

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

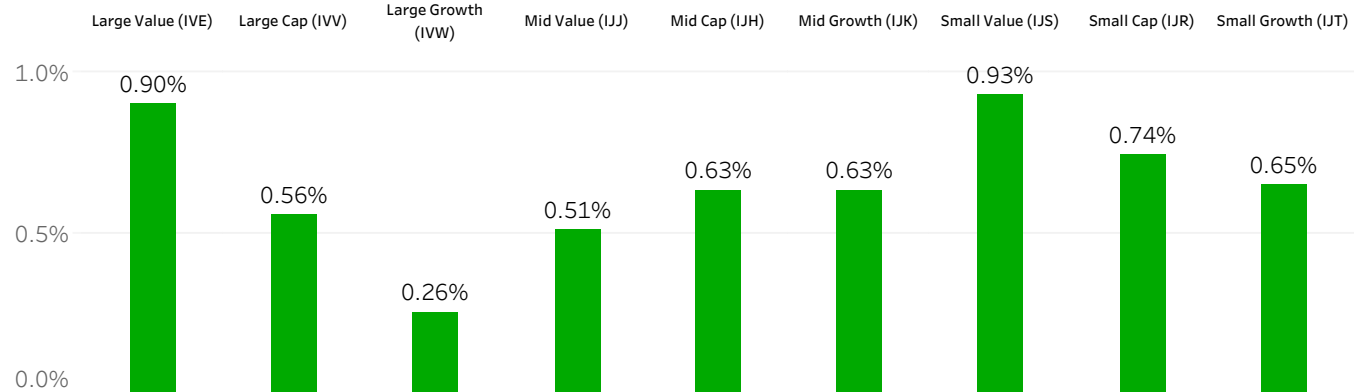


Small Cap Blend (S&P 600) IJR



■ 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
XVV	iShares ESG Screened S&P 500 ETF	2.43%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	2.25%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	2.19%
QVAL	Alpha Architect US Quantitative Value ETF	1.81%
SPDV	AAM S&P 500 High Dividend Value ETF	1.77%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	1.75%
SDOG	ALPS Sector Dividend Dogs ETF	1.72%
PEY	Invesco High Yield Equity Dividend Achievers ETF	1.63%
NUMV	Nuveen ESG Mid-Cap Value ETF	1.60%
HDV	iShares Core High Dividend ETF	1.57%

Size & Style Most Overbought

Ticker	Fund	Price
XVV	iShares ESG Screened S&P 500 ETF	81.52
SPMO	Invesco S&P 500 Momentum ETF	80.74
PWB	Invesco Large Cap Growth ETF	80.55
MTUM	iShares MSCI USA Momentum Factor ETF	80.34
XLQ	Invesco S&P 500 Top 50 ETF	78.05
FLQL	Franklin LibertyQ U.S. Equity ETF	77.85
SPYG	SPDR Portfolio S&P 500 Growth ETF	77.63
SPHQ	Invesco S&P 500 Quality ETF	77.59
WINN	Harbor Long-Term Growers ETF	77.46
SIXA	ETC 6 Meridian Mega Cap Equity ETF	77.33

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
LCG	Sterling Capital Focus Equity ETF	-0.25%
RUFF	Alpha Dog ETF	-0.24%
WINN	Harbor Long-Term Growers ETF	-0.14%
QQH	HCM Defender 100 Index ETF	-0.04%
VEGN	US Vegan Climate ETF	-0.04%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.02%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	0.00%
SCHG	Schwab U.S. Large-Cap Growth ETF	0.03%
JSML	Janus Henderson Small Cap Growth Alpha ETF	0.04%
BUZZ	VanEck Social Sentiment ETF	0.06%

Size & Style Most Oversold

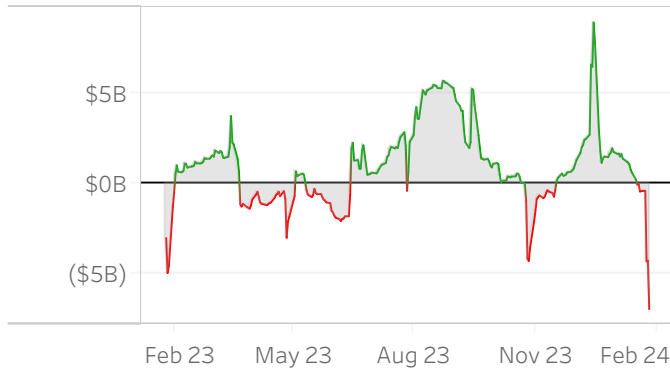
Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	35.60
IPO	Renaissance IPO ETF	42.36
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	47.58
PEY	Invesco High Yield Equity Dividend Achievers ETF	49.52
DURA	VanEck Durable High Dividend ETF	49.74
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	49.94
CSB	VictoryShares US Small Cap High Dividend Volatility ..	50.02
SMDV	ProShares Russell 2000 Dividend Growers ETF	50.70
CSD	Invesco S&P Spin-Off ETF	51.21
BUZZ	VanEck Social Sentiment ETF	51.22

*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	\$1,726B	\$12.21B	\$90.56B	\$117.60B	\$167.21B
Large Cap, Beta, Beta: Growth	10	\$333B	\$0.65B	\$8.05B	\$14.75B	\$19.00B
Large Cap, Beta, Beta: Value	11	\$238B	(\$0.56B)	\$2.19B	\$3.38B	(\$3.07B)
Mid Cap, Beta, Beta	10	\$208B	\$0.21B	\$0.60B	\$4.74B	\$7.17B
Mid Cap, Beta, Beta: Growth	6	\$39B	(\$0.06B)	\$0.70B	\$0.43B	\$1.35B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.17B)	(\$0.13B)	(\$0.72B)	(\$2.40B)
Small Cap, Beta, Beta	11	\$224B	(\$0.67B)	\$11.21B	\$12.32B	\$18.22B
Small Cap, Beta, Beta: Growth	7	\$36B	(\$0.10B)	\$1.24B	\$1.25B	\$1.40B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.40B)	\$0.29B	(\$0.55B)	(\$1.52B)

U.S. Size & Style Flow Leaders

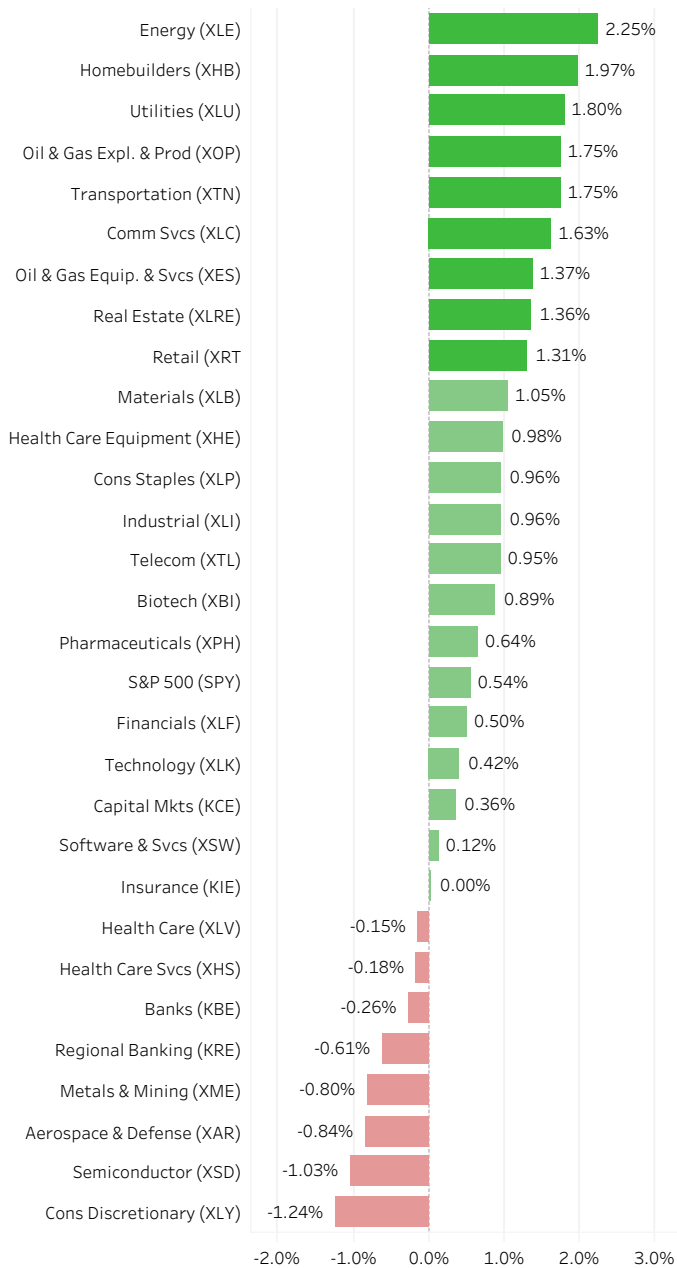
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$5.54B	\$34.19B	\$28.37B	\$29.01B	\$485.85B
QQQ	Invesco QQQ Trust Series I	\$3.84B	\$7.46B	\$8.46B	\$17.66B	\$245.31B
VOO	Vanguard S&P 500 ETF	\$1.75B	\$18.32B	\$26.76B	\$50.00B	\$388.79B
VTI	Vanguard Total Stock Market ETF	\$0.54B	\$8.26B	\$12.92B	\$22.23B	\$355.46B
QQQM	Invesco NASDAQ 100 ETF	\$0.49B	\$3.25B	\$4.75B	\$9.99B	\$21.10B
IJR	iShares Core S&P Small Cap ETF	\$0.40B	\$2.06B	\$2.53B	\$3.64B	\$75.90B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ..	\$0.36B	\$2.45B	\$4.31B	\$7.21B	\$9.42B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.30B	\$4.43B	\$5.87B	\$7.83B	\$27.36B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.25B	\$1.07B	\$1.81B	\$4.38B	\$24.81B
CALF	Pacer US Small Cap Cash Cows 100 ETF	\$0.24B	\$2.76B	\$3.93B	\$4.92B	\$7.38B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.14B)	\$5.96B	\$5.11B	\$5.65B	\$61.76B
RSP	Invesco S&P 500 Equal Weight ETF	(\$1.07B)	\$4.92B	\$4.51B	\$10.86B	\$48.31B
IWD	iShares Russell 1000 Value ETF	(\$0.49B)	(\$0.59B)	(\$0.83B)	(\$3.96B)	\$51.71B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.39B)	(\$0.01B)	(\$0.09B)	(\$0.34B)	\$6.97B
SUSA	iShares MSCI USA ESG Select ETF	(\$0.31B)	(\$1.76B)	(\$0.76B)	(\$0.44B)	\$3.55B
LCTU	BlackRock U.S. Carbon Transition Readiness E..	(\$0.18B)	(\$0.33B)	(\$0.39B)	(\$0.34B)	\$1.36B
MDYV	SPDR S&P 400 Mid Cap Value ETF	(\$0.13B)	\$0.43B	\$0.40B	\$0.25B	\$2.74B
IWV	iShares Russell 3000 ETF	(\$0.12B)	\$0.29B	\$0.23B	(\$0.21B)	\$12.77B
VIG	Vanguard Dividend Appreciation ETF	(\$0.12B)	\$0.06B	\$0.77B	\$0.73B	\$73.98B
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	(\$0.11B)	\$0.54B	\$0.94B	\$4.03B	\$9.47B

* 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)
SPY	SPDR S&P 500 ETF Trust	0.00%	26.64%	4.18%	10.29%	73.29
XLC	Communication Services Select Sector SPDR Fund	0.00%	48.16%	7.45%	15.94%	79.35
XLF	Financial Select Sector SPDR Fund	0.00%	24.31%	4.31%	12.01%	71.09
XLK	Technology Select Sector SPDR Fund	0.00%	50.61%	7.48%	18.00%	78.73
XLI	Industrial Select Sector SPDR Fund	-0.46%	17.80%	2.65%	7.83%	60.40
XLV	Health Care Select Sector SPDR Fund	-1.77%	12.46%	2.37%	4.76%	53.39
XLB	Materials Select Sector SPDR Fund	-4.33%	10.77%	-0.88%	2.03%	44.56
XLRE	Real Estate Select Sector SPDR Fund	-4.54%	20.10%	0.06%	4.96%	46.86
XLY	Consumer Discretionary Select Sector SPDR Fund	-5.79%	23.66%	-1.83%	3.59%	38.94
XLP	Consumer Staples Select Sector SPDR Fund	-6.74%	9.15%	1.27%	-0.01%	53.42
XLE	Energy Select Sector SPDR Fund	-10.42%	9.19%	0.21%	-1.01%	55.48
XLU	Utilities Select Sector SPDR Fund	-12.78%	8.61%	-3.15%	-4.40%	39.59

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLE	Energy Select Sector SPDR Fund	2.25%
ITB	iShares U.S. Home Construction ETF	2.20%
IYE	iShares U.S. Energy ETF	2.05%
RSPG	Invesco S&P 500 Equal Weight Energy ETF	2.04%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	2.00%
VDE	Vanguard Energy ETF	2.00%
PKB	Invesco Building & Construction ETF	1.98%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	1.98%
XHB	SPDR S&P Homebuilders ETF	1.97%
FENY	Fidelity MSCI Energy Index ETF	1.91%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IAK	iShares U.S. Insurance ETF	81.15
IGM	iShares Expanded Tech Sector ETF	80.33
KBWP	Invesco KBW Property & Casualty Insurance ETF	80.10
IETC	iShares U.S. Tech Independence Focused ETF	79.91
IGPT	Invesco AI and Next Gen Software ETF	79.82
XLC	Communication Services Select Sector SPDR Fund	79.35
XNTK	SPDR NYSE Technology ETF	79.04
IYW	iShares U.S. Technology ETF	78.83
XLK	Technology Select Sector SPDR Fund	78.73
VOX	Vanguard Communication Services ETF	77.97

Sector & Industry 1 Day Performance Laggards

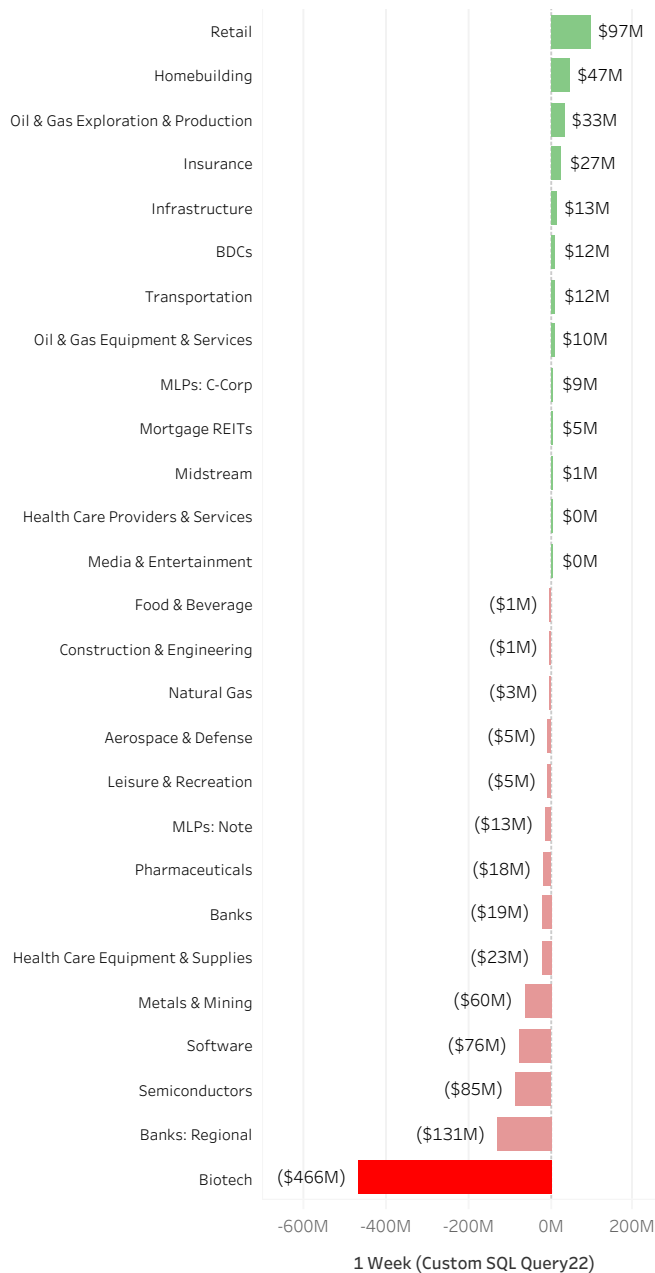
Ticker	Fund	1 Day Performance
IHF	iShares U.S. Healthcare Providers ETF	-1.43%
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.24%
XSD	SPDR S&P Semiconductor ETF	-1.03%
KBWR	Invesco KBW Regional Banking ETF	-0.93%
ITA	iShares U.S. Aerospace & Defense ETF	-0.90%
XAR	SPDR S&P Aerospace & Defense ETF	-0.84%
XME	SPDR S&P Metals & Mining ETF	-0.80%
VCR	Vanguard Consumer Discretionary ETF	-0.76%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	-0.74%
KRE	SPDR S&P Regional Banking ETF	-0.61%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHF	iShares U.S. Healthcare Providers ETF	36.91
XLY	Consumer Discretionary Select Sector SPDR Fund	38.94
FXU	First Trust Utilities AlphaDEX Fund	39.43
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	39.47
VPU	Vanguard Utilities ETF	39.52
XLU	Utilities Select Sector SPDR Fund	39.59
FUTY	Fidelity MSCI Utilities Index ETF	40.08
FTXG	First Trust Nasdaq Food & Beverage ETF	40.09
KBWY	Invesco KBW Premium Yield Equity REIT ETF	40.76
IDU	iShares U.S. Utilities ETF	41.22

* 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	\$22B	\$39M	\$657M	\$732M	\$3,537M
Consumer Discretionary	12	\$28B	\$415M	\$990M	\$912M	\$3,015M
Consumer Staples	10	\$25B	(\$453M)	(\$2,761M)	(\$4,886M)	(\$4,192M)
Energy	30	\$69B	(\$16M)	(\$2,822M)	\$1,254M	(\$8,047M)
Financials	26	\$64B	\$370M	\$3,038M	(\$2,957M)	\$1,744M
Health Care	23	\$89B	(\$358M)	(\$2,030M)	(\$4,881M)	(\$8,736M)
Industrial	13	\$36B	(\$161M)	\$35M	(\$801M)	\$1,258M
Materials	9	\$12B	(\$152M)	(\$839M)	(\$2,312M)	(\$3,033M)
Multi-Sector	16	\$20B	\$74M	\$154M	(\$599M)	\$2,422M
Real Estate	25	\$59B	\$19M	\$2,175M	\$1,749M	(\$615M)
Technology	23	\$187B	\$722M	\$6,314M	\$8,515M	\$8,568M
Utilities	9	\$20B	(\$356M)	(\$641M)	(\$1,829M)	(\$1,958M)

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$777M	\$1,671M	(\$2,305M)	\$1,275M	\$35,963M
XLK	Technology Select Sector SPDR Fund	\$618M	\$3,203M	\$3,322M	\$1,976M	\$62,465M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$305M	\$991M	\$1,060M	\$1,657M	\$18,597M
VGT	Vanguard Information Technology ETF	\$217M	\$1,375M	\$1,882M	\$826M	\$62,539M
XLV	Health Care Select Sector SPDR Fund	\$185M	(\$788M)	(\$1,898M)	(\$2,832M)	\$39,499M
XHB	SPDR S&P Homebuilders ETF	\$103M	\$116M	(\$96M)	\$224M	\$1,584M
XRT	SPDR S&P Retail ETF	\$97M	\$154M	\$63M	\$128M	\$484M
FTEC	Fidelity MSCI Information Technology Index ETF	\$60M	\$288M	\$373M	\$758M	\$8,798M
XLC	Communication Services Select Sector SPDR Fu..	\$55M	\$871M	\$753M	\$3,258M	\$16,823M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$33M	\$132M	(\$131M)	(\$490M)	\$3,469M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	(\$408M)	(\$364M)	(\$481M)	(\$1,451M)	\$6,460M
XLP	Consumer Staples Select Sector SPDR Fund	(\$384M)	(\$1,801M)	(\$2,256M)	(\$1,672M)	\$14,887M
XLU	Utilities Select Sector SPDR Fund	(\$317M)	(\$180M)	(\$828M)	(\$568M)	\$13,234M
VFH	Vanguard Financials ETF	(\$297M)	(\$123M)	(\$786M)	(\$720M)	\$8,863M
XLI	Industrial Select Sector SPDR Fund	(\$152M)	(\$289M)	(\$862M)	(\$191M)	\$15,386M
SOXX	iShares Semiconductor ETF	(\$123M)	\$199M	\$614M	\$643M	\$11,336M
KRE	SPDR S&P Regional Banking ETF	(\$119M)	\$341M	(\$305M)	\$1,264M	\$3,533M
IGV	iShares Expanded Tech-Software Sector ETF	(\$85M)	\$470M	(\$360M)	\$292M	\$7,570M
IBB	iShares Biotechnology ETF	(\$68M)	(\$111M)	(\$508M)	(\$1,395M)	\$7,421M
XME	SPDR S&P Metals & Mining ETF	(\$60M)	(\$67M)	(\$299M)	(\$750M)	\$1,752M

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

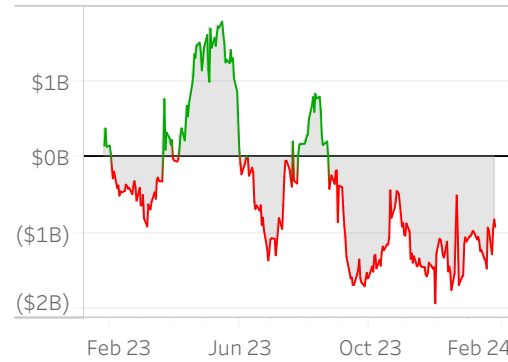
Communication Services



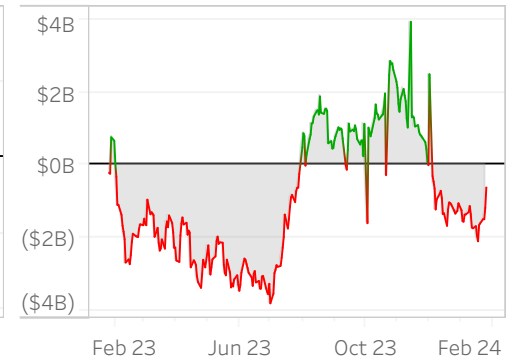
Consumer Discretionary



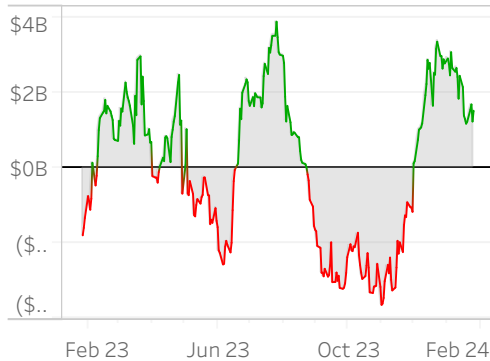
Consumer Staples



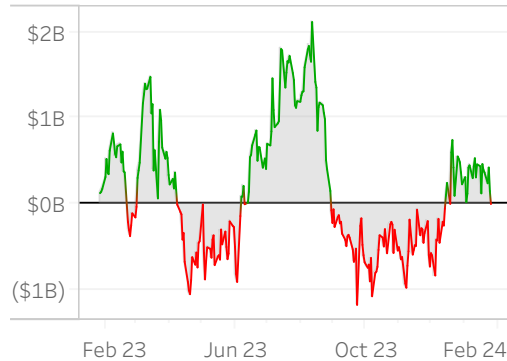
Energy



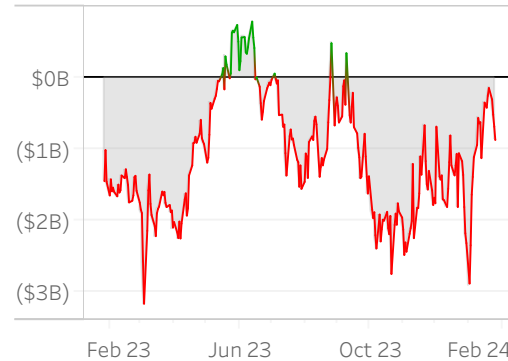
Financials



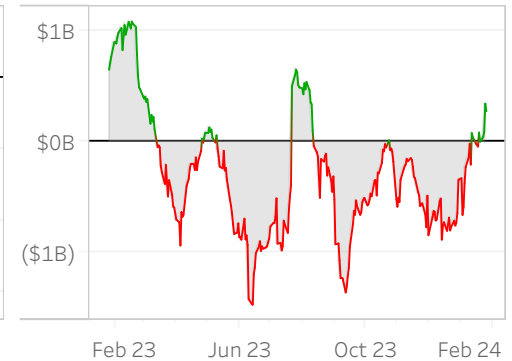
Industrial



Health Care



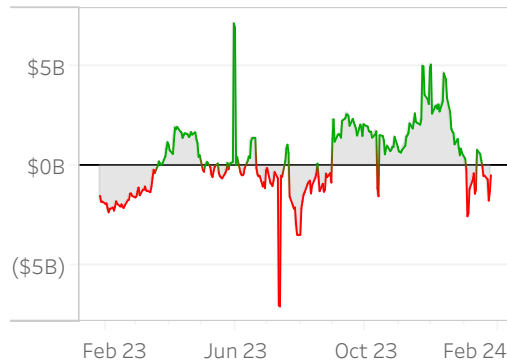
Materials



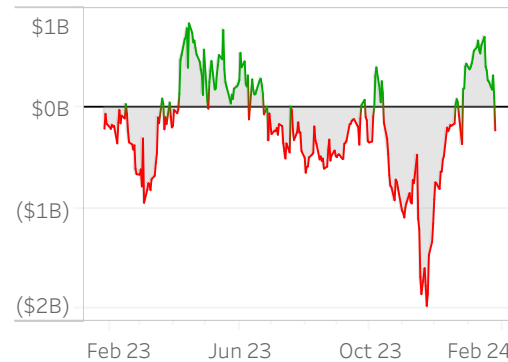
Real Estate



Technology



Utilities

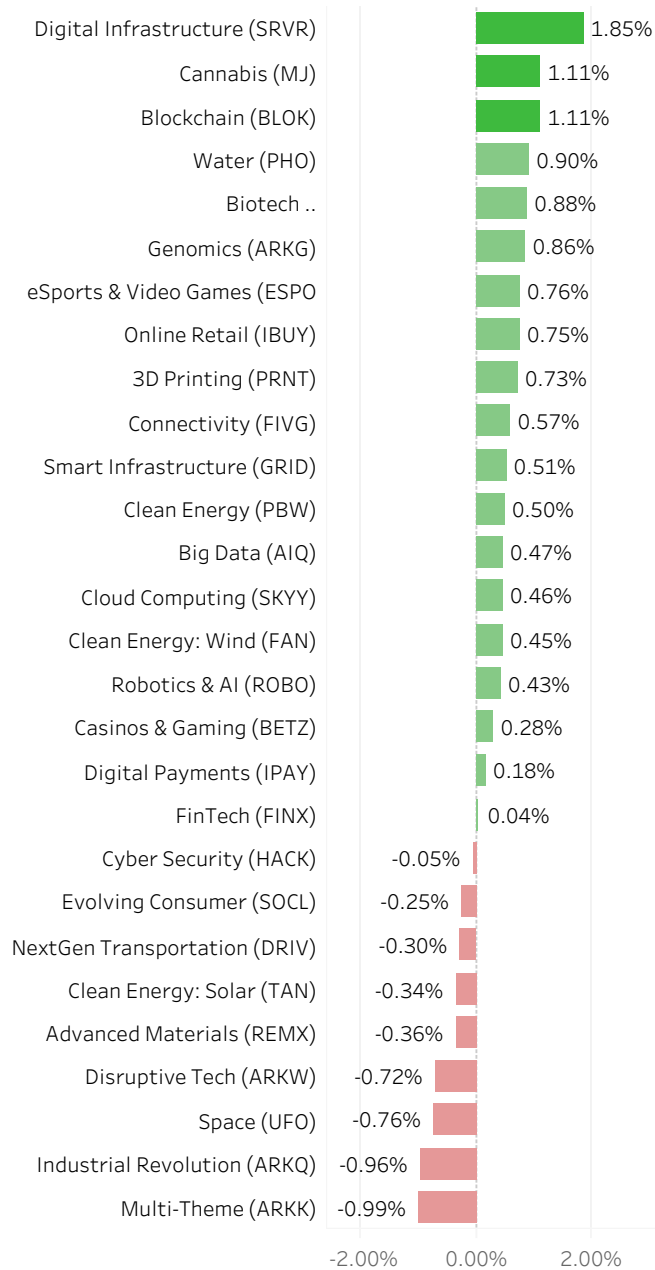


Multi-Sector

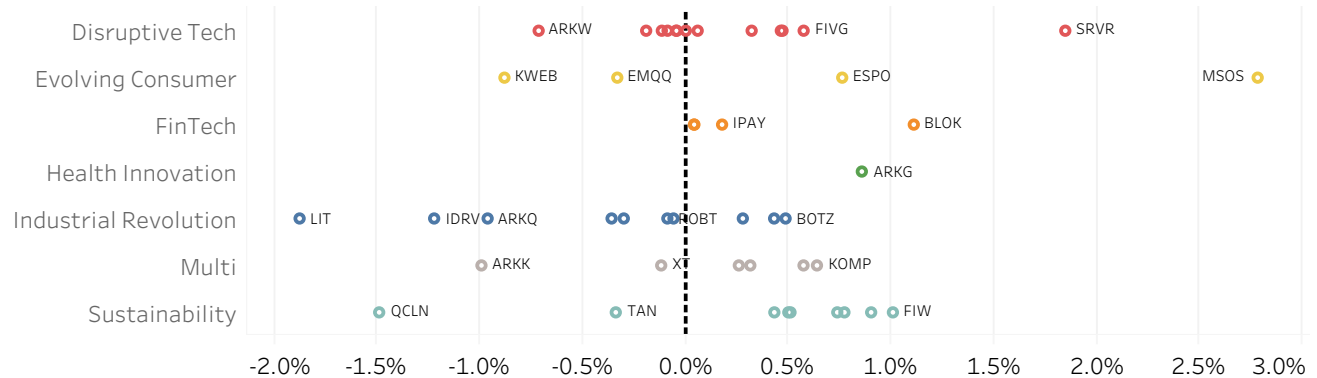


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
WGMI	Valkyrie Bitcoin Miners ETF	4.27%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	2.82%
BKCH	Global X Blockchain ETF	2.82%
MSOS	AdvisorShares Pure US Cannabis ETF	2.78%
BITQ	Bitwise Crypto Industry Innovators ETF	2.57%
MJUS	ETFMG U.S. Alternative Harvest ETF	2.27%
DAPP	VanEck Digital Transformation ETF	1.85%
SRVR	Pacer Data & Infrastructure Real Estate ETF	1.85%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	1.53%
CNRG	SPDR S&P Kensho Clean Power ETF	1.48%

Thematic Most Overbought

Ticker	Fund	Value
TECB	iShares U.S. Tech Breakthrough Multisector ETF	80.25
FIVG	Defiance Next Gen Connectivity ETF	76.42
SKYY	First Trust Cloud Computing ETF	72.14
FCLD	Fidelity Cloud Computing ETF	70.83
HACK	ETFMG Prime Cyber Security ETF	70.73
QTUM	Defiance Quantum ETF	70.65
AIQ	Global X Artificial Intelligence & Technology ETF	70.45
SAMT	Stratgas Macro Thematic Opportunities ETF	70.40
CIBR	First Trust NASDAQ Cybersecurity ETF	69.94
MJUS	ETFMG U.S. Alternative Harvest ETF	68.09

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
KGRN	KraneShares MSCI China Clean Technology Index ETF	-2.29%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	-2.12%
LIT	Global X Lithium & Battery Tech ETF	-1.88%
BATT	Amplify Lithium & Battery Technology ETF	-1.64%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.63%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-1.49%
SMOG	VanEck Low Carbon Energy ETF	-1.29%
IDRV	iShares Self-driving EV & Tech ETF	-1.22%
ARKK	ARK Innovation ETF	-0.99%
CTEC	Global X CleanTech ETF	-0.97%

Thematic Most Oversold

Ticker	Fund	Value
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	22.87
SMOG	VanEck Low Carbon Energy ETF	24.90
BATT	Amplify Lithium & Battery Technology ETF	24.96
IDRV	iShares Self-driving EV & Tech ETF	25.20
REMX	VanEck Rare Earth/Strategic Metals ETF	26.73
LIT	Global X Lithium & Battery Tech ETF	27.32
ERTH	Invesco MSCI Sustainable Future ETF	30.52
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	33.45
BITQ	Bitwise Crypto Industry Innovators ETF	33.83
DAPP	VanEck Digital Transformation ETF	34.06

* 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	
KWEB	KraneShares CSI China Internet ETF	\$107M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$73M
MSOS	AdvisorShares Pure US Cannabis ETF	\$23M
AIQ	Global X Artificial Intelligence & Technology ETF	\$22M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$20M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$20M
HACK	ETFMG Prime Cyber Security ETF	\$19M
CLOU	Global X Cloud Computing ETF	\$18M
BUG	Global X Cybersecurity ETF	\$12M
WCLD	WisdomTree Cloud Computing Fund	\$11M

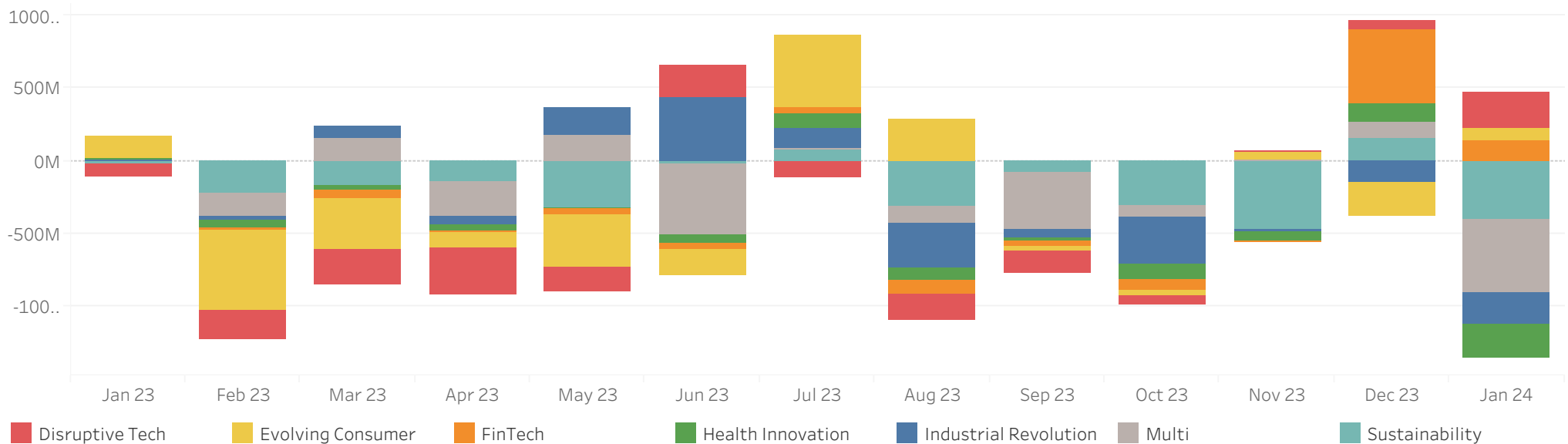
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$102M)
ICLN	iShares Global Clean Energy ETF	(\$53M)
LIT	Global X Lithium & Battery Tech ETF	(\$50M)
ARKG	ARK Genomic Revolution ETF	(\$46M)
ARKF	ARK Fintech Innovation ETF	(\$23M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$18M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$16M)
ARKW	ARK Next Generation Internet ETF	(\$14M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$13M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$13M)

Thematic Landscape Assets & Flows

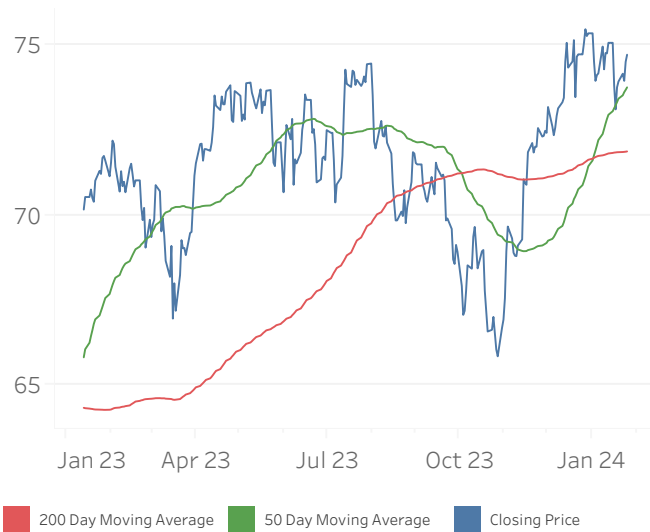
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$19B	\$154M	\$298M	(\$95M)	(\$980M)
Evolving Consumer	37	\$8B	\$113M	(\$88M)	\$147M	(\$753M)
FinTech	17	\$3B	(\$40M)	\$638M	\$444M	\$295M
Health Innovation	17	\$2B	(\$34M)	(\$246M)	(\$330M)	(\$454M)
Industrial Revolution	30	\$10B	(\$64M)	(\$446M)	(\$1,065M)	(\$317M)
Multi	35	\$15B	(\$54M)	(\$344M)	(\$1,033M)	(\$1,515M)
Sustainability	40	\$12B	(\$53M)	(\$833M)	(\$1,439M)	(\$2,222M)
Grand Total	209	\$70B	\$22M	(\$1,021M)	(\$3,372M)	(\$5,945M)

Thematic Monthly Flows

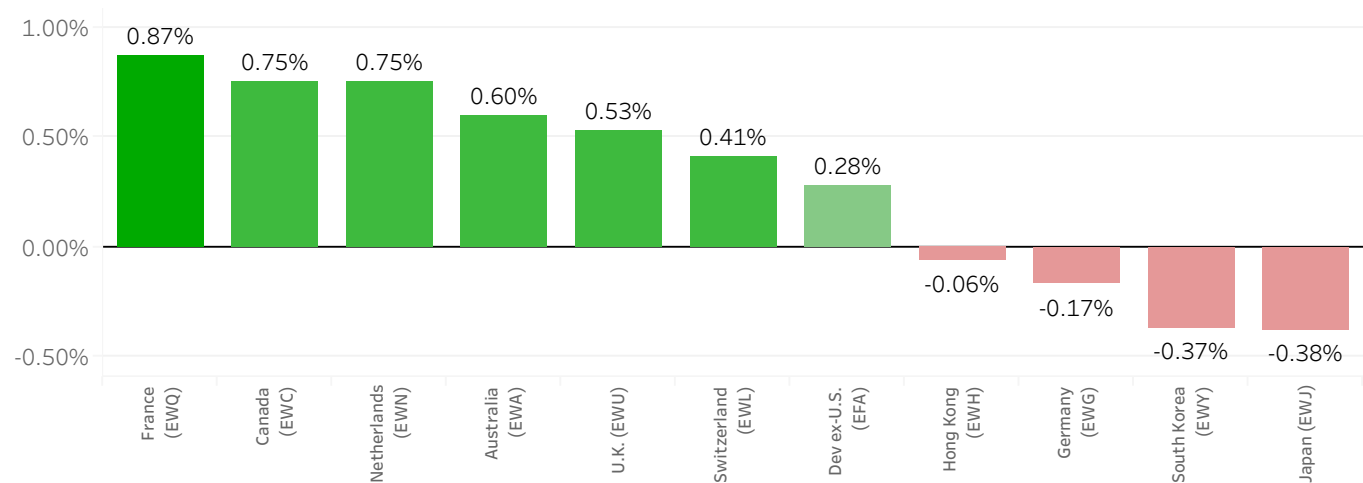


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

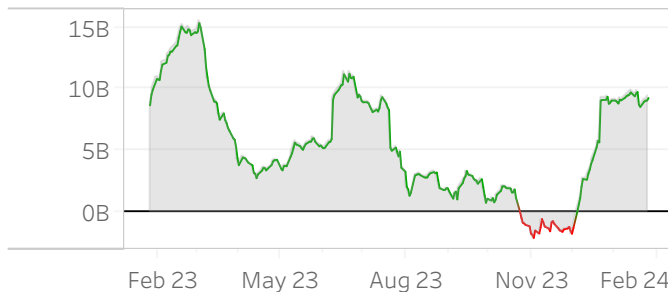
Developed ex-U.S. (EFA)



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



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



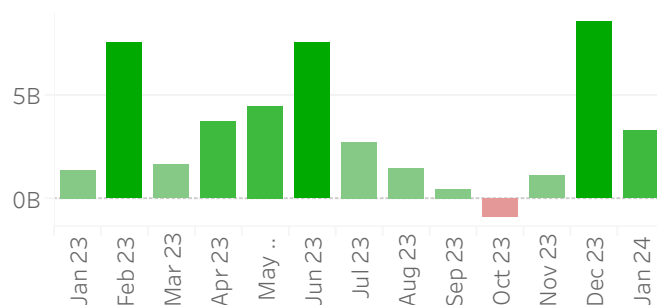
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	1.17%
IHDG	WisdomTree International Hedged Quality Dividend Growth ..	0.97%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.94%
EWQ	iShares MSCI France ETF	0.87%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.85%
EDEN	iShares MSCI Denmark ETF	0.85%
BBCA	JPMorgan BetaBuilders Canada ETF	0.79%
FLCA	Franklin FTSE Canada ETF	0.77%
EWC	iShares MSCI Canada ETF	0.75%
EWN	iShares MSCI Netherlands ETF	0.75%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWN	iShares MSCI Netherlands ETF	70.87
DXJ	WisdomTree Japan Hedged Equity Fund	70.70
HEWJ	iShares Currency Hedged MSCI Japan ETF	68.96
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	68.75
EIRL	iShares MSCI Ireland ETF	67.60
TOK	iShares MSCI Kokusai ETF	67.11
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	66.94
IHDG	WisdomTree International Hedged Quality Dividend Grow..	66.37
PIZ	Invesco Dorsey Wright Developed Markets Momentum ETF	64.98
HEZU	iShares Currency Hedged MSCI Eurozone ETF	64.74

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-1.66%
FLKR	Franklin FTSE South Korea ETF	-0.73%
EWP	iShares MSCI Spain ETF	-0.54%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.51%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.43%
JPXN	iShares JPX-Nikkei 400 ETF	-0.39%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.39%
EWJ	iShares MSCI Japan ETF	-0.38%
EWY	iShares MSCI South Korea ETF	-0.37%
EWI	iShares MSCI Italy ETF	-0.30%

Developed ex-U.S. Most Oversold

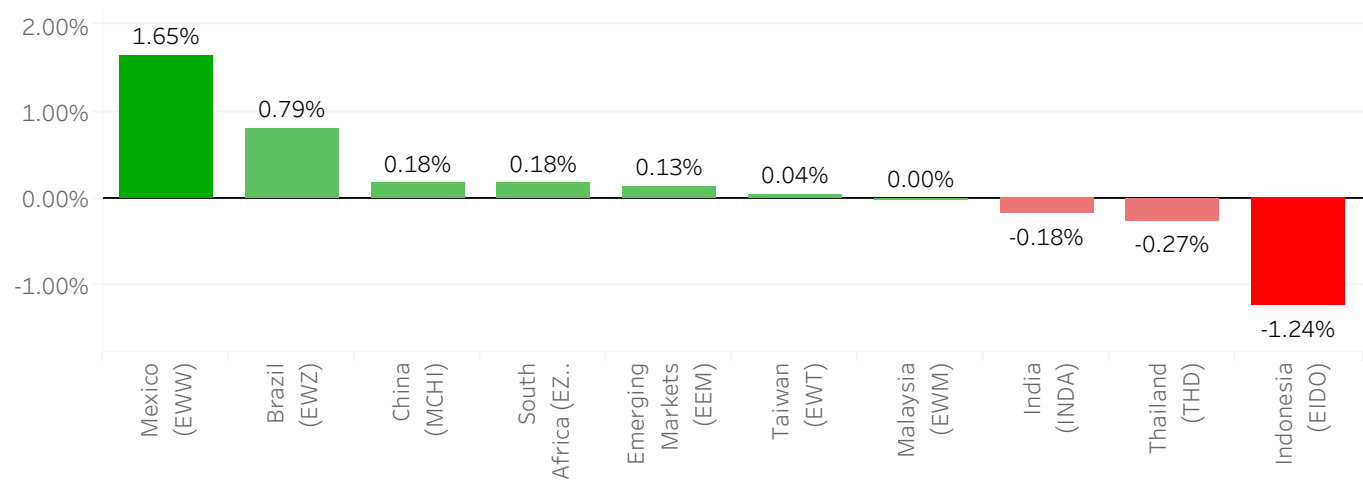
Ticker	Fund	Value
EWY	iShares MSCI South Korea ETF	37.32
FLKR	Franklin FTSE South Korea ETF	37.65
EWP	iShares MSCI Spain ETF	38.40
FDD	First Trust Stoxx European Select Dividend Index Fu..	41.20
FSZ	First Trust Switzerland AlphaDEX Fund	42.11
EWS	iShares MSCI Singapore ETF	44.67
EWI	iShares MSCI Italy ETF	45.26
EWH	iShares MSCI Hong Kong ETF	45.85
EWU	iShares MSCI United Kingdom ETF	46.26
DTH	WisdomTree International High Dividend Fund	46.56

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

Emerging (EEM)



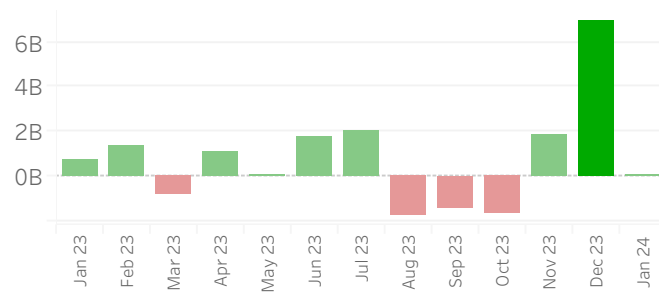
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWW	iShares MSCI Mexico ETF	1.65%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.14%
ILF	iShares Latin America 40 ETF	1.01%
UEVM	VictoryShares Emerging Markets Value Momentum ETF	0.91%
EPD	iShares MSCI Peru and Global Exposure ETF	0.88%
DEM	WisdomTree Emerging Markets High Dividend Fund	0.86%
FLN	First Trust Latin America AlphaDEX Fund	0.86%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.84%
FLLA	Franklin FTSE Latin America ETF	0.81%
EWZ	iShares MSCI Brazil ETF	0.79%

Emerging Most Overbought

Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	79.23
ARGT	Global X MSCI Argentina ETF	67.83
KSA	iShares MSCI Saudi Arabia ETF	62.44
EDIV	SPDR S&P Emerging Markets Dividend ETF	60.55
TUR	iShares MSCI Turkey ETF	60.21
FEM	First Trust Emerging Markets AlphaDEX Fund	58.85
PIE	Invesco Dorsey Wright Emerging Markets Momentum Fund	57.92
UEVM	VictoryShares Emerging Markets Value Momentum E...	57.44
EPI	WisdomTree India Earnings Fund	56.64
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu...	56.52

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EIDO	iShares MSCI Indonesia ETF	-1.24%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.04%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt...	-0.66%
EMXF	iShares ESG Advanced MSCI EM ETF	-0.64%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.55%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.48%
FRDM	Freedom 100 Emerging Markets ETF	-0.39%
NUEM	Nuveen ESG Emerging Markets Equity ETF	-0.30%
PGJ	Invesco Golden Dragon China ETF	-0.30%
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterp...	-0.29%

Emerging Most Oversold

Ticker	Fund	Price
EIDO	iShares MSCI Indonesia ETF	36.08
THD	iShares MSCI Thailand ETF	37.78
FM	iShares Frontier and Select EM ETF	38.70
PGJ	Invesco Golden Dragon China ETF	42.20
EPOL	iShares MSCI Poland ETF	42.94
EWM	iShares MSCI Malaysia ETF	43.09
ECH	iShares MSCI Chile ETF	43.42
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	43.50
EWZ	iShares MSCI Brazil ETF	43.83
FLBR	Franklin FTSE Brazil ETF	44.28

*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	0.45%	-0.66%	-1.08%
SHY	1-3 Year Treasury Bonds	0.18%	0.27%	0.16%
IEF	7-10 Year Treasury Bonds	0.43%	-1.10%	-1.31%
TLT	20+ Year Treasury Bonds	0.65%	-4.58%	-4.98%
TIP	TIPS Bonds	0.34%	-0.55%	-0.61%
FLOT	Floating Rate Bonds	0.06%	0.73%	0.61%
LQD	Investment Grade Corporate	0.66%	-0.64%	-1.14%
HYG	High Yield Corporate	0.77%	0.28%	0.39%
BKLN	Senior Loan	0.19%	0.13%	0.03%
PFF	Preferred & Income Securities	0.88%	2.34%	2.47%
MUB	Municipal Bonds	0.31%	-0.42%	-0.53%
MBB	MBS	0.53%	-0.81%	-1.30%
EMB	Dollar Denominated EM Bonds	0.71%	-1.75%	-1.77%
LEMB	Local Currency EM Bond	-0.03%	-1.35%	-1.80%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.29%	-0.07%	0.63%
DBE	Energy	1.27%	3.02%	5.18%
USO	WTI Crude Oil	2.40%	5.15%	8.37%
BNO	Brent Crude Oil	2.34%	4.75%	7.43%
UNG	Natural Gas	-4.56%	-0.30%	-0.89%
UGA	Gasoline	1.78%	6.03%	7.55%
DBP	Precious Metals	0.46%	-2.38%	-2.49%
GLD	Gold	0.40%	-1.65%	-2.11%
SLV	Silver	1.11%	-5.33%	-3.86%
PPLT	abrdn Physical Platin..	-1.04%	-8.38%	-9.81%
PALL	abrdn Physical Palla..	-2.65%	-21.73%	-14.18%
DBB	Base Metals	0.23%	-1.50%	-3.06%
CPER	Copper	-0.17%	-0.12%	-0.33%
DBA	Agriculture	-0.47%	2.44%	3.18%
CORN	Corn	-0.34%	-4.72%	-4.50%
SOYB	Soybeans	-1.35%	-5.64%	-5.15%
WEAT	Wheat	0.17%	-0.68%	-2.51%
CANE	Sugar	-0.64%	12.91%	12.22%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.29%	2.32%	2.55%
UDN	Short Dollar	-0.22%	-1.58%	-2.01%
FXE	Euro	-0.36%	-1.35%	-1.64%
FXB	British Pound Sterling	-0.14%	0.28%	-0.12%
FXF	Swiss Franc	-0.46%	-1.35%	-3.01%
FXJ	Japanese Yen	-0.11%	-3.52%	-4.57%
FXC	Canadian Dollar	0.32%	-1.40%	-1.55%
FXA	Australian Dollar	0.11%	-2.99%	-3.23%

*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