

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

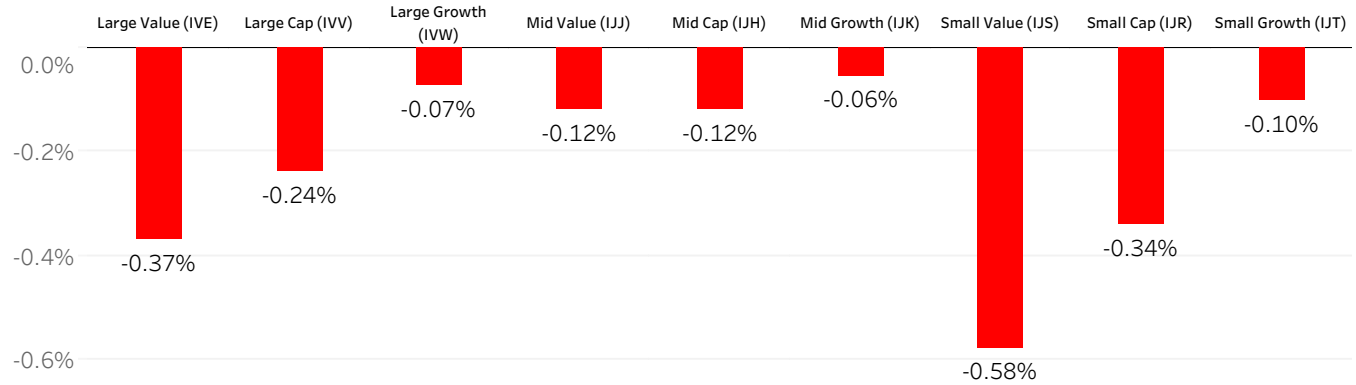


Small Cap Blend (S&P 600) IJR



■ 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
MGMT	Ballast Small/Mid Cap ETF	0.43%
SPMO	Invesco S&P 500 Momentum ETF	0.42%
SQEW	LeaderShares Equity Skew ETF	0.33%
FTC	First Trust Large Cap Growth AlphaDEX Fund	0.28%
FFTY	Innovator IBD 50 ETF	0.27%
LCG	Sterling Capital Focus Equity ETF	0.27%
RPHS	Regents Park Hedged Market Strategy ETF	0.25%
XMMO	Invesco S&P MidCap Momentum ETF	0.23%
MTUM	iShares MSCI USA Momentum Factor ETF	0.21%
XMHQ	Invesco S&P MidCap Quality ETF	0.20%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	65.60
QVAL	Alpha Architect US Quantitative Value ETF	42.87
USMV	iShares MSCI USA Min Vol Factor ETF	42.21
ABEQ	Absolute Select Value ETF	41.71
SPMO	Invesco S&P 500 Momentum ETF	40.52
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	40.19
SIXS	ETC 6 Meridian Small Cap Equity ETF	40.01
HDV	iShares Core High Dividend ETF	39.67
SPLV	Invesco S&P 500 Low Volatility ETF	38.43
USMF	WisdomTree U.S. Multifactor Fund	38.39

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-1.06%
BUZZ	VanEck Social Sentiment ETF	-1.05%
RPV	Invesco S&P 500 Pure Value ETF	-0.83%
SDOG	ALPS Sector Dividend Dogs ETF	-0.79%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.78%
WBIY	WBI Power Factor High Dividend ETF	-0.73%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	-0.73%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-0.72%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-0.67%
EQWL	Invesco S&P 100 Equal Weight ETF	-0.67%

Size & Style Most Oversold

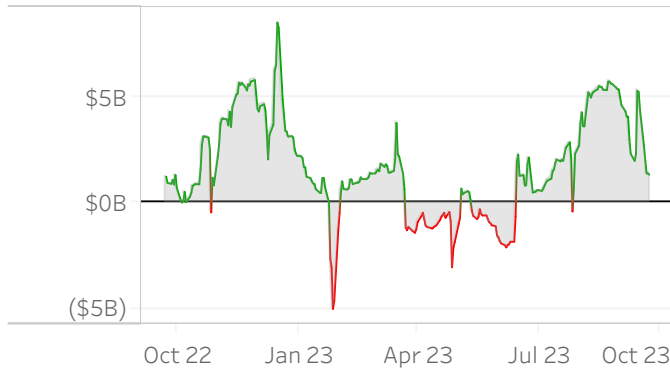
Ticker	Fund	Price
QQQN	VictoryShares Nasdaq Next 50 ETF	24.92
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	26.06
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	26.11
FYC	First Trust Small Cap Growth AlphaDEX Fund	26.15
ETHO	Etho Climate Leadership U.S. ETF	26.23
QQQJ	Invesco NASDAQ Next Gen 100 ETF	26.32
LCG	Sterling Capital Focus Equity ETF	26.44
NUMG	Nuveen ESG Mid-Cap Growth ETF	26.47
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	26.63
FFTY	Innovator IBD 50 ETF	26.67

*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, Beta	26	\$1,422B	\$4.50B	\$41.90B	\$63.44B	\$78.68B
Large Cap, Beta, Beta: Growth	10	\$273B	(\$0.88B)	\$1.79B	\$5.29B	\$16.40B
Large Cap, Beta, Beta: Value	11	\$219B	(\$0.22B)	(\$2.90B)	(\$3.73B)	(\$3.96B)
Mid Cap, Beta, Beta	10	\$190B	(\$0.71B)	\$5.15B	\$6.74B	\$12.88B
Mid Cap, Beta, Beta: Growth	6	\$34B	(\$0.06B)	\$0.21B	\$0.88B	\$0.57B
Mid Cap, Beta, Beta: Value	6	\$38B	(\$0.40B)	(\$0.67B)	(\$1.40B)	(\$1.17B)
Small Cap, Beta, Beta	11	\$192B	\$1.43B	\$1.77B	\$4.43B	\$9.35B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.09B)	\$0.07B	\$0.48B	\$1.01B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.38B)	(\$0.41B)	(\$1.45B)	(\$0.29B)

U.S. Size & Style Flow Leaders

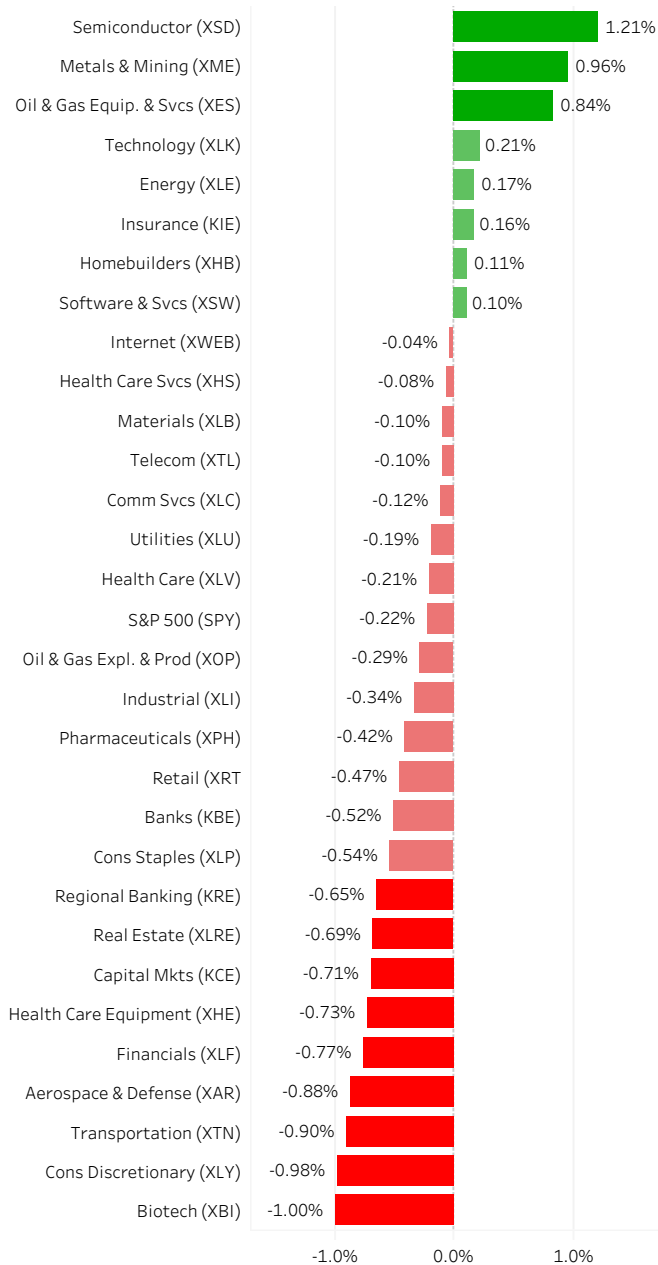
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$2.72B	(\$0.79B)	\$7.20B	\$9.69B	\$401.32B
IWM	iShares Russell 2000 ETF	\$1.89B	(\$1.32B)	(\$1.09B)	(\$0.84B)	\$50.70B
QQQ	Invesco QQQ Trust Series I	\$1.52B	\$5.39B	\$3.58B	\$1.94B	\$197.13B
VOO	Vanguard S&P 500 ETF	\$1.33B	\$16.47B	\$25.72B	\$34.17B	\$326.94B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.42B	\$4.42B	\$7.17B	\$10.02B	\$40.82B
QQQM	Invesco NASDAQ 100 ETF	\$0.18B	\$1.67B	\$4.39B	\$7.43B	\$14.23B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.17B	(\$0.39B)	(\$0.15B)	(\$0.68B)	\$28.98B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.16B	(\$0.60B)	(\$0.78B)	(\$1.13B)	\$28.41B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ..	\$0.16B	\$1.92B	\$3.37B	\$4.88B	\$5.43B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.15B	\$0.98B	\$2.27B	\$4.58B	\$20.96B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$1.53B)	\$17.39B	\$19.17B	\$18.78B	\$343.06B
VTI	Vanguard Total Stock Market ETF	(\$1.24B)	\$5.53B	\$10.81B	\$21.26B	\$305.67B
VO	Vanguard Mid-Cap ETF	(\$0.98B)	\$0.70B	\$0.81B	\$2.16B	\$52.35B
VUG	Vanguard Growth ETF	(\$0.84B)	(\$0.05B)	\$0.17B	\$3.98B	\$89.38B
VB	Vanguard Small-Cap ETF	(\$0.51B)	\$0.96B	\$0.85B	\$2.24B	\$43.49B
VOE	Vanguard Mid-Cap Value ETF	(\$0.42B)	(\$0.41B)	(\$0.42B)	(\$0.14B)	\$15.25B
VTV	Vanguard Value ETF	(\$0.33B)	\$1.48B	(\$2.74B)	(\$2.88B)	\$99.43B
VBR	Vanguard Small Cap Value ETF	(\$0.25B)	\$0.24B	(\$0.05B)	\$1.08B	\$24.12B
VBK	Vanguard Small-Cap Growth ETF	(\$0.21B)	\$0.20B	\$0.46B	\$0.92B	\$13.33B
IWN	iShares Russell 2000 Value ETF	(\$0.11B)	(\$0.47B)	(\$0.79B)	(\$1.05B)	\$10.50B

* 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)
XLC	Communication Services Select Sector SPDR Fund	-4.64%	44.51%	-1.99%	9.67%	40.28
XLE	Energy Select Sector SPDR Fund	-5.07%	16.61%	1.20%	5.39%	46.78
SPY	SPDR S&P 500 ETF Trust	-5.98%	20.71%	-3.66%	2.72%	31.55
XLV	Health Care Select Sector SPDR Fund	-7.10%	6.81%	-2.52%	-1.42%	33.89
XLI	Industrial Select Sector SPDR Fund	-8.09%	20.12%	-5.32%	-0.77%	26.33
XLB	Materials Select Sector SPDR Fund	-8.57%	14.95%	-5.05%	-3.02%	29.01
XLK	Technology Select Sector SPDR Fund	-8.79%	41.05%	-4.48%	6.85%	34.77
XLF	Financial Select Sector SPDR Fund	-9.03%	11.13%	-2.87%	-0.91%	34.81
XLY	Consumer Discretionary Select Sector SPDR Fund	-9.06%	27.46%	-5.06%	4.66%	33.49
XLP	Consumer Staples Select Sector SPDR Fund	-9.50%	5.47%	-4.46%	-5.18%	31.06
XLU	Utilities Select Sector SPDR Fund	-12.91%	2.88%	-1.90%	-5.41%	45.02
XLRE	Real Estate Select Sector SPDR Fund	-17.36%	2.37%	-6.77%	-7.81%	27.04

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XSD	SPDR S&P Semiconductor ETF	1.21%
XME	SPDR S&P Metals & Mining ETF	0.96%
MORT	VanEck Mortgage REIT Income ETF	0.96%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.88%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	0.84%
SOXX	iShares Semiconductor ETF	0.83%
SOXQ	Invesco PHLX Semiconductor ETF	0.80%
MLPX	Global X MLP & Energy Infrastructure ETF	0.78%
REM	iShares Mortgage Real Estate ETF	0.77%
ENFR	Alerian Energy Infrastructure ETF	0.77%

Sector & Industry Most Overbought

Ticker	Fund	Value
KBWP	Invesco KBW Property & Casualty Insurance ETF	64.39
IAK	iShares U.S. Insurance ETF	62.79
AMLP	Alerian MLP ETF	58.79
MLPA	Global X MLP ETF	58.37
KIE	SPDR S&P Insurance ETF	58.22
BIZD	VanEck BDC Income ETF	56.60
ENFR	Alerian Energy Infrastructure ETF	50.88
MLPX	Global X MLP & Energy Infrastructure ETF	50.11
XES	SPDR S&P Oil & Gas Equipment & Services ETF	49.32
VDE	Vanguard Energy ETF	48.74

Sector & Industry 1 Day Performance Laggards

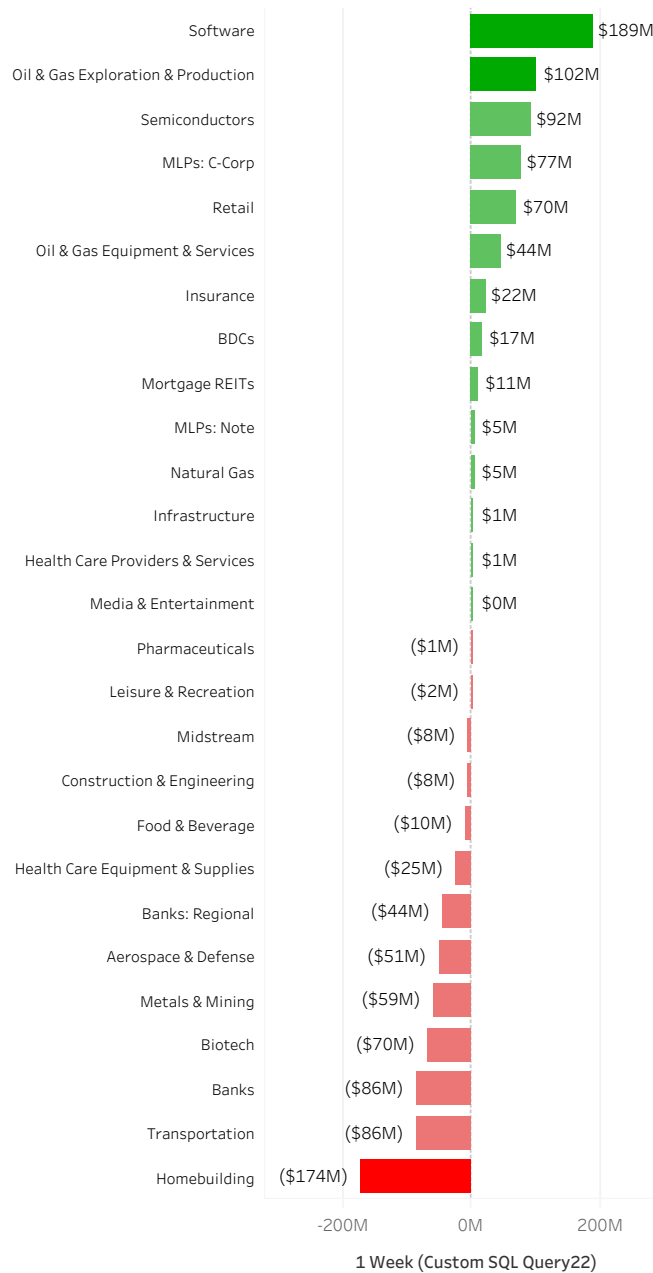
Ticker	Fund	1 Day Performance
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-1.33%
KBWB	Invesco KBW Bank ETF	-1.28%
FXG	First Trust Consumer Staples AlphaDEX Fund	-1.18%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-1.12%
FTXO	First Trust Nasdaq Bank ETF	-1.12%
PEJ	Invesco Leisure and Entertainment ETF	-1.12%
JPRE	JPMorgan Realty Income ETF	-1.02%
NURE	Nuveen Short-Term REIT ETF	-1.01%
XBI	SPDR S&P BIOTECH ETF	-1.00%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-0.99%

Sector & Industry Most Oversold

Ticker	Fund	Value
XHS	SPDR S&P Health Care Services ETF	21.02
XHE	SPDR S&P Health Care Equipment ETF	21.08
PSCH	Invesco S&P SmallCap Health Care ETF	21.40
ITA	iShares U.S. Aerospace & Defense ETF	22.13
SZNE	Pacer CFRA-StoVal Equal Weight Seasonal Rotation ETF	22.73
XAR	SPDR S&P Aerospace & Defense ETF	22.93
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	23.05
XBI	SPDR S&P BIOTECH ETF	23.16
FXH	First Trust Health Care AlphaDEX Fund	23.50
PJP	Invesco Pharmaceuticals ETF	23.89

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

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$18B	(\$157M)	\$823M	\$2,710M	\$2,797M
Consumer Discretionary	12	\$27B	\$119M	\$1,790M	\$3,407M	\$2,990M
Consumer Staples	10	\$28B	\$21M	(\$1,008M)	(\$454M)	\$822M
Energy	31	\$74B	\$276M	\$1,797M	(\$4,388M)	(\$6,897M)
Financials	26	\$55B	(\$685M)	(\$2,085M)	(\$1,874M)	(\$653M)
Health Care	23	\$86B	(\$395M)	(\$2,252M)	(\$2,823M)	(\$3,443M)
Industrial	13	\$33B	(\$69M)	\$1,136M	\$888M	\$2,665M
Materials	9	\$12B	(\$311M)	(\$616M)	(\$1,938M)	(\$1,793M)
Multi-Sector	18	\$18B	(\$192M)	\$1,202M	\$2,548M	\$2,216M
Real Estate	25	\$52B	(\$82M)	\$497M	(\$1,266M)	(\$4,014M)
Technology	23	\$145B	\$130M	\$432M	\$1,213M	\$3,291M
Utilities	9	\$23B	(\$41M)	(\$692M)	(\$237M)	(\$1,210M)

U.S. Sector & Industry Flow Leaders

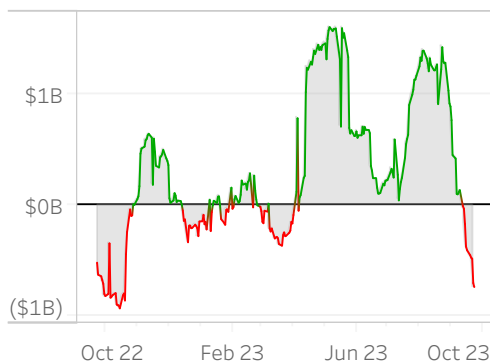
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$190M	\$234M	\$388M	\$1,319M	\$6,442M
XLE	Energy Select Sector SPDR Fund	\$159M	\$1,052M	(\$2,280M)	(\$2,415M)	\$38,126M
SOXX	iShares Semiconductor ETF	\$120M	\$325M	\$200M	\$312M	\$8,295M
KCE	SPDR S&P Capital Markets ETF	\$101M	\$175M	\$200M	\$204M	\$320M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$84M	(\$133M)	(\$507M)	(\$753M)	\$3,652M
XLI	Industrial Select Sector SPDR Fund	\$83M	\$743M	\$748M	\$679M	\$14,745M
XLP	Consumer Staples Select Sector SPDR Fund	\$79M	\$39M	\$579M	\$1,566M	\$16,765M
AMLP	Alerian MLP ETF	\$78M	\$222M	\$108M	\$97M	\$7,123M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$75M	\$1,452M	\$2,351M	\$1,736M	\$17,993M
XRT	SPDR S&P Retail ETF	\$70M	(\$28M)	\$81M	\$166M	\$407M

U.S. Sector & Industry Flow Laggards

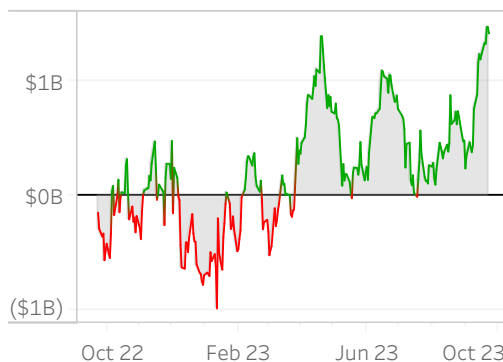
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$699M)	(\$1,964M)	(\$826M)	\$62M	\$30,875M
XLB	Materials Select Sector SPDR Fund	(\$246M)	(\$381M)	(\$143M)	(\$385M)	\$5,164M
XLV	Health Care Select Sector SPDR Fund	(\$242M)	(\$1,448M)	(\$173M)	(\$323M)	\$38,747M
XLC	Communication Services Select Sector SPDR Fu..	(\$159M)	\$465M	\$2,339M	\$2,545M	\$13,404M
XLK	Technology Select Sector SPDR Fund	(\$143M)	\$386M	(\$181M)	(\$1,544M)	\$47,438M
IBB	iShares Biotechnology ETF	(\$106M)	(\$258M)	(\$677M)	(\$818M)	\$7,113M
ITB	iShares U.S. Home Construction ETF	(\$100M)	(\$131M)	\$242M	\$228M	\$2,008M
VNQ	Vanguard Real Estate ETF	(\$94M)	\$516M	(\$673M)	(\$1,977M)	\$30,400M
FXN	First Trust Energy AlphaDEX Fund	(\$91M)	(\$9M)	(\$220M)	(\$1,156M)	\$585M
IYT	iShares US Transportation ETF	(\$83M)	\$62M	\$121M	\$123M	\$955M

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

Communication Services



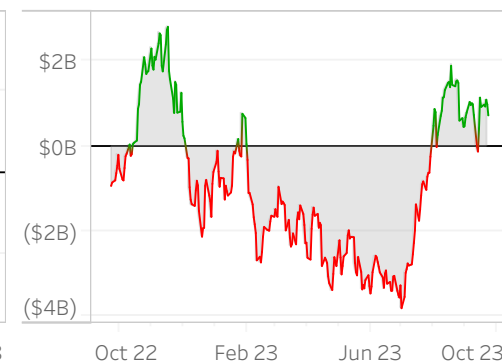
Consumer Discretionary



Consumer Staples



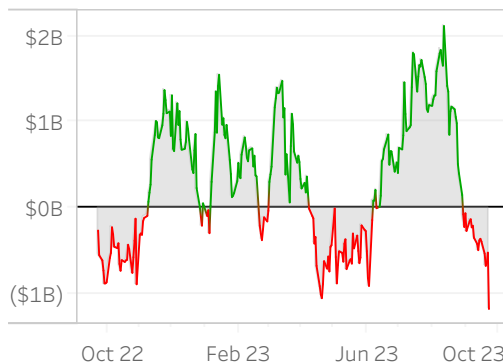
Energy



Financials



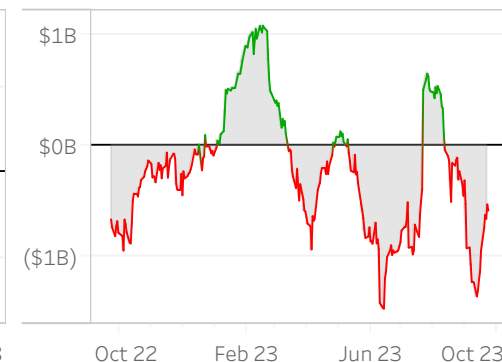
Industrial



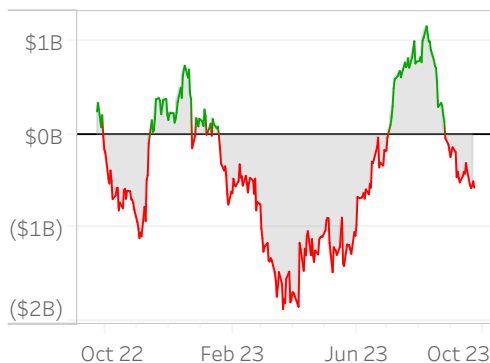
Health Care



Materials



Real Estate



Technology



Utilities

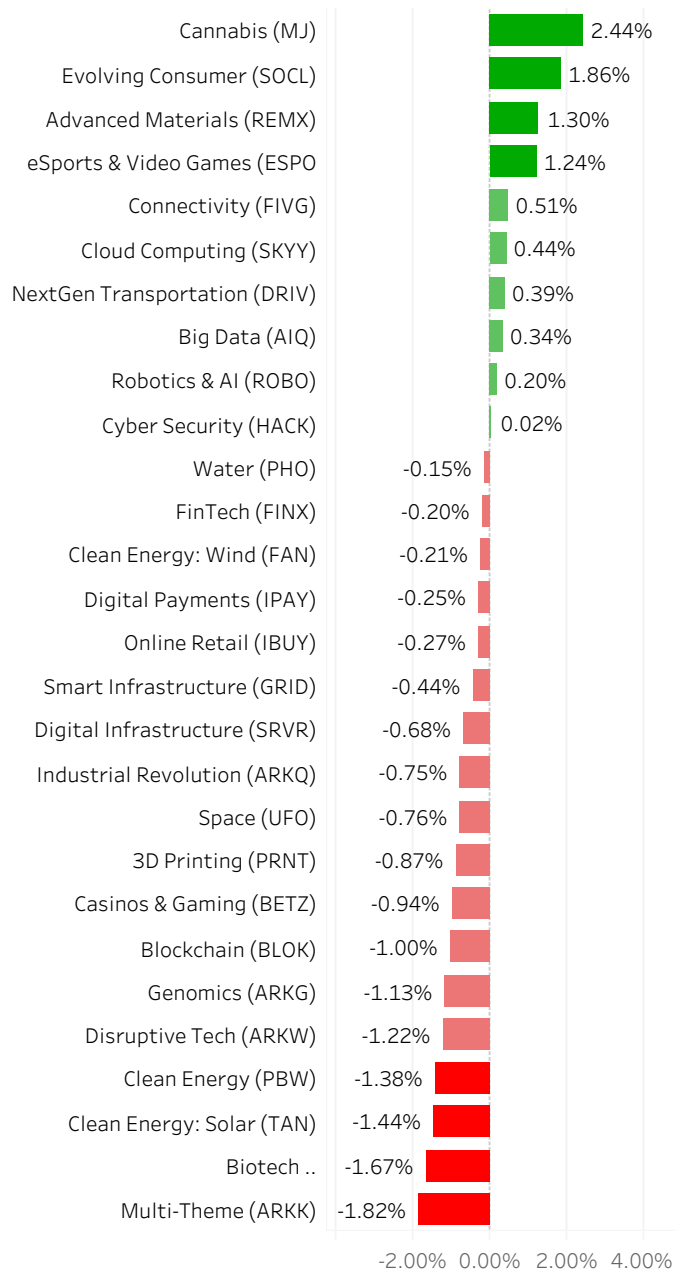


Multi-Sector

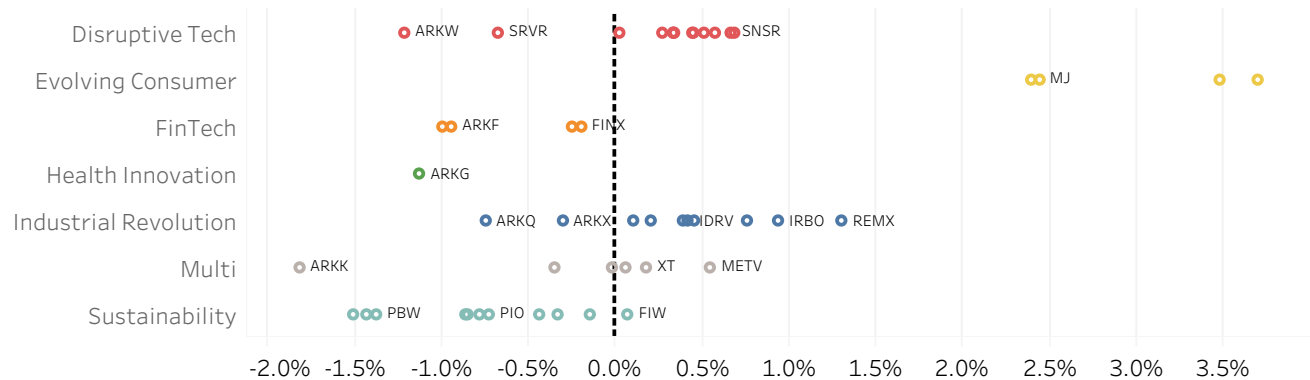


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KWEB	KraneShares CSI China Internet ETF	3.69%
MSOS	AdvisorShares Pure US Cannabis ETF	3.47%
MJ	ETFMG Alternative Harvest ETF	2.44%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	2.39%
KGRN	KraneShares MSCI China Clean Technology Index ETF	2.00%
SOCL	Global X Social Media ETF	1.86%
MJUS	ETFMG U.S. Alternative Harvest ETF	1.66%
HERO	Global X Video Games & Esports ETF	1.31%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.30%
ESPO	VanEck Video Gaming and eSports ETF	1.24%

Thematic Most Overbought

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	58.43
MJUS	ETFMG U.S. Alternative Harvest ETF	54.72
MJ	ETFMG Alternative Harvest ETF	51.58
KWEB	KraneShares CSI China Internet ETF	45.57
BUG	Global X Cybersecurity ETF	45.33
IHAK	iShares Cybersecurity & Tech ETF	44.26
HACK	ETFMG Prime Cyber Security ETF	43.64
CIBR	First Trust NASDAQ Cybersecurity ETF	41.08
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	40.57
SOCL	Global X Social Media ETF	39.59

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-3.37%
BKCH	Global X Blockchain ETF	-3.29%
ARKK	ARK Innovation ETF	-1.82%
SBIO	ALPS Medical Breakthroughs ETF	-1.67%
ACES	ALPS Clean Energy ETF	-1.51%
TAN	Invesco Solar ETF	-1.44%
PBW	Invesco WilderHill Clean Energy ETF	-1.38%
GNOM	Global X Genomics & Biotechnology ETF	-1.26%
ARKW	ARK Next Generation Internet ETF	-1.22%
ARKG	ARK Genomic Revolution ETF	-1.13%

Thematic Most Oversold

Ticker	Fund	Price
EDOC	Global X Telemedicine & Digital Health ETF Registered	18.25
PAWZ	ProShares Pet Care ETF	19.43
HTEC	ROBO Global Healthcare Technology and Innovation ETF	19.81
GDOC	Goldman Sachs Future Health Care Equity ETF	21.53
ARKG	ARK Genomic Revolution ETF	23.21
SBIO	ALPS Medical Breakthroughs ETF	23.42
EVX	VanEck Environmental Services ETF	23.65
GNOM	Global X Genomics & Biotechnology ETF	23.78
ROBO	ROBO Global Robotics & Automation Index ETF	24.48
PBW	Invesco WilderHill Clean Energy ETF	24.73

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

Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
AIQ	Global X Artificial Intelligence & Technology ETF	\$7M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
THNQ	ROBO Global Artificial Intelligence ETF	\$3M
TARK	AXS 2X Innovation ETF	\$2M
MSOS	AdvisorShares Pure US Cannabis ETF	\$2M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$2M
FMIL	Fidelity New Millennium ETF	\$2M
INQQ	India Internet & Ecommerce ETF	\$1M
DGIN	VanEck Digital India ETF	\$1M

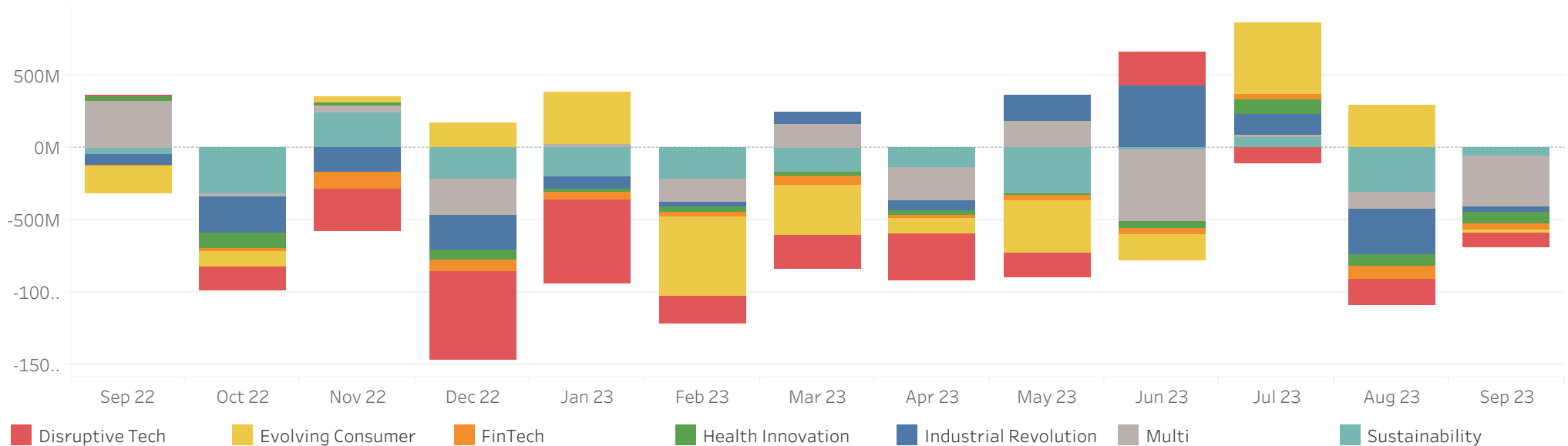
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$138M)
SKYY	First Trust Cloud Computing ETF	(\$19M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$18M)
ESPO	VanEck Video Gaming and eSports ETF	(\$10M)
BUG	Global X Cybersecurity ETF	(\$9M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$9M)
HTEC	ROBO Global Healthcare Technology and Innovation ETF	(\$8M)
ARKW	ARK Next Generation Internet ETF	(\$8M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$8M)
WCLD	WisdomTree Cloud Computing Fund	(\$7M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$16B	(\$70M)	(\$431M)	(\$700M)	(\$2,721M)
Evolving Consumer	40	\$9B	(\$18M)	\$720M	\$128M	(\$505M)
FinTech	17	\$2B	(\$5M)	(\$104M)	(\$194M)	(\$552M)
Health Innovation	18	\$3B	(\$8M)	(\$39M)	(\$208M)	(\$417M)
Industrial Revolution	30	\$10B	(\$18M)	(\$201M)	\$394M	(\$413M)
Multi	38	\$14B	(\$112M)	(\$466M)	(\$900M)	(\$892M)
Sustainability	40	\$14B	(\$6M)	(\$332M)	(\$820M)	(\$1,712M)
Grand Total	217	\$67B	(\$238M)	(\$853M)	(\$2,301M)	(\$7,212M)

Thematic Monthly Flows

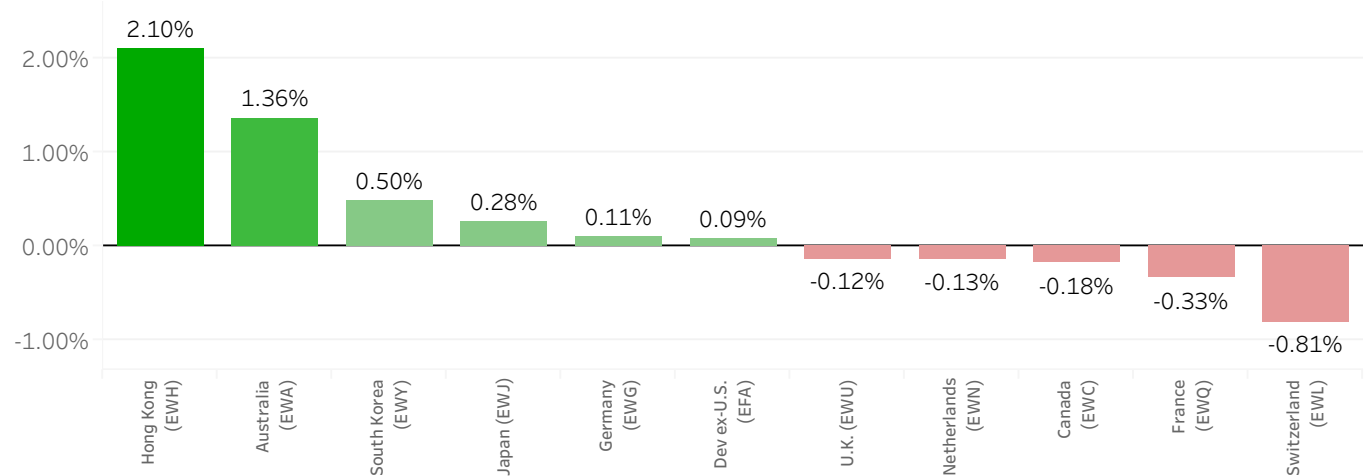


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



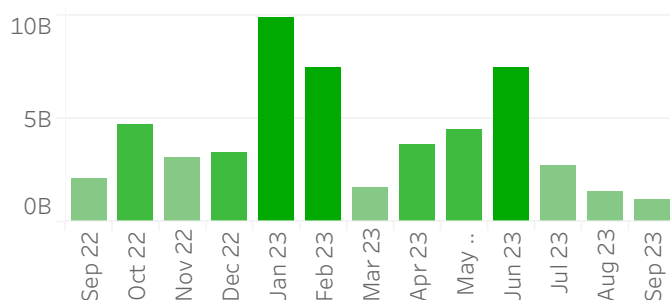
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	2.19%
EWH	iShares MSCI Hong Kong ETF	2.10%
AIA	iShares Asia 50 ETF	1.98%
MINV	Matthews Asia Innovators Active ETF	1.82%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.56%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan ETF	1.39%
EWA	iShares MSCI Australia ETF	1.36%
EPP	iShares MSCI Pacific ex-Japan ETF	1.32%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	1.11%
ENZL	iShares MSCI New Zealand ETF	1.02%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWJV	iShares MSCI Japan Value ETF	63.44
DXJ	WisdomTree Japan Hedged Equity Fund	62.71
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	60.24
FJP	First Trust Japan AlphaDEX Fund	58.34
FLJH	Franklin FTSE Japan Hedged ETF	56.36
HEWJ	iShares Currency Hedged MSCI Japan ETF	56.20
LVHI	Franklin International Low Volatility High Dividend Index ..	56.17
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	55.69
NORW	Global X MSCI Norway ETF	54.95
DFJ	WisdomTree Japan SmallCap Dividend Fund	53.42

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWL	iShares MSCI Switzerland ETF	-0.81%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.70%
EWI	iShares MSCI Italy ETF	-0.58%
EWP	iShares MSCI Spain ETF	-0.57%
IEUS	iShares MSCI Europe Small-Cap ETF	-0.56%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.54%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.51%
EIRL	iShares MSCI Ireland ETF	-0.49%
FEP	First Trust Europe AlphaDEX Fund	-0.47%
EUDG	WisdomTree Europe Quality Dividend Growth Fund	-0.38%

Developed ex-U.S. Most Oversold

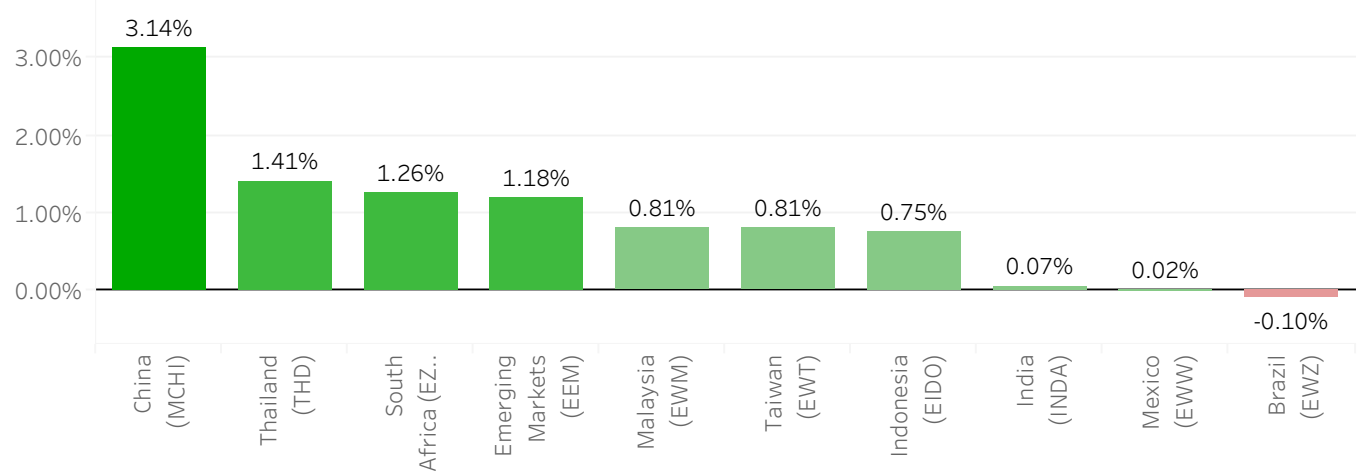
Ticker	Fund	Value
EWN	iShares MSCI Netherlands ETF	25.94
BKCI	BNY Mellon Concentrated International ETF	28.65
FSZ	First Trust Switzerland AlphaDEX Fund	29.34
EFG	iShares MSCI EAFE Growth ETF	29.83
FICS	First Trust International Developed Capital Strengt..	30.72
EFAD	ProShares MSCI EAFE Dividend Growers ETF	31.32
PIZ	Invesco Dorsey Wright Developed Markets Moment..	32.01
TOK	iShares MSCI Kokusai ETF	32.43
DAX	Global X DAX Germany ETF	33.13
IQDG	WisdomTree International Quality Dividend Growth ..	33.14

*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)



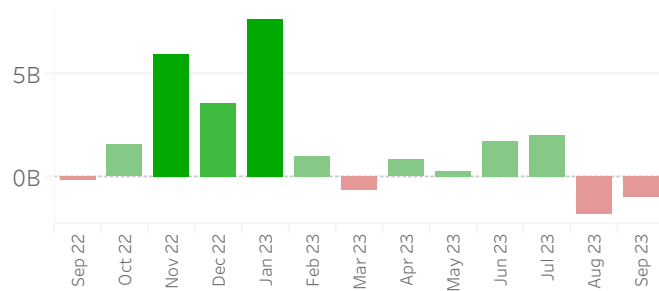
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.58%
FXI	iShares China Large-Cap ETF	3.55%
MCHI	iShares MSCI China ETF	3.14%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	3.09%
FLCH	Franklin FTSE China ETF	2.97%
PGJ	Invesco Golden Dragon China ETF	2.94%
GXC	SPDR S&P China ETF	2.91%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	2.59%
CNYA	iShares MSCI China A ETF	2.36%
DVYE	iShares Emerging Markets Dividend ETF	2.17%

Emerging Most Overbought

Ticker	Fund	Price
DVYE	iShares Emerging Markets Dividend ETF	58.16
GLIN	VanEck India Growth Leaders ETF	54.89
TUR	iShares MSCI Turkey ETF	54.45
DEM	WisdomTree Emerging Markets High Dividend Fund	51.11
NFTY	First Trust India NIFTY 50 Equal Weight ETF	50.08
EPI	WisdomTree India Earnings Fund	49.98
EIDO	iShares MSCI Indonesia ETF	49.73
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	49.30
INDA	iShares MSCI India ETF	49.26
EWM	iShares MSCI Malaysia ETF	49.19

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	-1.06%
FLN	First Trust Latin America AlphaDEX Fund	-1.06%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.73%
PIN	Invesco India ETF	-0.34%
EPU	iShares MSCI Peru and Global Exposure ETF	-0.33%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.14%
ILF	iShares Latin America 40 ETF	-0.12%
EWZ	iShares MSCI Brazil ETF	-0.10%
FLIN	Franklin FTSE India ETF	0.00%
EWW	iShares MSCI Mexico ETF	0.02%

Emerging Most Oversold

Ticker	Fund	Price
KSA	iShares MSCI Saudi Arabia ETF	27.91
ECH	iShares MSCI Chile ETF	29.15
FRDM	Freedom 100 Emerging Markets ETF	30.70
ARGT	Global X MSCI Argentina ETF	32.67
EPU	iShares MSCI Peru and Global Exposure ETF	33.41
EELV	Invesco S&P Emerging Markets Low Volatility ETF	33.69
KWT	iShares MSCI Kuwait ETF	33.82
MEM	Matthews Emerging Markets Equity Active ETF	34.24
FM	iShares Frontier and Select EM ETF	34.30
EPOL	iShares MSCI Poland ETF	34.47

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

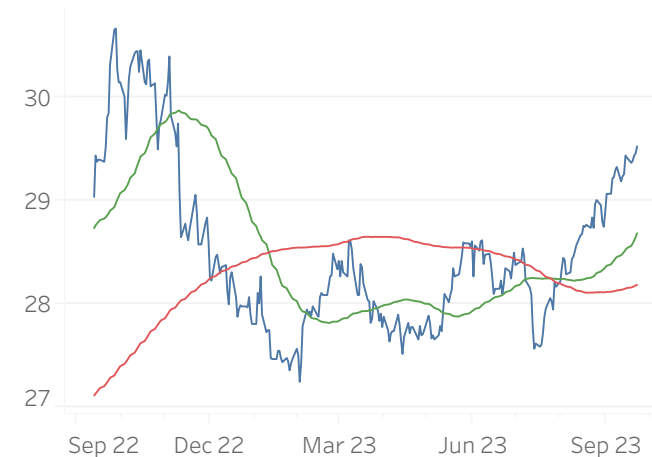
Fixed Income (AGG)



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	0.42%	0.07%	0.03%
SHY	1-3 Year Treasury Bonds	0.10%	0.28%	1.53%
IEF	7-10 Year Treasury Bonds	0.39%	-0.41%	-1.69%
TLT	20+ Year Treasury Bonds	0.80%	-1.63%	-6.18%
TIP	TIPS Bonds	0.35%	-0.04%	0.19%
FLOT	Floating Rate Bonds	0.08%	0.64%	4.80%
LQD	Investment Grade Corporate	0.61%	0.40%	1.15%
HYG	High Yield Corporate	0.18%	0.32%	4.53%
BKLN	Senior Loan	0.00%	1.29%	9.31%
PFF	Preferred & Income Securities	0.36%	1.57%	3.71%
MUB	Municipal Bonds	0.07%	-0.53%	0.27%
MBB	MBS	0.57%	0.19%	-0.71%
EMB	Dollar Denominated EM Bonds	0.41%	0.22%	2.36%
LEMB	Local Currency EM Bond	-0.07%	-2.41%	2.00%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.31%	3.16%	-3.03%
DBE	Energy	-0.30%	6.67%	4.63%
USO	WTI Crude Oil	0.27%	11.55%	15.01%
BNO	Brent Crude Oil	0.12%	11.87%	13.33%
UNG	Natural Gas	1.21%	-1.18%	-52.48%
UGA	Gasoline	-1.62%	0.61%	18.45%
DBP	Precious Metals	0.33%	1.26%	3.31%
GLD	Gold	0.32%	1.43%	5.29%
SLV	Silver	0.65%	0.56%	-2.00%
PPLT	abrdn Physical Platin..	0.82%	0.69%	-13.80%
PALL	abrdn Physical Palla..	-1.03%	-0.16%	-30.21%
DBB	Base Metals	1.03%	3.10%	-4.22%
CPER	Copper	0.04%	-2.02%	-1.08%
DBA	Agriculture	-0.18%	3.31%	8.49%
CORN	Corn	0.23%	0.14%	-18.46%
SOYB	Soybeans	0.11%	-2.64%	-4.35%
WEAT	Wheat	0.87%	-5.84%	-27.32%
CANE	Sugar	0.20%	14.26%	58.03%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.24%	2.39%	6.18%
UDN	Short Dollar	-0.15%	-1.70%	-0.22%
FXE	Euro	-0.19%	-1.72%	0.44%
FXB	British Pound Sterling	-0.49%	-3.58%	3.35%
FXF	Swiss Franc	-0.35%	-2.93%	1.63%
FXJ	Japanese Yen	-0.56%	-1.73%	-11.96%
FXC	Canadian Dollar	0.02%	0.77%	1.93%
FXA	Australian Dollar	0.40%	0.39%	-4.68%

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

Disclaimer of Warranties

Except for the express warranties set forth in the terms of service, all services, including all ETF Action materials, are provided on an “as is,” “where is” basis, and ETF Action and its licensors disclaim all representations or warranties, express or implied as to the services. ETF Action and its licensors specifically disclaim all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and all warranties arising from course of dealing, usage or trade practice. Without limiting the foregoing, ETF Action and its licensors make no warranty of any kind that the services or ETF Action materials, or any products or results of the use thereof, will meet customer’s or any other person’s requirements, operate without interruption, achieve any intended result, be compatible or work with any software, system or other services, or be secure, accurate, complete, timely, free of harmful code or error free. All third-party materials are provided “as is” and any representation or warranty of or concerning any third-party materials is strictly between customer and the third-party owner or distributor of the third-party materials.

Additional Disclaimers

The services are not intended and should not be construed as financial or investment advice, a recommendation or promotion. Neither ETF Action nor its licensors shall be responsible for investment decisions, damages, or other losses *resulting from use of the services*. *Past performance* does not guarantee future performance. Neither ETF Action nor its licensors shall be considered an “expert” under the securities act of 1933. Neither ETF Action nor its licensors warrant that the services comply with the requirements of the NASD or any similar organization or with the securities laws of any jurisdiction. Any information contained in the services should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Distribution prohibited without prior permission. Full terms of service, including terms of use, copyrights, and disclaimers are available at <https://www.etfaction.com/terms>.

© Copyright ETF Action, Inc. All Rights Reserved.

Data Reliability and Definitions

ETF Action, LLC believes the information herein to be accurate (at time of publication) and was obtained from reliable sources, but makes no guarantees with respect to its accuracy. Calculations of fundamental data are based on weighted averages of reported results and consensus estimates of current ETF constituents. Valuation data (price/earnings, price/sales, price/cash flow, price/book value) are calculated using per share data divided by current NAV of corresponding ETF. Performance, risk and technical data (moving averages, relative performance, RSI) calculated for specified periods using ETF market price which may differ from net asset value (NAV).

ETF Action Sector Beta Composites represent ETFs that meet stringent criteria surrounding index methodology, liquidity, assets under management, and management fee.

Source Data & ETF Issuer Information ..

ETF Action is an independent technology and research firm focused on helping advisors build better portfolios, create engaging experiences with their clients, and navigate the vast ETF landscape.

Contact us at:

team@etfaction.com

www.etfaction.com