

# U.S. Size & Style Performance

# September 21, 2022

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



Large Growth Large Value (IVE) Large Cap (IVV) Mid Value (IJJ) Mid Growth (IJK) Small Value (IJS) Small Cap (IJR) Small Growth (IJT) Mid Cap (IJH) (IVW) -1.16% -1.22% -1.26% -1.25% -1.34% -1.35% -1.64% -1.71% -1.79%

U.S. Size & Style 1-Day Performance

Mid Cap Blend (S&P 400) IJH



# Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Leaders

Ticker	Fund	
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.38%
RPHS	Regents Park Hedged Market Strategy ETF	0.23%
LSAT	Leadershares Alphafactor Tactical Focused ETF	0.14%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.06%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.05%
РТМС	Pacer Trendpilot US Mid Cap ETF	0.05%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	-0.22%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	-0.31%
PTNQ	Pacer Trendpilot 100 ETF	-0.43%

#### Size & Style 1-Day Performance Laggards

Ticker	Fund	
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	-5.76%
EQRR	ProShares Equities for Rising Rates ETF	-4.17%
QVML	Invesco S&P 500 QVM Multi-factor ETF	-3.82%
ACSI	American Customer Satisfaction ETF	-2.94%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-2.77%
QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	-2.57%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-2.29%
HKND	Humankind US Stock ETF	-2.18%
SPHB	Invesco S&P 500 High Beta ETF	-2.17%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-2.14%

200 Day Moving Average

<u>ا</u>	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	-5.76%
2	ProShares Equities for Rising Rates ETF	-4.17%
L	Invesco S&P 500 QVM Multi-factor ETF	-3.82%
	American Customer Satisfaction ETF	-2.94%
;	SPDR MSCI USA Climate Paris Aligned ETF	-2.77%
S	Invesco S&P SmallCap 600 QVM Multi-factor ETF	-2.57%
-	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-2.29%
)	Humankind US Stock ETF	-2.18%
	Invesco S&P 500 High Beta ETF	-2.17%
М	Alpha Architect U.S. Quantitative Momentum ETF	-2.14%

### Size & Style Most Overbought

Ticker	Fund	
PTLC	Pacer Trendpilot US Large Cap ETF	63.68
LSAT	Leadershares Alphafactor Tactical Focused ETF	55.11
SPC	CrossingBridge Pre-Merger SPAC ETF	54.58
ONOF	Global X Adaptive U.S. Risk Management ETF	48.32
SVAL	iShares US Small Cap Value Factor ETF	40.64
RPHS	Regents Park Hedged Market Strategy ETF	40.54
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	40.23
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	39.01
EQRR	ProShares Equities for Rising Rates ETF	38.97
XMHQ	Invesco S&P MidCap Quality ETF	38.47

#### Size & Style Most Oversold

	Ticker	Fund	
6	QVMS	Invesco S&P SmallCap 600 QVM Multi-factor ETF	11.60
6	GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	13.43
6	USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity	17.04
6	LFEQ	VanEck Long/Flat Trend ETF	17.69
6	PTMC	Pacer Trendpilot US Mid Cap ETF	21.09
6	DJD	Invesco Dow Jones Industrial Average Dividend ETF	26.36
6	QVML	Invesco S&P 500 QVM Multi-factor ETF	26.42
6	PFM	Invesco Dividend Achievers ETF	29.98
6	DEIF	Sterling Capital Diverse Multi-Manager Active ETF	30.07
6	SIXS	ETC 6 Meridian Small Cap Equity ETF	30.54



# U.S. Size & Style Flows

### Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



# Small-Cap 30-Day Rolling Flows



	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	25	\$1,179B	\$9.44B	\$19.34B	\$28.67B	\$102.01B
Large Cap, Beta Growth, Beta: Growth	10	\$218B	(\$0.92B)	\$5.72B	\$11.01B	\$15.50B
Large Cap, Beta Growth, Beta: Value	11	\$209B	(\$0.27B)	\$0.40B	\$4.69B	\$25.81B
Mid Cap, Beta, Beta	10	\$171B	(\$2.21B)	\$1.71B	\$4.74B	\$12.99B
Mid Cap, Beta, Beta: Growth	6	\$31B	(\$0.57B)	\$0.71B	\$0.80B	\$1.30B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.52B)	\$0.43B	(\$0.22B)	\$1.36B
Small Cap, Beta, Beta	13	\$184B	(\$1.82B)	(\$0.92B)	(\$5.26B)	\$8.22B
Small Cap, Beta, Beta: Growth	7	\$30B	(\$0.42B)	(\$0.17B)	\$0.02B	\$1.28B
Small Cap, Beta, Beta: Value	7	\$47B	(\$1.08B)	(\$1.76B)	(\$3.43B)	(\$2.53B)

U.S. Size & Style Landscape Flows

U.S. Size & Style Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$6.88B	(\$2.26B)	(\$1.98B)	\$2.48B	\$348.55B
QQQ	Invesco QQQ Trust	\$3.37B	\$3.34B	\$7.84B	\$13.54B	\$160.07B
IWM	iShares Russell 2000 ETF	\$0.37B	(\$2.90B)	(\$3.99B)	(\$1.36B)	\$51.48B
IWD	iShares Russell 1000 Value ETF	\$0.31B	(\$0.65B)	(\$0.48B)	\$1.24B	\$50.86B
SCHD	Schwab US Dividend Equity ETF	\$0.18B	\$3.45B	\$6.85B	\$11.96B	\$37.07B
DVY	iShares Select Dividend ETF	\$0.16B	\$0.02B	\$1.42B	\$3.33B	\$21.79B
HDV	iShares Core High Dividend ETF	\$0.15B	(\$0.19B)	\$4.22B	\$5.15B	\$12.46B
IJR	iShares Core S&P Small Cap ETF	\$0.12B	\$2.91B	\$1.05B	\$5.83B	\$64.33B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.10B	(\$0.25B)	(\$0.26B)	(\$0.98B)	\$17.46B
REGL	ProShares S&P MidCap 400 Dividend Aristocr	\$0.09B	\$0.18B	\$0.22B	\$0.26B	\$1.27B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	(\$2.74B)	\$5.67B	\$9.99B	\$32.36B	\$256.19B
vo	Vanguard Mid-Cap ETF	(\$1.92B)	\$0.26B	\$1.85B	\$5.70B	\$48.81B
VXF	Vanguard Extended Market ETF	(\$1.57B)	\$0.23B	\$0.15B	\$0.61B	\$13.28B
VB	Vanguard Small-Cap ETF	(\$1.50B)	(\$0.72B)	(\$1.23B)	\$1.68B	\$40.56B
VBR	Vanguard Small Cap Value ETF	(\$1.04B)	(\$0.44B)	(\$1.28B)	\$0.22B	\$22.60B
SCHA	Schwab U.S. Small-Cap ETF	(\$0.89B)	(\$0.26B)	(\$0.87B)	\$0.04B	\$13.16B
VUG	Vanguard Growth ETF	(\$0.86B)	\$2.52B	\$5.44B	\$7.47B	\$71.89B
V00	Vanguard S&P 500 ETF	(\$0.71B)	\$11.02B	\$12.49B	\$41.59B	\$259.73B
MOAT	VanEck Morningstar Wide Moat ETF	(\$0.65B)	\$0.07B	\$0.20B	\$0.73B	\$6.25B
VOT	Vanguard Mid-Cap Growth ETF	(\$0.58B)	\$0.06B	\$0.14B	\$0.87B	\$9.46B

# **U.S. Sectors & Industries Performance**

September 21, 2022

# S&P Sector & Industry 1 Day Performance

-0.27% -0.38%

-0.79%

-0.87%

-0.94%

-1.08%

-1.09%

-1.18%

-1.25%

-1.29%

-1.30% -1.33% -1.36% -1.37%

-1.47%

-1.47%

-1.47%

-1.56%

-1.60%

-1.66%

-2.0%

-1.0%

0.0%

-1.74%

-2.08% -2.10%

-2.10% -2.19% -2.22% -2.37%

Semiconductor (XSD)		
Cons Staples (XLP)		
Software & Svcs (XSW)		
Telecom (XTL)		
Aerospace & Defense (XAR)		
Homebuilders (XHB)		
Retail (XRT		
Regional Banking (KRE)		
Capital Mkts (KCE)		
Banks (KBE)		
Internet (XWEB)		
Industrial (XLI)		
Health Care Svcs (XHS)		
Utilities (XLU)		
Energy (XLE)		
Real Estate (XLRE)		
Insurance (KIE)		
Technology (XLK)		
Transportation (XTN)		
Health Care (XLV)		
S&P 500 (SPY)		
Financials (XLF)		-2.0
Oil & Gas Expl. & Prod (XOP)		-2.1
Metals & Mining (XME)		-2.1
Materials (XLB)		-2.19
Oil & Gas Equip. & Svcs (XES)		-2.22
Cons Discretionary (XLY)		-2.37%
Comm Svcs (XLC)		-2.45%
Health Care Equipment (XHE)		-2.45%
Pharmaceuticals (XPH)		-2.53%
Biotech (XBI)	-3.49%	
	-4.0%	-3.0%

5	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		-6.73%	14.04%	-2.03%	1.66%	38.51
_	XLP	P Consumer Staples Select Sector SPDR Fund		-12.28%	2.69%	-4.43%	-5.54%	32.82
	XLV	Health Care Select Sector SPDR Fund		-14.09%	2.35%	-5.26%	-6.70%	34.77
	XLE	Energy Select Sector SPDR Fund		-17.67%	43.31%	-1.55%	2.69%	41.40
	XLI	Industrial Select Sector SPDR Fund		-18.14%	2.56%	-6.61%	-9.39%	30.95
	SPY	SPDR S&P 500 ETF Trust		-21.00%	3.15%	-6.49%	-10.56%	33.43
	XLB	Materials Select Sector SPDR Fund		-21.96%	0.00%	-7.55%	-14.02%	32.40
	XLF	Financial Select Sector SPDR Fund		-22.53%	4.39%	-4.40%	-10.62%	36.16
	XLRE	Real Estate Select Sector SPDR Fund		-26.10%	0.00%	-10.37%	-15.01%	25.42
	XLY	KLY Consumer Discretionary Select Sector SPDR Fund		-27.44%	13.95%	-4.09%	-8.87%	40.40
	XLK	K Technology Select Sector SPDR Fund		-28.29%	2.58%	-9.10%	-13.55%	32.13
	XLC	Communication Services Select Sector SPDR Fi	und	-38.80%	0.00%	-9.85%	-20.51%	30.11
		Sector & Industry 1 Day Performance Leaders	;		Sector 8	Industry Most	t Overbought	
	Ticker	Fund		Ticker	Fund			
	FTXG	First Trust Nasdaq Food & Beverage ETF	0.74%	QABA	First Trust NASD	AQ ABA Communit	ty Bank Index Fund	52.27
	PSCC	Invesco S&P SmallCap Consumer Staples ETF	0.41%	KBWR	Invesco KBW Reg	jional Banking ETF	:	49.95
	RHS	Invesco S&P 500 Equal Weight Consumer Staples	-0.01%	AMLP	Alerian MLP ETF			47.44
	PBJ	Invesco Dynamic Food & Beverage ETF	-0.18%	KRE	SPDR S&P Regional Banking ETF			46.31
	XSD	SPDR S&P Semiconductor ETF	-0.27%	MLPA	PA Global X MLP ETF			45.98
	BIZD	VanEck BDC Income ETF	-0.33%	IEO iShares U.S. Oil & Gas Exploration & Production ETF			45.86	
	VDC	Vanguard Consumer Staples ETF	-0.33%	6 AMZA InfraCap MLP ETF			44.93	
	FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER ST	-0.35%	6 KBE SPDR S&P Bank ETF			44.37	
	XLP	Consumer Staples Select Sector SPDR Fund	-0.38%	FTXO	First Trust Nasda	aq Bank ETF		44.24
	INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-0.39%	IYE	iShares U.S. Ener	gy ETF		44.08

Select Sector SPDRs Technicals

#### Sector & Industry 1 Day Performance Laggards

Ticker	Fund	
PEJ	Invesco Dynamic Leisure & Entertainment ETF	-4.12%
XBI	SPDR S&P BIOTECH ETF	-3.49%
PTH	Invesco DWA Healthcare Momentum ETF	-2.84%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-2.56%
ХРН	SPDR S&P Pharmaceuticals ETF	-2.53%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-2.48%
XHE	SPDR S&P Health Care Equipment ETF	-2.45%
XLC	Communication Services Select Sector SPDR Fund	-2.45%
PNQI	Invesco NASDAQ Internet ETF	-2.43%
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.37%

#### Sector & Industry Most Oversold

	Ticker	Fund	
ò	IYZ	iShares U.S. Telecommunications ETF	24.40
5	RWR	SPDR Dow Jones REIT ETF	25.35
)	XLRE	Real Estate Select Sector SPDR Fund	25.42
D	FREL	Fidelity MSCI Real Estate Index ETF	25.54
)	JPRE	JPMorgan Realty Income ETF	25.65
D	EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	25.69
)	BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	25.73
D	REZ	iShares Residential and Multisector Real Estate ETF	25.87
)	SCHH	Schwab U.S. REIT ETF	26.29
<b>)</b>	ICF	iShares Cohen & Steers REIT ETF	26.51

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

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# U.S. Sector Landscape

# U.S. Sector & Industry 1-Week Flows

\$331M



	Funds	AUM	1 Week	3 Month	6 Month	1 Year
<b>Communication Services</b>		\$12B	(\$10M)	(\$160M)	(\$742M)	(\$1,929M)
Consumer Discretionary	13	\$24B	(\$164M)	(\$487M)	(\$2,419M)	(\$4,496M)
Consumer Staples	11	\$28B	\$25M	\$1,236M	\$3,665M	\$7,399M
Energy	34	\$73B	(\$252M)	(\$3,526M)	(\$6,370M)	\$1,283M
Financials	27	\$57B	(\$1,379M)	(\$1,335M)	(\$15,313M)	(\$7,676M)
Health Care	24	\$88B	(\$79M)	\$1,146M	\$5,120M	\$10,923M
Industrial	14	\$27B	\$266M	(\$892M)	(\$3,023M)	(\$3,319M)
Materials	10	\$13B	\$36M	(\$2,255M)	(\$2,680M)	(\$1,338M)
Multi-Sector	19	\$13B	\$255M	(\$1,403M)	(\$2,673M)	(\$4,583M)
Real Estate	25	\$63B	\$353M	(\$1,234M)	(\$2,586M)	(\$939M)
Technology	24	\$106B	(\$839M)	(\$811M)	\$253M	\$1,058M
Utilities	10	\$28B	\$125M	\$1,836M	\$4,522M	\$5,775M

U.S. Sector Landscape

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	\$352M	(\$622M)	(\$1,727M)	(\$3,164M)	\$12,444M
IGV	iShares Expanded Tech-Software Sector ETF	\$331M	(\$343M)	(\$525M)	\$517M	\$3,889M
FDN	First Trust Dow Jones Internet Index Fund	\$227M	(\$169M)	(\$1,187M)	(\$2,514M)	\$4,122M
IYR	iShares U.S. Real Estate ETF	\$205M	(\$428M)	(\$580M)	(\$2,912M)	\$3,971M
IBB	iShares Biotechnology ETF	\$190M	\$205M	(\$150M)	\$104M	\$7,906M
XLU	Utilities Select Sector SPDR Fund	\$116M	\$1,105M	\$3,046M	\$3,618M	\$17,806M
VOX	Vanguard Communication Services ETF	\$95M	\$95M	(\$151M)	(\$244M)	\$2,678M
XHB	SPDR S&P Homebuilders ETF	\$95M	(\$104M)	(\$427M)	(\$454M)	\$888M
KBWB	Invesco KBW Bank ETF	\$94M	\$150M	(\$313M)	(\$124M)	\$2,087M
RWR	SPDR Dow Jones REIT ETF	\$86M	(\$61M)	(\$34M)	\$162M	\$1,678M

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

Ticl	ker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	F	Financial Select Sector SPDR Fund	(\$1,396M)	(\$852M)	(\$9,303M)	(\$4,094M)	\$29,877M
XLK	К	Technology Select Sector SPDR Fund	(\$554M)	\$381M	\$1,537M	\$2,610M	\$38,880M
VG	Τ	Vanguard Information Technology ETF	(\$452M)	(\$133M)	\$1,313M	\$1,036M	\$41,032M
XLY	Y	Consumer Discretionary Select Sector SPDR Fu	(\$219M)	\$46M	(\$151M)	(\$925M)	\$15,981M
XLE	E	Energy Select Sector SPDR Fund	(\$203M)	(\$1,424M)	(\$2,549M)	(\$1,014M)	\$35,476M
XLV	V	Health Care Select Sector SPDR Fund	(\$112M)	\$571M	\$4,015M	\$7,215M	\$37,405M
XBI	1	SPDR S&P BIOTECH ETF	(\$103M)	(\$462M)	\$277M	\$2,635M	\$7,195M
XLC	с	Communication Services Select Sector SPDR Fu	(\$102M)	(\$284M)	(\$468M)	(\$1,602M)	\$8,489M
IYV	N	iShares U.S. Technology ETF	(\$64M)	(\$66M)	(\$492M)	(\$505M)	\$6,233M
RY	Т	Invesco S&P 500 Equal Weight Technology ETF	(\$62M)	(\$51M)	(\$196M)	(\$382M)	\$1,921M



# U.S. Sector Rolling 30-Day Flows

\$4B

\$2B

\$0B

(\$2B)

September 21, 2022



May 22

Sep 22



**Consumer Discretionary** 





Materials

Energy



Jan 22



Industrial



Jan 22

**Consumer Staples** 







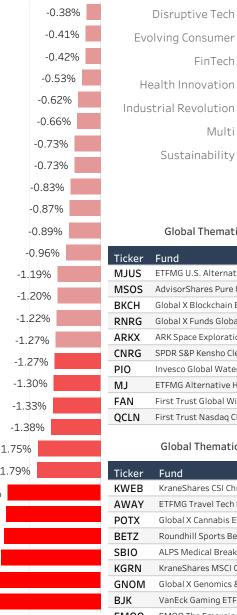


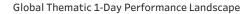
# **Global Thematic Performance**

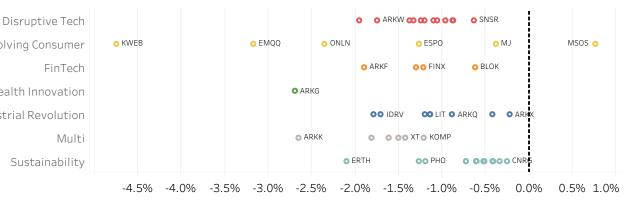
# September 21, 2022

# Global Thematic Segment 1-Day Performance

-		Cannabis (MJ)
-(		Clean Energy: Wind (FAN)
-(		Advanced Materials (REMX)
-0		Clean Energy: Solar (TAN)
-0.		Blockchain (BLOK)
-0.		3D Printing (PRNT)
-0.7		Clean Energy (PBW)
-0.7		Smart Infrastructure (GRID)
-0.83		Big Data (AIQ)
-0.87		Cyber Security (HACK)
-0.89		Industrial Revolution (ARKQ)
-0.96		Connectivity (FIVG)
-1.19%		Water (PHO)
-1.20%		Robotics & AI (ROBO)
-1.22%		FinTech (FINX)
-1.27%		eSports & Video Games (ESPO
-1.27%		Space (UFO)
-1.30%		Digital Payments (IPAY)
-1.33%		Cloud Computing (SKYY)
-1.38%		Digital Infrastructure (SRVR)
-1.75%		Disruptive Tech (ARKW)
-1.79%		NextGen Transportation (DRI
-2.58%		Online Retail (IBUY)
-2.65%		Multi-Theme (ARKK)
-2.70%		Genomics (ARKG)
-2.77%		Evolving Consumer (SOCL)
%	-3.63%	Biotech
	-3.81%	Casinos & Gaming (BETZ)
-2.00%	-4.00	







Global Thematic 1-Day Performance Leaders

ļ.	Ticker	Fund	
	MJUS	ETFMG U.S. Alternative Harvest ETF	1.21%
	MSOS	AdvisorShares Pure US Cannabis ETF	0.76%
	вксн	Global X Blockchain ETF	0.50%
	RNRG	Global X Funds Global X Renewable Energy Producers ETF	0.07%
Ĺ	ARKX	ARK Space Exploration & Innovation ETF	-0.22%
i.	CNRG	SPDR S&P Kensho Clean Power ETF	-0.26%
	PIO	Invesco Global Water ETF	-0.34%
	MJ	ETFMG Alternative Harvest ETF	-0.38%
Ĺ	FAN	First Trust Global Wind Energy ETF	-0.41%
	QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-0.42%

Global Thematic 1-Day Performance Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	-4.75%
AWAY	ETFMG Travel Tech ETF	-3.91%
ΡΟΤΧ	Global X Cannabis ETF	-3.84%
BETZ	Roundhill Sports Betting & iGaming ETF	-3.81%
SBIO	ALPS Medical Breakthroughs ETF	-3.63%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-3.59%
GNOM	Global X Genomics & Biotechnology ETF	-3.51%
BJK	VanEck Gaming ETF	-3.29%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E	-3.17%
YOLO	AdvisorShares Pure Cannabis ETF	-3.11%

#### Thematic Most Overbought

	Ticker	Fund	
<b>—</b>	QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	47.14
)	ACES	ALPS Clean Energy ETF	46.67
)	REMX	VanEck Rare Earth/Strategic Metals ETF	44.88
)	CNRG	SPDR S&P Kensho Clean Power ETF	43.76
)	LIT	Global X Lithium & Battery Tech ETF	42.88
	PBW	Invesco WilderHill Clean Energy ETF	42.25
	TAN	Invesco Solar ETF	41.74
	CLOU	Global X Cloud Computing ETF	41.20
	ARKG	ARK Genomic Revolution ETF	40.15
	IHAK	iShares Cybersecurity & Tech ETF	40.11

### Thematic Most Oversold

_		
Ticker	Fund	
PAWZ	ProShares Pet Care ETF	25.56
YOLO	AdvisorShares Pure Cannabis ETF	26.31
KGRN	KraneShares MSCI China Clean Technology Index ETF	26.43
HERO	Global X Video Games & Esports ETF	26.74
VPN	Global X Data Center REITs & Digital Infrastructure ETF	27.03
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR	27.88
NXTG	First Trust Indxx NextG ETF	28.29
GAMR	Wedbush ETFMG Video Game Tech ETF	28.56
ESPO	VanEck Video Gaming and eSports ETF	28.68
GBUY	Goldman Sachs Future Consumer Equity ETF	29.23



# **Global Thematic Flows**

# Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$80M
TAN	Invesco Solar ETF	\$21M
ICLN	iShares Global Clean Energy ETF	\$13M
PBW	Invesco WilderHill Clean Energy ETF	\$8M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$5M
CNRG	SPDR S&P Kensho Clean Power ETF	\$5M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$4M
TARK	AXS 2X Innovation ETF	\$4M
ACES	ALPS Clean Energy ETF	\$3M
EVX	VanEck Environmental Services ETF	\$3M

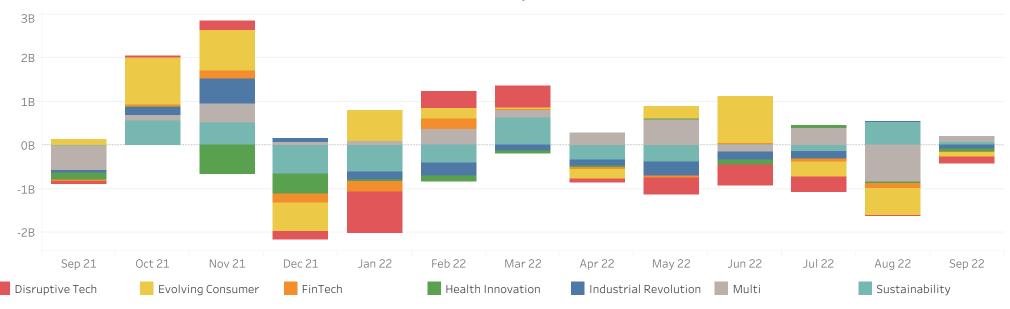
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$17B	(\$70M)	(\$573M)	(\$1,318M)	(\$1,549M)
Evolving Consumer	47	\$10B	(\$70M)	(\$701M)	\$216M	\$2,535M
FinTech	24	\$3B	(\$5M)	(\$200M)	(\$248M)	(\$312M)
Health Innovation	19	\$4B	(\$43M)	(\$107M)	(\$160M)	(\$1,680M)
Industrial Revolution	32	\$12B	(\$15M)	(\$283M)	(\$877M)	(\$696M)
Multi	41	\$15B	\$203M	(\$419M)	(\$28M)	\$1,124M
Sustainability	42	\$19B	(\$71M)	\$615M	(\$457M)	(\$199M)
Grand Total	240	\$79B	(\$71M)	(\$1,669M)	(\$2,872M)	(\$778M)

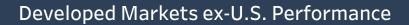
Thematic Landscape Assets & Flows

### Thematic 1 Week Flow Laggards

#### Ticker Fund KWEB KraneShares CSI China Internet ETF (\$72M) (\$38M) ARKG ARK Genomic Revolution ETF CIBR First Trust NASDAQ Cybersecurity ETF (\$25M) ARKW ARK Next Generation Internet ETF (\$21M) (\$14M) PHO Invesco Water Resources ETF CLOU Global X Cloud Computing ETF (\$10M) ARKQ ARK Autonomous Technology & Robotics ETF (\$8M) LIT Global X Lithium & Battery Tech ETF (\$8M) (\$7M) First Trust Cloud Computing ETF SKYY IPAY ETFMG Prime Mobile Payments ETF (\$6M)

#### Thematic Monthly Flows

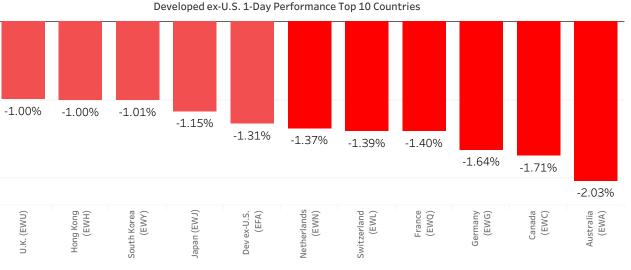




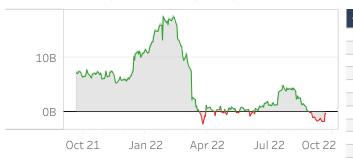
September 21, 2022

Developed ex-U.S. (EFA)





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



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

Ticker	Fund	
PTIN	Pacer Trendpilot International ETF	0.08%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.06%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-0.20%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.29%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.29%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.39%
IHDG	WisdomTree International Hedged Quality Dividend Growth	-0.40%
NORW	Global X MSCI Norway ETF	-0.43%
DDLS	WisdomTree Dynamic Currency Hedged International SmallC	-0.43%
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.48%

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

Ticker	Fund	
GREK	Global X MSCI Greece ETF	-2.42%
EWP	iShares MSCI Spain ETF	-2.15%
EWA	iShares MSCI Australia ETF	-2.03%
EWO	iShares MSCI Austria ETF	-1.82%
CIL	VictoryShares International Volatility Wtd ETF	-1.81%
AIA	iShares Asia 50 ETF	-1.77%
IDOG	ALPS International Sector Dividend Dogs ETF	-1.76%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	-1.75%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E	-1.75%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-1.73%

#### Developed ex-U.S. Most Overbought

Ticker	Fund	
PTIN	Pacer Trendpilot International ETF	62.25
DXJ	WisdomTree Japan Hedged Equity Fund	42.19
EWI	iShares MSCI Italy ETF	41.30
HEWJ	iShares Currency Hedged MSCI Japan ETF	39.84
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	39.19
EWS	iShares MSCI Singapore ETF	38.65
GREK	Global X MSCI Greece ETF	38.21
DFJ	WisdomTree Japan SmallCap Dividend Fund	37.94
FLCA	Franklin FTSE Canada ETF	37.78
HEDJ	WisdomTree Europe Hedged Equity Fund	37.67

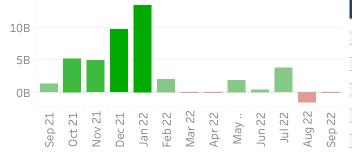
### Developed ex-U.S. Most Oversold

	Ticker	Fund	
6	IMFL	Invesco International Developed Dynamic Multifact	21.50
6	QLVD	FlexShares Developed Markets ex-US Quality Low V	24.71
6	IDLV	Invesco S&P International Developed Low Volatility	26.98
6	IDHQ	Invesco S&P International Developed High Quality E	27.34
6	EFAV	iShares MSCI EAFE Min Vol Factor ETF	27.75
6	PBDM	Invesco PureBeta FTSE Developed ex-North America	28.05
6	RODM	Hartford Multifactor Developed Markets (ex-US) ETF	28.13
6	EDEN	iShares MSCI Denmark ETF	28.22
6	IDOG	ALPS International Sector Dividend Dogs ETF	28.55
6	PIZ	Invesco DWA Developed Markets Momentum ETF	28.56

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

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Developed ex-U.S. Monthly Flows

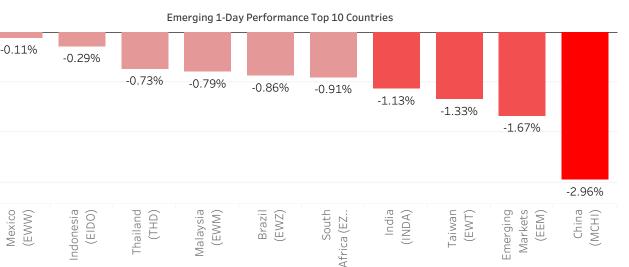




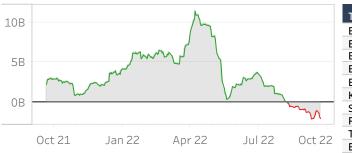
# **Emerging Markets Performance**

September 21, 2022





Emerging 30-Day Rolling Flows



**Emerging Monthly Flows** 

Feb 22

Mar 22 Apr 22 May 22 Jun 22 Jul 22

Aug 22

Sep 22

6B

4B

2B

0B

-2B

Sep 21

Oct 21 Nov 21 Dec 21 Jan 22 **Emerging 1-Day Performance Leaders** 

Ticker	Fund	
ECH	iShares MSCI Chile ETF	-0.08%
EWW	iShares MSCI Mexico ETF	-0.11%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.15%
EIDO	iShares MSCI Indonesia ETF	-0.29%
EYLD	Cambria Emerging Shareholder Yield ETF	-0.32%
KSA	iShares MSCI Saudi Arabia ETF	-0.63%
SMIN	iShares MSCI India Small Cap ETF	-0.63%
FLLA	Franklin FTSE Latin America ETF	-0.65%
THD	iShares MSCI Thailand ETF	-0.73%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-0.76%

#### Emerging 1-Day Performance Laggards

Ticker	Fund	
PGJ	Invesco Golden Dragon China ETF	-6.05%
FNI	First Trust Chindia ETF	-4.15%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-3.35%
MCHI	iShares MSCI China ETF	-2.96%
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	-2.91%
FLCH	Franklin FTSE China ETF	-2.74%
FXI	iShares China Large-Cap ETF	-2.66%
GXC	SPDR S&P China ETF	-2.55%
EEMA	iShares MSCI Emerging Markets Asia ETF	-2.39%
EPHE	iShares MSCI Philippines ETF	-2.37%

### Emerging Most Oversold

Ticker	Fund	
EDIV	SPDR S&P Emerging Markets Dividend ETF	22.54
CNYA	iShares MSCI China A ETF	25.71
RAYC	Rayliant Quantamental China Equity ETF	25.76
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	25.82
ECNS	iShares MSCI China Small-Cap ETF	25.86
EELV	Invesco S&P Emerging Markets Low Volatility ETF	26.37
KSA	iShares MSCI Saudi Arabia ETF	27.24
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	27.50
FM	iShares MSCI Frontier and Select EM ETF	27.94
EPHE	iShares MSCI Philippines ETF	27.98

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

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Emerging Most Overbought

Ticker Fund 53.32 EWW iShares MSCI Mexico ETF 53.26 EWZ iShares MSCI Brazil ETF ILF iShares Latin America 40 ETF 53.17 EWZS iShares MSCI Brazil Small-Cap ETF 53.00 53.00 FLBR Franklin FTSE Brazil ETF 52.95 iShares MSCI Indonesia ETF EIDO 52.37 SMIN iShares MSCI India Small Cap ETF 51.45 FLLA Franklin FTSE Latin America ETF TUR iShares MSCI Turkey ETF 49.05 48.91 INDY iShares India 50 ETF



# Fixed Income, Commodities & Currencies

Commodities (DJP)

# September 21, 2022









**Currencies Performance** 

# Fixed Income Performance

### **Commodities Performance**

#### Ticker Name 1 Month YTD Ticker Name 1 Day 1 Month YTD Ticker Name 1 Month 1 Day 1 Day -0.20% -4.50% 21.15% DJP **Broad Commodities** -12.42% 0.32% -3.18% AGG U.S. Aggregate -0.46% -7.43% 38.64% 0.98% 3.04% 16.31% DBE Energy UUP Long Dollar -0.78% -7.26% 26.34% US0 WTI Crude Oil 1-3 Year Treasury Bonds -0.09% -1.16% -4.23% SHY -0.59% -5.29% 36.20% BNO Brent Crude Oil IEF 7-10 Year Treasury Bonds 0.40% -4.02% -13.72% UNG Natural Gas 1.12% -15.85% 115.93% -0.97% -2.83% -14.48% UDN Short Dollar 0.90% -11.53% 30.91% UGA Gasoline -4.23% 20+ Year Treasury Bonds 1.68% -26.10% TLT DBP Precious Metals 0.81% -3.08% -11.39% 0.46% -4.26% GLD Gold -8.87% -1.23% -1.91% -13.99% FXE Euro -4.15% -10.33% TIP **TIPS Bonds** 0.19% 1.86% 2.91% -16.04% SLV Silver PPLT abrdn Physical Platin. -1.30% 1.63% -6.11% -0.01% 0.39% -0.04% FLOT Floating Rate Bonds PALL abrdn Physical Palla. -0.95% 0.90% 12.87% FXB British Pound Sterling -0.87% -4.55% -16.60% -18.04% 0.38% -4.20% DBB Base Metals -1.49% -6.79% -16.80% LQD Investment Grade Corporate CPER -1.66% -6.38% -23.96% Copper HYG High Yield Corporate -0.30% -4.01% -12.75% LD 6.80% -10.55% -21.48% Lead -0.17% -0.89% -6.35% FXF Swiss Franc -1.37% 11.82% 19.38% Nickel JJN -0.05% -3.66% -1.31% BKLN Senior Loan JJU -2.10% -7.73% -21.47% Aluminum JJT Tin -0.30% -14.21% -44.04% 0.22% -5.29% -15.14% PFF Preferred & Income Securities -0.16% -4.95% -20.29% FXY Japanese Yen -0.67% 2.74% 4.56% DBA Agriculture -0.87% 9.00% 27.02% CORN Corn 0.22% -2.37% -9.27% MUB Municipal Bonds -0.79% 4.04% 21.01% SOYB Soybeans Canadian Dollar -0.68% -3.38% -6.16% 0.21% -4.11% -11.38% 0.67% 14.81% 22.73% FXC WEAT Wheat MBB MBS -0.90% -1.12% -4.24% CANE Sugar -0.29% -3.47% -21.08% EMB Dollar Denominated EM Bonds 3.68% -16.39% 3.83% BAL Cotton -0.51% -1.52% -15.42% FXA Australian Dollar -0.82% -3.50% -8.83% NIB Cocoa -0.49% -2.17% -15.04% LEMB Local Currency EM Bond JO -2.42% 3.06% 0.02% Coffee

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