

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

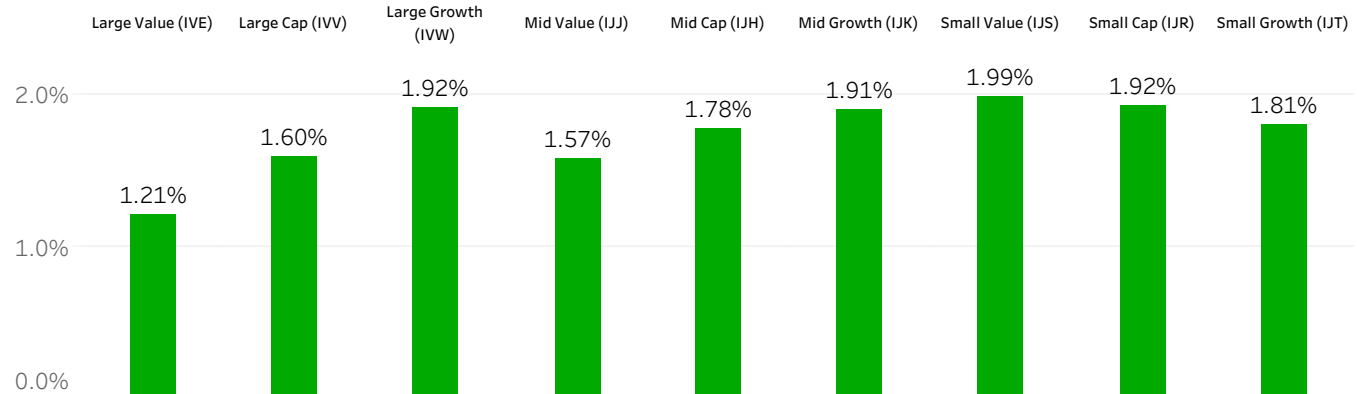


Small Cap Blend (S&P 600) IJR



■ 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	Performance
IPO	Renaissance IPO ETF	4.39%
AIEQ	AI Powered Equity ETF	3.16%
BUZZ	VanEck Social Sentiment ETF	3.06%
MMLG	First Trust Multi-Manager Large Growth ETF	2.85%
QVAL	Alpha Architect U.S. Quantitative Value ETF	2.82%
LCG	Sterling Capital Focus Equity ETF	2.68%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	2.50%
WINN	Harbor Long-Term Growers ETF	2.48%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	2.38%
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	2.35%

Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	67.58
FCTR	First Trust Lunt U.S. Factor Rotation ETF	62.60
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	59.98
PWV	Invesco Dynamic Large Cap Value ETF	57.52
EQRR	ProShares Equities for Rising Rates ETF	56.93
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	56.93
JAVA	JPMorgan Active Value ETF	56.78
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	56.31
AVLV	Avantis U.S. Large Cap Value ETF	56.30
IMCV	iShares Morningstar Mid-Cap ETF	56.30

Size & Style 1-Day Performance Laggards

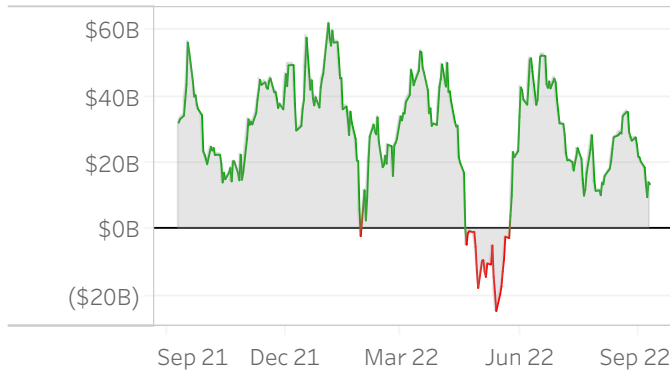
Ticker	Fund	Performance
LSAT	Leadershires Alphafactor Tactical Focused ETF	-0.15%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.12%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.05%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.05%
PTLC	Pacer Trendpilot US Large Cap ETF	0.08%
EQRR	ProShares Equities for Rising Rates ETF	0.16%
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	0.27%
TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	0.31%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.42%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	0.55%

Size & Style Most Oversold

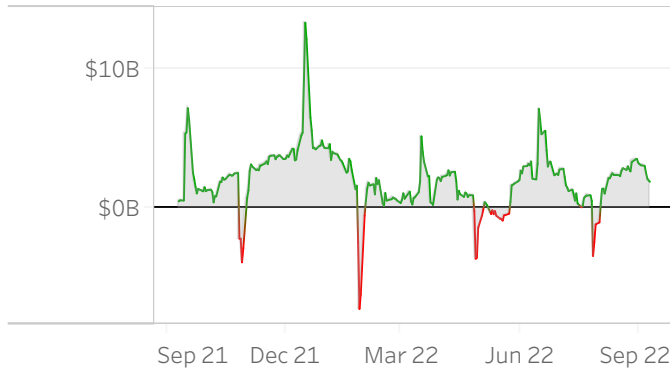
Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	18.70
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	32.17
CSB	VictoryShares US Small Cap High Dividend Volatility ..	40.30
SIXS	ETC 6 Meridian Small Cap Equity ETF	40.76
RZV	Invesco S&P Smallcap 600 Pure Value ETF	42.49
XSVM	Invesco S&P SmallCap Value with Momentum ETF	42.56
XSLV	Invesco S&P SmallCap Low Volatility ETF	42.74
RPHS	Regents Park Hedged Market Strategy ETF	43.32
CALF	Pacer US Small Cap Cash Cows 100 ETF	43.36
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	43.75

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

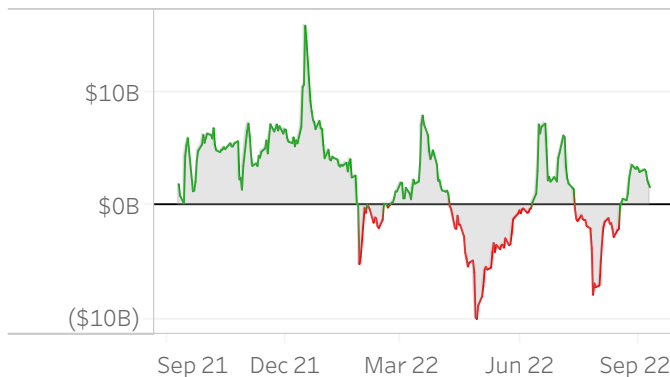
Large-Cap 30-Day Rolling Flows



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	\$1,222B	\$0.10B	\$17.41B	\$31.01B	\$106.18B
Large Cap, Beta Growth, Beta: Growth	10	\$227B	(\$1.20B)	\$5.93B	\$12.68B	\$15.20B
Large Cap, Beta Growth, Beta: Value	11	\$215B	(\$0.62B)	\$0.48B	\$4.45B	\$24.50B
Mid Cap, Beta, Beta	10	\$177B	\$0.06B	\$1.81B	\$5.12B	\$13.27B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.00B	\$0.83B	\$1.10B	\$1.20B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.39B)	\$0.45B	(\$0.14B)	\$1.30B
Small Cap, Beta, Beta	13	\$188B	\$0.15B	\$0.86B	(\$4.71B)	\$7.20B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.42B)	(\$0.12B)	\$0.33B	\$1.23B
Small Cap, Beta, Beta: Value	7	\$49B	(\$0.48B)	(\$1.41B)	(\$4.09B)	(\$2.43B)

U.S. Size & Style Flow Leaders

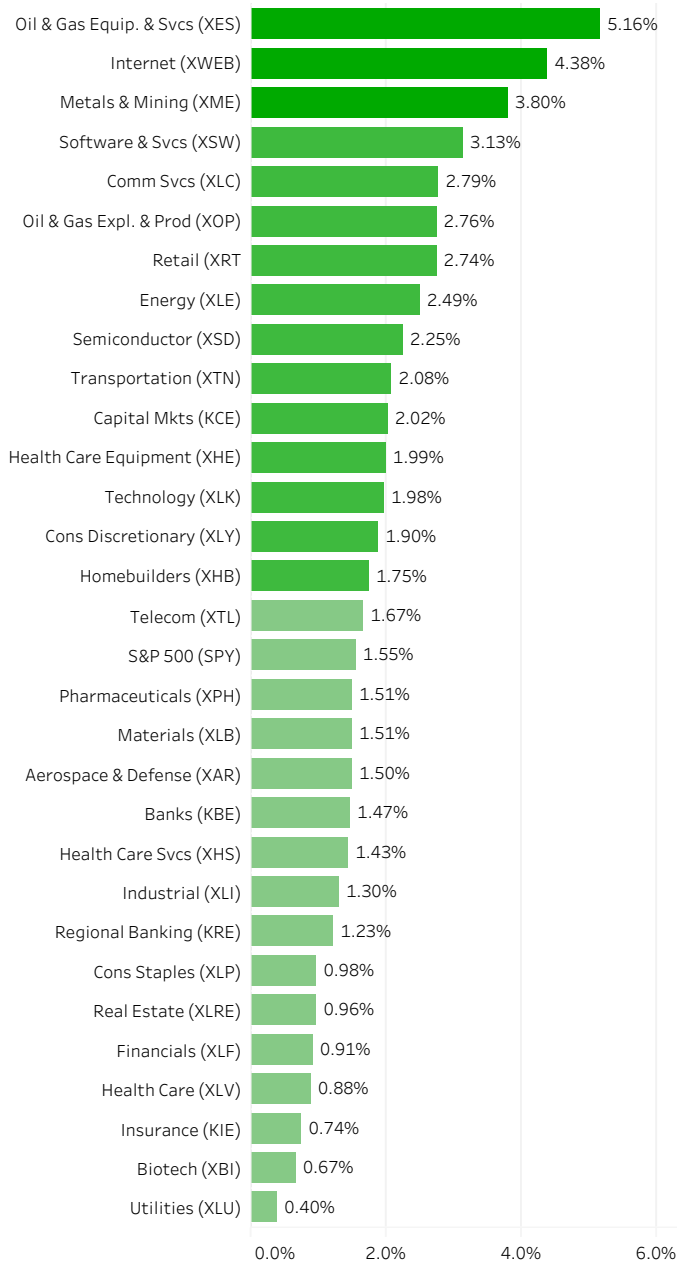
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$0.74B	\$10.11B	\$12.38B	\$43.77B	\$268.45B
IVV	iShares Core S&P 500 ETF	\$0.56B	\$1.39B	\$8.88B	\$30.58B	\$300.40B
VTI	Vanguard Total Stock Market ETF	\$0.47B	\$6.32B	\$10.91B	\$32.56B	\$265.39B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.41B	\$2.03B	\$2.33B	\$1.81B	\$28.75B
SDY	SPDR S&P Dividend ETF	\$0.26B	\$0.89B	\$2.05B	\$2.47B	\$22.45B
SPY	SPDR S&P 500 ETF Trust	\$0.18B	\$2.82B	(\$0.44B)	\$6.23B	\$363.21B
SCHD	Schwab US Dividend Equity ETF	\$0.17B	\$3.16B	\$5.14B	\$11.77B	\$37.85B
IWM	iShares Russell 2000 ETF	\$0.13B	(\$1.33B)	(\$3.94B)	(\$2.48B)	\$52.95B
VO	Vanguard Mid-Cap ETF	\$0.12B	\$0.85B	\$2.22B	\$5.87B	\$51.15B
VTV	Vanguard Value ETF	\$0.12B	\$1.74B	\$5.28B	\$17.73B	\$99.56B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.46B)	(\$0.51B)	\$4.32B	\$11.88B	\$163.79B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$1.01B)	\$1.15B	\$1.95B	\$1.67B	\$13.62B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.43B)	(\$1.37B)	(\$1.27B)	(\$1.06B)	\$6.79B
IJT	iShares S&P Small-Cap 600 Growth ETF	(\$0.40B)	\$0.22B	\$0.16B	(\$0.09B)	\$5.18B
IVE	iShares S&P 500 Value ETF	(\$0.39B)	(\$0.30B)	\$0.57B	\$2.21B	\$23.87B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.38B)	\$0.01B	\$0.02B	(\$0.97B)	\$7.28B
MGV	Vanguard Mega Cap Value ETF	(\$0.26B)	(\$0.05B)	\$0.57B	\$1.03B	\$5.41B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.17B)	(\$1.34B)	(\$1.00B)	(\$2.04B)	\$18.85B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.16B)	(\$0.99B)	(\$3.03B)	(\$6.68B)	\$8.36B
IWF	iShares Russell 1000 Growth ETF	(\$0.15B)	\$0.40B	\$1.31B	(\$0.20B)	\$61.58B

* 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	-0.46%	21.74%	5.20%	8.32%	63.03
XLP	Consumer Staples Select Sector SPDR Fund	-8.18%	7.53%	-0.23%	-1.25%	48.75
XLV	Health Care Select Sector SPDR Fund	-8.63%	8.85%	0.42%	-1.01%	55.42
XLI	Industrial Select Sector SPDR Fund	-11.04%	11.45%	2.10%	-2.09%	52.65
XLE	Energy Select Sector SPDR Fund	-12.66%	59.54%	6.47%	10.31%	55.55
XLB	Materials Select Sector SPDR Fund	-13.84%	10.07%	2.32%	-5.69%	54.63
SPY	SPDR S&P 500 ETF Trust	-14.89%	11.14%	1.03%	-4.32%	52.21
XLRE	Real Estate Select Sector SPDR Fund	-16.93%	10.79%	0.48%	-5.21%	51.30
XLF	Financial Select Sector SPDR Fund	-17.04%	11.78%	3.07%	-4.90%	57.22
XLY	Consumer Discretionary Select Sector SPDR Fund	-22.20%	22.17%	4.50%	-3.30%	57.70
XLK	Technology Select Sector SPDR Fund	-22.33%	11.10%	-1.46%	-7.40%	45.83
XLC	Communication Services Select Sector SPDR Fund	-32.54%	4.79%	-1.12%	-13.35%	49.98

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	5.16%
IEZ	iShares U.S. Oil Equipment & Services ETF	4.66%
PSCE	Invesco S&P SmallCap Energy ETF	4.63%
XME	SPDR S&P Metals & Mining ETF	3.80%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	3.47%
PXI	Invesco DWA Energy Momentum ETF	3.36%
PNQI	Invesco NASDAQ Internet ETF	3.23%
XSW	SPDR S&P Software & Services ETF	3.13%
FXZ	First Trust Materials AlphaDEX Fund	2.92%
FCOM	Fidelity MSCI Communication Services Index ETF	2.90%

Sector & Industry Most Overbought

Ticker	Fund	Technical
RYU	Invesco S&P 500 Equal Weight Utilities ETF	64.15
UTES	Virtus Reaves Utilities ETF	63.83
IDU	iShares U.S. Utilities ETF	63.64
XLU	Utilities Select Sector SPDR Fund	63.03
VPU	Vanguard Utilities ETF	62.34
FUTY	Fidelity MSCI Utilities Index ETF	62.21
PTH	Invesco DWA Healthcare Momentum ETF	61.86
FXU	First Trust Utilities AlphaDEX Fund	61.66
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	61.01
PUI	Invesco DWA Utilities Momentum ETF	60.41

Sector & Industry 1 Day Performance Laggards

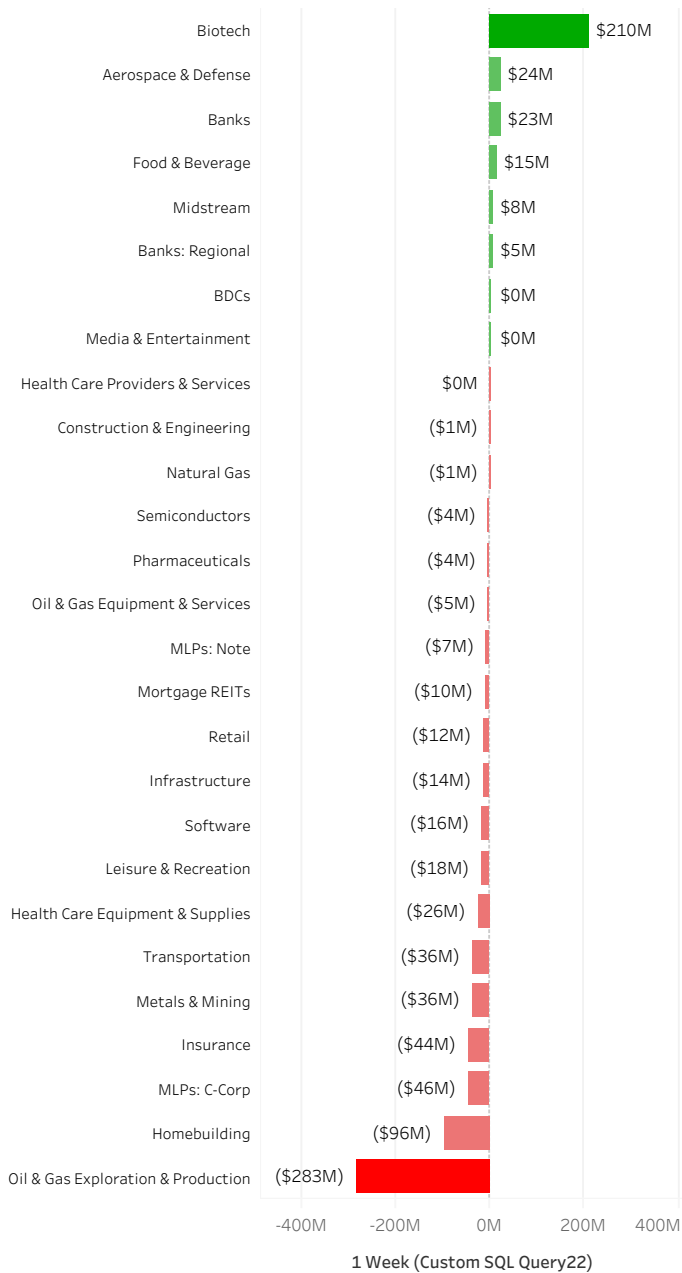
Ticker	Fund	1 Day Performance
KBWP	Invesco KBW Property & Casualty Insurance ETF	0.06%
IDU	iShares U.S. Utilities ETF	0.35%
VPU	Vanguard Utilities ETF	0.38%
FUTY	Fidelity MSCI Utilities Index ETF	0.38%
XLU	Utilities Select Sector SPDR Fund	0.40%
IHF	iShares U.S. Healthcare Providers ETF	0.44%
IAK	iShares U.S. Insurance ETF	0.50%
PUI	Invesco DWA Utilities Momentum ETF	0.51%
UTES	Virtus Reaves Utilities ETF	0.55%
FXU	First Trust Utilities AlphaDEX Fund	0.56%

Sector & Industry Most Oversold

Ticker	Fund	Technical
KBWY	Invesco KBW Premium Yield Equity REIT ETF	42.15
NETL	NETLease Corporate Real Estate ETF	42.25
IYZ	iShares U.S. Telecommunications ETF	44.33
PSCI	Invesco S&P SmallCap Industrials ETF	44.45
PSCT	Invesco S&P SmallCap Information Technology ETF	44.51
PSI	Invesco Dynamic Semiconductors ETF	45.23
XLK	Technology Select Sector SPDR Fund	45.83
PSCC	Invesco S&P SmallCap Consumer Staples ETF	46.09
SOXQ	Invesco PHLX Semiconductor ETF	46.38
SOXX	iShares Semiconductor ETF	46.45

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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	(\$232M)	\$48M	(\$421M)	(\$1,522M)
Consumer Discretionary	13	\$24B	\$233M	(\$802M)	(\$2,673M)	(\$4,504M)
Consumer Staples	11	\$28B	\$145M	\$1,232M	\$3,092M	\$6,310M
Energy	34	\$74B	(\$908M)	(\$5,029M)	(\$6,983M)	\$2,077M
Financials	27	\$61B	(\$955M)	(\$461M)	(\$11,776M)	(\$6,751M)
Health Care	24	\$92B	(\$14M)	\$1,413M	\$6,879M	\$10,885M
Industrial	14	\$28B	(\$329M)	(\$1,293M)	(\$3,061M)	(\$4,039M)
Materials	10	\$14B	(\$164M)	(\$2,769M)	(\$1,863M)	(\$1,212M)
Multi-Sector	19	\$14B	(\$131M)	(\$1,820M)	(\$3,779M)	(\$4,561M)
Real Estate	25	\$67B	(\$299M)	(\$2,730M)	(\$3,441M)	(\$971M)
Technology	24	\$112B	(\$226M)	(\$329M)	\$1,231M	\$2,030M
Utilities	10	\$29B	\$10M	\$1,285M	\$4,745M	\$5,193M

U.S. Sector & Industry Flow Leaders

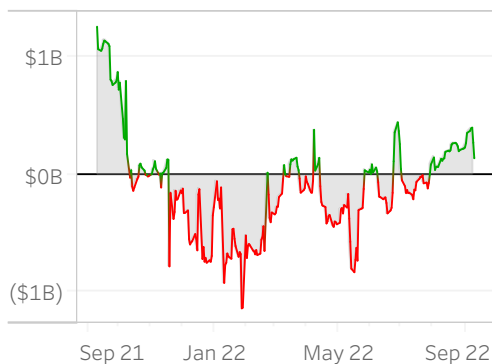
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$273M	(\$615M)	(\$585M)	(\$874M)	\$16,184M
XBI	SPDR S&P BIOTECH ETF	\$232M	\$236M	\$979M	\$3,329M	\$7,988M
XLP	Consumer Staples Select Sector SPDR Fund	\$87M	\$501M	\$452M	\$2,669M	\$15,780M
XLRE	Real Estate Select Sector SPDR Fund	\$48M	\$103M	\$492M	\$1,568M	\$5,358M
XLK	Technology Select Sector SPDR Fund	\$47M	\$445M	\$1,297M	\$2,242M	\$40,586M
IYH	iShares U.S. Healthcare ETF	\$41M	\$335M	\$391M	\$306M	\$3,152M
VPU	Vanguard Utilities ETF	\$33M	\$72M	\$29M	\$525M	\$6,288M
VDC	Vanguard Consumer Staples ETF	\$28M	\$352M	\$246M	\$789M	\$6,783M
IDU	iShares U.S. Utilities ETF	\$23M	(\$3M)	\$101M	\$133M	\$1,098M
IYK	iShares U.S. Consumer Staples ETF	\$20M	\$251M	\$677M	\$851M	\$1,579M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$925M)	\$579M	(\$6,405M)	(\$3,164M)	\$33,036M
XLE	Energy Select Sector SPDR Fund	(\$593M)	(\$2,270M)	(\$2,696M)	(\$470M)	\$36,323M
IYR	iShares U.S. Real Estate ETF	(\$287M)	(\$815M)	(\$988M)	(\$2,943M)	\$3,929M
XLI	Industrial Select Sector SPDR Fund	(\$284M)	(\$843M)	(\$2,003M)	(\$3,610M)	\$12,933M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$278M)	(\$541M)	(\$2,157M)	(\$638M)	\$4,309M
XLC	Communication Services Select Sector SPDR Fu..	(\$231M)	\$196M	(\$105M)	(\$1,105M)	\$9,310M
XLV	Health Care Select Sector SPDR Fund	(\$202M)	\$240M	\$5,098M	\$6,770M	\$38,875M
IGM	iShares Expanded Tech Sector ETF	(\$188M)	(\$300M)	(\$112M)	\$673M	\$3,400M
XLB	Materials Select Sector SPDR Fund	(\$106M)	(\$1,241M)	(\$899M)	(\$1,636M)	\$5,549M
XHB	SPDR S&P Homebuilders ETF	(\$76M)	(\$128M)	(\$383M)	(\$438M)	\$921M

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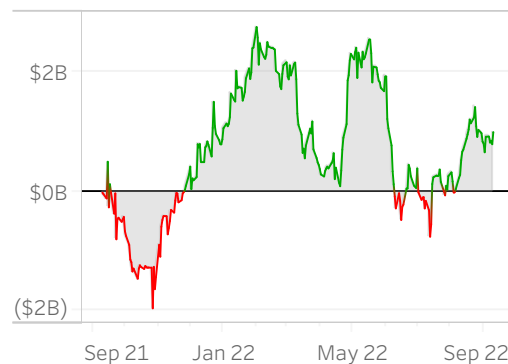
Communication Services



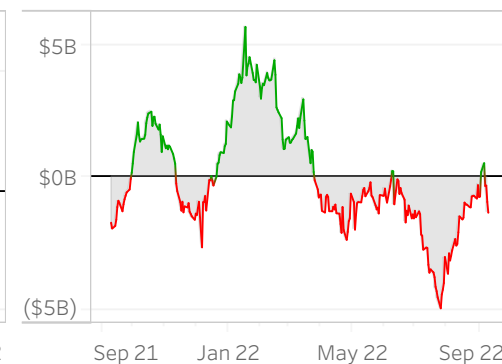
Consumer Discretionary



Consumer Staples



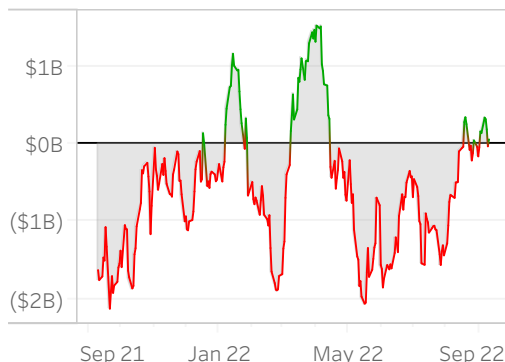
Energy



Financials



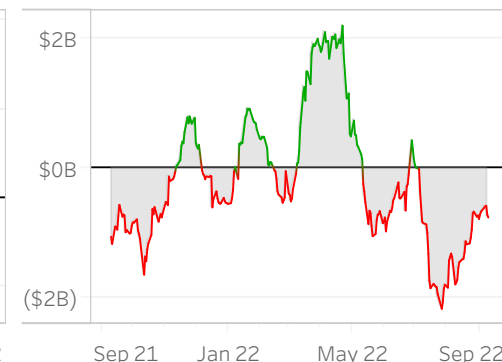
Industrial



Health Care



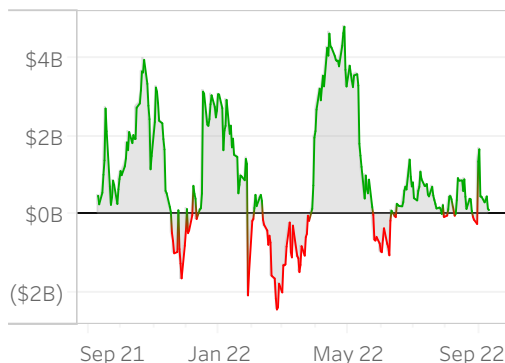
Materials



Real Estate



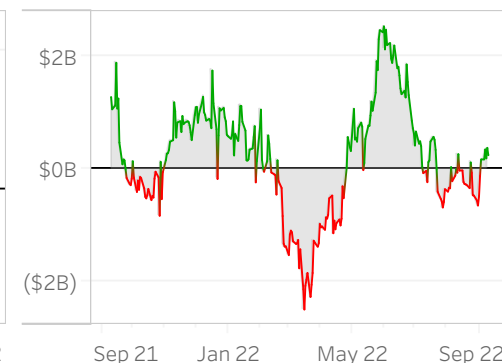
Technology



Utilities

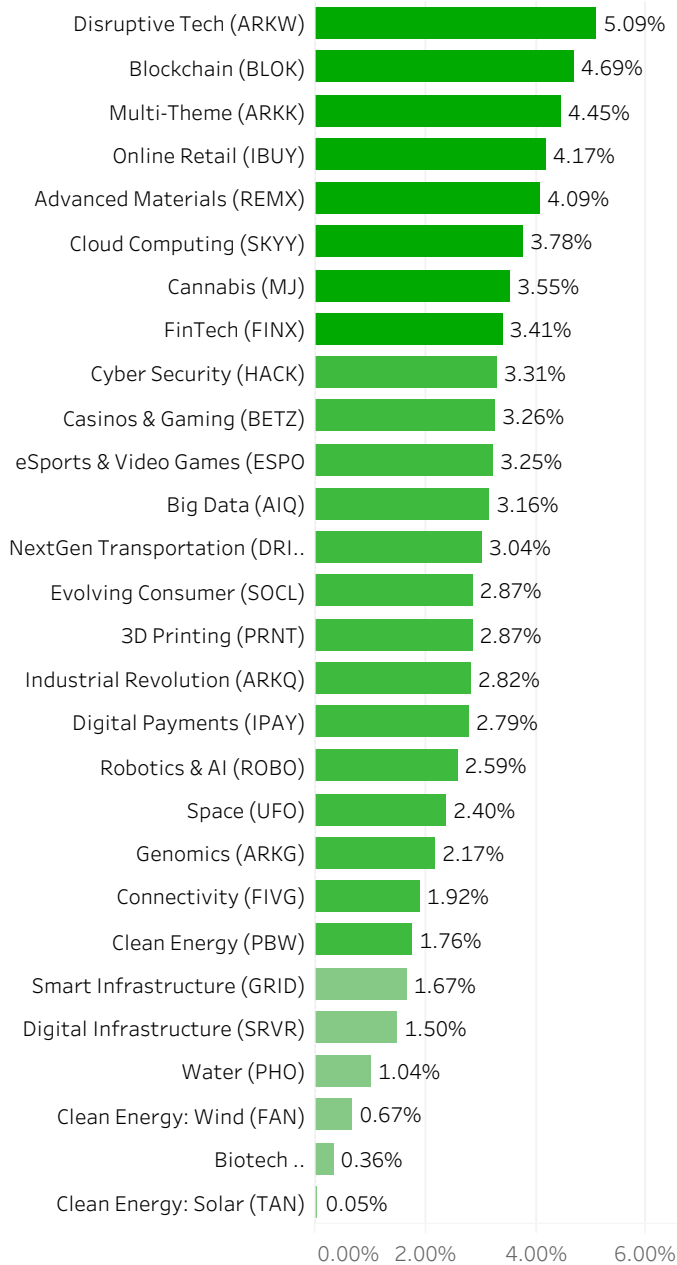


Multi-Sector

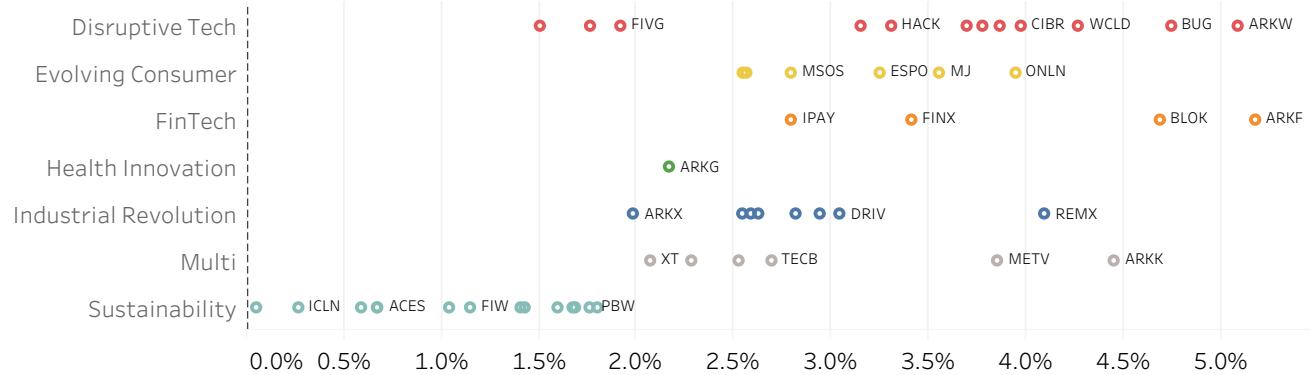


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BKCH	Global X Blockchain ETF	7.88%
BITQ	Bitwise Crypto Industry Innovators ETF	7.25%
POTX	Global X Cannabis ETF	5.53%
ARKF	ARK Fintech Innovation ETF	5.18%
ARKW	ARK Next Generation Internet ETF	5.09%
BUG	Global X Cybersecurity ETF	4.75%
BLOK	Amplify Transformational Data Sharing ETF	4.69%
ARKK	ARK Innovation ETF	4.45%
WCLD	WisdomTree Cloud Computing Fund	4.27%
IBUY	Amplify Online Retail ETF	4.17%

Thematic Most Overbought

Ticker	Fund	Price
REMX	VanEck Rare Earth/Strategic Metals ETF	63.21
ACES	ALPS Clean Energy ETF	63.21
EVX	VanEck Environmental Services ETF	62.41
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	60.60
CNRG	SPDR S&P Kensho Clean Power ETF	60.19
TAN	Invesco Solar ETF	60.03
ICLN	iShares Global Clean Energy ETF	59.52
CTEC	Global X CleanTech ETF	58.42
BTEC	Principal Healthcare Innovators ETF	57.58
EDOC	Global X Telemedicine & Digital Health ETF Registered	56.67

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KSTR	KraneShares SSE STAR Market 50 Index ETF	-0.85%
TAN	Invesco Solar ETF	0.05%
ICLN	iShares Global Clean Energy ETF	0.26%
SBIO	ALPS Medical Breakthroughs ETF	0.36%
CNRG	SPDR S&P Kensho Clean Power ETF	0.58%
FAN	First Trust Global Wind Energy ETF	0.67%
ACES	ALPS Clean Energy ETF	0.67%
BTEC	Principal Healthcare Innovators ETF	0.96%
CTEC	Global X CleanTech ETF	1.00%
PHO	Invesco Water Resources ETF	1.04%

Thematic Most Oversold

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	32.39
KSTR	KraneShares SSE STAR Market 50 Index ETF	35.04
PAWZ	ProShares Pet Care ETF	41.76
GAMR	Wedbush ETFMG Video Game Tech ETF	42.68
NXTG	First Trust Indxx NextG ETF	42.81
ESPO	VanEck Video Gaming and eSports ETF	43.08
VPN	Global X Data Center REITs & Digital Infrastructure ETF	44.05
YOLO	AdvisorShares Pure Cannabis ETF	44.77
HERO	Global X Video Games & Esports ETF	44.89
QTUM	Defiance Quantum ETF	44.91

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$85M
SKYY	First Trust Cloud Computing ETF	\$30M
ARKW	ARK Next Generation Internet ETF	\$16M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$13M
ARKF	ARK Fintech Innovation ETF	\$7M
CLOU	Global X Cloud Computing ETF	\$4M
FIW	First Trust Water ETF	\$4M
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	\$3M
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	\$3M
MJ	ETFMG Alternative Harvest ETF	\$2M

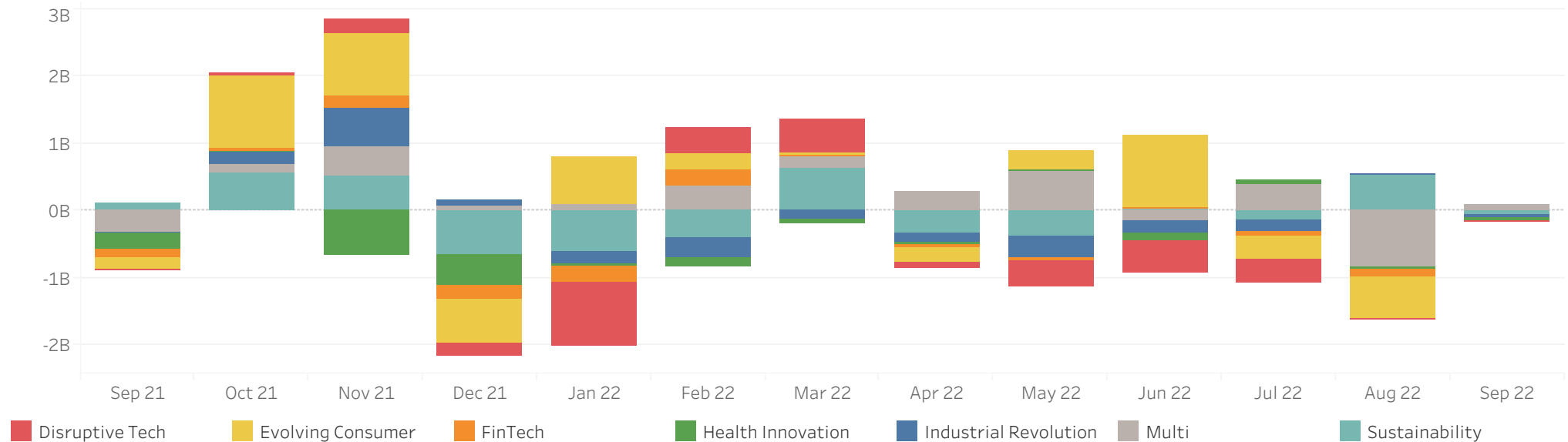
Thematic 1 Week Flow Laggards

Ticker	Fund	
PBW	Invesco WilderHill Clean Energy ETF	(\$37M)
LIT	Global X Lithium & Battery Tech ETF	(\$25M)
ICLN	iShares Global Clean Energy ETF	(\$16M)
XT	iShares Exponential Technologies ETF	(\$14M)
ARKG	ARK Genomic Revolution ETF	(\$14M)
HACK	ETFMG Prime Cyber Security ETF	(\$14M)
BLOK	Amplify Transformational Data Sharing ETF	(\$12M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$12M)
KWEB	KraneShares CSI China Internet ETF	(\$11M)
AWAY	ETFMG Travel Tech ETF	(\$9M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	\$4M	(\$588M)	(\$1,188M)	(\$1,346M)
Evolving Consumer	47	\$10B	(\$12M)	(\$393M)	\$650M	\$2,336M
FinTech	24	\$3B	(\$8M)	(\$204M)	(\$252M)	(\$379M)
Health Innovation	19	\$4B	(\$16M)	(\$135M)	(\$94M)	(\$1,744M)
Industrial Revolution	32	\$12B	(\$41M)	(\$356M)	(\$952M)	(\$628M)
Multi	41	\$15B	\$71M	(\$300M)	\$109M	\$1,327M
Sustainability	42	\$20B	(\$56M)	\$428M	(\$296M)	(\$204M)
Grand Total	240	\$83B	(\$58M)	(\$1,549M)	(\$2,024M)	(\$639M)

Thematic Monthly Flows

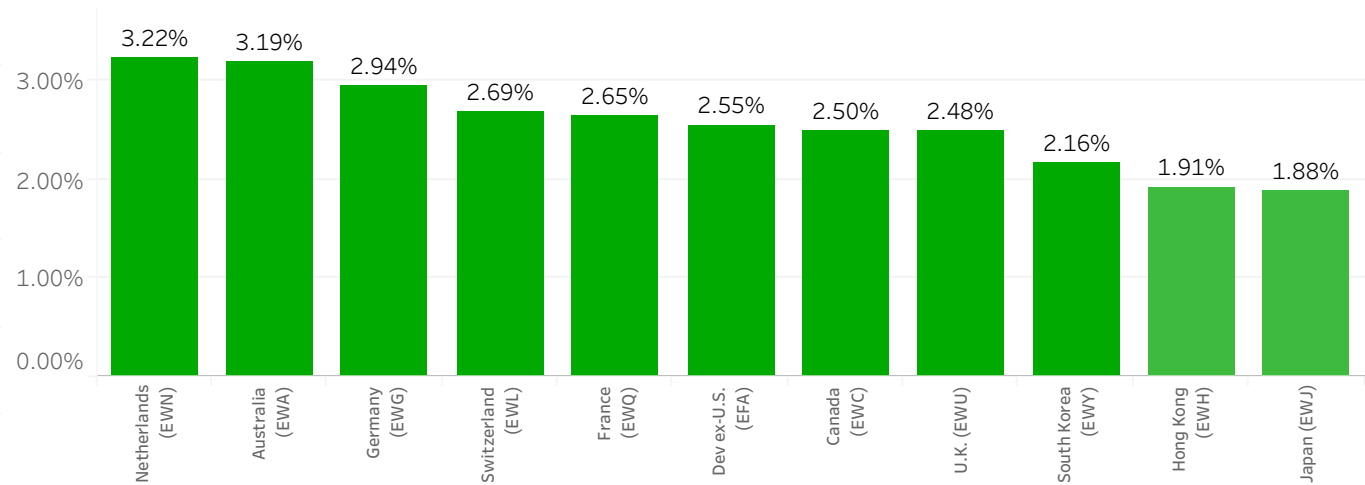


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



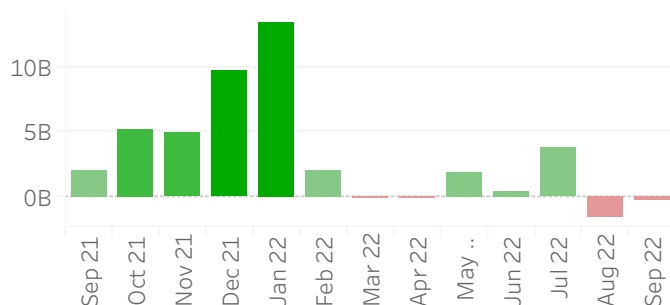
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	3.59%
GREK	Global X MSCI Greece ETF	3.42%
EWD	iShares MSCI Sweden ETF	3.29%
IQDG	WisdomTree International Quality Dividend Growth Fund	3.27%
EWN	iShares MSCI Netherlands ETF	3.22%
EWA	iShares MSCI Australia ETF	3.19%
FDD	First Trust Stoxx European Select Dividend Index Fund	3.19%
DFE	WisdomTree Europe SmallCap Dividend Fund	3.15%
IEUS	iShares MSCI Europe Small-Cap ETF	3.11%
IVAL	Alpha Architect International Quantitative Value ETF	3.04%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	60.04
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	59.32
HEWJ	iShares Currency Hedged MSCI Japan ETF	58.65
ENZL	iShares MSCI New Zealand ETF	54.50
BBCA	JPMorgan BetaBuilders Canada ETF	54.25
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	54.16
FLCA	Franklin FTSE Canada ETF	54.01
EWA	iShares MSCI Australia ETF	53.56
EWC	iShares MSCI Canada ETF	53.55
PTIN	Pacer Trendpilot International ETF	53.49

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
PTIN	Pacer Trendpilot International ETF	0.14%
DXJ	WisdomTree Japan Hedged Equity Fund	0.79%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.87%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.06%
LVHI	Franklin International Low Volatility High Dividend Index ..	1.41%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.51%
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	1.65%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	1.72%
HEFA	iShares Currency Hedged MSCI EAFE ETF	1.73%
BBJP	JPMorgan BetaBuilders Japan ETF	1.77%

Developed ex-U.S. Most Oversold

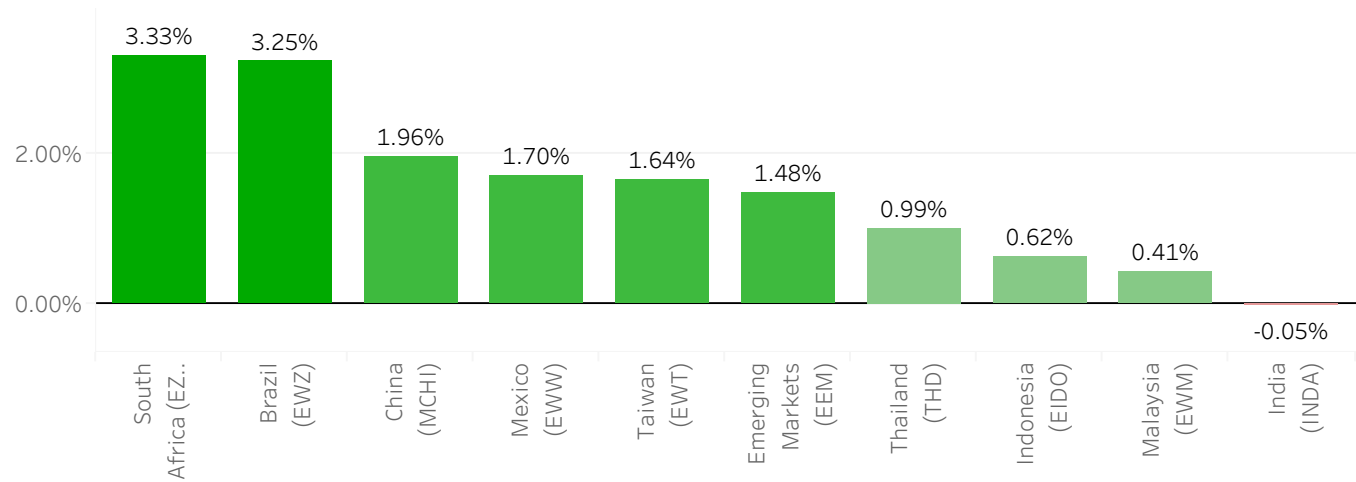
Ticker	Fund	Value
EWY	iShares MSCI South Korea ETF	39.56
QLVD	FlexShares Developed Markets ex-US Quality Low V..	41.84
AIA	iShares Asia 50 ETF	42.12
EWH	iShares MSCI Hong Kong ETF	42.22
NORW	Global X MSCI Norway ETF	42.49
BBJP	JPMorgan BetaBuilders Japan ETF	42.79
ICOW	Pacer Developed Markets International Cash Cows 1..	42.91
EFVAV	iShares MSCI EAFE Min Vol Factor ETF	42.94
EWJ	iShares MSCI Japan ETF	43.13
FLJP	Franklin FTSE Japan ETF	43.18

*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



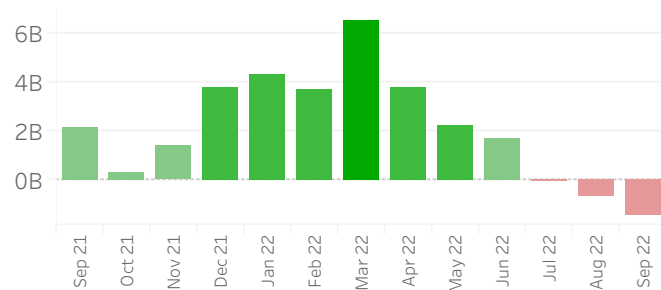
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPOL	iShares MSCI Poland ETF	4.91%
EZA	iShares MSCI South Africa ETF	3.33%
EWZ	iShares MSCI Brazil ETF	3.25%
FLBR	Franklin FTSE Brazil ETF	3.16%
PGJ	Invesco Golden Dragon China ETF	3.14%
EPU	iShares MSCI Peru ETF	3.08%
TUR	iShares MSCI Turkey ETF	3.04%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.88%
ILF	iShares Latin America 40 ETF	2.75%
FLLA	Franklin FTSE Latin America ETF	2.51%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	82.39
SMIN	iShares MSCI India Small Cap ETF	68.46
EIDO	iShares MSCI Indonesia ETF	66.75
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	63.54
EYLD	Cambria Emerging Shareholder Yield ETF	62.51
EPI	WisdomTree India Earnings Fund	61.29
FLIN	Franklin FTSE India ETF	61.20
INDA	iShares MSCI India ETF	59.83
INDY	iShares India 50 ETF	59.82
ILF	iShares Latin America 40 ETF	58.60

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-1.24%
ECH	iShares MSCI Chile ETF	-1.15%
PIN	Invesco India ETF	-0.31%
EPI	WisdomTree India Earnings Fund	-0.18%
INDA	iShares MSCI India ETF	-0.05%
FLIN	Franklin FTSE India ETF	-0.04%
SMIN	iShares MSCI India Small Cap ETF	0.05%
INDY	iShares India 50 ETF	0.19%
KSA	iShares MSCI Saudi Arabia ETF	0.30%
EWM	iShares MSCI Malaysia ETF	0.41%

Emerging Most Oversold

Ticker	Fund	Value
KSA	iShares MSCI Saudi Arabia ETF	36.19
QAT	iShares MSCI Qatar ETF	40.48
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	40.88
RAYC	Rayliant Quantamental China Equity ETF	41.76
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	42.81
NUEM	Nuveen ESG Emerging Markets Equity ETF	43.08
EWT	iShares MSCI Taiwan ETF	43.26
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	43.31
ESGE	iShares ESG Aware MSCI EM ETF	43.32
CNYA	iShares MSCI China A ETF	43.55

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

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



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

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.01%	-2.88%	-11.32%
SHY	1-3 Year Treasury Bonds	-0.09%	-0.35%	-3.51%
IEF	7-10 Year Treasury Bonds	0.01%	-3.86%	-12.40%
TLT	20+ Year Treasury Bonds	0.22%	-7.93%	-25.91%
TIP	TIPS Bonds	0.05%	-2.68%	-8.81%
FLOT	Floating Rate Bonds	0.08%	0.73%	0.04%
LQD	Investment Grade Corporate	0.23%	-3.79%	-16.68%
HYG	High Yield Corporate	0.40%	-1.74%	-10.01%
BKLN	Senior Loan	0.57%	-0.76%	-2.49%
PFF	Preferred & Income Securities	0.94%	-4.06%	-13.28%
MUB	Municipal Bonds	0.24%	-2.19%	-8.23%
MBB	MBS	-0.16%	-3.27%	-10.00%
EMB	Dollar Denominated EM Bonds	0.61%	-2.08%	-18.57%
LEMB	Local Currency EM Bond	0.32%	-0.64%	-13.31%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	2.12%	0.23%	22.75%
DBE	Energy	3.38%	0.13%	43.27%
USO	WTI Crude Oil	4.42%	-3.20%	30.79%
BNO	Brent Crude Oil	4.48%	-3.22%	39.45%
UNG	Natural Gas	1.31%	3.45%	123.30%
UGA	Gasoline	4.40%	-11.62%	29.17%
DBP	Precious Metals	0.79%	-5.25%	-10.22%
GLD	Gold	0.53%	-4.41%	-6.52%
SLV	Silver	1.70%	-8.51%	-19.48%
PPLT	abrdn Physical Platin..	-0.13%	-5.81%	-9.14%
PALL	abrdn Physical Palla..	1.40%	-2.09%	14.30%
DBB	Base Metals	1.44%	-4.70%	-14.42%
CPER	Copper	0.19%	-1.52%	-21.46%
LD	Lead	1.76%	-14.48%	-17.70%
JJN	Nickel	5.20%	6.53%	12.08%
JJU	Aluminum	0.45%	-7.55%	-18.58%
JJT	Tin	0.08%	-12.16%	-43.58%
DBA	Agriculture	1.87%	2.53%	4.66%
CORN	Corn	1.91%	9.65%	26.56%
SOYB	Soybeans	1.87%	-0.34%	17.19%
WEAT	Wheat	3.89%	7.18%	19.22%
CANE	Sugar	1.59%	0.34%	-2.50%
BAL	Cotton	0.95%	5.80%	12.59%
NIB	Cocoa	2.44%	-1.03%	-14.16%
JO	Coffee	3.11%	10.65%	4.54%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.71%	2.67%	13.89%
UDN	Short Dollar	0.71%	-2.62%	-12.72%
FXE	Euro	0.44%	-1.64%	-12.31%
FXB	British Pound Sterling	0.81%	-3.90%	-14.33%
FXF	Swiss Franc	1.05%	-0.78%	-5.79%
FXJ	Japanese Yen	0.89%	-5.29%	-19.60%
FXC	Canadian Dollar	0.60%	-0.96%	-3.03%
FXA	Australian Dollar	1.41%	-1.60%	-5.96%

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