energy ETF	4.85%
ARKG	ARK Genomic Revolution ETF	4.73%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	4.57%
PBW	Invesco WilderHill Clean Energy ETF	4.57%
GNOM	Global X Genomics & Biotechnology ETF	4.42%
SMOG	VanEck Low Carbon Energy ETF	4.14%

Thematic Most Overbought

Ticker	Fund	Price
TAN	Invesco Solar ETF	59.34
CNRG	SPDR S&P Kensho Clean Power ETF	59.22
ACES	ALPS Clean Energy ETF	58.98
ICLN	iShares Global Clean Energy ETF	57.59
EVX	VanEck Environmental Services ETF	56.90
CTEC	Global X CleanTech ETF	55.76
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	55.58
REMX	VanEck Rare Earth/Strategic Metals ETF	52.89
PBW	Invesco WilderHill Clean Energy ETF	50.73
BTEC	Principal Healthcare Innovators ETF	49.72

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-0.40%
MJUS	ETFMG U.S. Alternative Harvest ETF	-0.40%
HERO	Global X Video Games & Esports ETF	0.20%
ESPO	VanEck Video Gaming and eSports ETF	0.51%
YOLO	AdvisorShares Pure Cannabis ETF	0.56%
GAMR	Wedbush ETFMG Video Game Tech ETF	0.63%
ARKX	ARK Space Exploration & Innovation ETF	0.65%
ARKQ	ARK Autonomous Technology & Robotics ETF	0.68%
IZRL	ARK Israel Innovative Technology ETF	0.75%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	1.06%

Thematic Most Oversold

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	28.14
GAMR	Wedbush ETFMG Video Game Tech ETF	29.19
ESPO	VanEck Video Gaming and eSports ETF	31.10
PAWZ	ProShares Pet Care ETF	31.18
HERO	Global X Video Games & Esports ETF	31.43
NXTG	First Trust Indxx NextG ETF	32.78
BOTZ	Global X Robotics & Artificial Intelligence ETF	33.69
KLDW	Knowledge Leaders Developed World ETF	34.29
ARKQ	ARK Autonomous Technology & Robotics ETF	35.06
QTUM	Defiance Quantum ETF	35.07

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ICLN	iShares Global Clean Energy ETF	\$17M
TARK	AXS 2X Innovation ETF	\$15M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$14M
BKCH	Global X Blockchain ETF	\$12M
WCLD	WisdomTree Cloud Computing Fund	\$11M
HERO	Global X Video Games & Esports ETF	\$8M
ACES	ALPS Clean Energy ETF	\$6M
POTX	Global X Cannabis ETF	\$6M
VPN	Global X Data Center REITs & Digital Infrastructure ETF	\$3M
ARKW	ARK Next Generation Internet ETF	\$3M

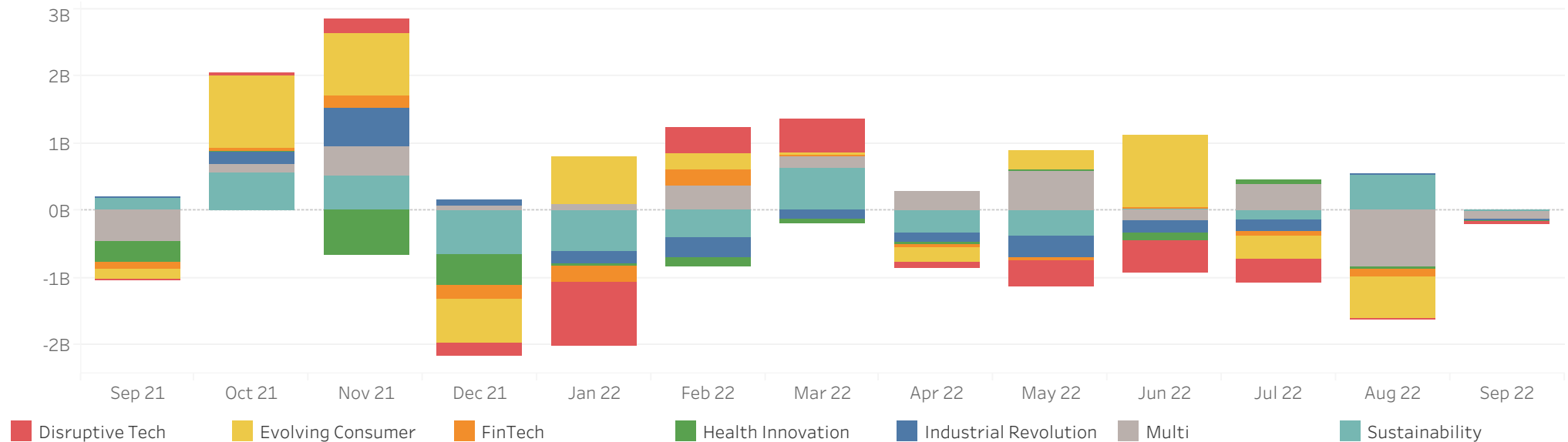
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
XT	iShares Exponential Technologies ETF	(\$49M)
ARKK	ARK Innovation ETF	(\$35M)
PBW	Invesco WilderHill Clean Energy ETF	(\$26M)
LIT	Global X Lithium & Battery Tech ETF	(\$25M)
HACK	ETFMG Prime Cyber Security ETF	(\$21M)
KWEB	KraneShares CSI China Internet ETF	(\$17M)
ERTH	Invesco MSCI Sustainable Future ETF	(\$17M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$13M)
ARKG	ARK Genomic Revolution ETF	(\$12M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$12M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$17B	(\$30M)	(\$657M)	(\$1,219M)	(\$1,388M)
Evolving Consumer	47	\$10B	(\$5M)	\$8M	\$566M	\$2,386M
FinTech	24	\$3B	(\$11M)	(\$188M)	(\$245M)	(\$382M)
Health Innovation	19	\$4B	(\$2M)	(\$99M)	(\$107M)	(\$1,763M)
Industrial Revolution	32	\$12B	(\$34M)	(\$360M)	(\$988M)	(\$564M)
Multi	41	\$14B	(\$81M)	(\$447M)	\$243M	\$1,002M
Sustainability	42	\$19B	(\$16M)	\$515M	\$114M	(\$120M)
Grand Total	240	\$80B	(\$179M)	(\$1,228M)	(\$1,635M)	(\$830M)

Thematic Monthly Flows

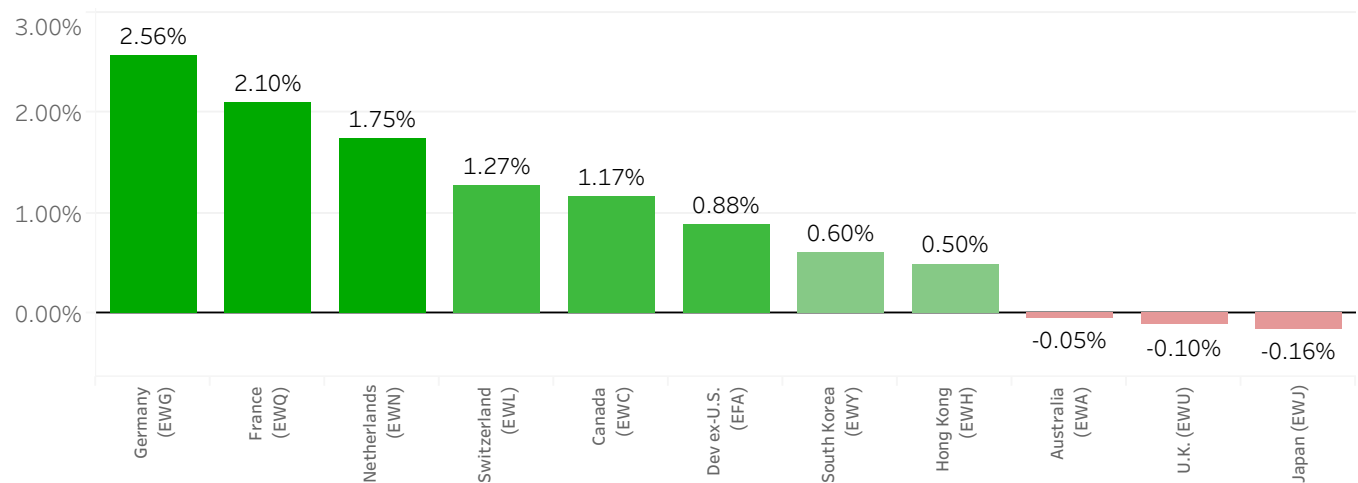


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



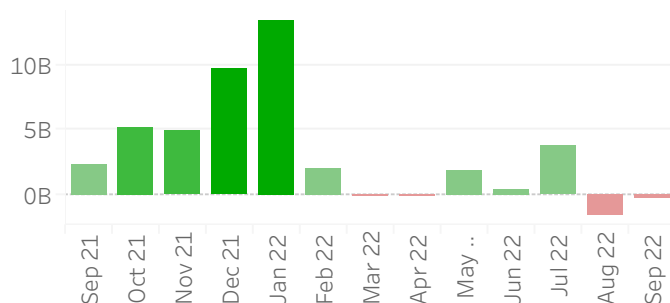
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWO	iShares MSCI Austria ETF	4.09%
CIL	VictoryShares International Volatility Wtd ETF	2.62%
EWG	iShares MSCI Germany ETF	2.56%
EWP	iShares MSCI Spain ETF	2.48%
FEZ	SPDR EURO STOXX 50 ETF	2.33%
EZU	iShares MSCI Eurozone ETF	2.14%
EWQ	iShares MSCI France ETF	2.10%
EDEN	iShares MSCI Denmark ETF	1.99%
EWI	iShares MSCI Italy ETF	1.93%
EWD	iShares MSCI Sweden ETF	1.91%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
PTIN	Pacer Trendpilot International ETF	57.60
DXJ	WisdomTree Japan Hedged Equity Fund	46.22
EWO	iShares MSCI Austria ETF	45.82
HEWJ	iShares Currency Hedged MSCI Japan ETF	44.74
EWG	iShares MSCI Germany ETF	44.56
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	44.49
ENZL	iShares MSCI New Zealand ETF	43.89
CIL	VictoryShares International Volatility Wtd ETF	43.59
EWI	iShares MSCI Italy ETF	42.22
ISRA	VanEck Israel ETF	42.20

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	-1.92%
IVAL	Alpha Architect International Quantitative Value ETF	-0.90%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.51%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.46%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.38%
GSID	Goldman Sachs MarketBeta International Equity ETF	-0.37%
FLJP	Franklin FTSE Japan ETF	-0.22%
EWJV	iShares MSCI Japan Value ETF	-0.18%
EWJ	iShares MSCI Japan ETF	-0.16%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.12%

Developed ex-U.S. Most Oversold

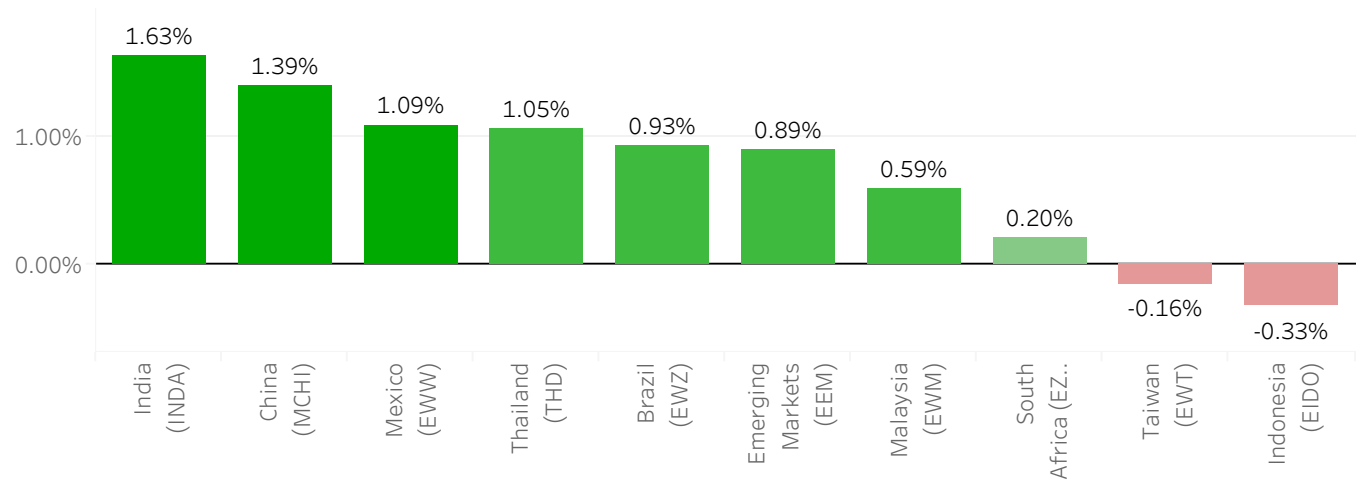
Ticker	Fund	Price
QLVD	FlexShares Developed Markets ex-US Quality Low V..	21.78
FLJP	Franklin FTSE Japan ETF	26.20
EWJ	iShares MSCI Japan ETF	26.44
BBJP	JPMorgan BetaBuilders Japan ETF	26.54
DFJ	WisdomTree Japan SmallCap Dividend Fund	26.62
SCJ	iShares MSCI Japan Small-Cap ETF	27.29
EWJV	iShares MSCI Japan Value ETF	28.08
IPAC	iShares Core MSCI Pacific ETF	28.32
GSID	Goldman Sachs MarketBeta International Equity ETF	28.69
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	28.85

*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



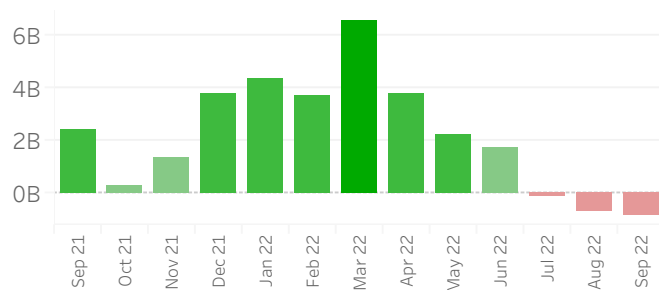
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPOL	iShares MSCI Poland ETF	4.15%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	2.43%
PGJ	Invesco Golden Dragon China ETF	2.28%
SMIN	iShares MSCI India Small Cap ETF	2.25%
FNI	First Trust Chindia ETF	2.22%
PIN	Invesco India ETF	2.05%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.81%
FLIN	Franklin FTSE India ETF	1.69%
EPI	WisdomTree India Earnings Fund	1.66%
INDY	iShares India 50 ETF	1.65%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	78.98
SMIN	iShares MSCI India Small Cap ETF	68.37
EPI	WisdomTree India Earnings Fund	60.86
EIDO	iShares MSCI Indonesia ETF	60.49
FLIN	Franklin FTSE India ETF	60.36
PIN	Invesco India ETF	59.52
INDA	iShares MSCI India ETF	58.47
INDY	iShares India 50 ETF	57.80
NFTY	First Trust India NIFTY 50 Equal Weight ETF	57.77
ECH	iShares MSCI Chile ETF	56.45

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	-1.30%
ECH	iShares MSCI Chile ETF	-1.12%
KSA	iShares MSCI Saudi Arabia ETF	-1.01%
EIDO	iShares MSCI Indonesia ETF	-0.33%
EWT	iShares MSCI Taiwan ETF	-0.16%
EYLD	Cambria Emerging Shareholder Yield ETF	-0.02%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.00%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	0.18%
EZA	iShares MSCI South Africa ETF	0.20%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.20%

Emerging Most Oversold

Ticker	Fund	Price
EDIV	SPDR S&P Emerging Markets Dividend ETF	29.12
EWT	iShares MSCI Taiwan ETF	32.35
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	32.36
EELV	Invesco S&P Emerging Markets Low Volatility ETF	33.29
QAT	iShares MSCI Qatar ETF	34.55
KSA	iShares MSCI Saudi Arabia ETF	35.15
NUEM	Nuveen ESG Emerging Markets Equity ETF	35.45
EPOL	iShares MSCI Poland ETF	35.92
LDEM	iShares ESG MSCI EM Leaders ETF	36.51
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	36.99

*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	0.69%	-2.33%	-11.03%
SHY	1-3 Year Treasury Bonds	0.15%	-0.14%	-3.31%
IEF	7-10 Year Treasury Bonds	0.65%	-3.23%	-12.08%
TLT	20+ Year Treasury Bonds	1.58%	-6.05%	-25.31%
TIP	TIPS Bonds	0.41%	-1.79%	-8.34%
FLOT	Floating Rate Bonds	0.08%	0.67%	-0.04%
LQD	Investment Grade Corporate	1.37%	-3.84%	-16.68%
HYG	High Yield Corporate	1.44%	-3.19%	-10.75%
BKLN	Senior Loan	0.38%	-1.37%	-3.23%
PFF	Preferred & Income Securities	1.01%	-5.28%	-13.70%
MUB	Municipal Bonds	0.30%	-2.22%	-8.31%
MBB	MBS	0.60%	-2.42%	-9.50%
EMB	Dollar Denominated EM Bonds	1.52%	-2.91%	-19.09%
LEMB	Local Currency EM Bond	1.01%	-0.41%	-13.44%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.55%	-1.64%	19.20%
DBE	Energy	-3.99%	-0.93%	37.88%
USO	WTI Crude Oil	-5.32%	-5.48%	24.39%
BNO	Brent Crude Oil	-5.11%	-6.17%	32.33%
UNG	Natural Gas	-2.84%	-2.03%	116.25%
UGA	Gasoline	-4.70%	-12.20%	22.80%
DBP	Precious Metals	1.43%	-4.24%	-10.45%
GLD	Gold	1.02%	-3.24%	-6.45%
SLV	Silver	2.78%	-7.26%	-20.97%
PPLT	abrdn Physical Platin..	1.72%	-7.03%	-10.39%
PALL	abrdn Physical Palla..	2.59%	-4.31%	7.35%
DBB	Base Metals	-1.02%	-6.20%	-17.12%
CPER	Copper	-0.62%	-3.99%	-23.89%
LD	Lead	1.48%	-9.87%	-18.63%
JJN	Nickel	0.82%	-2.07%	5.71%
JJU	Aluminum	-0.89%	-7.23%	-20.28%
JJT	Tin	-1.69%	-14.34%	-45.16%
DBA	Agriculture	-0.64%	1.65%	2.78%
CORN	Corn	-0.92%	8.71%	24.56%
SOYB	Soybeans	-0.95%	-0.68%	14.81%
WEAT	Wheat	2.38%	5.27%	16.24%
CANE	Sugar	0.79%	0.23%	-3.37%
BAL	Cotton	-1.61%	5.97%	9.27%
NIB	Cocoa	-0.97%	0.04%	-15.00%
JO	Coffee	-2.35%	9.22%	1.43%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.71%	2.95%	14.48%
UDN	Short Dollar	0.77%	-2.93%	-13.24%
FXE	Euro	1.09%	-1.72%	-12.59%
FXB	British Pound Sterling	0.22%	-4.39%	-14.77%
FXF	Swiss Franc	0.85%	-1.60%	-7.32%
FXJ	Japanese Yen	-0.70%	-6.12%	-20.20%
FXC	Canadian Dollar	0.29%	-1.32%	-3.74%
FXA	Australian Dollar	0.57%	-2.09%	-7.03%

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