

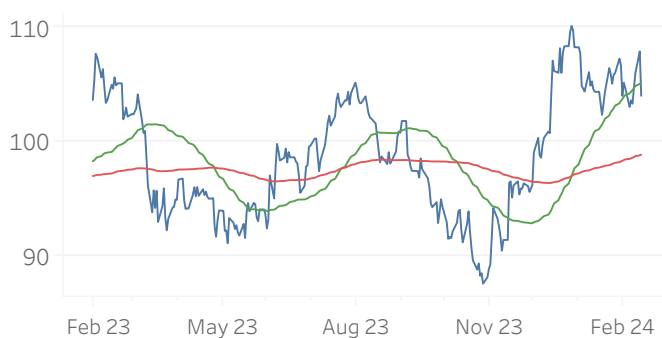
Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

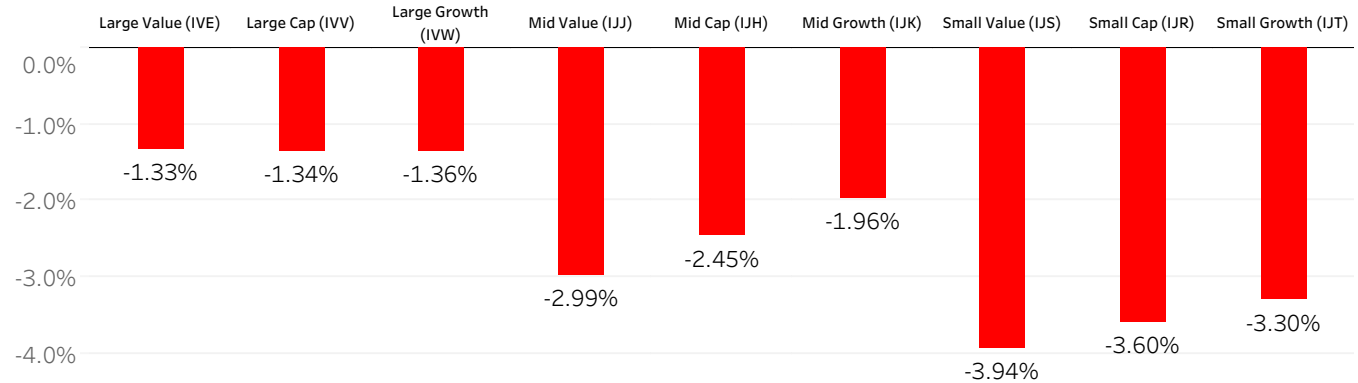


Small Cap Blend (S&P 600) IJR



■ 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
SPC	CrossingBridge Pre-Merger SPAC ETF	0.19%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.50%
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	-0.52%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	-0.59%
USMV	iShares MSCI USA Min Vol Factor ETF	-0.75%
ALTL	Pacer Lunt Large Cap Alternator ETF	-0.83%
FTCS	First Trust Capital Strength ETF	-0.84%
SPLV	Invesco S&P 500 Low Volatility ETF	-0.85%
GVIP	Goldman Sachs Hedge Industry VIP ETF	-0.90%
MBCC	Monarch Blue Chips Core ETF	-0.91%

Size & Style Most Overbought

Ticker	Fund	Value
SPMO	Invesco S&P 500 Momentum ETF	73.94
XMMO	Invesco S&P MidCap Momentum ETF	71.01
XMHQ	Invesco S&P MidCap Quality ETF	69.40
MBCC	Monarch Blue Chips Core ETF	69.27
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	68.81
MTUM	iShares MSCI USA Momentum Factor ETF	68.37
PWB	Invesco Large Cap Growth ETF	66.27
JMOM	JPMorgan U.S. Momentum Factor ETF	65.71
QUAL	iShares MSCI USA Quality Factor ETF	65.20
GVIP	Goldman Sachs Hedge Industry VIP ETF	65.02

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IWC	iShares Micro-Cap ETF	-5.10%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	-4.91%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-4.86%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-4.69%
SVAL	iShares US Small Cap Value Factor ETF	-4.55%
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	-4.31%
EES	WisdomTree U.S. SmallCap Fund	-4.24%
CSML	IndexIQ ETF Trust IQ U.S. Small Cap ETF	-4.22%
VTWV	Vanguard Russell 2000 Value ETF	-4.21%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-4.20%

Size & Style Most Oversold

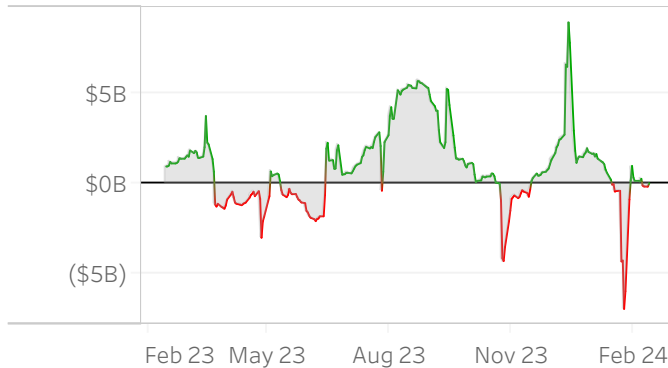
Ticker	Fund	Value
DIV	Global X SuperDividend US ETF	34.75
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	35.41
PEY	Invesco High Yield Equity Dividend Achievers ETF	36.16
DURA	VanEck Durable High Dividend ETF	38.39
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	39.95
CSB	VictoryShares US Small Cap High Dividend Volatility ..	40.57
SVAL	iShares US Small Cap Value Factor ETF	40.61
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	40.66
SMDV	ProShares Russell 2000 Dividend Growers ETF	40.72
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	40.84

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

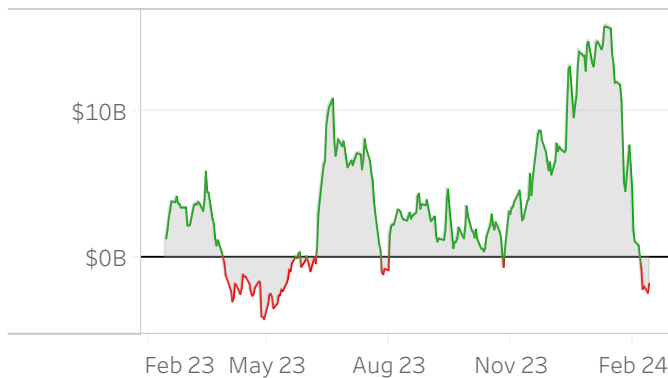
Large-Cap 30-Day Rolling Flows



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	\$1,783B	\$8.69B	\$79.09B	\$122.24B	\$172.07B
Large Cap, Beta, Beta: Growth	10	\$347B	\$0.42B	\$4.23B	\$14.86B	\$19.86B
Large Cap, Beta, Beta: Value	11	\$248B	\$0.32B	\$5.97B	\$7.39B	(\$0.51B)
Mid Cap, Beta, Beta	10	\$215B	\$0.07B	\$0.31B	\$1.80B	\$6.49B
Mid Cap, Beta, Beta: Growth	6	\$41B	(\$0.02B)	\$0.30B	\$0.41B	\$1.45B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.19B)	(\$0.38B)	(\$1.37B)	(\$3.14B)
Small Cap, Beta, Beta	11	\$231B	\$0.89B	\$7.31B	\$10.68B	\$15.19B
Small Cap, Beta, Beta: Growth	7	\$38B	\$0.02B	\$0.81B	\$1.39B	\$1.63B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.05B)	\$0.05B	(\$0.57B)	(\$2.23B)

U.S. Size & Style Flow Leaders

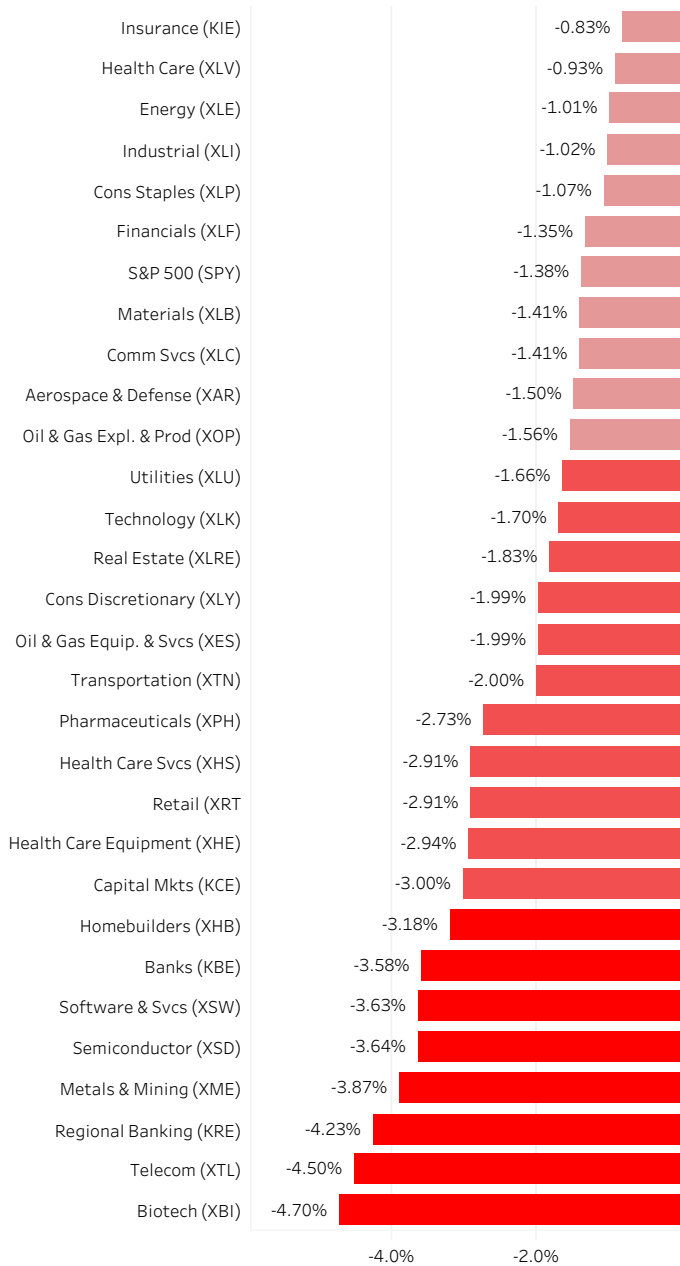
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$4.23B	\$21.43B	\$22.16B	\$27.08B	\$494.59B
VTI	Vanguard Total Stock Market ETF	\$2.49B	\$10.72B	\$16.43B	\$25.16B	\$371.09B
VOO	Vanguard S&P 500 ETF	\$2.02B	\$19.58B	\$30.19B	\$54.71B	\$406.63B
QQQ	Invesco QQQ Trust Series I	\$1.57B	\$7.16B	\$13.82B	\$15.89B	\$250.55B
IWM	iShares Russell 2000 ETF	\$0.88B	\$2.47B	\$4.08B	\$3.42B	\$62.54B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.41B	\$0.82B	(\$0.27B)	(\$0.47B)	\$33.33B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.35B	\$4.17B	\$6.53B	\$8.51B	\$29.22B
VB	Vanguard Small-Cap ETF	\$0.33B	\$1.75B	\$2.31B	\$2.99B	\$52.03B
IWB	iShares Russell 1000 ETF	\$0.33B	(\$0.39B)	(\$0.37B)	(\$0.83B)	\$34.12B
QQQM	Invesco NASDAQ 100 ETF	\$0.29B	\$4.32B	\$5.53B	\$10.15B	\$22.50B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVW	iShares S&P 500 Growth ETF	(\$0.30B)	(\$2.02B)	(\$2.24B)	(\$0.58B)	\$37.90B
IJR	iShares Core S&P Small Cap ETF	(\$0.26B)	\$1.44B	\$1.76B	\$2.80B	\$77.40B
MDYV	SPDR S&P 400 Mid Cap Value ETF	(\$0.19B)	\$0.08B	\$0.04B	(\$0.52B)	\$2.45B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.19B)	(\$0.23B)	(\$0.69B)	(\$1.13B)	\$12.04B
AUSF	Global X Adaptive U.S. Factor ETF	(\$0.12B)	\$0.01B	\$0.01B	\$0.01B	\$0.22B
IWV	iShares Russell 3000 ETF	(\$0.11B)	\$0.21B	\$0.13B	(\$0.16B)	\$13.09B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.10B)	(\$0.02B)	(\$0.30B)	(\$0.66B)	\$20.59B
DGRW	WisdomTree US Quality Dividend Growth Fund	(\$0.09B)	\$0.47B	\$1.26B	\$2.52B	\$12.05B
FVD	First Trust Value Line Dividend Index Fund	(\$0.08B)	(\$0.91B)	(\$1.77B)	(\$2.17B)	\$10.29B
IWD	iShares Russell 1000 Value ETF	(\$0.08B)	(\$1.46B)	(\$1.00B)	(\$3.62B)	\$52.66B

\* 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)
XLI	Industrial Select Sector SPDR Fund	-1.02%	20.20%	2.63%	8.95%	59.91
XLV	Health Care Select Sector SPDR Fund	-1.05%	16.01%	3.24%	7.59%	62.44
XLF	Financial Select Sector SPDR Fund	-1.35%	25.02%	2.43%	11.31%	55.91
SPY	SPDR S&P 500 ETF Trust	-1.42%	28.21%	3.28%	10.32%	59.49
XLC	Communication Services Select Sector SPDR Fund	-1.81%	49.83%	5.62%	15.01%	59.83
XLK	Technology Select Sector SPDR Fund	-2.44%	49.62%	4.15%	14.89%	56.53
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.89%	27.47%	0.16%	5.56%	51.51
XLB	Materials Select Sector SPDR Fund	-4.16%	10.96%	-1.17%	1.94%	48.04
XLP	Consumer Staples Select Sector SPDR Fund	-6.01%	10.00%	0.86%	1.07%	49.40
XLRE	Real Estate Select Sector SPDR Fund	-7.19%	16.78%	-3.64%	1.84%	40.24
XLE	Energy Select Sector SPDR Fund	-10.69%	8.87%	0.13%	-1.42%	50.29
XLU	Utilities Select Sector SPDR Fund	-14.31%	6.71%	-4.16%	-5.30%	39.65

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWP	Invesco KBW Property & Casualty Insurance ETF	-0.42%
MLPA	Global X MLP ETF	-0.47%
IAK	iShares U.S. Insurance ETF	-0.53%
ITA	iShares U.S. Aerospace & Defense ETF	-0.63%
PPA	Invesco Aerospace & Defense ETF	-0.72%
IYK	iShares U.S. Consumer Staples ETF	-0.74%
KIE	SPDR S&P Insurance ETF	-0.83%
BIZD	VanEck BDC Income ETF	-0.87%
IYH	iShares U.S. Healthcare ETF	-0.93%
XLV	Health Care Select Sector SPDR Fund	-0.93%

### Sector & Industry Most Overbought

Ticker	Fund	Technical Indicator
KBWP	Invesco KBW Property & Casualty Insurance ETF	68.62
IHE	iShares U.S. Pharmaceuticals ETF	67.26
IAK	iShares U.S. Insurance ETF	65.14
PINK	Simplify Health Care ETF	65.03
PPA	Invesco Aerospace & Defense ETF	63.43
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	63.23
IYH	iShares U.S. Healthcare ETF	62.83
XLV	Health Care Select Sector SPDR Fund	62.44
IGM	iShares Expanded Tech Sector ETF	62.32
IGPT	Invesco AI and Next Gen Software ETF	62.08

### Sector & Industry 1 Day Performance Laggards

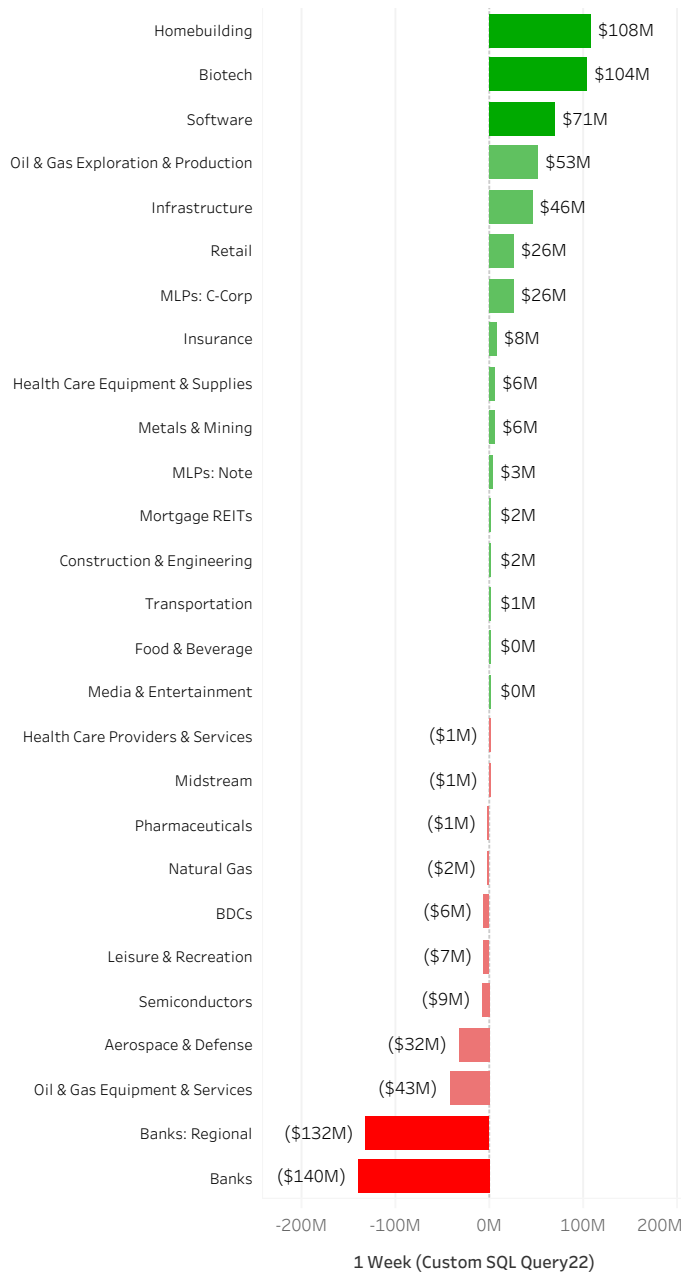
Ticker	Fund	1 Day Performance
FXZ	First Trust Materials AlphaDEX Fund	-4.98%
KBWR	Invesco KBW Regional Banking ETF	-4.86%
PSCT	Invesco S&P SmallCap Information Technology ETF	-4.83%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-4.77%
XBI	SPDR S&P BIOTECH ETF	-4.70%
XTL	SPDR S&P Telecom ETF	-4.50%
KRE	SPDR S&P Regional Banking ETF	-4.23%
MORT	VanEck Mortgage REIT Income ETF	-4.06%
REM	iShares Mortgage Real Estate ETF	-3.89%
AIRR	First Trust RBA American Industrial Renaissance ETF	-3.89%

### Sector & Industry Most Oversold

Ticker	Fund	Technical Indicator
REM	iShares Mortgage Real Estate ETF	32.43
RIET	Hoya Capital High Dividend Yield ETF	32.44
KBWD	Invesco KBW High Dividend Yield Financial ETF	32.71
MORT	VanEck Mortgage REIT Income ETF	33.74
NETL	NETlease Corporate Real Estate ETF	33.87
FBT	First Trust NYSE Arca Biotechnology Index Fund	35.56
RSPR	Invesco S&P 500 Equal Weight Real Estate ETF	35.66
REZ	iShares Residential and Multisector Real Estate ETF	35.80
ROOF	IQ CBRE NextGen Real Estate ETF	35.85
QABA	First Trust NASDAQ ABA Community Bank Index Fund	36.25

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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	\$23B	\$126M	\$1,062M	\$540M	\$3,709M
Consumer Discretionary	12	\$30B	\$235M	\$2,056M	\$1,539M	\$3,413M
Consumer Staples	10	\$26B	(\$699M)	(\$1,421M)	(\$4,868M)	(\$3,438M)
Energy	30	\$70B	\$39M	(\$2,535M)	\$52M	(\$6,448M)
Financials	26	\$64B	\$193M	\$3,492M	(\$2,178M)	(\$981M)
Health Care	23	\$92B	(\$55M)	(\$477M)	(\$4,150M)	(\$8,156M)
Industrial	13	\$38B	\$123M	\$884M	(\$517M)	\$1,572M
Materials	9	\$11B	(\$212M)	(\$943M)	(\$1,918M)	(\$3,774M)
Multi-Sector	16	\$21B	\$145M	\$363M	(\$419M)	\$2,664M
Real Estate	25	\$58B	(\$8M)	\$1,752M	\$985M	(\$1,317M)
Technology	23	\$192B	\$188M	\$5,407M	\$9,162M	\$9,308M
Utilities	9	\$20B	\$29M	(\$1,038M)	(\$2,253M)	(\$2,840M)

## U.S. Sector & Industry Flow Leaders

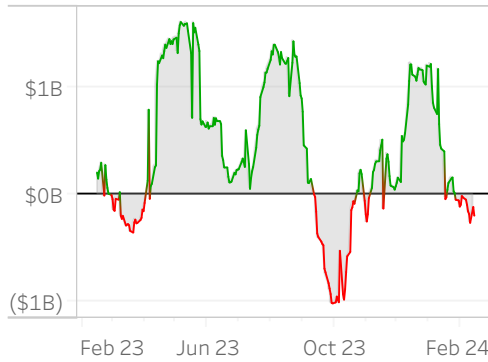
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$369M	\$2,553M	(\$1,492M)	\$483M	\$36,814M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$222M	\$1,486M	\$1,639M	\$2,224M	\$19,849M
XLC	Communication Services Select Sector SPDR Fu..	\$142M	\$903M	\$452M	\$3,349M	\$17,542M
XLI	Industrial Select Sector SPDR Fund	\$140M	\$355M	(\$666M)	\$295M	\$16,354M
XHB	SPDR S&P Homebuilders ETF	\$113M	\$86M	\$75M	\$320M	\$1,794M
KCE	SPDR S&P Capital Markets ETF	\$108M	\$106M	\$205M	\$226M	\$393M
VGT	Vanguard Information Technology ETF	\$103M	\$2,071M	\$2,471M	\$1,607M	\$64,573M
XBI	SPDR S&P BIOTECH ETF	\$84M	(\$139M)	(\$126M)	(\$1,304M)	\$7,232M
IGV	iShares Expanded Tech-Software Sector ETF	\$65M	(\$387M)	(\$153M)	\$82M	\$7,913M
XLE	Energy Select Sector SPDR Fund	\$60M	(\$1,952M)	\$100M	(\$2,725M)	\$35,640M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$654M)	(\$930M)	(\$2,424M)	(\$1,144M)	\$15,382M
XLB	Materials Select Sector SPDR Fund	(\$203M)	(\$654M)	(\$900M)	(\$1,102M)	\$4,945M
XLV	Health Care Select Sector SPDR Fund	(\$123M)	(\$99M)	(\$1,927M)	(\$2,913M)	\$40,790M
KRE	SPDR S&P Regional Banking ETF	(\$94M)	\$100M	(\$138M)	\$1,121M	\$3,133M
KBWB	Invesco KBW Bank ETF	(\$73M)	\$1M	(\$525M)	(\$545M)	\$1,447M
KBE	SPDR S&P Bank ETF	(\$65M)	\$482M	\$283M	\$235M	\$1,763M
IAT	iShares U.S. Regional Banks ETF	(\$36M)	(\$82M)	(\$145M)	\$27M	\$630M
VOX	Vanguard Communication Services ETF	(\$32M)	\$129M	\$47M	\$229M	\$4,002M
VFH	Vanguard Financials ETF	(\$31M)	(\$236M)	(\$855M)	(\$697M)	\$9,021M
RSPG	Invesco S&P 500 Equal Weight Energy ETF	(\$30M)	(\$74M)	(\$19M)	(\$45M)	\$516M

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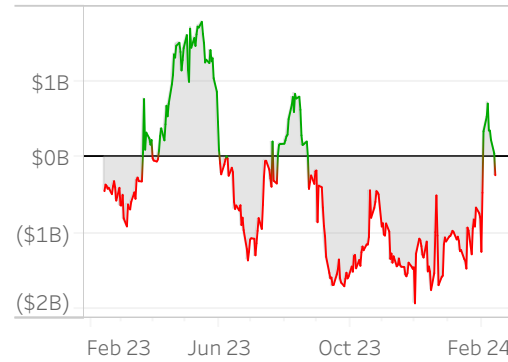
Communication Services



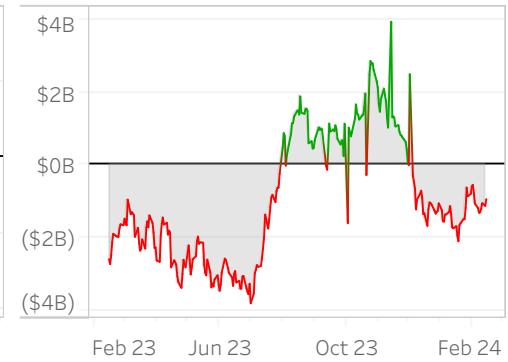
Consumer Discretionary



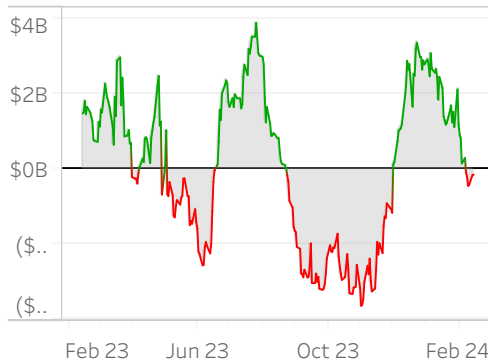
Consumer Staples



Energy



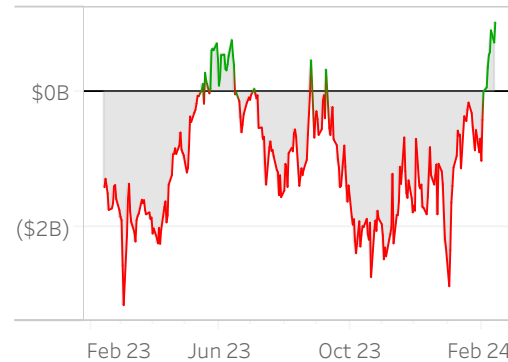
Financials



Industrial



Health Care



Materials



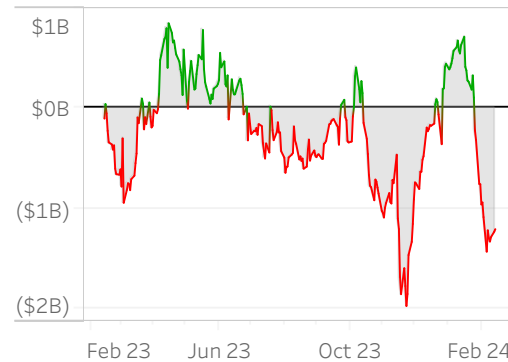
Real Estate



Technology



Utilities

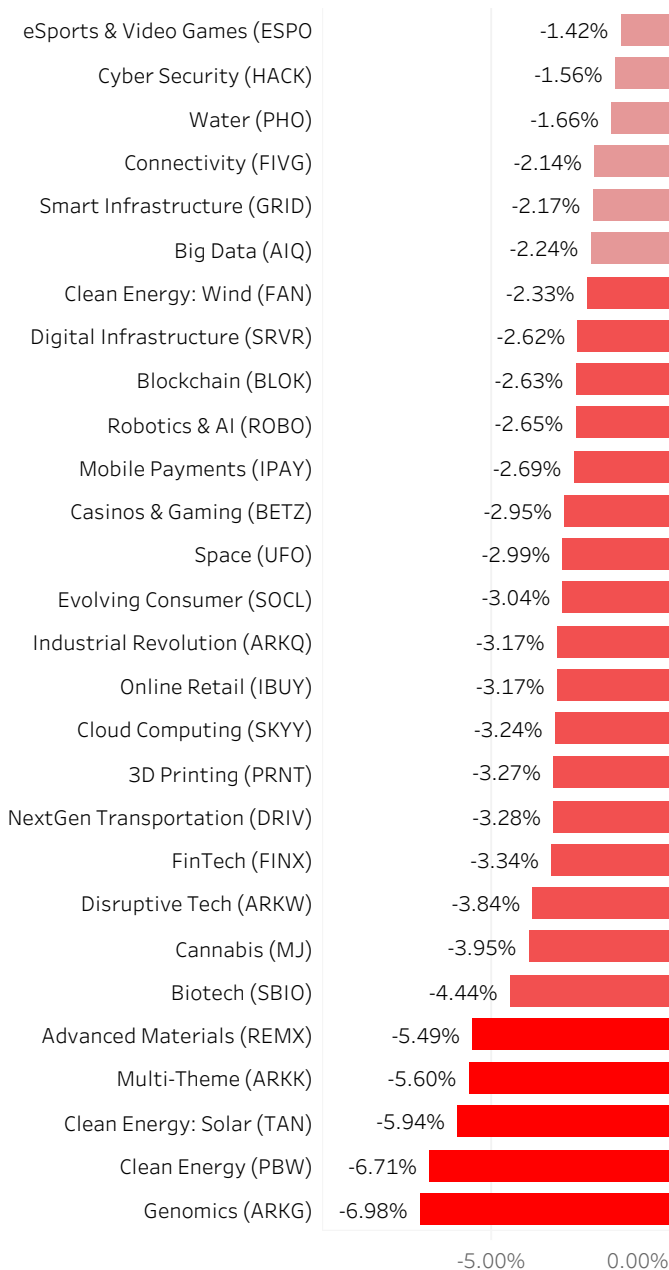


Multi-Sector

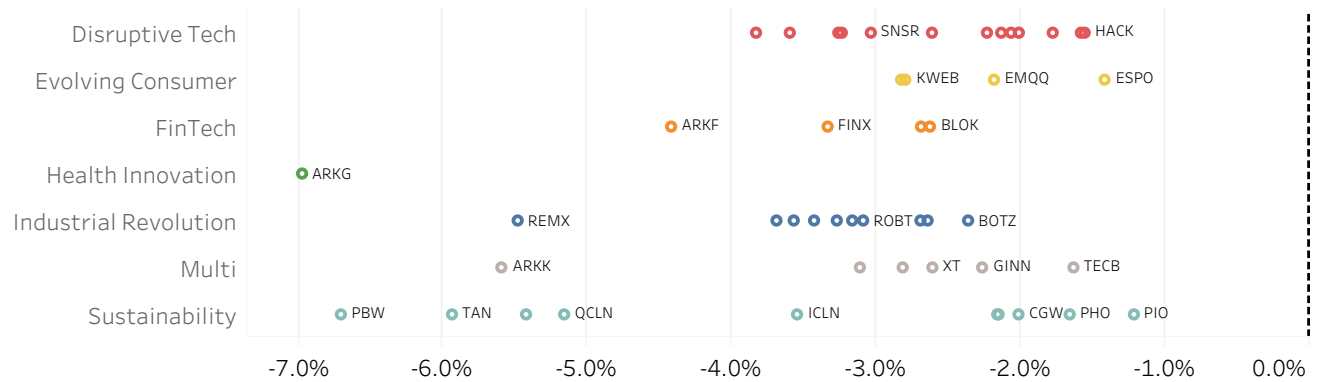


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EVX	VanEck Environmental Services ETF	0.04%
KLDW	Knowledge Leaders Developed World ETF	-1.19%
PIO	Invesco Global Water ETF	-1.22%
AGNG	Global X Aging Population ETF	-1.25%
EBLU	Ecofin Global Water ESG Fund	-1.29%
SAMT	Strategas Macro Thematic Opportunities ETF	-1.30%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.36%
ESPO	VanEck Video Gaming and eSports ETF	-1.42%
AWAY	Amplify Travel Tech ETF	-1.56%
HACK	Amplify Cybersecurity ETF	-1.56%

Thematic Most Overbought

Ticker	Fund	Price
WGMI	Valkyrie Bitcoin Miners ETF	64.91
BLOK	Amplify Transformational Data Sharing ETF	64.28
ENTR	ERShares Entrepreneurs ETF	64.27
BKCH	Global X Blockchain ETF	64.00
EVX	VanEck Environmental Services ETF	63.58
HACK	Amplify Cybersecurity ETF	63.34
SPRX	Spear Alpha ETF	62.73
GBUY	Goldman Sachs Future Consumer Equity ETF	62.38
FDIG	Fidelity Crypto Industry and Digital Payments ETF	61.66
SAMT	Strategas Macro Thematic Opportunities ETF	61.28

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ARKG	ARK Genomic Revolution ETF	-6.98%
PBW	Invesco WilderHill Clean Energy ETF	-6.71%
TAN	Invesco Solar ETF	-5.94%
ARKK	ARK Innovation ETF	-5.60%
CNRG	SPDR S&P Kensho Clean Power ETF	-5.58%
REMX	VanEck Rare Earth/Strategic Metals ETF	-5.49%
ACES	ALPS Clean Energy ETF	-5.43%
GNOM	Global X Genomics & Biotechnology ETF	-5.39%
CTEC	Global X CleanTech ETF	-5.29%
DAPP	VanEck Digital Transformation ETF	-5.22%

Thematic Most Oversold

Ticker	Fund	Price
REMX	VanEck Rare Earth/Strategic Metals ETF	35.35
LIT	Global X Lithium & Battery Tech ETF	35.82
BATT	Amplify Lithium & Battery Technology ETF	36.19
FAN	First Trust Global Wind Energy ETF	36.29
SMOG	VanEck Low Carbon Energy ETF	37.58
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	38.69
SRVR	Pacer Data & Infrastructure Real Estate ETF	38.82
PBD	Invesco Global Clean Energy ETF	40.87
IDRV	iShares Self-driving EV & Tech ETF	41.71
ERTH	Invesco MSCI Sustainable Future ETF	41.92

\* 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
KWEB	KraneShares CSI China Internet ETF	\$175M
AIQ	Global X Artificial Intelligence & Technology ETF	\$83M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$73M
XITK	SPDR FactSet Innovative Technology ETF	\$67M
ARKK	ARK Innovation ETF	\$53M
MSOS	AdvisorShares Pure US Cannabis ETF	\$44M
HAIL	SPDR S&P Kensho Smart Mobility ETF	\$30M
IHAK	iShares Cybersecurity & Tech ETF	\$22M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$21M
HACK	Amplify Cybersecurity ETF	\$20M

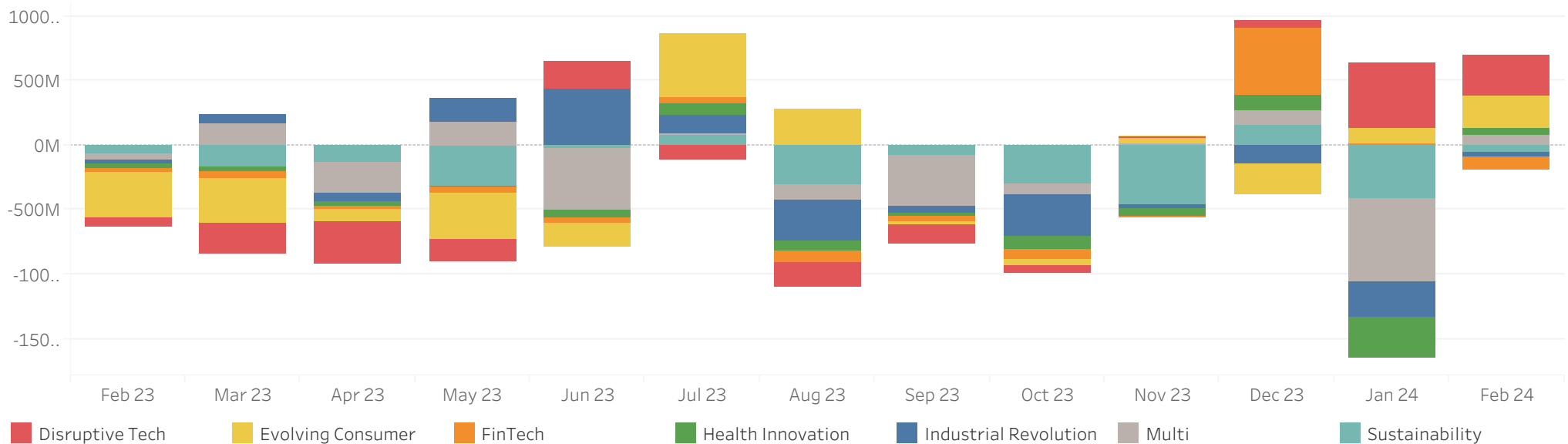
## Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
BLOK	Amplify Transformational Data Sharing ETF	(\$65M)
ICLN	iShares Global Clean Energy ETF	(\$24M)
SKYY	First Trust Cloud Computing ETF	(\$19M)
LIT	Global X Lithium & Battery Tech ETF	(\$19M)
METV	Roundhill Ball Metaverse ETF	(\$15M)
ARKF	ARK Fintech Innovation ETF	(\$12M)
ARKG	ARK Genomic Revolution ETF	(\$10M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$8M)
GINN	Goldman Sachs Innovate Equity ETF	(\$8M)
TARK	AXS 2X Innovation ETF	(\$7M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$264M	\$866M	\$550M	(\$202M)
Evolving Consumer	37	\$9B	\$201M	\$292M	\$69M	(\$427M)
FinTech	17	\$4B	(\$46M)	\$430M	\$258M	\$68M
Health Innovation	17	\$3B	(\$14M)	(\$96M)	(\$349M)	(\$474M)
Industrial Revolution	30	\$10B	\$6M	(\$483M)	(\$976M)	(\$423M)
Multi	35	\$16B	\$63M	(\$366M)	(\$857M)	(\$1,461M)
Sustainability	40	\$13B	(\$5M)	(\$417M)	(\$1,311M)	(\$2,126M)
Grand Total	209	\$74B	\$469M	\$226M	(\$2,614M)	(\$5,045M)

## Thematic Monthly Flows

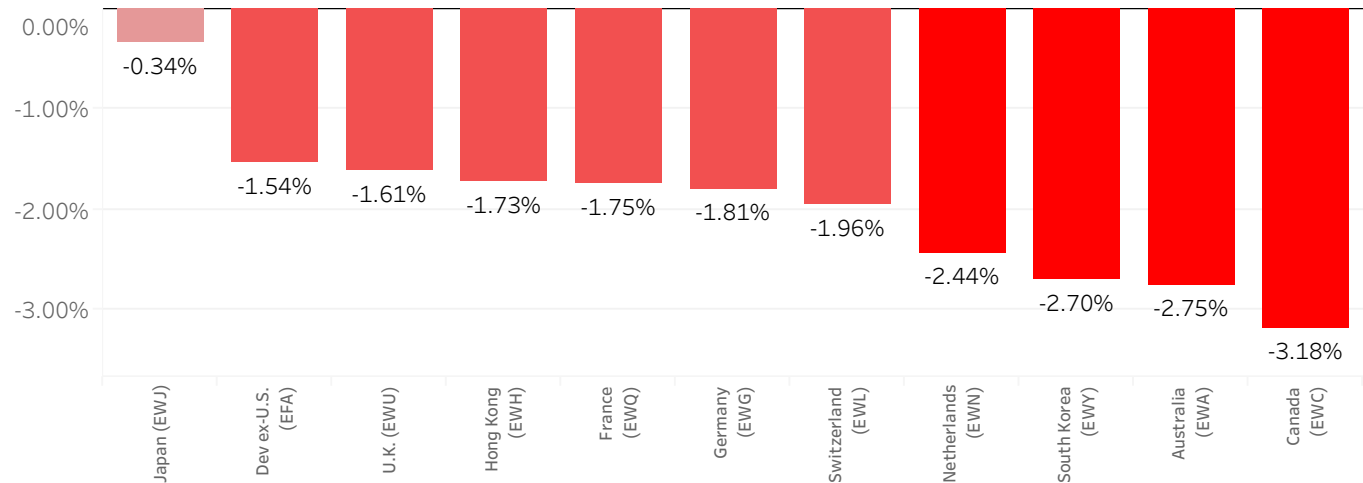


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



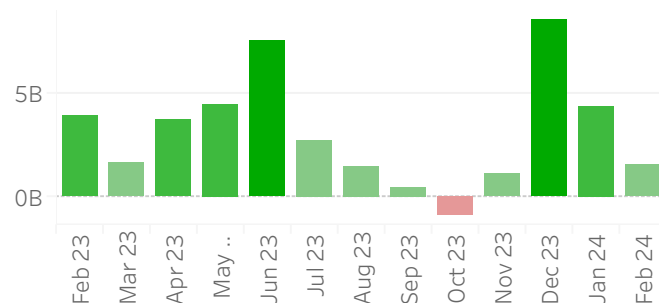
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DXJ	WisdomTree Japan Hedged Equity Fund	0.82%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.62%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.61%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.06%
EWJV	iShares MSCI Japan Value ETF	-0.20%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.31%
EWJ	iShares MSCI Japan ETF	-0.34%
FLJP	Franklin FTSE Japan ETF	-0.38%
JPXN	iShares JPX-Nikkei 400 ETF	-0.51%
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.61%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	80.23
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	76.25
HEWJ	iShares Currency Hedged MSCI Japan ETF	75.22
HEDJ	WisdomTree Europe Hedged Equity Fund	63.24
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	62.26
HEFA	iShares Currency Hedged MSCI EAFE ETF	61.06
EIS	iShares MSCI Israel ETF	60.96
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	60.77
EWJ	iShares MSCI Japan ETF	59.27
IMTM	iShares MSCI Intl Momentum Factor ETF	58.89

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	-3.22%
FLCA	Franklin FTSE Canada ETF	-3.22%
EWC	iShares MSCI Canada ETF	-3.18%
BBCA	JPMorgan BetaBuilders Canada ETF	-3.01%
EWD	iShares MSCI Sweden ETF	-2.87%
FLKR	Franklin FTSE South Korea ETF	-2.76%
EWA	iShares MSCI Australia ETF	-2.75%
EWY	iShares MSCI South Korea ETF	-2.70%
EPP	iShares MSCI Pacific ex-Japan ETF	-2.55%
IEUS	iShares MSCI Europe Small-Cap ETF	-2.52%

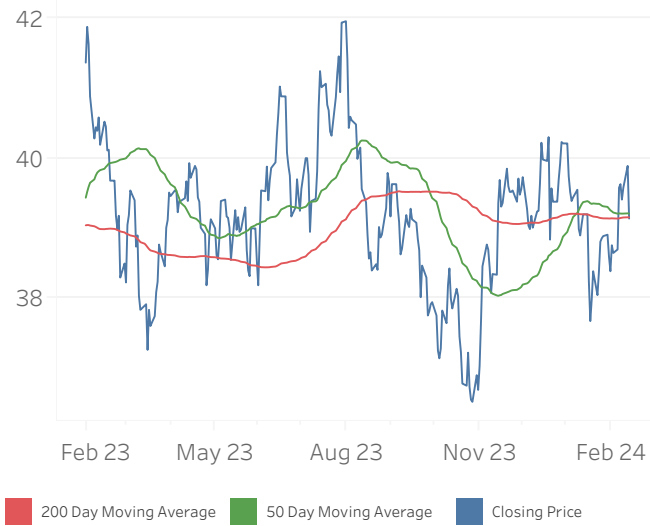
Developed ex-U.S. Most Oversold

Ticker	Fund	Value
FDD	First Trust Stoxx European Select Dividend Index Fu..	26.07
FIDI	Fidelity International High Dividend ETF	33.48
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	33.48
EWL	iShares MSCI Switzerland ETF	33.93
ENZL	iShares MSCI New Zealand ETF	33.97
IDOG	ALPS International Sector Dividend Dogs ETF	34.64
IDLV	Invesco S&P International Developed Low Volatility ..	35.55
IFAV	iShares MSCI EAFE Min Vol Factor ETF	35.83
EWP	iShares MSCI Spain ETF	35.87
EWO	iShares MSCI Austria ETF	35.92

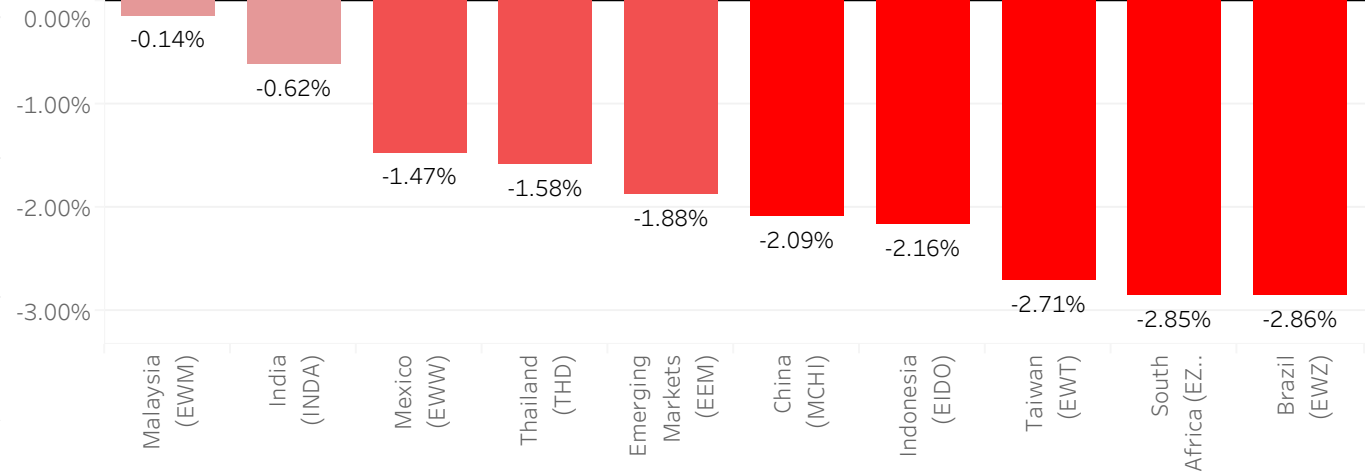
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



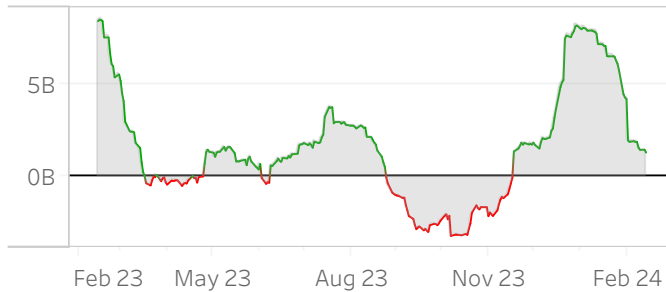
Emerging (EEM)



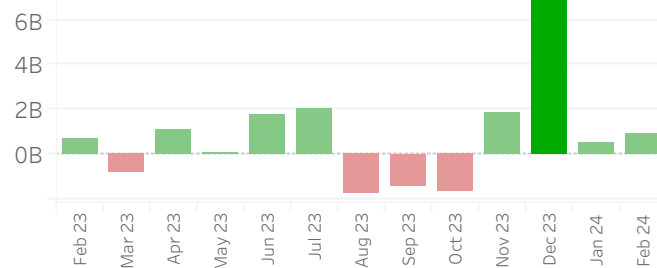
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWM	iShares MSCI Malaysia ETF	-0.14%
KSA	iShares MSCI Saudi Arabia ETF	-0.25%
CNYA	iShares MSCI China A ETF	-0.42%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.56%
INDA	iShares MSCI India ETF	-0.62%
INDY	iShares India 50 ETF	-0.63%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-0.63%
FLIN	Franklin FTSE India ETF	-0.70%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.87%
PIN	Invesco India ETF	-0.92%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	64.02
KSA	iShares MSCI Saudi Arabia ETF	61.42
EPHE	iShares MSCI Philippines ETF	58.37
GLIN	VanEck India Growth Leaders ETF	58.14
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	56.32
KWT	iShares MSCI Kuwait ETF	55.69
EYLD	Cambria Emerging Shareholder Yield ETF	55.56
NFTY	First Trust India NIFTY 50 Equal Weight ETF	55.51
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	55.17
CNYA	iShares MSCI China A ETF	54.43

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.66%
EPOL	iShares MSCI Poland ETF	-3.41%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-3.33%
NUEM	Nuveen ESG Emerging Markets Equity ETF	-3.22%
EWZ	iShares MSCI Brazil ETF	-2.86%
EZA	iShares MSCI South Africa ETF	-2.85%
PGJ	Invesco Golden Dragon China ETF	-2.75%
FLBR	Franklin FTSE Brazil ETF	-2.75%
EWT	iShares MSCI Taiwan ETF	-2.71%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-2.58%

Emerging Most Oversold

Ticker	Fund	Value
ECH	iShares MSCI Chile ETF	30.61
EWZS	iShares MSCI Brazil Small-Cap ETF	36.57
ARGT	Global X MSCI Argentina ETF	38.38
EZA	iShares MSCI South Africa ETF	39.47
THD	iShares MSCI Thailand ETF	39.71
EWZ	iShares MSCI Brazil ETF	40.07
FLBR	Franklin FTSE Brazil ETF	40.74
EWX	SPDR S&P Emerging Markets Small Cap ETF	40.75
FM	iShares Frontier and Select EM ETF	41.40
QAT	iShares MSCI Qatar ETF	41.70

\*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	-0.92%	-2.08%	-2.23%
SHY	1-3 Year Treasury Bonds	-0.32%	-0.66%	-0.29%
IEF	7-10 Year Treasury Bonds	-1.10%	-2.56%	-2.72%
TLT	20+ Year Treasury Bonds	-1.71%	-4.02%	-6.31%
TIP	TIPS Bonds	-0.64%	-1.95%	-1.67%
FLOT	Floating Rate Bonds	0.04%	0.61%	0.95%
LQD	Investment Grade Corporate	-1.10%	-2.79%	-2.99%
HYG	High Yield Corporate	-0.80%	-0.97%	-0.57%
BKLN	Senior Loan	-0.05%	0.08%	0.13%
PFF	Preferred & Income Securities	-1.43%	0.71%	1.97%
MUB	Municipal Bonds	-0.40%	-0.84%	-0.67%
MBB	MBS	-1.04%	-2.65%	-2.75%
EMB	Dollar Denominated EM Bonds	-1.23%	-1.88%	-2.48%
LEMB	Local Currency EM Bond	-0.58%	-2.38%	-2.61%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.53%	-1.72%	-2.11%
DBE	Energy	-0.37%	2.05%	4.98%
USO	WTI Crude Oil	0.75%	6.81%	9.00%
BNO	Brent Crude Oil	0.68%	6.42%	8.71%
UNG	Natural Gas	-4.02%	-43.11%	-23.47%
UGA	Gasoline	0.90%	11.66%	12.64%
DBP	Precious Metals	-1.55%	-2.92%	-4.03%
GLD	Gold	-1.38%	-2.73%	-3.47%
SLV	Silver	-2.70%	-4.67%	-7.25%
PPLT	abrdn Physical Platin..	-1.90%	-3.64%	-11.75%
PALL	abrdn Physical Palla..	-3.20%	-11.56%	-21.10%
DBB	Base Metals	-0.71%	-2.77%	-7.98%
CPER	Copper	-0.41%	-0.77%	-4.43%
DBA	Agriculture	-0.27%	6.70%	6.03%
CORN	Corn	0.25%	-2.96%	-7.28%
SOYB	Soybeans	-0.40%	-3.44%	-7.59%
WEAT	Wheat	-0.36%	-3.14%	-6.87%
CANE	Sugar	-1.10%	7.48%	10.13%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.79%	2.88%	4.25%
UDN	Short Dollar	-0.83%	-2.19%	-3.20%
FXE	Euro	-0.61%	-2.02%	-2.71%
FXB	British Pound Sterling	-0.40%	-1.02%	-0.94%
FXF	Swiss Franc	-1.31%	-3.93%	-5.19%
FXJ	Japanese Yen	-0.97%	-3.95%	-6.63%
FXC	Canadian Dollar	-0.87%	-0.99%	-2.08%
FXA	Australian Dollar	-1.21%	-3.35%	-5.11%

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