

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

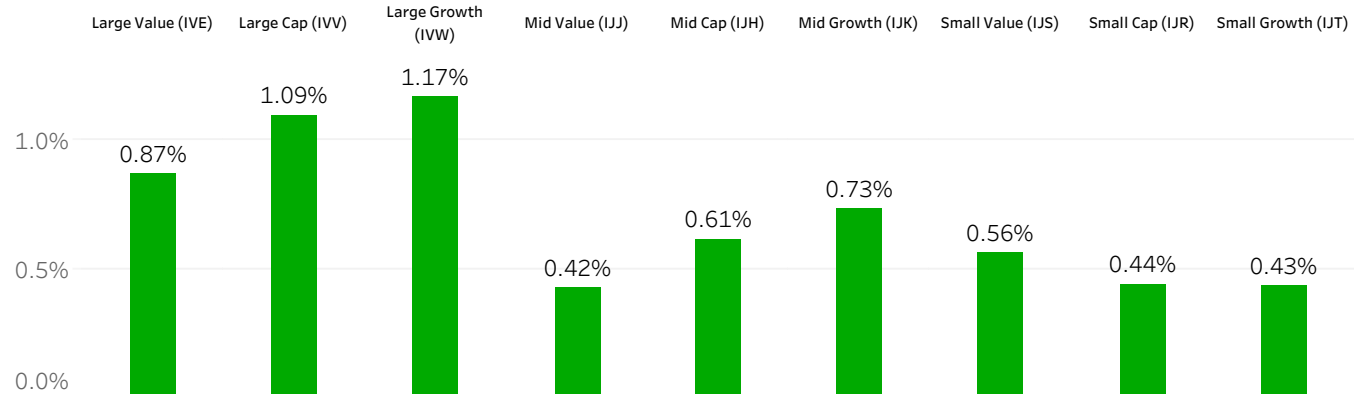


Small Cap Blend (S&P 600) IJR



■ 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
QMOM	Momentumshares US Quantitative Momentum ETF	2.50%
WINN	Harbor Long-Term Growers ETF	1.99%
QQQM	Invesco NASDAQ 100 ETF	1.80%
QQQ	Invesco QQQ Trust Series I	1.74%
MGK	Vanguard Mega Cap Growth ETF	1.71%
IWY	iShares Russell Top 200 Growth ETF	1.71%
TMFC	Motley Fool 100 Index ETF	1.67%
PWB	Invesco Large Cap Growth ETF	1.67%
GRPM	Invesco S&P MidCap 400 GARP ETF	1.64%
FFTY	Innovator IBD 50 ETF	1.63%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	58.10
PWB	Invesco Large Cap Growth ETF	52.29
AUSF	Global X Adaptive U.S. Factor ETF	52.06
DUSA	Davis Select U.S. Equity ETF	51.27
QMOM	Momentumshares US Quantitative Momentum ETF	50.87
VFMV	Vanguard U.S. Minimum Volatility ETF	50.47
WINN	Harbor Long-Term Growers ETF	50.32
MTUM	iShares MSCI USA Momentum Factor ETF	49.69
ACSI	American Customer Satisfaction ETF	49.65
QLV	FlexShares US Quality Low Volatility Index Fund	49.64

Size & Style 1-Day Performance Laggards

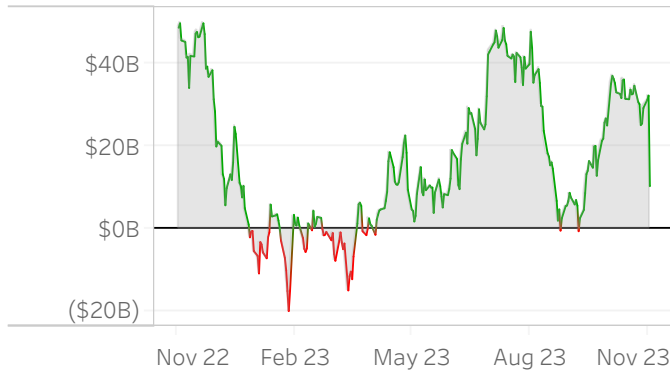
Ticker	Fund	Performance
TMFM	Motley Fool Mid-Cap Growth ETF	-1.18%
TMFS	Motley Fool Small-Cap Growth ETF	-0.31%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-0.27%
IPO	Renaissance IPO ETF	-0.27%
POWA	Invesco Bloomberg Pricing Power ETF	-0.20%
NUMG	Nuveen ESG Mid-Cap Growth ETF	-0.15%
MOAT	VanEck Morningstar Wide Moat ETF	-0.12%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-0.12%
MGMT	Ballast Small/Mid Cap ETF	-0.05%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.05%

Size & Style Most Oversold

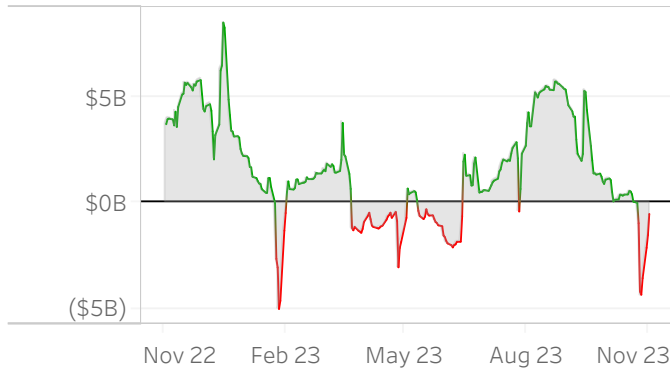
Ticker	Fund	Price
SPHB	Invesco S&P 500 High Beta ETF	31.31
ALTL	Pacer Lunt Large Cap Alternator ETF	31.49
QQQJ	Invesco NASDAQ Next Gen 100 ETF	32.79
NUMG	Nuveen ESG Mid-Cap Growth ETF	34.14
PTMC	Pacer Trendpilot US Mid Cap ETF	34.24
VOT	Vanguard Mid-Cap Growth ETF	35.05
VTWG	Vanguard Russell 2000 Growth ETF	35.47
TMFS	Motley Fool Small-Cap Growth ETF	35.52
IMCG	iShares Morningstar Mid-Cap Growth ETF	35.84
TMFM	Motley Fool Mid-Cap Growth ETF	35.93

*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	\$1,395B	\$6.22B	\$30.54B	\$81.13B	\$66.58B
Large Cap, Beta, Beta: Growth	10	\$270B	\$0.78B	\$7.28B	\$8.86B	\$17.72B
Large Cap, Beta, Beta: Value	11	\$208B	(\$0.11B)	\$1.01B	(\$2.57B)	(\$8.35B)
Mid Cap, Beta, Beta	10	\$178B	(\$0.07B)	\$1.40B	\$5.69B	\$9.89B
Mid Cap, Beta, Beta: Growth	6	\$32B	(\$0.05B)	(\$0.33B)	\$0.44B	\$0.42B
Mid Cap, Beta, Beta: Value	6	\$35B	(\$0.03B)	(\$0.75B)	(\$1.77B)	(\$2.67B)
Small Cap, Beta, Beta	11	\$180B	\$0.84B	\$2.16B	\$7.66B	\$9.74B
Small Cap, Beta, Beta: Growth	7	\$29B	\$0.16B	\$0.19B	\$0.40B	\$0.77B
Small Cap, Beta, Beta: Value	7	\$44B	(\$0.07B)	(\$0.69B)	(\$1.27B)	(\$1.09B)

U.S. Size & Style Flow Leaders

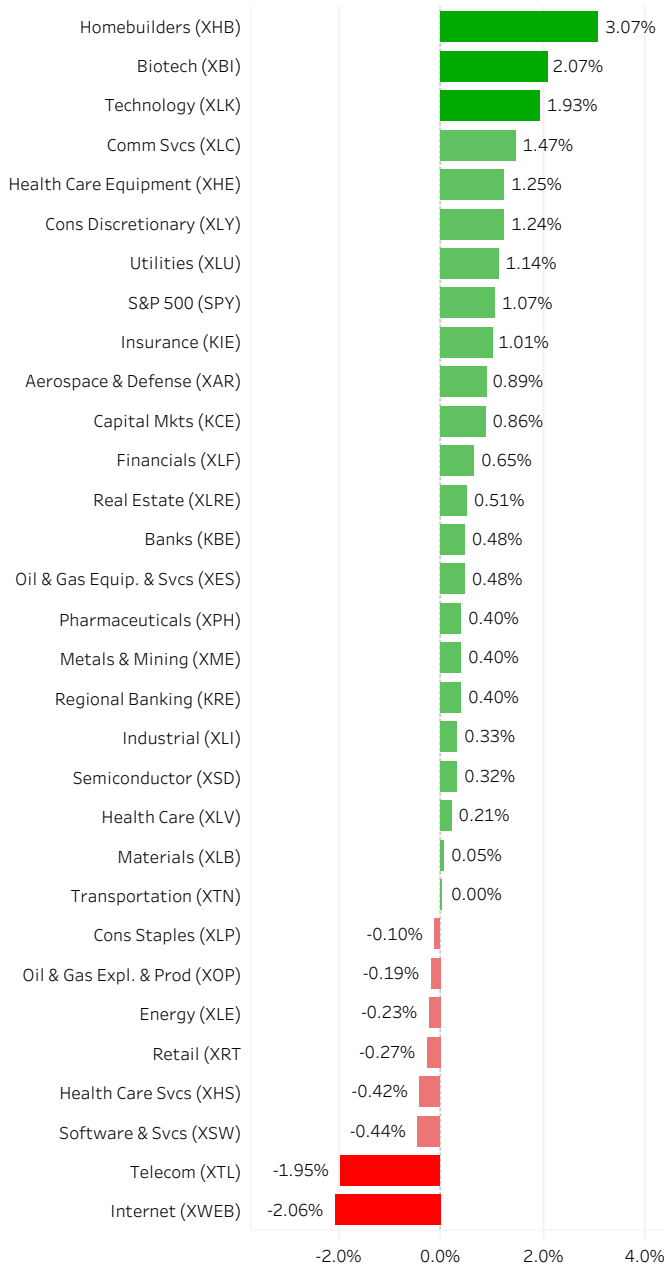
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$6.21B	(\$0.44B)	\$10.83B	(\$7.27B)	\$391.21B
IWM	iShares Russell 2000 ETF	\$0.81B	\$0.45B	\$1.58B	(\$0.33B)	\$47.96B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.67B	\$2.11B	\$1.91B	\$10.31B	\$31.39B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.60B	(\$0.63B)	\$7.34B	\$8.82B	\$37.96B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.44B	(\$0.62B)	(\$1.32B)	(\$2.83B)	\$26.84B
IWF	iShares Russell 1000 Growth ETF	\$0.37B	\$1.78B	\$1.28B	(\$0.86B)	\$68.60B
IVV	iShares Core S&P 500 ETF	\$0.37B	\$15.82B	\$28.97B	\$23.65B	\$341.16B
VONG	Vanguard Russell 1000 Growth ETF	\$0.33B	\$1.42B	\$1.69B	\$3.77B	\$13.81B
VOO	Vanguard S&P 500 ETF	\$0.31B	\$7.38B	\$24.57B	\$30.54B	\$316.58B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.28B	\$1.60B	\$2.81B	\$4.05B	\$19.68B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$1.18B)	\$1.44B	\$5.68B	\$4.70B	\$193.68B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.52B)	(\$2.26B)	(\$0.78B)	(\$2.92B)	\$26.68B
VTV	Vanguard Value ETF	(\$0.49B)	(\$0.11B)	(\$3.10B)	(\$4.83B)	\$93.88B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.19B)	(\$0.23B)	(\$0.59B)	(\$0.16B)	\$17.28B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.18B)	(\$0.51B)	(\$2.14B)	(\$9.45B)	\$11.61B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.15B)	\$0.19B	\$3.51B	\$5.96B	\$65.33B
IVW	iShares S&P 500 Growth ETF	(\$0.11B)	(\$0.03B)	\$1.57B	\$1.78B	\$32.76B
VIG	Vanguard Dividend Appreciation ETF	(\$0.10B)	\$0.61B	\$0.52B	\$0.75B	\$65.04B
FVD	First Trust Value Line Dividend Index Fund	(\$0.08B)	(\$0.78B)	(\$0.97B)	(\$1.20B)	\$10.14B
SUSA	iShares MSCI USA ESG Select ETF	(\$0.07B)	\$0.94B	\$1.33B	\$1.12B	\$4.46B

* 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	-4.56%	40.68%	-1.32%	5.74%	48.04
XLK	Technology Select Sector SPDR Fund	-7.26%	37.96%	-0.58%	4.97%	52.94
SPY	SPDR S&P 500 ETF Trust	-7.67%	12.21%	-2.64%	-0.39%	46.12
XLE	Energy Select Sector SPDR Fund	-9.66%	10.97%	-4.85%	0.15%	36.61
XLI	Industrial Select Sector SPDR Fund	-10.90%	2.32%	-4.01%	-3.92%	42.33
XLV	Health Care Select Sector SPDR Fund	-10.92%	1.35%	-4.16%	-4.81%	34.93
XLB	Materials Select Sector SPDR Fund	-11.22%	2.20%	-3.81%	-5.31%	43.79
XLF	Financial Select Sector SPDR Fund	-11.97%	5.13%	-2.83%	-3.31%	46.72
XLP	Consumer Staples Select Sector SPDR Fund	-12.53%	2.37%	-2.57%	-7.20%	47.09
XLY	Consumer Discretionary Select Sector SPDR Fund	-12.99%	21.95%	-5.13%	-1.97%	43.95
XLU	Utilities Select Sector SPDR Fund	-16.93%	7.44%	-0.87%	-7.53%	54.38
XLRE	Real Estate Select Sector SPDR Fund	-20.46%	3.36%	-4.44%	-9.76%	46.22

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PKB	Invesco Building & Construction ETF	3.99%
ITB	iShares U.S. Home Construction ETF	3.51%
XHB	SPDR S&P Homebuilders ETF	3.07%
KBWP	Invesco KBW Property & Casualty Insurance ETF	2.60%
REM	iShares Mortgage Real Estate ETF	2.52%
SOXX	iShares Semiconductor ETF	2.35%
MORT	VanEck Mortgage REIT Income ETF	2.34%
IGPT	Invesco AI and Next Gen Software ETF	2.30%
SOXQ	Invesco PHLX Semiconductor ETF	2.13%
XBI	SPDR S&P BIOTECH ETF	2.07%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	63.25
ITA	iShares U.S. Aerospace & Defense ETF	59.62
IAK	iShares U.S. Insurance ETF	57.81
XAR	SPDR S&P Aerospace & Defense ETF	55.20
PKB	Invesco Building & Construction ETF	54.55
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	54.42
XLU	Utilities Select Sector SPDR Fund	54.38
PPA	Invesco Aerospace & Defense ETF	54.21
IDU	iShares U.S. Utilities ETF	54.20
FUTY	Fidelity MSCI Utilities Index ETF	53.93

Sector & Industry 1 Day Performance Laggards

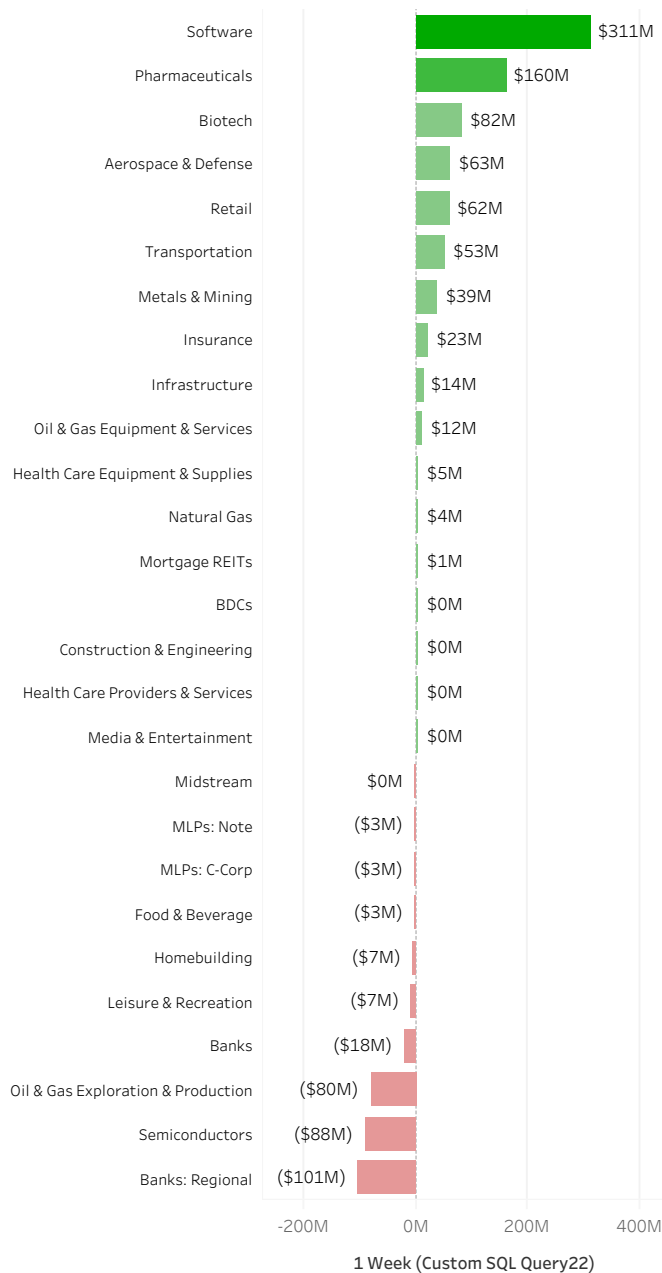
Ticker	Fund	1 Day Performance
AIRR	First Trust RBA American Industrial Renaissance ETF	-0.69%
IHF	iShares U.S. Healthcare Providers ETF	-0.68%
FXZ	First Trust Materials AlphaDEX Fund	-0.67%
PSCT	Invesco S&P SmallCap Information Technology ETF	-0.46%
XSW	SPDR S&P Software & Services ETF	-0.44%
XHS	SPDR S&P Health Care Services ETF	-0.42%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-0.41%
RSPM	Invesco S&P 500 Equal Weight Materials ETF	-0.36%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-0.35%
XRT	SPDR S&P Retail ETF	-0.27%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RSPH	Invesco S&P 500 Equal Weight Health Care ETF	29.07
IHE	iShares U.S. Pharmaceuticals ETF	29.16
XPH	SPDR S&P Pharmaceuticals ETF	30.02
XTN	SPDR S&P Transportation ETF	30.26
FXH	First Trust Health Care AlphaDEX Fund	31.05
PSCT	Invesco S&P SmallCap Information Technology ETF	31.61
XSD	SPDR S&P Semiconductor ETF	31.86
FBT	First Trust NYSE Arca Biotechnology Index Fund	32.92
IYH	iShares U.S. Healthcare ETF	33.88
PSI	Invesco Semiconductors ETF	34.09

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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	7	\$17B	(\$492M)	(\$511M)	\$1,306M	\$2,329M
Consumer Discretionary	12	\$23B	(\$316M)	(\$294M)	\$803M	\$1,065M
Consumer Staples	10	\$26B	(\$228M)	(\$2,257M)	(\$2,372M)	(\$136M)
Energy	31	\$73B	(\$581M)	\$2,875M	(\$359M)	(\$6,815M)
Financials	26	\$49B	(\$1,329M)	(\$7,224M)	(\$5,530M)	(\$4,051M)
Health Care	23	\$79B	(\$364M)	(\$2,958M)	(\$3,886M)	(\$6,279M)
Industrial	13	\$31B	(\$15M)	(\$872M)	\$803M	\$2,426M
Materials	9	\$11B	(\$311M)	(\$1,612M)	(\$2,433M)	(\$1,899M)
Multi-Sector	18	\$16B	(\$42M)	(\$728M)	\$1,945M	\$1,598M
Real Estate	25	\$48B	(\$121M)	(\$501M)	(\$150M)	(\$2,872M)
Technology	23	\$142B	(\$166M)	\$2,001M	\$1,950M	\$526M
Utilities	9	\$20B	(\$357M)	(\$1,310M)	(\$1,582M)	(\$1,541M)

U.S. Sector & Industry Flow Leaders

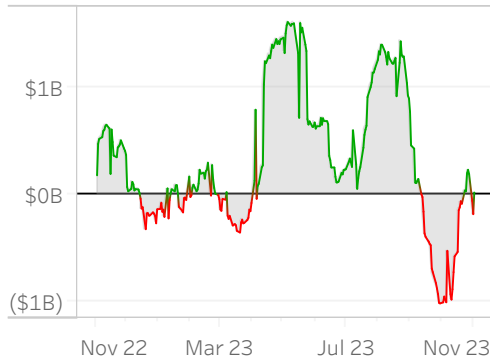
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$312M	(\$554M)	(\$11M)	(\$657M)	\$5,823M
XLI	Industrial Select Sector SPDR Fund	\$190M	(\$387M)	\$892M	\$675M	\$13,812M
IHE	iShares U.S. Pharmaceuticals ETF	\$160M	\$221M	\$203M	\$176M	\$561M
IYR	iShares U.S. Real Estate ETF	\$65M	\$37M	(\$43M)	(\$663M)	\$2,501M
XRT	SPDR S&P Retail ETF	\$62M	(\$96M)	\$7M	(\$32M)	\$326M
XBI	SPDR S&P BIOTECH ETF	\$60M	(\$39M)	(\$60M)	(\$945M)	\$5,079M
IYT	iShares US Transportation ETF	\$54M	(\$225M)	\$6M	\$39M	\$795M
ITA	iShares U.S. Aerospace & Defense ETF	\$48M	(\$123M)	(\$493M)	\$1,075M	\$5,203M
XME	SPDR S&P Metals & Mining ETF	\$39M	(\$202M)	(\$379M)	(\$275M)	\$1,621M
IYW	iShares U.S. Technology ETF	\$36M	\$870M	(\$401M)	\$359M	\$11,496M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$983M)	(\$4,955M)	(\$3,564M)	(\$1,557M)	\$27,714M
XLV	Health Care Select Sector SPDR Fund	(\$379M)	(\$1,315M)	(\$1,457M)	(\$1,794M)	\$35,714M
XLE	Energy Select Sector SPDR Fund	(\$288M)	\$2,184M	\$119M	(\$1,866M)	\$38,104M
VIS	Vanguard Industrials ETF	(\$286M)	(\$407M)	(\$72M)	\$27M	\$3,615M
VCR	Vanguard Consumer Discretionary ETF	(\$282M)	(\$301M)	\$69M	(\$153M)	\$4,217M
XLC	Communication Services Select Sector SPDR Fu..	(\$255M)	(\$442M)	\$1,082M	\$2,039M	\$13,172M
VFH	Vanguard Financials ETF	(\$240M)	(\$929M)	(\$346M)	(\$959M)	\$7,184M
VOX	Vanguard Communication Services ETF	(\$234M)	(\$87M)	\$174M	\$175M	\$3,062M
VDC	Vanguard Consumer Staples ETF	(\$234M)	(\$402M)	(\$159M)	(\$41M)	\$6,126M
VAW	Vanguard Materials ETF	(\$233M)	(\$373M)	(\$211M)	(\$291M)	\$2,419M

* 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



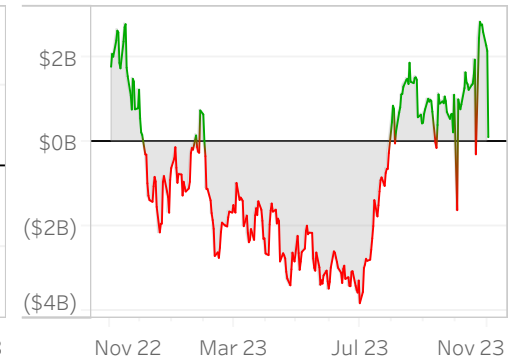
Consumer Discretionary



Consumer Staples



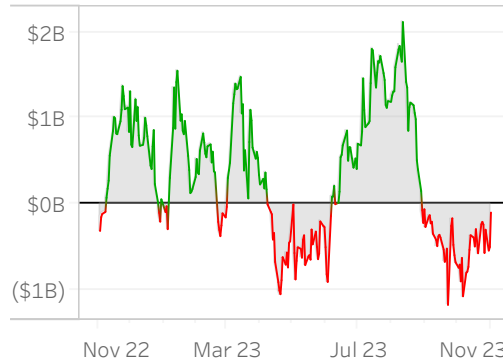
Energy



Financials



Industrial



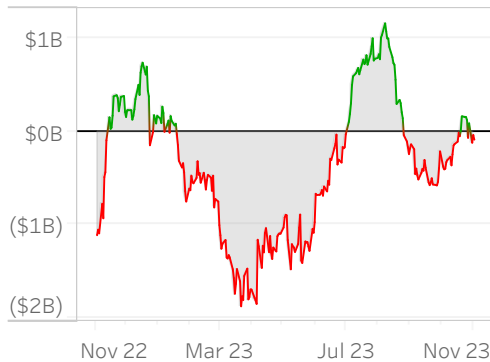
Health Care



Materials



Real Estate



Technology



Utilities

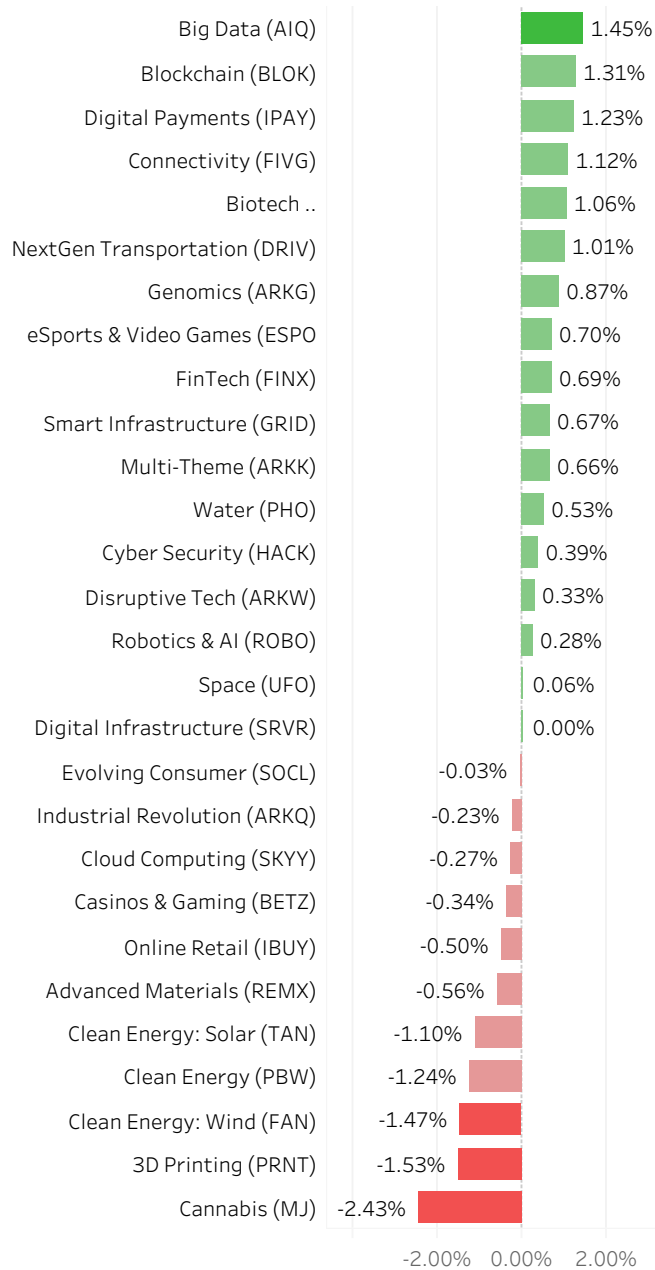


Multi-Sector

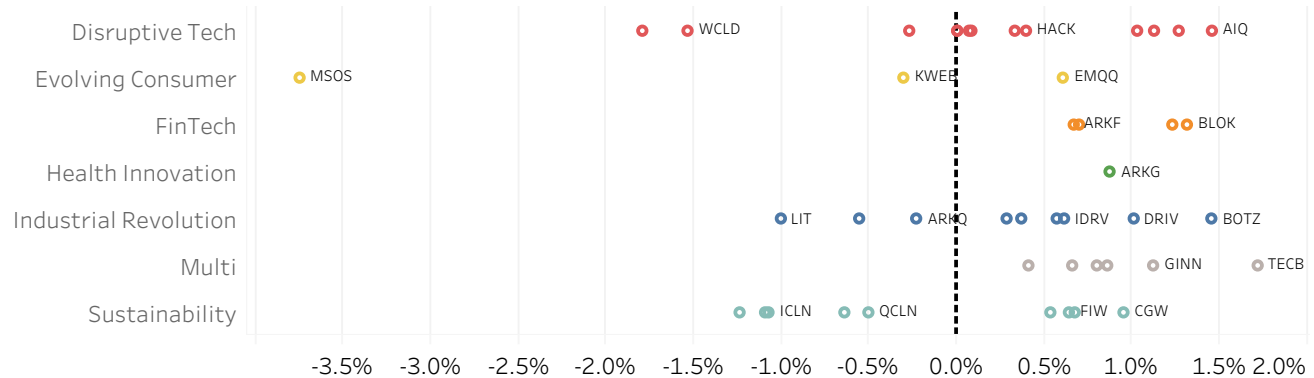


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
GNOM	Global X Genomics & Biotechnology ETF	2.15%
BKCH	Global X Blockchain ETF	2.08%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	1.71%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	1.52%
AIQ	Global X Artificial Intelligence & Technology ETF	1.45%
BOTZ	Global X Robotics & Artificial Intelligence ETF	1.45%
BLOK	Amplify Transformational Data Sharing ETF	1.31%
NXTG	First Trust Indxx NextG ETF	1.26%
IPAY	ETFMG Prime Mobile Payments ETFMG Prime Mobile Pay..	1.23%
IDNA	iShares Genomics Immunology and Healthcare ETF	1.16%

Thematic Most Overbought

Ticker	Fund	Value
BLOK	Amplify Transformational Data Sharing ETF	56.79
BITQ	Bitwise Crypto Industry Innovators ETF	55.38
BKCH	Global X Blockchain ETF	52.33
SRVR	Pacer Data & Infrastructure Real Estate ETF	49.38
TECB	iShares U.S. Tech Breakthrough Multisector ETF	48.35
GBUY	Goldman Sachs Future Consumer Equity ETF	48.25
NXTG	First Trust Indxx NextG ETF	47.70
METV	Roundhill Ball Metaverse ETF	47.68
LEGR	First Trust Indxx Innovative Transaction & Process ETF	47.51
CGW	Invesco S&P Global Water Index ETF	47.43

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-3.75%
MJUS	ETFMG U.S. Alternative Harvest ETF	-2.86%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	-2.43%
CLOU	Global X Cloud Computing ETF	-1.80%
WCLD	WisdomTree Cloud Computing Fund	-1.54%
PRNT	3D Printing ETF	-1.53%
FAN	First Trust Global Wind Energy ETF	-1.47%
PBW	Invesco WilderHill Clean Energy ETF	-1.24%
TAN	Invesco Solar ETF	-1.10%
ICLN	iShares Global Clean Energy ETF	-1.08%

Thematic Most Oversold

Ticker	Fund	Value
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	25.35
PBW	Invesco WilderHill Clean Energy ETF	25.65
ACES	ALPS Clean Energy ETF	26.59
EDOC	Global X Telemedicine & Digital Health ETF Registered	26.98
CTEC	Global X CleanTech ETF	27.27
BATT	Amplify Lithium & Battery Technology ETF	27.67
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	28.26
LIT	Global X Lithium & Battery Tech ETF	28.26
IDRV	iShares Self-driving EV & Tech ETF	28.64
PRNT	3D Printing ETF	28.69

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	\$13M
AIQ	Global X Artificial Intelligence & Technology ETF	\$13M
ARKG	ARK Genomic Revolution ETF	\$11M
TARK	AXS 2X Innovation ETF	\$6M
FMIL	Fidelity New Millennium ETF	\$6M
KWEB	KraneShares CSI China Internet ETF	\$5M
EBIZ	Global X E-Commerce ETF	\$3M
WGMI	Valkyrie Bitcoin Miners ETF	\$2M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$2M
ONLN	ProShares Online Retail ETF	\$1M

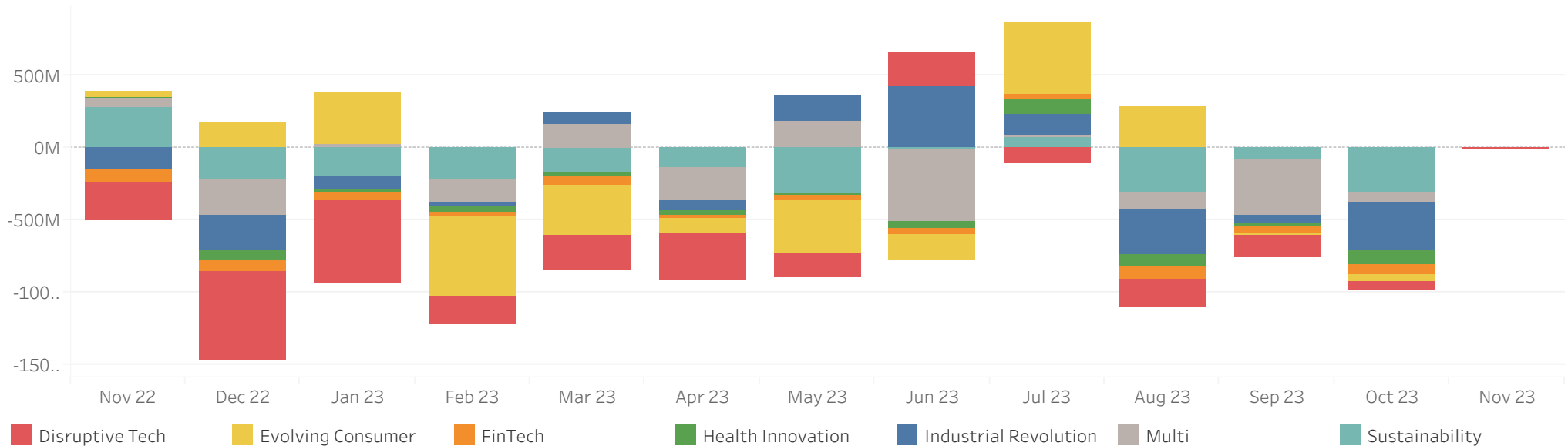
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
GNOM	Global X Genomics & Biotechnology ETF	(\$75M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$39M)
ICLN	iShares Global Clean Energy ETF	(\$31M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$24M)
LIT	Global X Lithium & Battery Tech ETF	(\$22M)
SKYY	First Trust Cloud Computing ETF	(\$18M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$14M)
IBUY	Amplify Online Retail ETF	(\$14M)
FIVG	Defiance Next Gen Connectivity ETF	(\$9M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$8M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$15B	(\$5M)	(\$424M)	(\$420M)	(\$2,664M)
Evolving Consumer	39	\$8B	(\$13M)	(\$136M)	\$230M	(\$266M)
FinTech	17	\$2B	(\$5M)	(\$207M)	(\$241M)	(\$561M)
Health Innovation	18	\$2B	(\$90M)	(\$209M)	(\$166M)	(\$375M)
Industrial Revolution	30	\$9B	(\$50M)	(\$641M)	\$84M	(\$416M)
Multi	36	\$12B	\$43M	(\$468M)	(\$883M)	(\$1,299M)
Sustainability	40	\$12B	(\$123M)	(\$710M)	(\$968M)	(\$1,642M)
Grand Total	214	\$60B	(\$243M)	(\$2,795M)	(\$2,365M)	(\$7,223M)

Thematic Monthly Flows

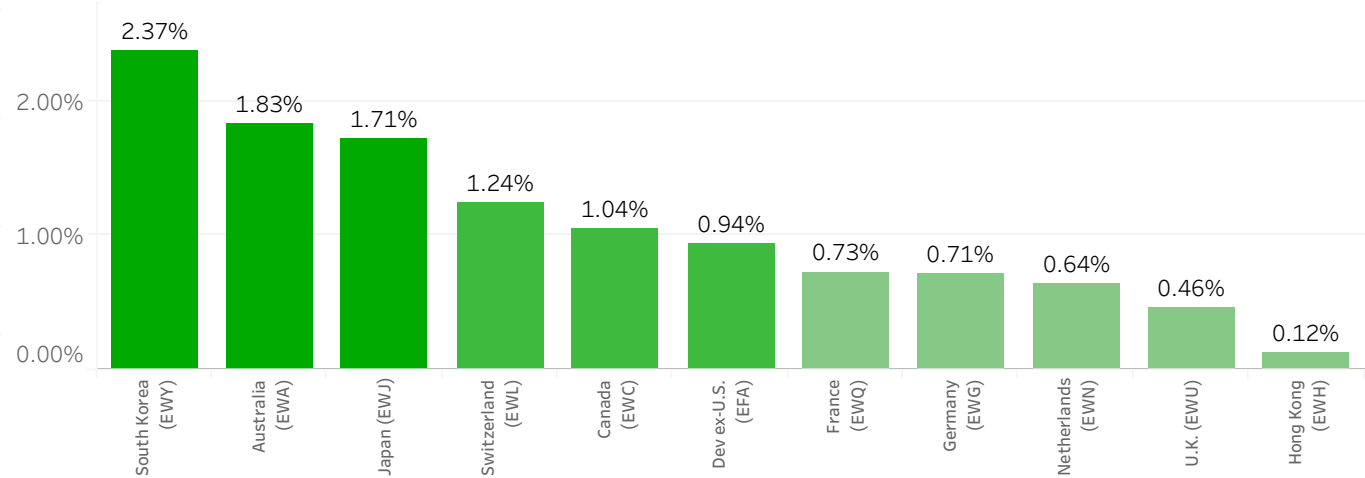


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

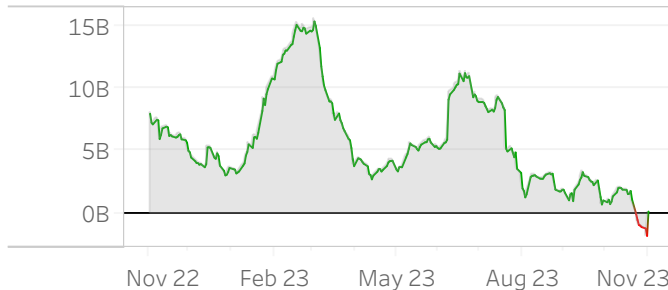
Developed ex-U.S. (EFA)



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



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



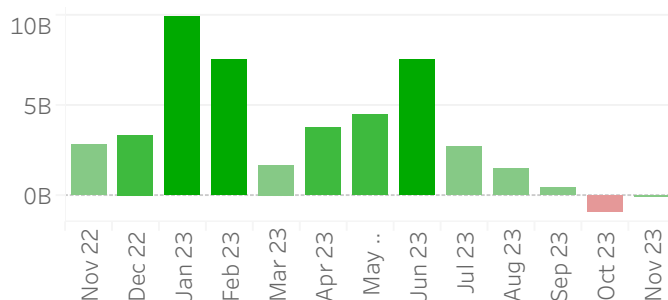
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWY	iShares MSCI South Korea ETF	2.37%
FLKR	Franklin FTSE South Korea ETF	2.17%
EIRL	iShares MSCI Ireland ETF	2.03%
ENZL	iShares MSCI New Zealand ETF	2.02%
EWA	iShares MSCI Australia ETF	1.83%
EWJV	iShares MSCI Japan Value ETF	1.76%
EWJ	iShares MSCI Japan ETF	1.71%
BBJP	JPMorgan BetaBuilders Japan ETF	1.71%
TOK	iShares MSCI Kokusai ETF	1.65%
VPL	Vanguard FTSE Pacific ETF	1.54%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	60.16
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	59.97
HEWJ	iShares Currency Hedged MSCI Japan ETF	59.74
DXJ	WisdomTree Japan Hedged Equity Fund	58.83
EWJV	iShares MSCI Japan Value ETF	55.80
DFJ	WisdomTree Japan SmallCap Dividend Fund	55.49
BBJP	JPMorgan BetaBuilders Japan ETF	55.08
EWJ	iShares MSCI Japan ETF	54.72
LVHI	Franklin International Low Volatility High Dividend Index ..	54.71
FLJP	Franklin FTSE Japan ETF	54.31

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	-0.47%
EWD	iShares MSCI Sweden ETF	-0.35%
EWO	iShares MSCI Sweden ETF	-0.21%
EDEN	iShares MSCI Denmark ETF	0.03%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.03%
EWH	iShares MSCI Hong Kong ETF	0.12%
GREK	Global X MSCI Greece ETF	0.15%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	0.21%
DDLS	WisdomTree Dynamic Currency Hedged International Sma..	0.30%
DFE	WisdomTree Europe SmallCap Dividend Fund	0.31%

Developed ex-U.S. Most Oversold

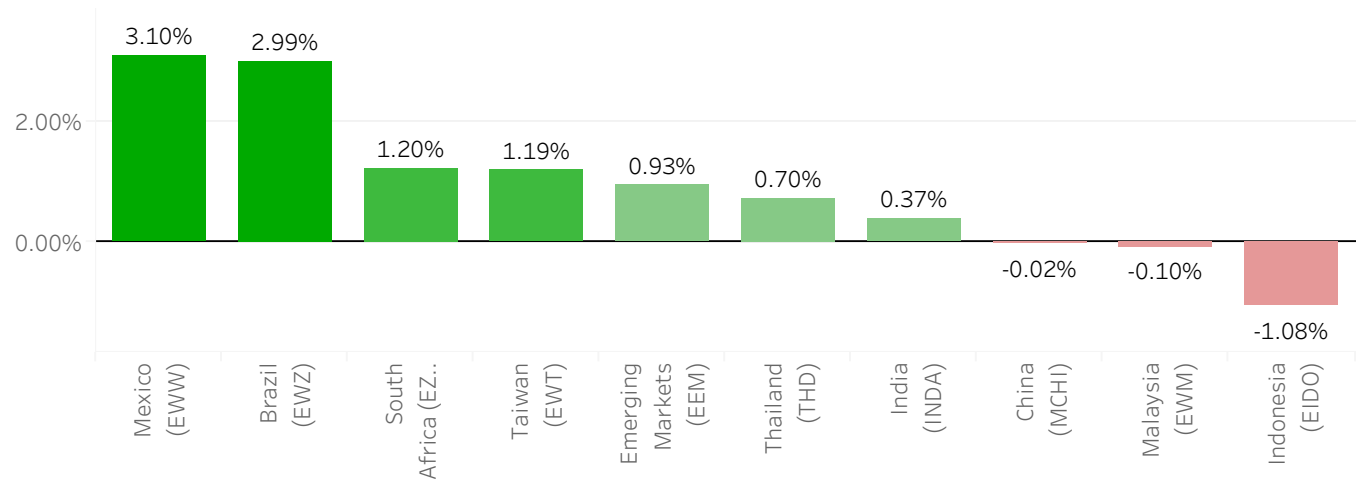
Ticker	Fund	Value
EIS	iShares MSCI Israel ETF	38.76
BBCA	JPMorgan BetaBuilders Canada ETF	39.11
EWD	iShares MSCI Sweden ETF	39.42
PTIN	Pacer Trendpilot International ETF	39.66
EWC	iShares MSCI Canada ETF	39.97
EWU	iShares MSCI United Kingdom ETF	40.29
FLKR	Franklin FTSE South Korea ETF	40.43
FLGB	Franklin FTSE United Kingdom ETF	40.78
DFIV	Dimensional International Value ETF	41.20
IVAL	Alpha Architect International Quantitative Value ETF	41.51

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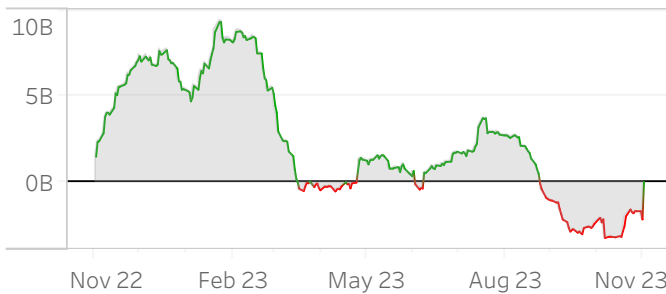
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



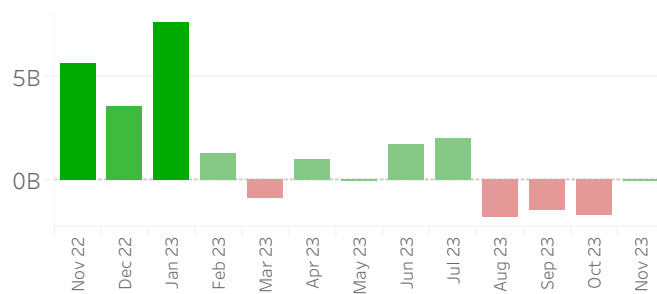
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
FLN	First Trust Latin America AlphaDEX Fund	3.19%
EWW	iShares MSCI Mexico ETF	3.10%
FLBR	Franklin FTSE Brazil ETF	3.04%
EWZ	iShares MSCI Brazil ETF	2.99%
FLLA	Franklin FTSE Latin America ETF	2.78%
ILF	iShares Latin America 40 ETF	2.70%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.94%
KSA	iShares MSCI Saudi Arabia ETF	1.87%
QAT	iShares MSCI Qatar ETF	1.72%
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	1.62%

Emerging Most Overbought

Ticker	Fund	Price
EPOL	iShares MSCI Poland ETF	66.23
KSA	iShares MSCI Saudi Arabia ETF	56.32
ILF	iShares Latin America 40 ETF	55.65
EWW	iShares MSCI Mexico ETF	54.50
EWZ	iShares MSCI Brazil ETF	53.65
FLBR	Franklin FTSE Brazil ETF	53.43
FLN	First Trust Latin America AlphaDEX Fund	53.25
FLLA	Franklin FTSE Latin America ETF	53.22
DVYE	iShares Emerging Markets Dividend ETF	51.74
EZA	iShares MSCI South Africa ETF	50.80

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-1.39%
EIDO	iShares MSCI Indonesia ETF	-1.08%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.52%
TUR	iShares MSCI Turkey ETF	-0.50%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.28%
FXI	iShares China Large-Cap ETF	-0.16%
PIN	Invesco India ETF	-0.13%
EWM	iShares MSCI Malaysia ETF	-0.10%
RAYC	Rayliant Quantamental China Equity ETF	-0.10%
ECNS	iShares MSCI China Small-Cap ETF	-0.08%

Emerging Most Oversold

Ticker	Fund	Price
EIDO	iShares MSCI Indonesia ETF	21.71
VNM	VanEck Vietnam ETF	32.78
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	34.47
PGJ	Invesco Golden Dragon China ETF	38.10
EPHE	iShares MSCI Philippines ETF	38.36
FM	iShares Frontier and Select EM ETF	38.67
TUR	iShares MSCI Turkey ETF	38.93
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	39.00
PIN	Invesco India ETF	39.36
KWT	iShares MSCI Kuwait ETF	39.38

*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	1.10%	-0.48%	-1.51%
SHY	1-3 Year Treasury Bonds	0.22%	0.56%	2.18%
IEF	7-10 Year Treasury Bonds	1.15%	-0.80%	-3.37%
TLT	20+ Year Treasury Bonds	2.16%	-3.41%	-12.10%
TIP	TIPS Bonds	0.87%	0.14%	-0.54%
FLOT	Floating Rate Bonds	0.01%	0.49%	5.42%
LQD	Investment Grade Corporate	1.43%	-1.02%	-1.63%
HYG	High Yield Corporate	0.95%	-0.10%	4.03%
BKLN	Senior Loan	0.24%	0.05%	9.16%
PFF	Preferred & Income Securities	1.81%	-2.97%	0.08%
MUB	Municipal Bonds	0.43%	-0.83%	-1.92%
MBB	MBS	1.29%	-0.87%	-2.96%
EMB	Dollar Denominated EM Bonds	1.31%	0.11%	0.90%
LEMB	Local Currency EM Bond	0.84%	-0.29%	0.06%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.46%	0.03%	-4.63%
DBE	Energy	-0.49%	-4.66%	-1.54%
USO	WTI Crude Oil	-0.36%	-7.56%	6.62%
BNO	Brent Crude Oil	-0.40%	-6.21%	6.36%
UNG	Natural Gas	-3.07%	6.44%	-48.44%
UGA	Gasoline	-1.25%	-7.96%	3.90%
DBP	Precious Metals	-0.28%	6.23%	4.97%
GLD	Gold	-0.32%	7.03%	8.18%
SLV	Silver	-0.05%	3.10%	-4.77%
PPLT	abrdn Physical Platin..	-1.09%	1.77%	-14.28%
PALL	abrdn Physical Palla..	-1.27%	-11.24%	-38.13%
DBB	Base Metals	0.93%	-3.55%	-4.99%
CPER	Copper	0.44%	-0.96%	-1.26%
DBA	Agriculture	-0.14%	2.66%	9.08%
CORN	Corn	-0.49%	0.50%	-17.82%
SOYB	Soybeans	0.21%	1.57%	-3.53%
WEAT	Wheat	0.35%	1.97%	-28.82%
CANE	Sugar	1.60%	2.98%	59.71%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.03%	1.04%	8.02%
UDN	Short Dollar	-0.22%	-0.33%	-1.03%
FXE	Euro	-0.14%	0.15%	-0.01%
FXB	British Pound Sterling	-0.02%	-0.15%	2.94%
FXF	Swiss Franc	0.17%	0.82%	1.54%
FXJ	Japanese Yen	0.47%	-1.00%	-13.40%
FXC	Canadian Dollar	-0.02%	-1.89%	-0.58%
FXA	Australian Dollar	0.77%	-0.45%	-5.26%

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