

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

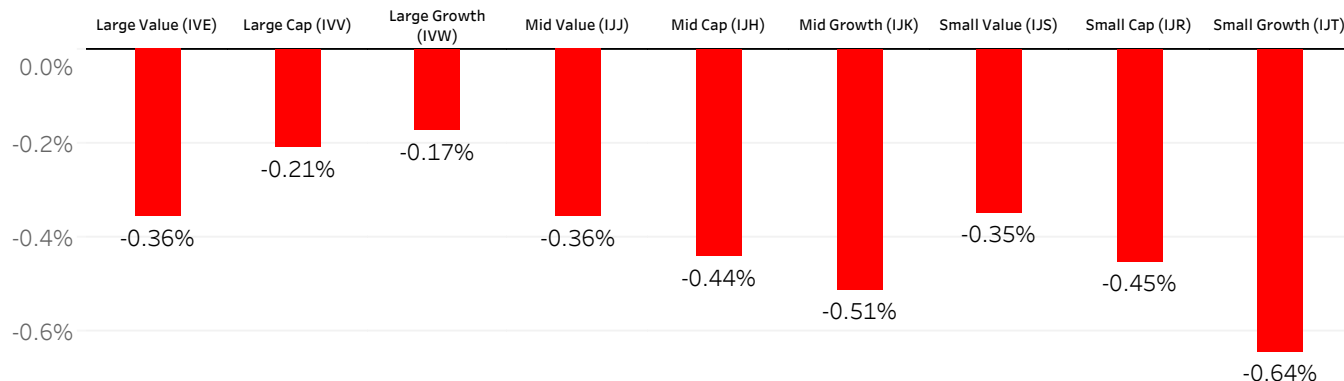


Small Cap Blend (S&P 600) IJR



■ 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
IWC	iShares Micro-Cap ETF	0.69%
QMOM	Momentumshares US Quantitative Momentum ETF	0.51%
BUZZ	VanEck Social Sentiment ETF	0.50%
IPO	Renaissance IPO ETF	0.32%
SPYX	SPDR S&P 500 Fossil Fuel Reserves Free ETF	0.31%
SPMO	Invesco S&P 500 Momentum ETF	0.18%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	0.18%
DWAS	Invesco DWA SmallCap Momentum ETF	0.17%
PTNQ	Pacer Trendpilot 100 ETF	0.12%
RYJ	Invesco Raymond James SB-1 Equity ETF	0.11%

Size & Style Most Overbought

Ticker	Fund	Value
CGDV	Capital Group Dividend Value ETF	50.20
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	50.02
HDV	iShares Core High Dividend ETF	49.85
TMFS	Motley Fool Small-Cap Growth ETF	49.56
SPLV	Invesco S&P 500 Low Volatility ETF	49.47
IWC	iShares Micro-Cap ETF	49.46
IWX	iShares Russell Top 200 Value ETF	49.30
SPMO	Invesco S&P 500 Momentum ETF	49.26
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	49.26
MGV	Vanguard Mega Cap Value ETF	48.99

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	-1.01%
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	-0.94%
SMDV	ProShares Russell 2000 Dividend Growers ETF	-0.94%
TMFM	Motley Fool Mid-Cap Growth ETF	-0.90%
XSLV	Invesco S&P SmallCap Low Volatility ETF	-0.85%
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	-0.83%
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	-0.82%
VSDA	VictoryShares Dividend Accelerator ETF	-0.80%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.79%
RUFF	Alpha Dog ETF	-0.78%

Size & Style Most Oversold

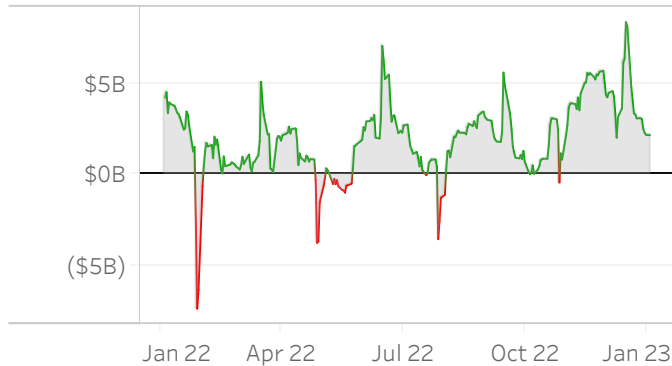
Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	25.83
FFTY	Innovator IBD 50 ETF	27.39
RUFF	Alpha Dog ETF	32.30
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	34.99
QVML	Invesco S&P 500 QVM Multi-factor ETF	35.31
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	36.08
SPC	CrossingBridge Pre-Merger SPAC ETF	36.62
QMOM	Momentumshares US Quantitative Momentum E..	37.37
RPHS	Regents Park Hedged Market Strategy ETF	37.71
WBIG	WBI BullBear Yield 3000 ETF	37.80

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

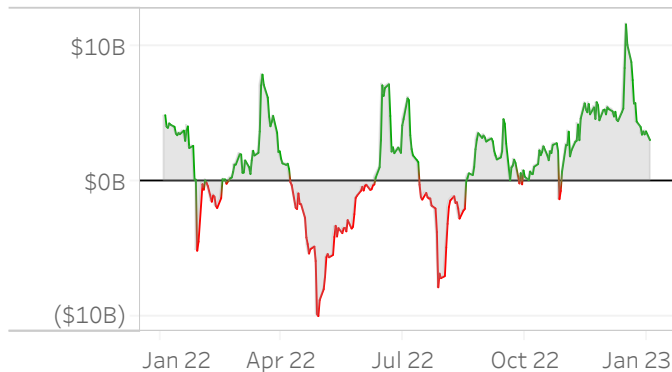
Large-Cap 30-Day Rolling Flows



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 Growth, Beta: Value	11	\$223B	\$0.57B	\$2.33B	\$2.95B	\$20.66B
Large Cap, Beta Growth, Beta: Growth	10	\$214B	\$0.50B	\$10.21B	\$15.83B	\$21.88B
Small Cap, Beta, Beta	13	\$187B	\$0.33B	\$4.78B	\$3.54B	\$1.47B
Mid Cap, Beta, Beta	10	\$178B	\$0.24B	\$5.42B	\$7.05B	\$11.99B
Small Cap, Beta, Beta: Value	7	\$49B	\$0.12B	\$1.30B	(\$0.63B)	(\$2.08B)
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.03B	\$1.32B	\$0.99B	\$1.57B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.01B	\$0.65B	\$1.18B	\$0.54B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.02B)	\$1.39B	\$1.30B	\$1.61B
Large Cap, Beta Growth, Beta	25	\$1,181B	(\$5.41B)	\$10.55B	\$35.88B	\$52.36B

U.S. Size & Style Flow Leaders

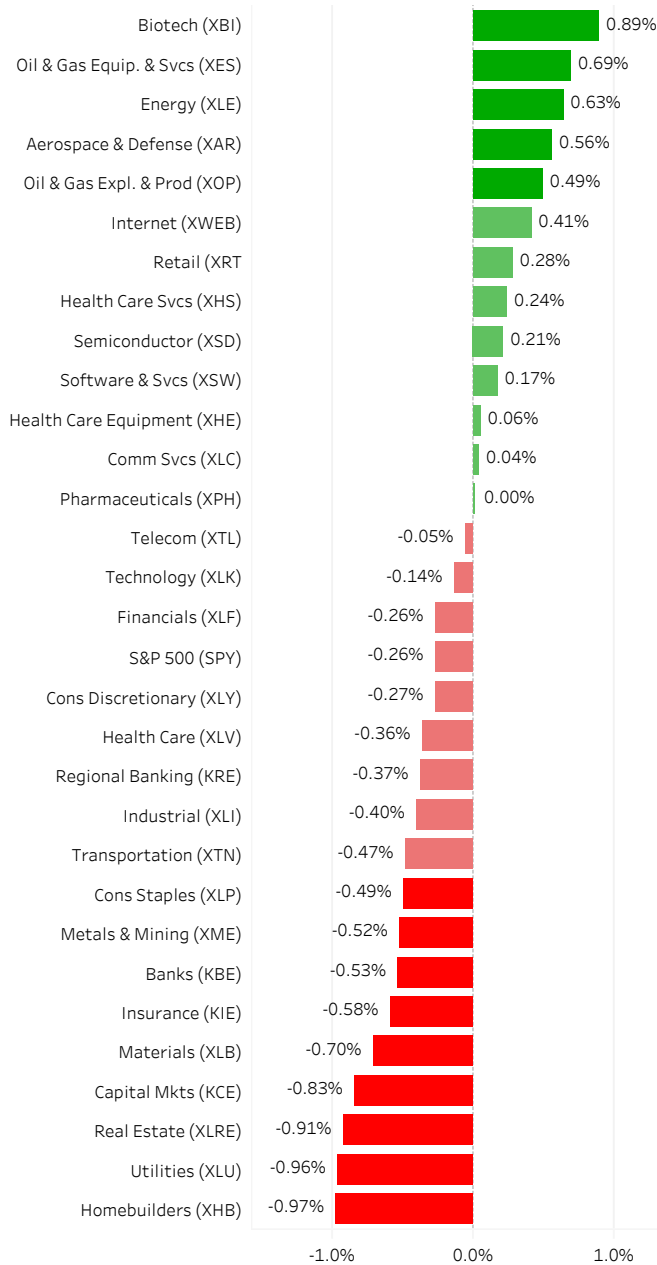
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$0.71B	\$6.36B	\$13.44B	\$25.97B	\$261.73B
QQQ	Invesco QQQ Trust	\$0.63B	(\$2.25B)	(\$0.30B)	\$0.18B	\$145.55B
HDV	iShares Core High Dividend ETF	\$0.49B	\$0.18B	\$0.00B	\$5.56B	\$13.12B
SCHD	Schwab US Dividend Equity ETF	\$0.31B	\$4.48B	\$8.08B	\$15.45B	\$44.77B
IWF	iShares Russell 1000 Growth ETF	\$0.29B	\$3.33B	\$3.49B	\$3.56B	\$59.55B
VTV	Vanguard Value ETF	\$0.24B	(\$3.52B)	(\$1.77B)	\$11.06B	\$99.55B
IWM	iShares Russell 2000 ETF	\$0.21B	\$2.34B	(\$0.17B)	(\$2.34B)	\$52.67B
IWD	iShares Russell 1000 Value ETF	\$0.17B	\$1.45B	\$0.98B	(\$0.15B)	\$54.40B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.15B	\$0.49B	\$0.82B	\$2.07B	\$29.56B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.14B	\$2.11B	\$2.20B	\$5.24B	\$32.82B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$5.38B)	\$2.98B	\$5.45B	(\$20.13B)	\$357.57B
IVV	iShares Core S&P 500 ETF	(\$0.59B)	\$2.06B	\$7.75B	\$18.81B	\$290.19B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	(\$0.42B)	(\$0.40B)	(\$0.32B)	\$2.67B	\$7.47B
VOO	Vanguard S&P 500 ETF	(\$0.35B)	\$3.65B	\$14.60B	\$39.97B	\$262.92B
MGK	Vanguard Mega Cap Growth ETF	(\$0.07B)	(\$0.32B)	(\$0.06B)	\$0.09B	\$9.51B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.06B)	(\$0.01B)	\$0.16B	(\$0.38B)	\$13.04B
IJT	iShares S&P Small-Cap 600 Growth ETF	(\$0.04B)	\$0.21B	\$0.40B	\$0.28B	\$5.24B
RPG	Invesco S&P 500 Pure Growth ETF	(\$0.04B)	(\$0.08B)	(\$0.03B)	(\$0.53B)	\$2.16B
SPHD	Invesco S&P 500 High Dividend Low Volatility ..	(\$0.03B)	\$0.11B	\$0.05B	\$0.91B	\$3.88B
RDVY	First Trust Rising Dividend Achievers ETF	(\$0.03B)	(\$0.43B)	(\$0.72B)	\$1.31B	\$7.82B

* 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)
XLV	Health Care Select Sector SPDR Fund	-4.89%	13.31%	0.58%	3.75%	49.25
XLE	Energy Select Sector SPDR Fund	-7.03%	40.06%	-1.51%	8.12%	51.80
XLP	Consumer Staples Select Sector SPDR Fund	-7.47%	12.11%	0.16%	1.03%	46.22
XLI	Industrial Select Sector SPDR Fund	-7.78%	18.55%	0.21%	4.41%	48.67
XLU	Utilities Select Sector SPDR Fund	-9.75%	14.60%	1.86%	-1.14%	50.25
XLB	Materials Select Sector SPDR Fund	-14.21%	15.39%	-1.52%	-1.40%	42.94
XLF	Financial Select Sector SPDR Fund	-17.11%	12.91%	-1.12%	0.83%	48.26
SPY	SPDR S&P 500 ETF Trust	-17.71%	10.00%	-1.93%	-3.95%	44.66
XLK	Technology Select Sector SPDR Fund	-24.93%	6.76%	-3.39%	-7.65%	42.99
XLRE	Real Estate Select Sector SPDR Fund	-27.02%	4.36%	-1.53%	-10.54%	44.69
XLY	Consumer Discretionary Select Sector SPDR Fund	-34.58%	2.30%	-6.88%	-14.91%	37.37
XLC	Communication Services Select Sector SPDR Fund	-37.32%	0.00%	-1.86%	-12.79%	46.63

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXJ	Invesco Dynamic Oil & Gas Services ETF	0.99%
XBI	SPDR S&P BIOTECH ETF	0.89%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.81%
PTH	Invesco DWA Healthcare Momentum ETF	0.72%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	0.69%
FENY	Fidelity MSCI Energy Index ETF	0.68%
MLPA	Global X MLP ETF	0.66%
FCG	First Trust Natural Gas ETF	0.66%
IYE	iShares U.S. Energy ETF	0.65%
XLE	Energy Select Sector SPDR Fund	0.63%

Sector & Industry Most Overbought

Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	57.96
IEZ	iShares U.S. Oil Equipment & Services ETF	57.25
PXJ	Invesco Dynamic Oil & Gas Services ETF	56.82
ITA	iShares U.S. Aerospace & Defense ETF	56.00
XAR	SPDR S&P Aerospace & Defense ETF	54.91
XBI	SPDR S&P BIOTECH ETF	54.83
PPA	Invesco Aerospace & Defense ETF	54.10
IHE	iShares U.S. Pharmaceuticals ETF	53.86
FXH	First Trust Health Care AlphaDEX Fund	53.25
IHI	iShares U.S. Medical Devices ETF	53.25

Sector & Industry 1 Day Performance Laggards

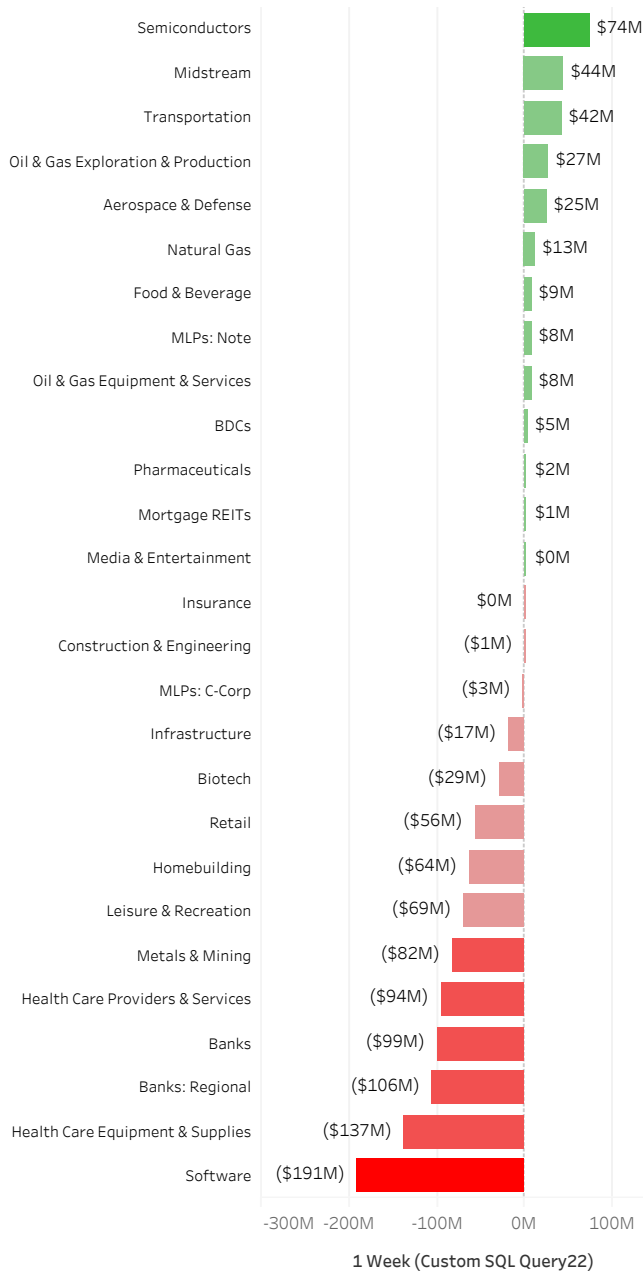
Ticker	Fund	1 Day Performance
INDS	Pacer Industrial Real Estate ETF	-1.34%
FXU	First Trust Utilities AlphaDEX Fund	-1.22%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-1.11%
MORT	VanEck Mortgage REIT Income ETF	-1.10%
VPU	Vanguard Utilities ETF	-1.10%
REM	iShares Mortgage Real Estate ETF	-1.05%
FUTY	Fidelity MSCI Utilities Index ETF	-1.04%
PKB	Invesco Dynamic Building & Construction ETF	-1.00%
IFRA	iShares U.S. Infrastructure ETF	-0.98%
XHB	SPDR S&P Homebuilders ETF	-0.97%

Sector & Industry Most Oversold

Ticker	Fund	1 Day Performance
MORT	VanEck Mortgage REIT Income ETF	35.77
JPRE	JPMorgan Realty Income ETF	36.65
PBJ	Invesco Dynamic Food & Beverage ETF	36.66
BIZD	VanEck BDC Income ETF	36.73
KBWD	Invesco KBW High Dividend Yield Financial ETF	36.85
XLY	Consumer Discretionary Select Sector SPDR Fund	37.37
KBWY	Invesco KBW Premium Yield Equity REIT ETF	37.86
REM	iShares Mortgage Real Estate ETF	37.99
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	38.29
VCR	Vanguard Consumer Discretionary ETF	38.53

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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	\$11B	(\$161M)	\$280M	(\$266M)	(\$1,521M)
Consumer Discretionary	12	\$19B	(\$111M)	(\$375M)	(\$992M)	(\$6,386M)
Consumer Staples	10	\$30B	(\$60M)	\$1,709M	\$2,637M	\$8,012M
Energy	32	\$80B	\$197M	\$1,669M	(\$395M)	\$732M
Financials	26	\$58B	(\$431M)	\$337M	(\$978M)	(\$11,912M)
Health Care	23	\$97B	(\$318M)	\$3,314M	\$3,503M	\$11,120M
Industrial	13	\$30B	(\$37M)	\$886M	(\$217M)	(\$2,302M)
Materials	9	\$13B	(\$82M)	(\$259M)	(\$2,680M)	(\$1,375M)
Multi-Sector	19	\$13B	(\$183M)	(\$505M)	(\$2,117M)	(\$7,057M)
Real Estate	25	\$59B	\$36M	\$170M	(\$1,461M)	(\$4,301M)
Technology	23	\$111B	(\$246M)	\$2,553M	\$1,486M	(\$486M)
Utilities	9	\$26B	(\$142M)	(\$1,170M)	\$970M	\$5,475M

U.S. Sector & Industry Flow Leaders

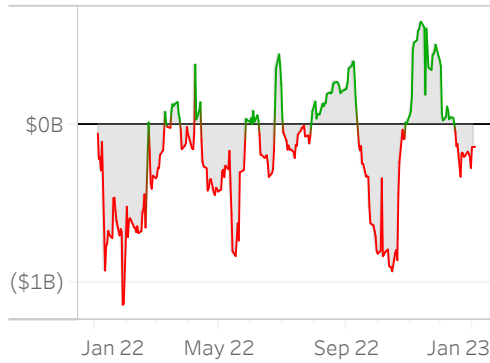
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SOXX	iShares Semiconductor ETF	\$72M	(\$190M)	(\$393M)	(\$562M)	\$5,842M
VNQ	Vanguard Real Estate ETF	\$68M	(\$507M)	(\$1,339M)	(\$2,275M)	\$33,545M
MLPX	Global X MLP & Energy Infrastructure ETF	\$44M	\$79M	\$88M	\$182M	\$1,058M
IYT	iShares US Transportation ETF	\$43M	(\$85M)	(\$101M)	(\$833M)	\$711M
PXI	Invesco DWA Energy Momentum ETF	\$42M	\$44M	\$20M	\$28M	\$253M
VDE	Vanguard Energy ETF	\$27M	(\$31M)	(\$302M)	(\$673M)	\$8,313M
RYT	Invesco S&P 500 Equal Weight Technology ETF	\$24M	\$103M	\$50M	(\$222M)	\$2,016M
ITA	iShares U.S. Aerospace & Defense ETF	\$22M	\$483M	\$467M	\$1,903M	\$4,641M
DFAR	Dimensional US Real Estate ETF	\$22M	\$217M	\$323M	\$480M	\$450M
PSL	Invesco DWA Consumer Staples Momentum ETF	\$22M	\$21M	\$17M	\$45M	\$143M

U.S. Sector & Industry Flow Laggards

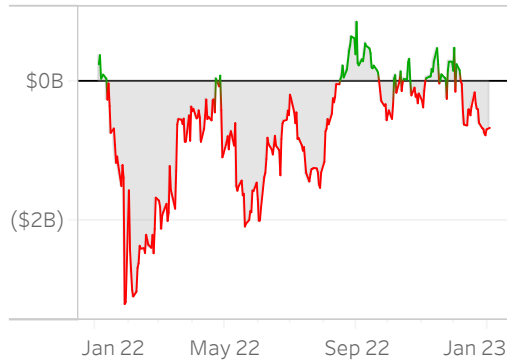
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$203M)	\$894M	\$40M	(\$6,668M)	\$31,427M
IGV	iShares Expanded Tech-Software Sector ETF	(\$188M)	(\$240M)	\$237M	\$607M	\$4,437M
XLU	Utilities Select Sector SPDR Fund	(\$146M)	(\$975M)	\$533M	\$3,779M	\$16,464M
IHI	iShares U.S. Medical Devices ETF	(\$135M)	(\$310M)	(\$641M)	(\$1,071M)	\$6,179M
KRE	SPDR S&P Regional Banking ETF	(\$104M)	(\$354M)	(\$422M)	(\$1,316M)	\$2,689M
XLI	Industrial Select Sector SPDR Fund	(\$98M)	\$226M	(\$640M)	(\$2,678M)	\$13,463M
IHF	iShares U.S. Healthcare Providers ETF	(\$93M)	(\$107M)	(\$40M)	\$275M	\$1,473M
XLP	Consumer Staples Select Sector SPDR Fund	(\$90M)	\$1,168M	\$1,554M	\$4,453M	\$17,420M
XME	SPDR S&P Metals & Mining ETF	(\$82M)	\$141M	(\$311M)	(\$15M)	\$1,929M
PEJ	Invesco Dynamic Leisure & Entertainment ETF	(\$69M)	(\$175M)	(\$618M)	(\$508M)	\$441M

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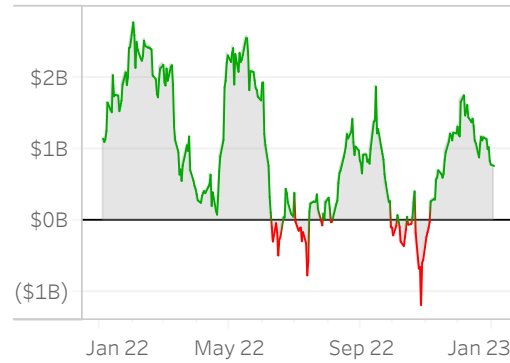
Communication Services



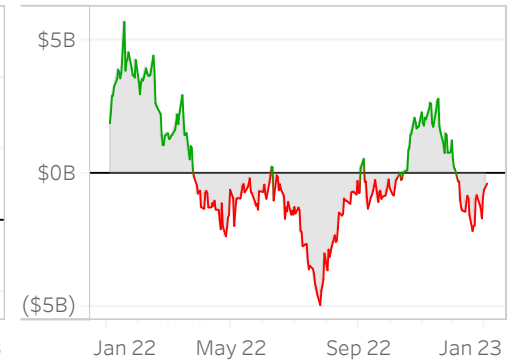
Consumer Discretionary



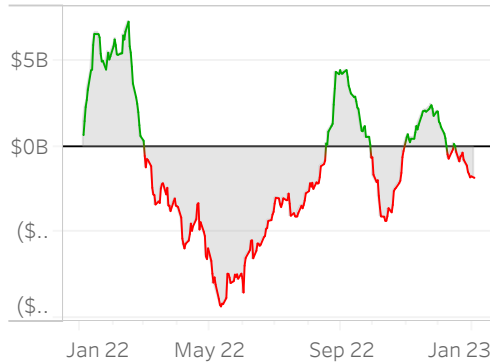
Consumer Staples



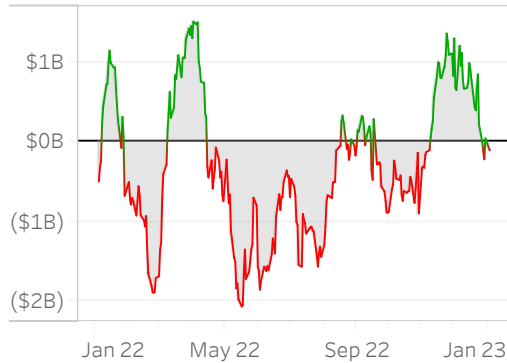
Energy



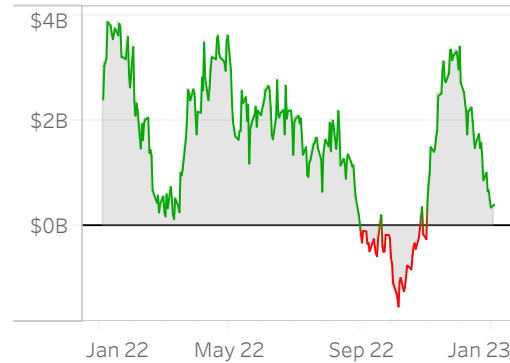
Financials



Industrial



Health Care



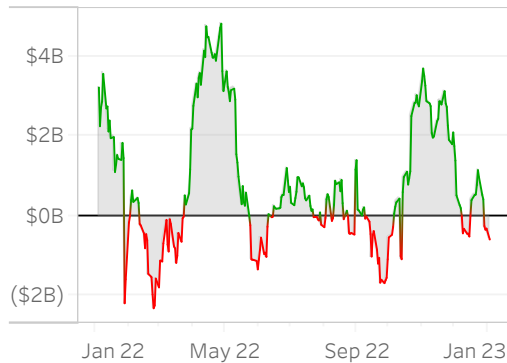
Materials



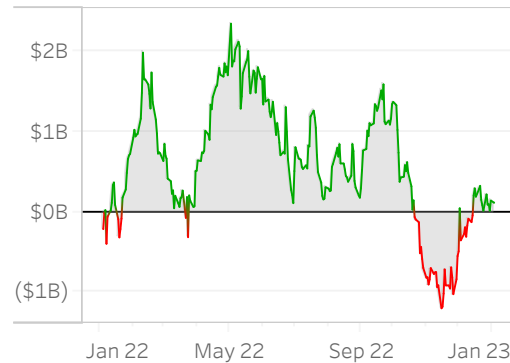
Real Estate



Technology



Utilities

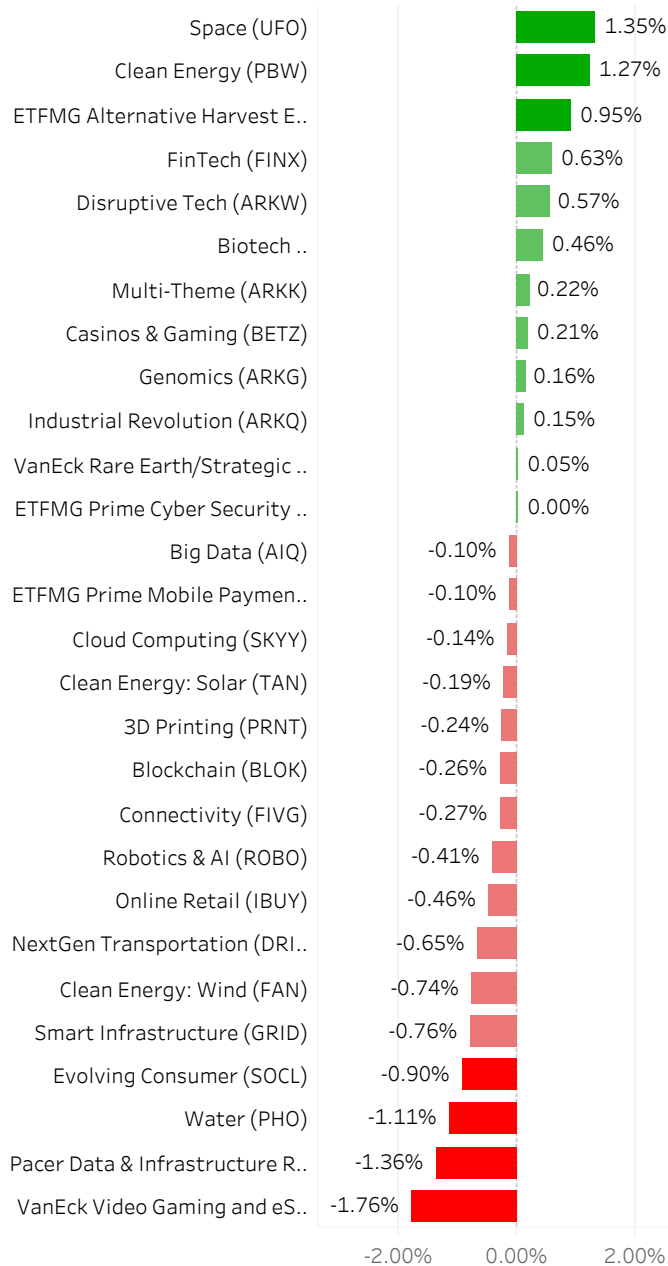


Multi-Sector

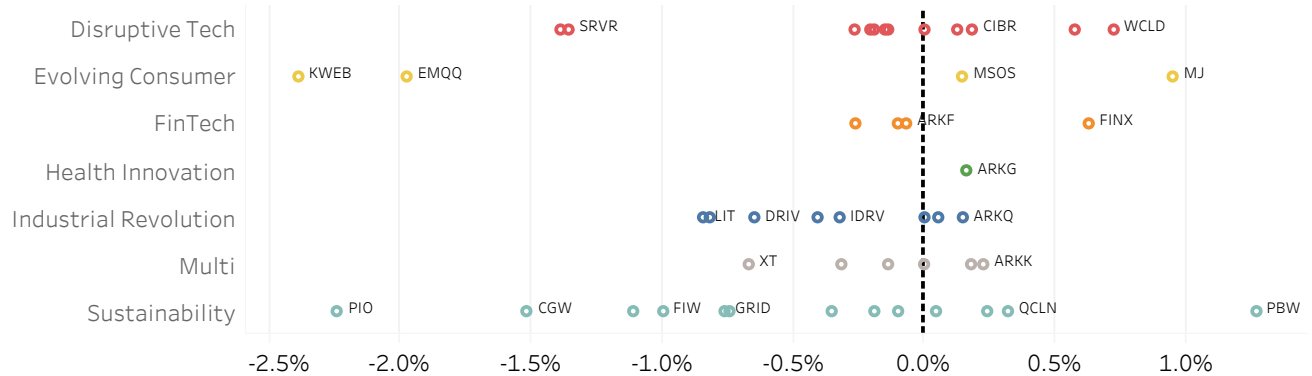


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
UFO	Procure Space ETF	1.35%
PBW	Invesco WilderHill Clean Energy ETF	1.27%
IZRL	ARK Israel Innovative Technology ETF	1.18%
MJUS	ETFMG U.S. Alternative Harvest ETF	1.03%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	0.95%
KGRN	KraneShares MSCI China Clean Technology Index ETF	0.84%
BJK	VanEck Gaming ETF	0.74%
WCLD	WisdomTree Cloud Computing Fund	0.72%
FINX	Global X FinTech ETF	0.63%
ARKW	ARK Next Generation Internet ETF	0.57%

Thematic Most Overbought

Ticker	Fund	Price
SOCL	Global X Social Media ETF	56.04
KWEB	KraneShares CSI China Internet ETF	54.97
SBIO	ALPS Medical Breakthroughs ETF	54.50
FAN	First Trust Global Wind Energy ETF	53.68
HERO	Global X Video Games & Esports ETF	53.35
GAMR	Wedbush ETFMG Video Game Tech ETF Wedbush ETFMG V..	52.71
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	52.70
BTEC	Principal Healthcare Innovators ETF	51.87
AWAY	ETFMG Travel Tech ETF	50.63
IZRL	ARK Israel Innovative Technology ETF	50.61

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	-2.39%
PIO	Invesco Global Water ETF	-2.25%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	-1.98%
ESPO	VanEck Video Gaming and eSports ETF	-1.76%
RNRG	Global X Renewable Energy Producers ETF	-1.65%
CGW	Invesco S&P Global Water Index ETF	-1.52%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.46%
SAMT	Strategas Macro Thematic Opportunities ETF	-1.45%
NXTG	First Trust Indxx NextG ETF	-1.39%
SRVR	Pacer Data & Infrastructure Real Estate ETF	-1.36%

Thematic Most Oversold

Ticker	Fund	Price
LIT	Global X Lithium & Battery Tech ETF	28.05
BATT	Amplify Lithium & Battery Technology ETF	31.01
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	31.42
REMX	VanEck Rare Earth/Strategic Metals ETF	31.81
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	32.23
ACES	ALPS Clean Energy ETF	32.83
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	33.60
DRIV	Global X Autonomous & Electric Vehicles ETF	33.98
MSOS	AdvisorShares Pure US Cannabis ETF	34.62
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	34.74

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
TMAT	Main Thematic Innovation ETF	\$8M
ARKX	ARK Space Exploration & Innovation ETF	\$6M
KWEB	KraneShares CSI China Internet ETF	\$5M
TARK	AXS 2X Innovation ETF	\$3M
GDOC	Goldman Sachs Future Health Care Equity ETF	\$3M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$3M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$3M
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	\$3M
RNRG	Global X Renewable Energy Producers ETF	\$2M
SOCL	Global X Social Media ETF	\$1M

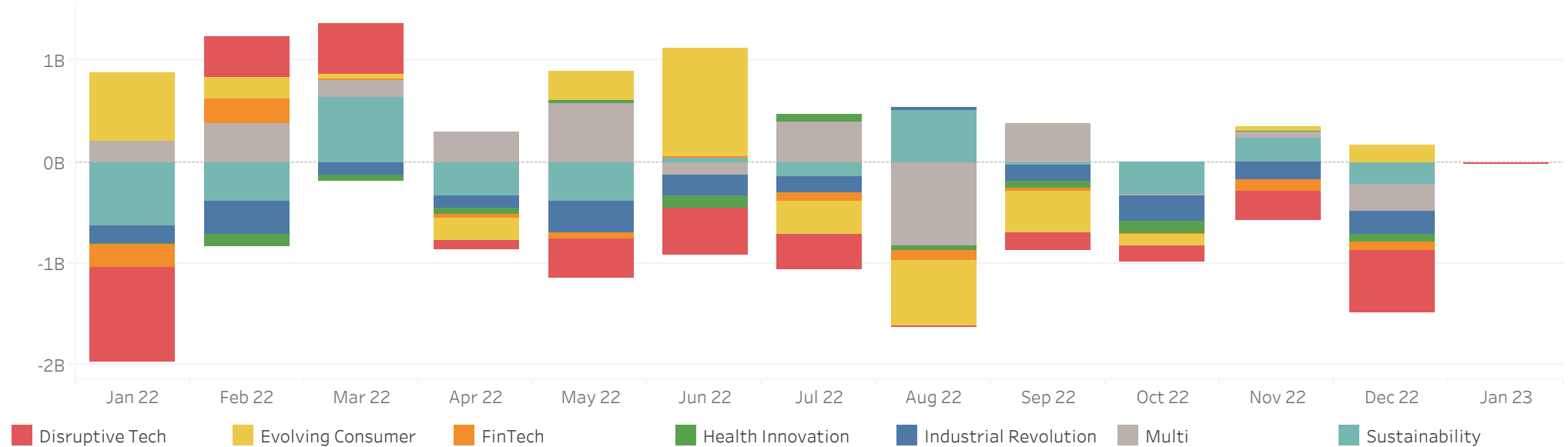
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$96M)
LIT	Global X Lithium & Battery Tech ETF	(\$58M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$50M)
PBW	Invesco WilderHill Clean Energy ETF	(\$42M)
TAN	Invesco Solar ETF	(\$35M)
ARKG	ARK Genomic Revolution ETF	(\$24M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$22M)
BUG	Global X Cybersecurity ETF	(\$21M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$18M)
ARKW	ARK Next Generation Internet ETF	(\$17M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$97M)	(\$1,058M)	(\$1,581M)	(\$2,563M)
Evolving Consumer	46	\$10B	(\$41M)	\$132M	(\$1,347M)	\$795M
FinTech	22	\$2B	(\$17M)	(\$214M)	(\$424M)	(\$500M)
Health Innovation	19	\$3B	(\$14M)	(\$147M)	(\$239M)	(\$561M)
Industrial Revolution	32	\$10B	(\$85M)	(\$636M)	(\$936M)	(\$2,212M)
Multi	40	\$12B	(\$92M)	(\$261M)	(\$226M)	\$1,205M
Sustainability	40	\$17B	(\$111M)	(\$300M)	\$99M	(\$1,023M)
Grand Total	234	\$69B	(\$459M)	(\$2,484M)	(\$4,654M)	(\$4,860M)

Thematic Monthly Flows

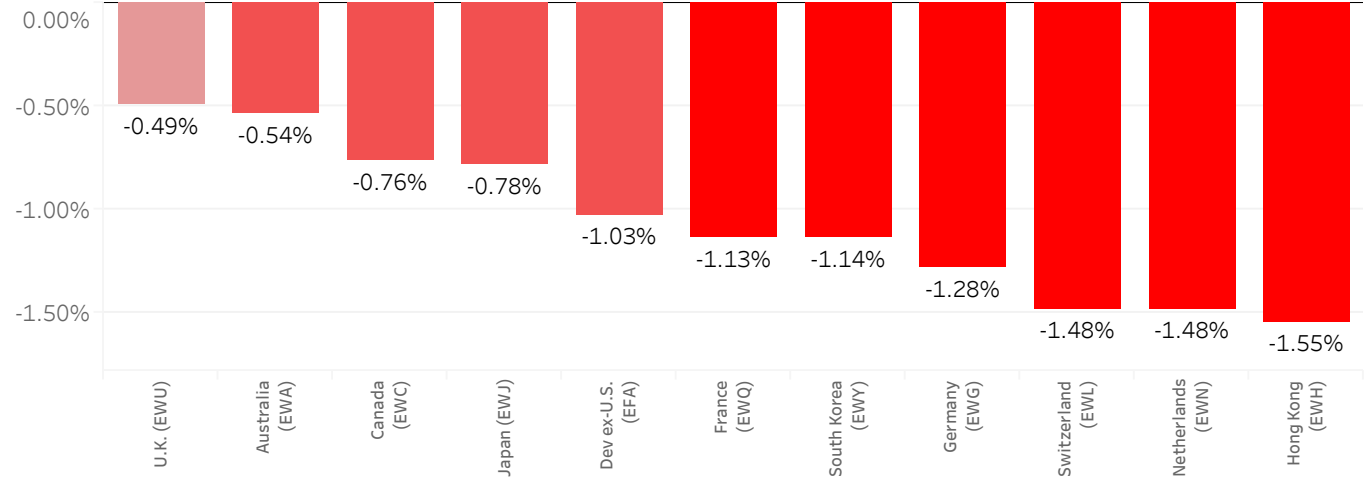


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



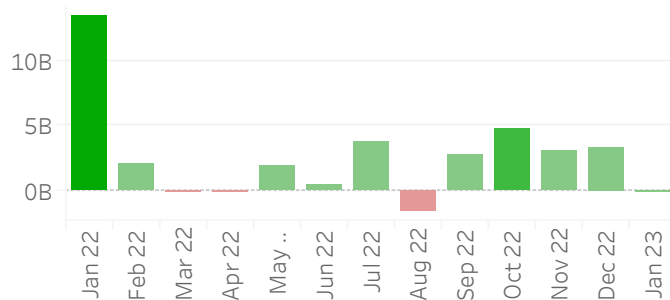
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	0.78%
GREK	Global X MSCI Greece ETF	0.30%
SCJ	iShares MSCI Japan Small-Cap ETF	0.25%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.16%
UIVM	VictoryShares International Value Momentum ETF	0.00%
ISRA	VanEck Israel ETF	-0.05%
EIS	iShares MSCI Israel ETF	-0.26%
NORW	Global X MSCI Norway ETF	-0.27%
IDLV	Invesco S&P International Developed Low Volatility ETF	-0.30%
EDEN	iShares MSCI Denmark ETF	-0.34%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EDEN	iShares MSCI Denmark ETF	63.99
IMFL	Invesco International Developed Dynamic Multifactor ETF	60.39
SCJ	iShares MSCI Japan Small-Cap ETF	60.16
DFJ	WisdomTree Japan SmallCap Dividend Fund	59.29
UIVM	VictoryShares International Value Momentum ETF	57.97
FSZ	First Trust Switzerland AlphaDEX Fund	56.93
EWH	iShares MSCI Hong Kong ETF	56.44
DISV	Dimensional International Small Cap Value ETF	56.02
EWJV	iShares MSCI Japan Value ETF	55.34
IDV	iShares International Select Dividend ETF	55.12

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
BKCI	BNY Mellon Concentrated International ETF	-2.86%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-2.47%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-2.35%
DXJ	WisdomTree Japan Hedged Equity Fund	-2.09%
AIA	iShares Asia 50 ETF	-1.94%
MINV	Matthews Asia Innovators Active ETF	-1.79%
HEDJ	WisdomTree Europe Hedged Equity Fund	-1.64%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-1.63%
EWH	iShares MSCI Hong Kong ETF	-1.55%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	-1.52%

Developed ex-U.S. Most Oversold

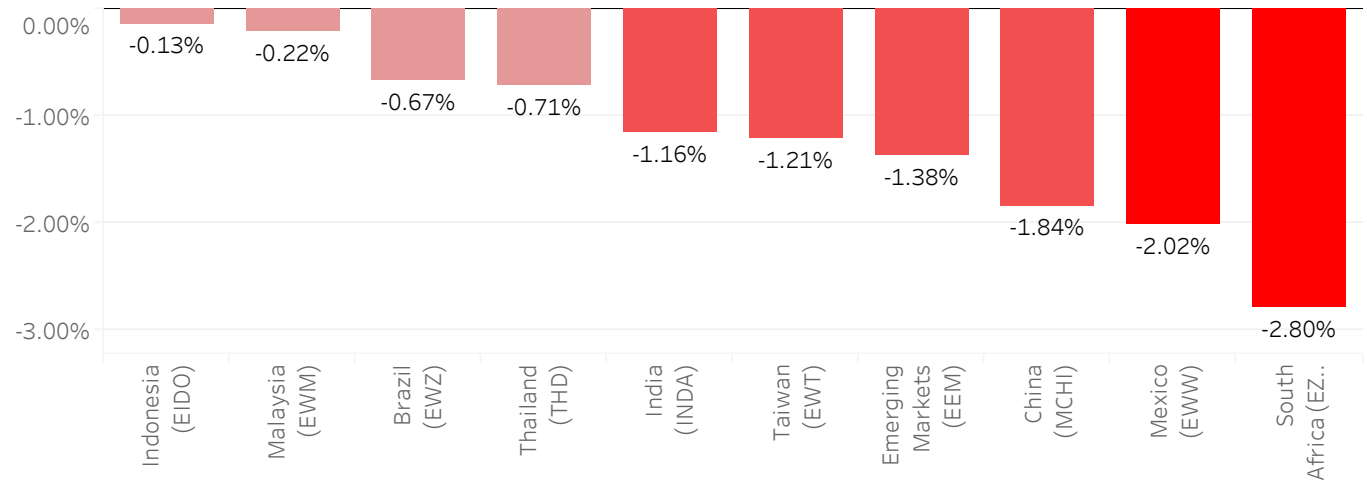
Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	15.43
HEFA	iShares Currency Hedged MSCI EAFE ETF	27.00
IVAL	Alpha Architect International Quantitative Value ETF	28.57
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	29.00
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	29.15
HEZU	iShares Currency Hedged MSCI Eurozone ETF	30.17
DXJ	WisdomTree Japan Hedged Equity Fund	30.49
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	30.98
IHDG	WisdomTree International Hedged Quality Dividend ..	31.48
IMOM	Alpha Architect International Quantitative Moment..	32.56

* 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)



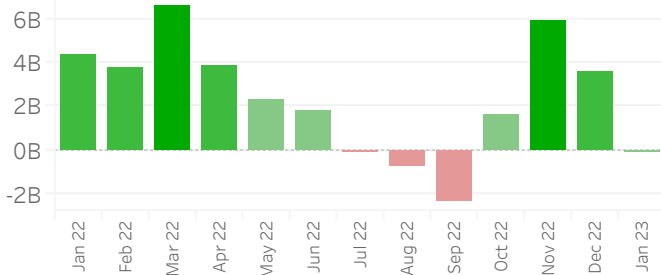
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	2.11%
RAYC	Rayliant Quantamental China Equity ETF	0.45%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.18%
CNYA	iShares MSCI China A ETF	0.10%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	0.08%
EIDO	iShares MSCI Indonesia ETF	-0.13%
EPU	iShares MSCI Peru ETF	-0.17%
EWM	iShares MSCI Malaysia ETF	-0.22%
SMIN	iShares MSCI India Small Cap ETF	-0.38%
EPI	WisdomTree India Earnings Fund	-0.43%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	66.27
THD	iShares MSCI Thailand ETF	62.25
EWM	iShares MSCI Malaysia ETF	61.55
EPOL	iShares MSCI Poland ETF	60.73
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	59.71
ECH	iShares MSCI Chile ETF	59.16
UEVM	VictoryShares Emerging Markets Value Momentum E..	56.06
EELV	Invesco S&P Emerging Markets Low Volatility ETF	54.97
EDIV	SPDR S&P Emerging Markets Dividend ETF	54.63
ECNS	iShares MSCI China Small-Cap ETF	54.47

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
LDEM	iShares ESG MSCI EM Leaders ETF	-3.75%
EZA	iShares MSCI South Africa ETF	-2.80%
FXI	iShares China Large-Cap ETF	-2.45%
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	-2.05%
EWW	iShares MSCI Mexico ETF	-2.02%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.89%
MCHI	iShares MSCI China ETF	-1.84%
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterp..	-1.77%
FLCH	Franklin FTSE China ETF	-1.67%
GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ETF	-1.60%

Emerging Most Oversold

Ticker	Fund	Value
PIN	Invesco India ETF	25.19
QAT	iShares MSCI Qatar ETF	26.01
EWT	iShares MSCI Taiwan ETF	30.29
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	33.14
INDY	iShares India 50 ETF	37.28
EWW	iShares MSCI Mexico ETF	37.57
NFTY	First Trust India NIFTY 50 Equal Weight ETF	39.37
HEEM	iShares Currency Hedged MSCI Emerging Markets E..	39.81
FRDM	Freedom 100 Emerging Markets ETF	39.82
ILF	iShares Latin America 40 ETF	40.24

* 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	-0.47%	-2.10%	0.00%
SHY	1-3 Year Treasury Bonds	-0.12%	-0.07%	0.00%
IEF	7-10 Year Treasury Bonds	-0.42%	-2.75%	0.00%
TLT	20+ Year Treasury Bonds	-1.11%	-6.81%	0.00%
TIP	TIPS Bonds	-0.30%	-3.08%	0.00%
FLOT	Floating Rate Bonds	0.10%	0.68%	0.00%
LQD	Investment Grade Corporate	-0.63%	-3.35%	0.00%
HYG	High Yield Corporate	0.08%	-2.04%	0.00%
BKLN	Senior Loan	-0.44%	-0.79%	0.00%
PFF	Preferred & Income Securities	0.26%	-4.70%	0.00%
MUB	Municipal Bonds	-0.11%	-0.48%	0.00%
MBB	MBS	-0.70%	-1.89%	0.00%
EMB	Dollar Denominated EM Bonds	-0.49%	-2.87%	0.00%
LEMB	Local Currency EM Bond	0.29%	0.03%	0.00%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.21%	-1.20%	0.00%
DBE	Energy	1.80%	-2.69%	0.00%
USO	WTI Crude Oil	2.31%	0.39%	0.00%
BNO	Brent Crude Oil	2.76%	0.00%	0.00%
UNG	Natural Gas	-3.03%	-26.10%	0.00%
UGA	Gasoline	4.30%	7.92%	0.00%
DBP	Precious Metals	0.45%	1.82%	0.00%
GLD	Gold	0.47%	1.42%	0.00%
SLV	Silver	0.23%	3.43%	0.00%
PPLT	abrdn Physical Platin..	1.20%	5.24%	0.00%
PALL	abrdn Physical Palla..	-1.52%	-6.38%	0.00%
DBB	Base Metals	-0.97%	-4.13%	0.00%
CPER	Copper	-0.30%	-0.90%	0.00%
LD	Lead	3.17%	6.45%	0.00%
JJN	Nickel	-0.88%	6.73%	0.00%
JJU	Aluminum	-0.47%	-6.40%	0.00%
JJT	Tin	-1.25%	5.56%	0.00%
DBA	Agriculture	0.00%	1.96%	0.00%
CORN	Corn	-0.11%	4.18%	0.00%
SOYB	Soybeans	0.32%	4.59%	0.00%
WEAT	Wheat	2.18%	3.23%	0.00%
CANE	Sugar	-0.83%	2.65%	0.00%
BAL	Cotton	0.91%	0.54%	0.00%
NIB	Cocoa	0.59%	2.68%	0.00%
JO	Coffee	-1.50%	3.07%	0.00%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.32%	-0.62%	0.00%
UDN	Short Dollar	0.43%	1.13%	0.00%
FXE	Euro	0.35%	1.65%	0.00%
FXB	British Pound Sterling	0.16%	-1.57%	0.00%
FXF	Swiss Franc	-0.17%	1.38%	0.00%
FXJ	Japanese Yen	1.35%	2.36%	0.00%
FXC	Canadian Dollar	0.04%	-0.43%	0.00%
FXA	Australian Dollar	0.46%	0.13%	0.00%

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