

### Large Cap Blend (S&P 500) IVV



### Mid Cap Blend (S&P 400) IJH

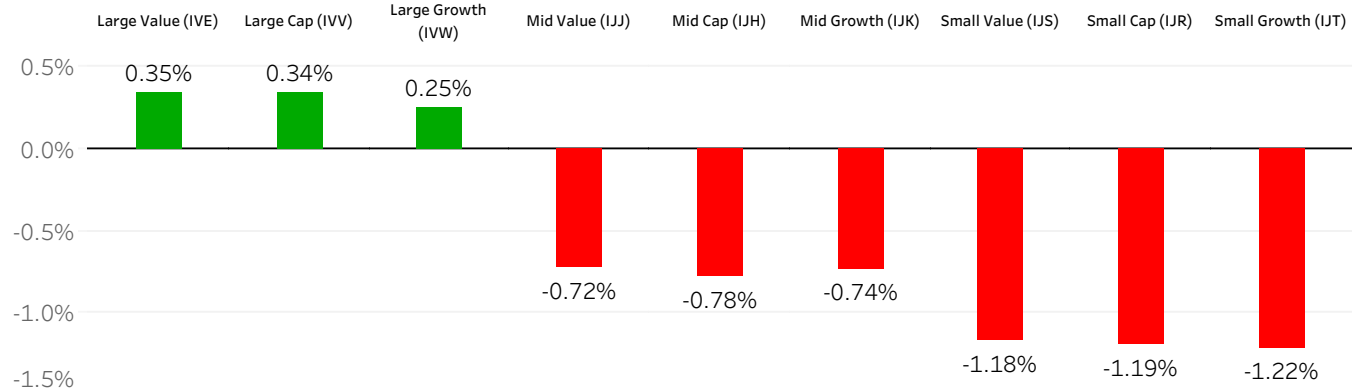


### Small Cap Blend (S&P 600) IJR



■ 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
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	1.44%
OUSA	ALPS O'Shares U.S. Quality Dividend ETF	1.10%
USMV	iShares MSCI USA Min Vol Factor ETF	0.98%
SPLV	Invesco S&P 500 Low Volatility ETF	0.90%
FTCS	First Trust Capital Strength ETF	0.89%
EQRR	ProShares Equities for Rising Rates ETF	0.82%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	0.75%
DGRW	WisdomTree US Quality Dividend Growth Fund	0.68%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	0.67%
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	0.65%

### Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	57.89
ONOF	Global X Adaptive U.S. Risk Management ETF	56.45
SPC	CrossingBridge Pre-Merger SPAC ETF	56.10
LSAT	Leadershares Alphafactor Tactical Focused ETF	51.22
EQRR	ProShares Equities for Rising Rates ETF	48.98
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	46.73
PWV	Invesco Dynamic Large Cap Value ETF	44.15
SPLV	Invesco S&P 500 Low Volatility ETF	43.47
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	42.92
MTUM	iShares MSCI USA Momentum Factor ETF	42.77

### Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FFTY	Innovator IBD 50 ETF	-3.11%
AIEQ	AI Powered Equity ETF	-2.97%
IPO	Renaissance IPO ETF	-2.87%
LCG	Sterling Capital Focus Equity ETF	-2.71%
DWAS	Invesco DWA SmallCap Momentum ETF	-2.31%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-1.88%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-1.71%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-1.67%
VTWG	Vanguard Russell 2000 Growth ETF	-1.58%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-1.49%

### Size & Style Most Oversold

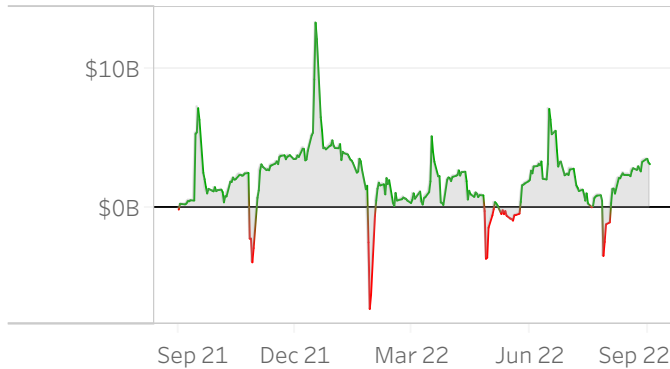
Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	19.01
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	29.79
QVML	Invesco S&P 500 QVM Multi-factor ETF	31.26
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity..	31.47
LGH	HCM Defender 500 Index ETF	31.75
QQH	HCM Defender 100 Index ETF	32.67
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	33.08
JSML	Janus Henderson Small Cap Growth Alpha ETF	33.09
XSLV	Invesco S&P SmallCap Low Volatility ETF	33.34
SIXS	ETC 6 Meridian Small Cap Equity ETF	33.38

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

### Large-Cap 30-Day Rolling Flows



### Mid-Cap 30-Day Rolling Flows



### Small-Cap 30-Day Rolling Flows



### U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	25	\$1,207B	(\$3.36B)	\$26.00B	\$34.59B	\$108.88B
Large Cap, Beta Growth, Beta: Growth	10	\$226B	(\$1.05B)	\$7.02B	\$14.45B	\$17.17B
Large Cap, Beta Growth, Beta: Value	11	\$212B	\$0.17B	\$1.24B	\$5.91B	\$24.97B
Mid Cap, Beta, Beta	10	\$174B	(\$0.28B)	\$2.06B	\$4.79B	\$13.48B
Mid Cap, Beta, Beta: Growth	6	\$32B	(\$0.01B)	\$0.81B	\$1.10B	\$1.29B
Mid Cap, Beta, Beta: Value	6	\$39B	\$0.09B	\$0.68B	\$0.19B	\$1.65B
Small Cap, Beta, Beta	13	\$188B	(\$0.99B)	\$0.42B	(\$2.35B)	\$6.81B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.04B)	\$0.34B	\$1.01B	\$1.88B
Small Cap, Beta, Beta: Value	7	\$49B	\$0.06B	(\$0.77B)	(\$3.50B)	(\$1.85B)

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

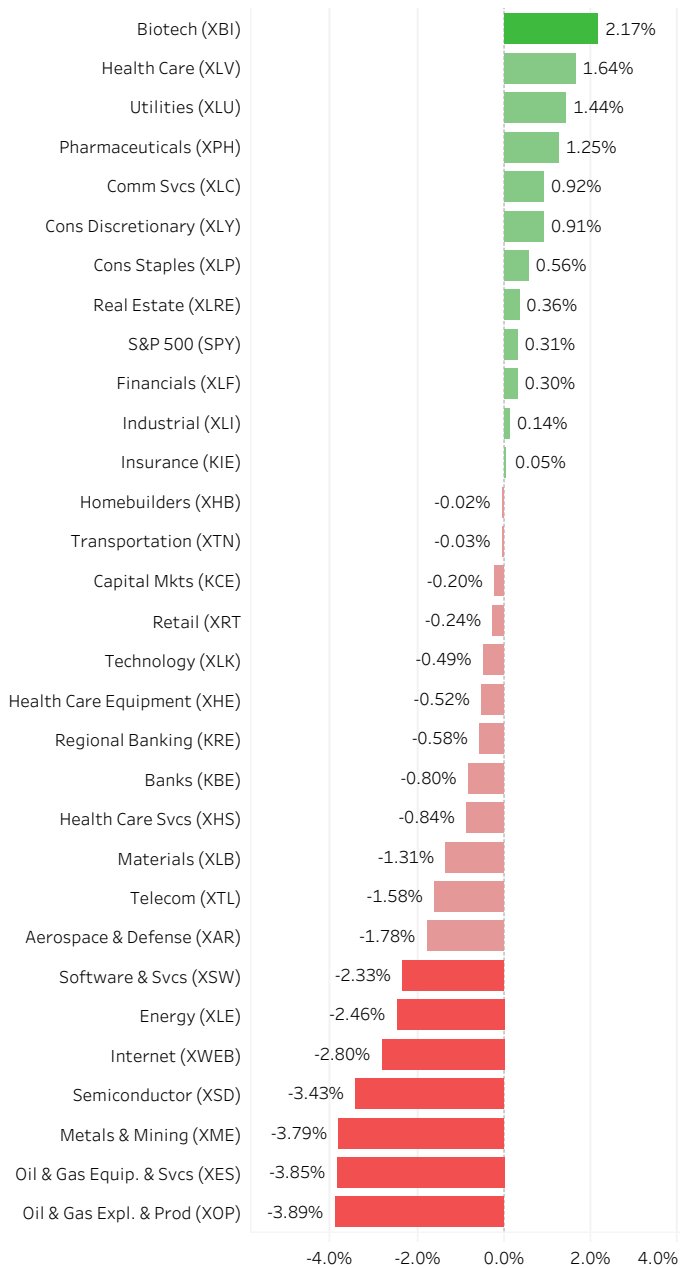
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$0.42B	\$6.89B	\$8.77B	\$31.16B	\$295.99B
VOO	Vanguard S&P 500 ETF	\$0.28B	\$14.13B	\$12.58B	\$43.15B	\$263.93B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.21B	(\$0.33B)	\$0.13B	\$0.14B	\$27.39B
SCHD	Schwab US Dividend Equity ETF	\$0.20B	\$3.25B	\$5.17B	\$11.73B	\$37.09B
VTV	Vanguard Value ETF	\$0.16B	\$1.95B	\$5.38B	\$17.53B	\$97.72B
VYM	Vanguard High Dividend Yield Index ETF	\$0.14B	\$2.80B	\$5.48B	\$8.81B	\$46.10B
COWZ	Pacer US Cash Cows 100 ETF	\$0.13B	\$1.63B	\$5.18B	\$6.95B	\$7.32B
IVE	iShares S&P 500 Value ETF	\$0.12B	(\$0.14B)	\$1.03B	\$2.59B	\$23.90B
SDY	SPDR S&P Dividend ETF	\$0.08B	\$0.80B	\$1.80B	\$2.21B	\$21.92B
HDV	iShares Core High Dividend ETF	\$0.07B	\$0.04B	\$4.27B	\$4.92B	\$12.22B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$3.60B)	(\$1.82B)	(\$0.27B)	\$8.45B	\$358.45B
IWM	iShares Russell 2000 ETF	(\$0.86B)	(\$1.76B)	(\$2.00B)	(\$3.25B)	\$52.47B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.61B)	(\$1.17B)	(\$0.74B)	(\$2.35B)	\$18.79B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.58B)	\$2.20B	\$2.95B	\$3.11B	\$14.49B
QQQ	Invesco QQQ Trust	(\$0.41B)	\$3.16B	\$7.85B	\$11.85B	\$164.64B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.26B)	\$0.90B	\$2.56B	\$3.00B	\$10.97B
IWF	iShares Russell 1000 Growth ETF	(\$0.23B)	\$0.16B	\$1.30B	(\$0.06B)	\$61.22B
VO	Vanguard Mid-Cap ETF	(\$0.16B)	\$0.88B	\$1.64B	\$5.86B	\$50.10B
IJR	iShares Core S&P Small Cap ETF	(\$0.16B)	\$2.86B	\$1.57B	\$6.16B	\$65.73B
IWD	iShares Russell 1000 Value ETF	(\$0.15B)	(\$0.91B)	(\$0.97B)	\$0.58B	\$51.51B

\* 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	-3.00%	18.64%	3.55%	5.98%	52.96
XLP	Consumer Staples Select Sector SPDR Fund	-8.75%	6.86%	-0.77%	-1.79%	40.60
XLV	Health Care Select Sector SPDR Fund	-11.22%	5.77%	-2.58%	-3.88%	40.49
XLI	Industrial Select Sector SPDR Fund	-13.13%	8.84%	0.41%	-4.64%	40.42
XLE	Energy Select Sector SPDR Fund	-14.91%	66.22%	4.79%	8.55%	49.83
SPY	SPDR S&P 500 ETF Trust	-17.02%	8.35%	-1.10%	-7.11%	38.49
XLB	Materials Select Sector SPDR Fund	-17.87%	4.92%	-2.35%	-10.41%	36.75
XLRE	Real Estate Select Sector SPDR Fund	-18.93%	8.11%	-1.74%	-7.84%	38.43
XLF	Financial Select Sector SPDR Fund	-19.97%	7.84%	-0.03%	-8.62%	42.06
XLK	Technology Select Sector SPDR Fund	-23.80%	9.00%	-2.97%	-9.77%	35.06
XLY	Consumer Discretionary Select Sector SPDR Fund	-25.77%	16.56%	1.02%	-8.46%	43.15
XLC	Communication Services Select Sector SPDR Fund	-34.78%	3.39%	-2.68%	-15.35%	41.52

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PJP	Invesco Dynamic Pharmaceuticals ETF	2.28%
FBT	First Trust NYSE Arca Biotechnology Index Fund	2.18%
XBI	SPDR S&P BIOTECH ETF	2.17%
IHE	iShares U.S. Pharmaceuticals ETF	1.73%
XLV	Health Care Select Sector SPDR Fund	1.64%
IYH	iShares U.S. Healthcare ETF	1.48%
PBE	Invesco Dynamic Biotechnology & Genome ETF	1.46%
IBB	iShares Biotechnology ETF	1.45%
XLU	Utilities Select Sector SPDR Fund	1.44%
VHT	Vanguard Health Care ETF	1.39%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
RYU	Invesco S&P 500 Equal Weight Utilities ETF	53.92
PTH	Invesco DWA Healthcare Momentum ETF	53.34
IDU	iShares U.S. Utilities ETF	53.10
XLU	Utilities Select Sector SPDR Fund	52.96
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	52.95
FUTY	Fidelity MSCI Utilities Index ETF	52.37
FXU	First Trust Utilities AlphaDEX Fund	52.31
VPU	Vanguard Utilities ETF	52.24
FCG	First Trust Natural Gas ETF	51.60
MLPA	Global X MLP ETF	51.30

### Sector & Industry 1 Day Performance Laggards

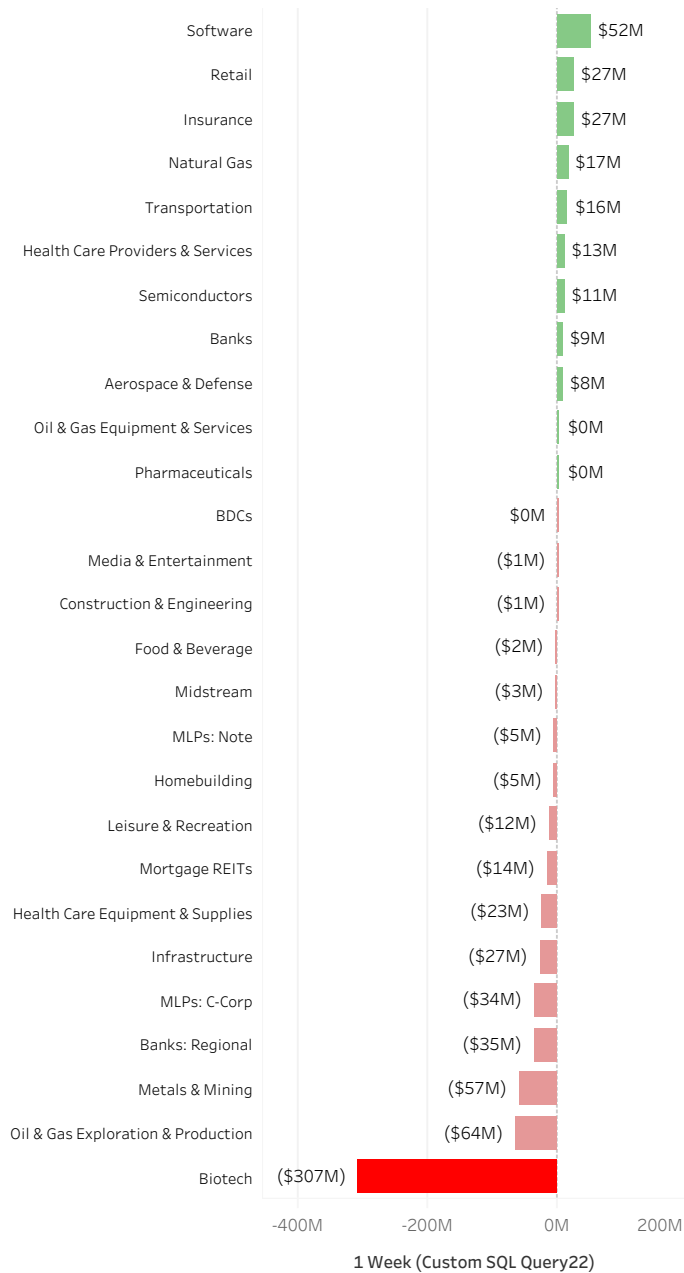
Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	-4.15%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-3.92%
PXI	Invesco DWA Energy Momentum ETF	-3.91%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-3.89%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-3.85%
XME	SPDR S&P Metals & Mining ETF	-3.79%
IEZ	iShares U.S. Oil Equipment & Services ETF	-3.65%
FTXN	First Trust Nasdaq Oil & Gas ETF	-3.44%
XSD	SPDR S&P Semiconductor ETF	-3.43%
FCG	First Trust Natural Gas ETF	-2.99%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWY	Invesco KBW Premium Yield Equity REIT ETF	29.52
NETL	NETlease Corporate Real Estate ETF	29.63
PPTY	US Diversified Real Estate ETF	32.31
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	33.59
REM	iShares Mortgage Real Estate ETF	34.03
MORT	VanEck Mortgage REIT Income ETF	34.08
VRAI	Virtus Real Asset Income ETF	34.28
IGV	iShares Expanded Tech-Software Sector ETF	34.54
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	34.74
IYZ	iShares U.S. Telecommunications ETF	34.97

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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	(\$2M)	\$62M	(\$35M)	(\$1,277M)
Consumer Discretionary	13	\$23B	(\$321M)	(\$862M)	(\$3,306M)	(\$4,808M)
Consumer Staples	11	\$28B	(\$384M)	\$763M	\$3,188M	\$6,075M
Energy	34	\$76B	(\$233M)	(\$4,415M)	(\$4,740M)	\$2,495M
Financials	27	\$61B	(\$184M)	\$465M	(\$12,634M)	(\$7,214M)
Health Care	24	\$88B	(\$460M)	\$1,728M	\$7,598M	\$10,869M
Industrial	14	\$28B	\$172M	(\$797M)	(\$2,043M)	(\$4,573M)
Materials	10	\$14B	(\$82M)	(\$2,552M)	(\$711M)	(\$1,502M)
Multi-Sector	19	\$14B	(\$30M)	(\$1,663M)	(\$3,810M)	(\$4,431M)
Real Estate	25	\$66B	\$206M	(\$2,375M)	(\$4,190M)	\$1,240M
Technology	24	\$113B	(\$51M)	(\$296M)	\$1,087M	\$2,361M
Utilities	10	\$28B	(\$12M)	\$1,211M	\$4,642M	\$4,757M

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

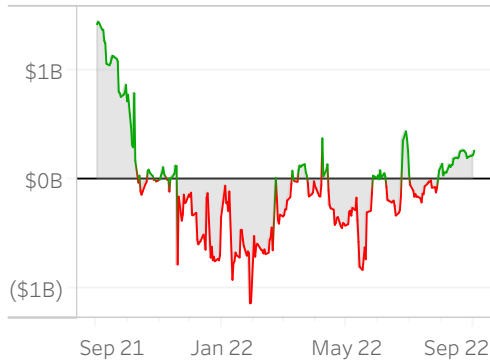
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	\$170M	(\$278M)	(\$1,807M)	(\$4,031M)	\$13,160M
XLRE	Real Estate Select Sector SPDR Fund	\$67M	(\$84M)	\$337M	\$1,457M	\$5,175M
IYR	iShares U.S. Real Estate ETF	\$60M	(\$212M)	(\$1,498M)	(\$939M)	\$4,181M
IGV	iShares Expanded Tech-Software Sector ETF	\$56M	(\$324M)	(\$61M)	\$539M	\$4,049M
VNQ	Vanguard Real Estate ETF	\$30M	(\$1,476M)	(\$2,068M)	\$349M	\$38,523M
XRT	SPDR S&P Retail ETF	\$27M	(\$75M)	\$76M	(\$631M)	\$311M
KIE	SPDR S&P Insurance ETF	\$27M	\$87M	\$90M	\$39M	\$521M
FXN	First Trust Energy AlphaDEX Fund	\$25M	(\$35M)	\$914M	\$1,231M	\$1,851M
RHS	Invesco S&P 500 Equal Weight Consumer Stapl..	\$24M	\$55M	\$152M	\$163M	\$665M
IYT	iShares US Transportation ETF	\$23M	(\$296M)	(\$654M)	(\$712M)	\$799M

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$414M)	\$69M	\$630M	\$2,483M	\$15,597M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$335M)	(\$615M)	(\$1,434M)	(\$1,124M)	\$15,408M
XLE	Energy Select Sector SPDR Fund	(\$147M)	(\$2,245M)	(\$3,235M)	(\$163M)	\$37,307M
IBB	iShares Biotechnology ETF	(\$146M)	\$20M	(\$39M)	(\$170M)	\$7,722M
XBI	SPDR S&P BIOTECH ETF	(\$143M)	\$123M	\$770M	\$2,637M	\$7,346M
XLF	Financial Select Sector SPDR Fund	(\$140M)	\$1,582M	(\$6,474M)	(\$3,544M)	\$33,192M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$89M)	(\$367M)	(\$906M)	(\$517M)	\$4,815M
IYH	iShares U.S. Healthcare ETF	(\$78M)	\$294M	\$336M	\$294M	\$3,002M
XLK	Technology Select Sector SPDR Fund	(\$69M)	\$576M	\$1,065M	\$1,398M	\$40,887M
XLV	Health Care Select Sector SPDR Fund	(\$65M)	\$572M	\$5,961M	\$7,282M	\$37,738M

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Communication Services



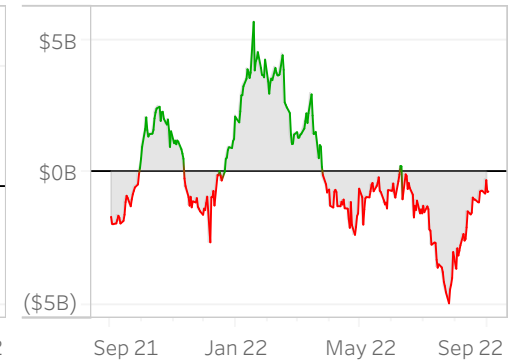
Consumer Discretionary



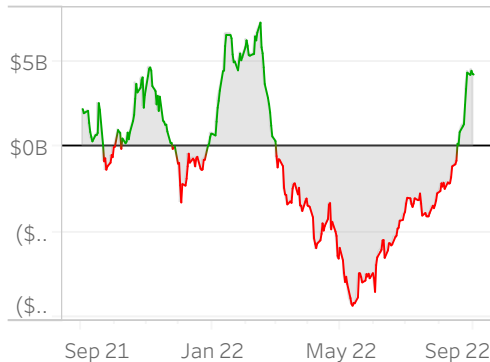
Consumer Staples



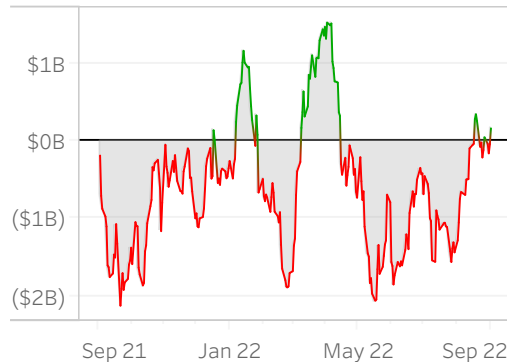
Energy



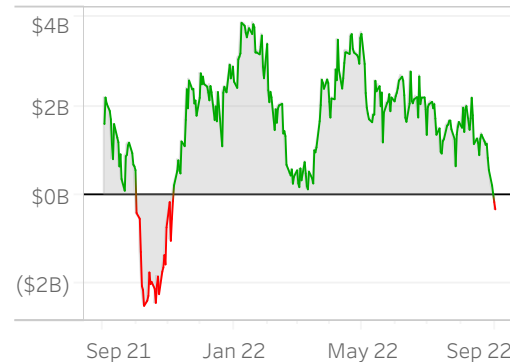
Financials



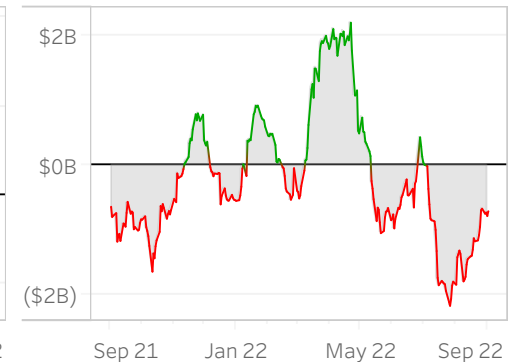
Industrial



Health Care



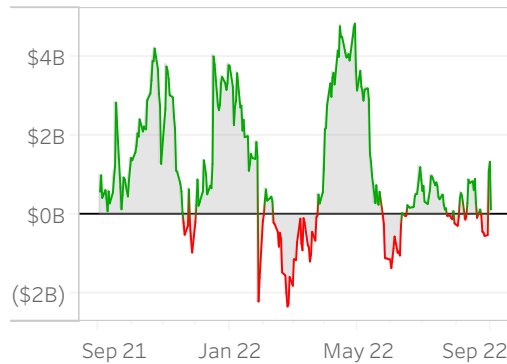
Materials



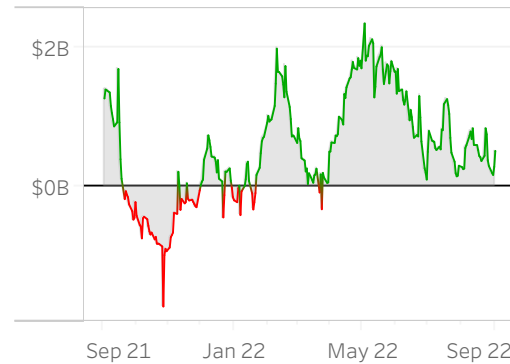
Real Estate



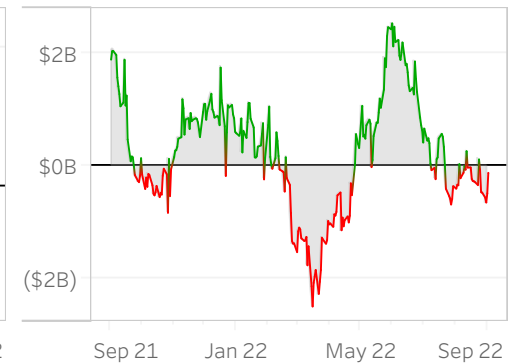
Technology



Utilities

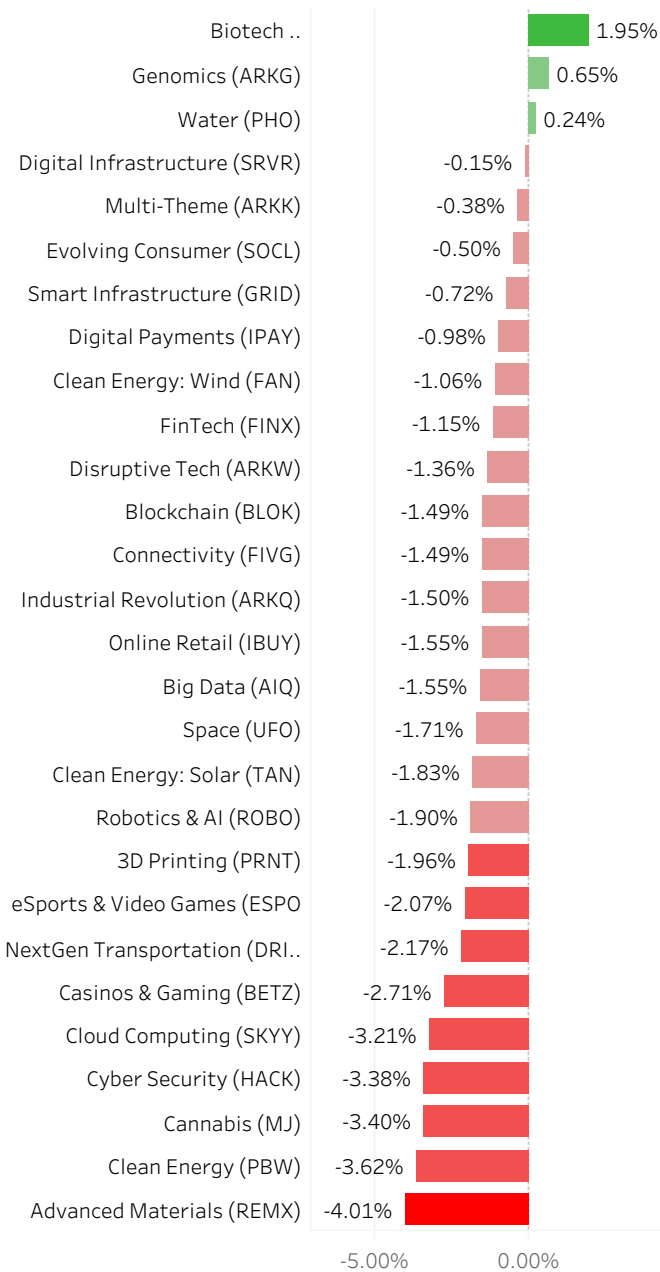


Multi-Sector

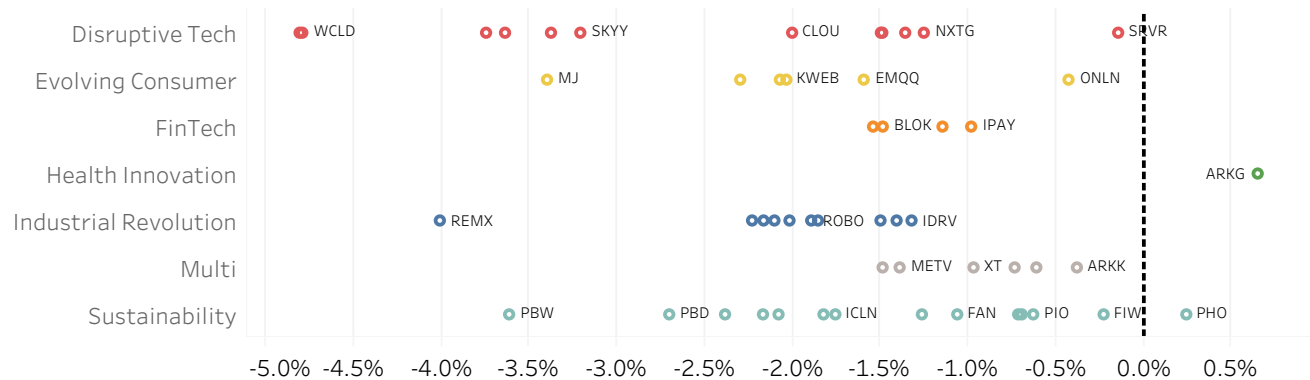


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### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SBIO	ALPS Medical Breakthroughs ETF	1.95%
GNOM	Global X Genomics & Biotechnology ETF	1.30%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	1.04%
BTEC	Principal Healthcare Innovators ETF	0.75%
ARKG	ARK Genomic Revolution ETF	0.65%
MILN	Global X Millennial Consumer ETF	0.56%
PHO	Invesco Water Resources ETF	0.24%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.15%
GDOC	Goldman Sachs Future Health Care Equity ETF	-0.02%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	-0.15%

### Thematic Most Overbought

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	54.94
KWEB	KraneShares CSI China Internet ETF	51.39
ACES	ALPS Clean Energy ETF	50.56
CNRG	SPDR S&P Kensho Clean Power ETF	49.85
SBIO	ALPS Medical Breakthroughs ETF	49.78
MJUS	ETFMG U.S. Alternative Harvest ETF	49.24
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	48.51
TAN	Invesco Solar ETF	48.33
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	47.83
CTEC	Global X CleanTech ETF	47.39

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BUG	Global X Cybersecurity ETF	-4.81%
WCLD	WisdomTree Cloud Computing Fund	-4.80%
BKCH	Global X Blockchain ETF	-4.67%
POTX	Global X Cannabis ETF	-4.14%
REMX	VanEck Rare Earth/Strategic Metals ETF	-4.01%
IHAK	iShares Cybersecurity & Tech ETF	-3.75%
BITQ	Bitwise Crypto Industry Innovators ETF	-3.71%
YOLO	AdvisorShares Pure Cannabis ETF	-3.71%
CIBR	First Trust NASDAQ Cybersecurity ETF	-3.64%
PBW	Invesco WilderHill Clean Energy ETF	-3.62%

### Thematic Most Oversold

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	22.64
PAWZ	ProShares Pet Care ETF	27.76
KSTR	KraneShares SSE STAR Market 50 Index ETF	31.02
NXTG	First Trust Indxx NextG ETF	31.37
BOTZ	Global X Robotics & Artificial Intelligence ETF	31.52
EBLU	Ecofin Global Water ESG Fund	31.54
KLDW	Knowledge Leaders Developed World ETF	31.70
PIO	Invesco Global Water ETF	32.07
GAMR	Wedbush ETFMG Video Game Tech ETF	32.27
BATT	Amplify Lithium & Battery Technology ETF	32.83

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### Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ICLN	iShares Global Clean Energy ETF	\$18M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$16M
MSOS	AdvisorShares Pure US Cannabis ETF	\$16M
WCLD	WisdomTree Cloud Computing Fund	\$12M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$12M
MJ	ETFMG Alternative Harvest ETF	\$11M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$11M
HERO	Global X Video Games & Esports ETF	\$11M
TARK	AXS 2X Innovation ETF	\$10M
BKCH	Global X Blockchain ETF	\$10M

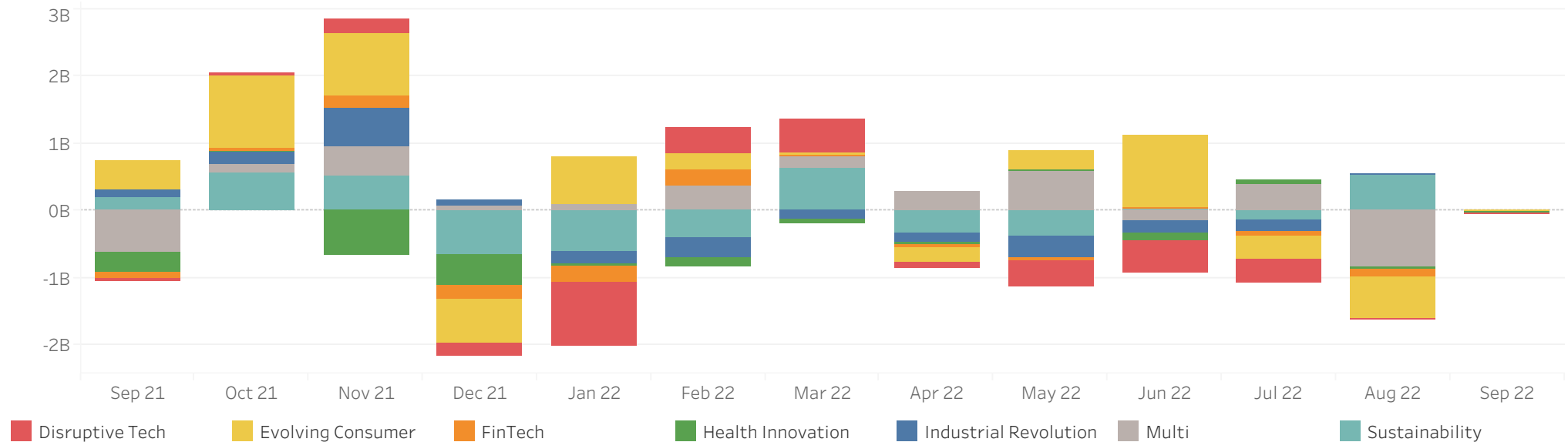
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$56M)
XT	iShares Exponential Technologies ETF	(\$35M)
ARKW	ARK Next Generation Internet ETF	(\$18M)
KWEB	KraneShares CSI China Internet ETF	(\$14M)
HACK	ETFMG Prime Cyber Security ETF	(\$12M)
ARKG	ARK Genomic Revolution ETF	(\$12M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$11M)
PHO	Invesco Water Resources ETF	(\$10M)
NXTG	First Trust Indxx NextG ETF	(\$10M)
FIVG	Defiance Next Gen Connectivity ETF	(\$9M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$34M)	(\$987M)	(\$1,037M)	(\$1,364M)
Evolving Consumer	47	\$11B	\$14M	\$81M	\$293M	\$2,978M
FinTech	24	\$3B	\$0M	(\$181M)	(\$229M)	(\$331M)
Health Innovation	19	\$4B	(\$26M)	(\$93M)	(\$286M)	(\$1,774M)
Industrial Revolution	32	\$12B	(\$20M)	(\$354M)	(\$921M)	(\$469M)
Multi	41	\$15B	(\$156M)	(\$430M)	\$320M	\$931M
Sustainability	42	\$20B	\$18M	\$537M	\$375M	(\$74M)
<b>Grand Total</b>	<b>240</b>	<b>\$83B</b>	<b>(\$205M)</b>	<b>(\$1,428M)</b>	<b>(\$1,485M)</b>	<b>(\$104M)</b>

### Thematic Monthly Flows

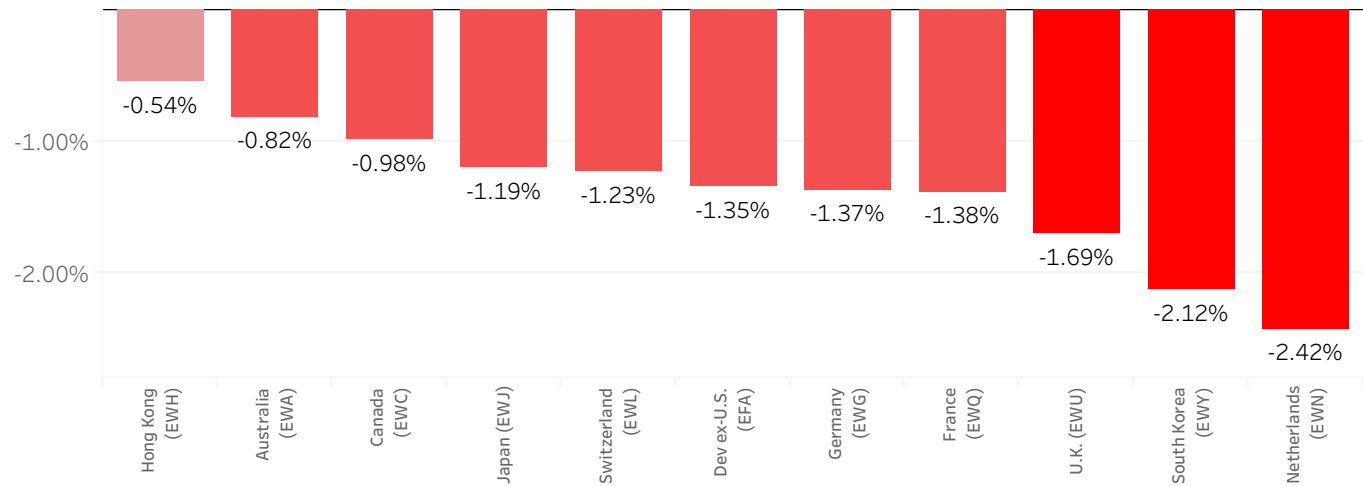


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



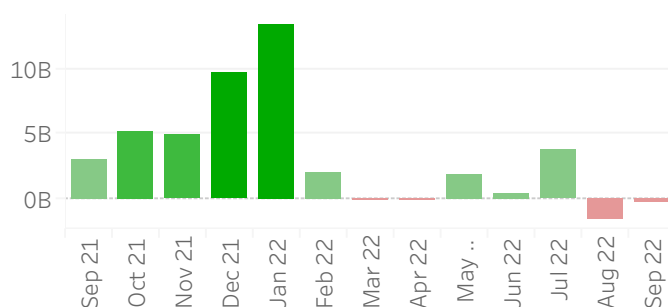
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
PTIN	Pacer Trendpilot International ETF	0.35%
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.08%
EWS	iShares MSCI Singapore ETF	-0.11%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.29%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.32%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.37%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.38%
TOK	iShares MSCI Kokusai ETF	-0.44%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	-0.45%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.45%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	58.75
DXJ	WisdomTree Japan Hedged Equity Fund	46.62
EIS	iShares MSCI Israel ETF	44.28
HEWJ	iShares Currency Hedged MSCI Japan ETF	44.10
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	44.01
AIA	iShares Asia 50 ETF	42.27
AAXJ	iShares MSCI All Country Asia ex Japan ETF	41.71
ISRA	VanEck Israel ETF	40.79
ENZL	iShares MSCI New Zealand ETF	39.52
IMOM	Alpha Architect International Quantitative Momentum ETF	39.40

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EDEN	iShares MSCI Denmark ETF	-2.76%
EWQ	iShares MSCI Austria ETF	-2.69%
EWD	iShares MSCI Sweden ETF	-2.46%
EWN	iShares MSCI Netherlands ETF	-2.42%
IEUS	iShares MSCI Europe Small-Cap ETF	-2.31%
FLKR	Franklin FTSE South Korea ETF	-2.26%
CIL	VictoryShares International Volatility Wtd ETF	-2.20%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-2.13%
EWY	iShares MSCI South Korea ETF	-2.12%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-2.04%

Developed ex-U.S. Most Oversold

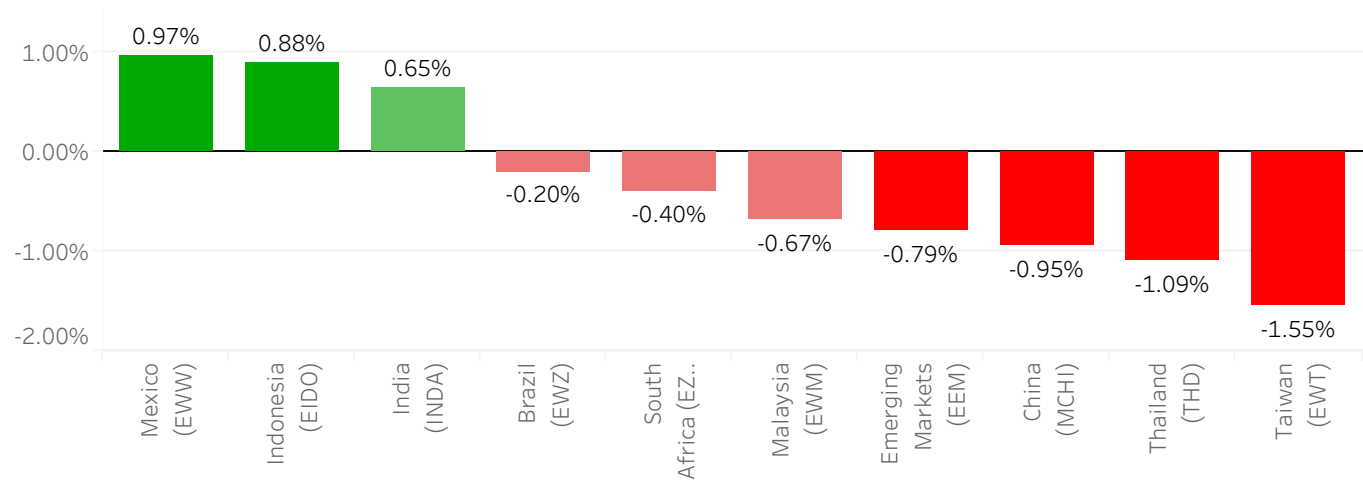
Ticker	Fund	Value
FLGB	Franklin FTSE United Kingdom ETF	26.52
EWU	iShares MSCI United Kingdom ETF	26.55
QLVD	FlexShares Developed Markets ex-US Quality Low V..	26.61
IMFL	Invesco International Developed Dynamic Multifact..	26.78
EUDG	WisdomTree Europe Quality Dividend Growth Fund	27.19
EFAV	iShares MSCI EAFE Min Vol Factor ETF	27.42
IDOG	ALPS International Sector Dividend Dogs ETF	27.48
RFDI	First Trust Riverfront Dynamic Developed Internatio..	27.65
RODM	Hartford Multifactor Developed Markets (ex-US) ETF	27.72
EFAV	ProShares MSCI EAFE Dividend Growers ETF	27.75

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Emerging (EEM)



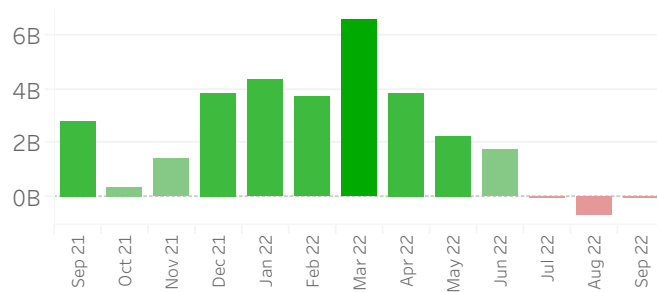
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SMIN	iShares MSCI India Small Cap ETF	1.92%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	1.28%
EPI	WisdomTree India Earnings Fund	1.02%
EWZ	iShares MSCI Mexico ETF	0.97%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.89%
EIDO	iShares MSCI Indonesia ETF	0.88%
INDY	iShares India 50 ETF	0.76%
FLIN	Franklin FTSE India ETF	0.68%
INDA	iShares MSCI India ETF	0.65%
EYLD	Cambria Emerging Shareholder Yield ETF	0.33%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	65.33
SMIN	iShares MSCI India Small Cap ETF	64.03
EIDO	iShares MSCI Indonesia ETF	60.09
NFTY	First Trust India NIFTY 50 Equal Weight ETF	58.68
EPI	WisdomTree India Earnings Fund	57.27
FLIN	Franklin FTSE India ETF	56.11
INDA	iShares MSCI India ETF	55.56
INDY	iShares India 50 ETF	55.14
PIN	Invesco India ETF	54.86
ECH	iShares MSCI Chile ETF	54.83

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPU	iShares MSCI Peru ETF	-3.66%
EPOL	iShares MSCI Poland ETF	-3.03%
PGJ	Invesco Golden Dragon China ETF	-1.85%
QAT	iShares MSCI Qatar ETF	-1.77%
EWT	iShares MSCI Taiwan ETF	-1.55%
ECH	iShares MSCI Chile ETF	-1.19%
FXI	iShares China Large-Cap ETF	-1.13%
THD	iShares MSCI Thailand ETF	-1.09%
EEMA	iShares MSCI Emerging Markets Asia ETF	-1.03%
LDEM	iShares ESG MSCI EM Leaders ETF	-1.02%

Emerging Most Oversold

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	28.21
CNYA	iShares MSCI China A ETF	33.23
EPU	iShares MSCI Peru ETF	34.32
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	34.51
EDIV	SPDR S&P Emerging Markets Dividend ETF	34.84
EZA	iShares MSCI South Africa ETF	35.31
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	35.60
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	36.71
RAYC	Rayliant Quantamental China Equity ETF	36.94
NUEM	Nuveen ESG Emerging Markets Equity ETF	37.24

\*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	-0.43%	-3.79%	-11.07%
SHY	1-3 Year Treasury Bonds	-0.07%	-0.88%	-3.45%
IEF	7-10 Year Treasury Bonds	-0.79%	-5.17%	-12.16%
TLT	20+ Year Treasury Bonds	-1.83%	-8.50%	-25.03%
TIP	TIPS Bonds	-0.75%	-3.48%	-8.38%
FLOT	Floating Rate Bonds	0.05%	0.53%	-0.22%
LQD	Investment Grade Corporate	-0.60%	-5.19%	-16.74%
HYG	High Yield Corporate	0.26%	-4.09%	-11.73%
BKLN	Senior Loan	-0.57%	-0.25%	-3.37%
PFF	Preferred & Income Securities	-0.90%	-5.03%	-14.06%
MUB	Municipal Bonds	-0.46%	-3.00%	-8.48%
MBB	MBS	-0.47%	-4.27%	-9.45%
EMB	Dollar Denominated EM Bonds	-0.24%	-3.38%	-19.85%
LEMB	Local Currency EM Bond	-0.40%	-1.42%	-13.91%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-2.05%	-0.65%	23.41%
DBE	Energy	-2.15%	-1.48%	43.74%
USO	WTI Crude Oil	-2.95%	-5.56%	30.52%
BNO	Brent Crude Oil	-3.20%	-6.93%	38.69%
UNG	Natural Gas	0.28%	11.37%	154.12%
UGA	Gasoline	-2.19%	-14.05%	26.22%
DBP	Precious Metals	-0.85%	-6.03%	-12.00%
GLD	Gold	-0.88%	-4.34%	-7.66%
SLV	Silver	-1.21%	-12.83%	-23.85%
PPLT	abrdn Physical Platin..	-1.92%	-9.10%	-14.62%
PALL	abrdn Physical Palla..	-3.56%	-8.63%	5.46%
DBB	Base Metals	-3.79%	-4.04%	-15.68%
CPER	Copper	-2.98%	-3.89%	-24.66%
LD	Lead	0.20%	-5.14%	-15.90%
JJN	Nickel	-4.48%	-16.36%	-1.20%
JJU	Aluminum	-2.97%	-5.89%	-18.05%
JJT	Tin	-8.35%	-15.57%	-44.77%
DBA	Agriculture	-1.55%	1.75%	2.84%
CORN	Corn	-1.64%	7.22%	22.70%
SOYB	Soybeans	-1.57%	0.04%	15.74%
WEAT	Wheat	-4.45%	-2.39%	10.42%
CANE	Sugar	0.34%	1.60%	-3.48%
BAL	Cotton	-4.30%	15.76%	16.49%
NIB	Cocoa	-2.74%	-0.91%	-14.62%
JO	Coffee	-0.67%	12.33%	6.11%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.89%	4.22%	14.59%
UDN	Short Dollar	-1.07%	-4.24%	-13.44%
FXE	Euro	-1.01%	-3.12%	-13.16%
FXB	British Pound Sterling	-0.62%	-5.76%	-14.72%
FXF	Swiss Franc	-0.36%	-3.26%	-7.79%
FXJ	Japanese Yen	-0.95%	-6.22%	-18.20%
FXC	Canadian Dollar	-0.19%	-2.36%	-4.08%
FXA	Australian Dollar	-0.85%	-3.40%	-6.81%

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