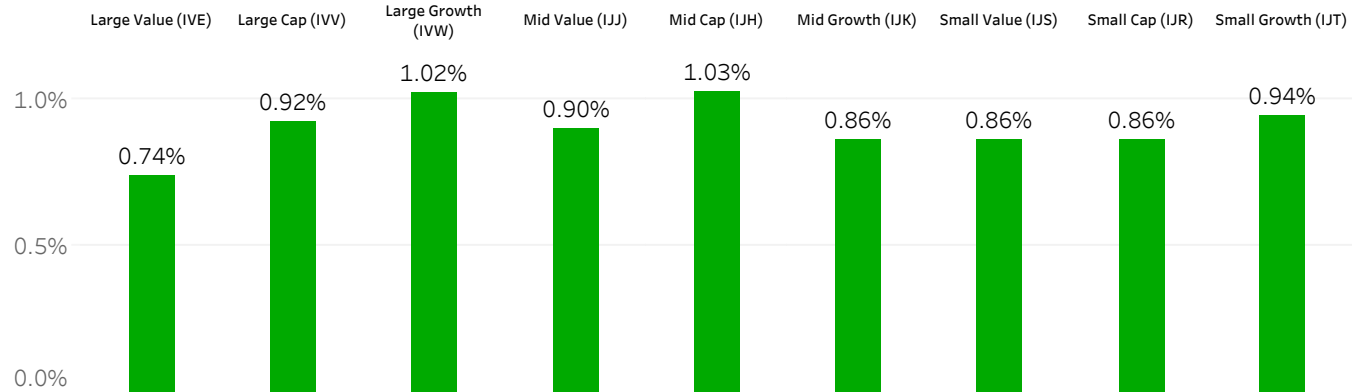


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	1.79%
BUZZ	VanEck Social Sentiment ETF	1.62%
FFTY	Innovator IBD 50 ETF	1.45%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.44%
GRPM	Invesco S&P MidCap 400 GARP ETF	1.29%
FAD	First Trust Multi Cap Growth AlphaDEX Fund	1.27%
AIEQ	Amplify AI Powered Equity ETF	1.24%
WINN	Harbor Long-Term Growers ETF	1.24%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	1.22%
USXF	iShares ESG Advanced MSCI USA ETF	1.18%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	60.10
HDV	iShares Core High Dividend ETF	55.68
DURA	VanEck Durable High Dividend ETF	54.96
SPVU	Invesco S&P 500 Enhanced Value ETF	54.43
DHS	WisdomTree U.S. High Dividend Fund	53.80
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	53.69
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	53.59
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	53.14
FDL	First Trust Morningstar Dividend Leaders Index Fund	52.63
DVY	iShares Select Dividend ETF	52.42

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
ABEQ	Absolute Select Value ETF	0.03%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	0.15%
SIXL	ETC 6 Meridian Low Beta Equity ETF	0.17%
POWA	Invesco Bloomberg Pricing Power ETF	0.28%
HKND	Humankind US Stock ETF	0.30%
SELV	SEI Enhanced Low Volatility U.S. Large Cap ETF	0.32%
SHE	SPDR MSCI USA Gender Diversity ETF	0.36%
COWZ	Pacer US Cash Cows 100 ETF	0.38%
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	0.39%

Size & Style Most Oversold

Ticker	Fund	Value
LCG	Sterling Capital Focus Equity ETF	30.78
NUMG	Nuveen ESG Mid-Cap Growth ETF	31.45
LEAD	Siren DIVCON Leaders Dividend ETF	31.46
VEGN	US Vegan Climate ETF	31.60
QQJQ	Invesco NASDAQ Next Gen 100 ETF	31.72
CHGX	AXS Change Finance ESG ETF	32.41
RPG	Invesco S&P 500 Pure Growth ETF	32.63
FTC	First Trust Large Cap Growth AlphaDEX Fund	32.67
BIBL	Inspire 100 ETF	33.02
DRUP	GraniteShares Nasdaq Select Disruptors ETF	33.22

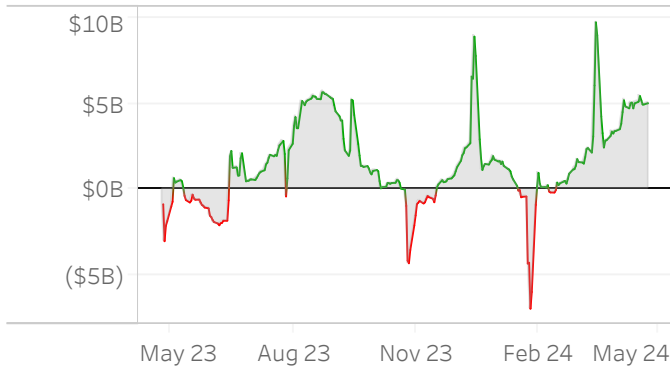
■ Closing Price    ■ 50 Day Moving Average    ■ 200 Day Moving Average

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

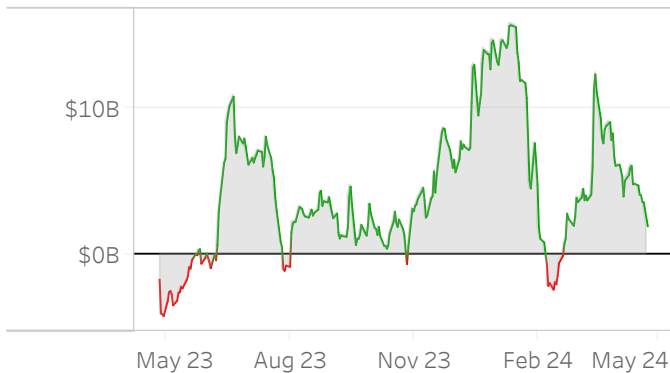
### Large-Cap 30-Day Rolling Flows



### 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	\$1,788B	\$6.02B	\$43.41B	\$134.87B	\$208.21B
Large Cap, Beta, Beta: Growth	10	\$345B	\$1.25B	\$11.46B	\$19.29B	\$27.34B
Large Cap, Beta, Beta: Value	11	\$253B	\$0.41B	\$6.37B	\$8.78B	\$6.20B
Mid Cap, Beta, Beta	10	\$219B	\$0.27B	\$5.09B	\$5.44B	\$11.10B
Mid Cap, Beta, Beta: Growth	6	\$41B	(\$0.11B)	\$1.35B	\$2.08B	\$2.63B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.02B)	(\$1.33B)	(\$1.33B)	(\$3.07B)
Small Cap, Beta, Beta	11	\$224B	(\$1.58B)	\$1.44B	\$13.12B	\$19.27B
Small Cap, Beta, Beta: Growth	7	\$37B	(\$0.20B)	\$0.84B	\$2.03B	\$2.30B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.25B)	(\$0.52B)	\$0.16B	(\$1.19B)

### U.S. Size & Style Flow Leaders

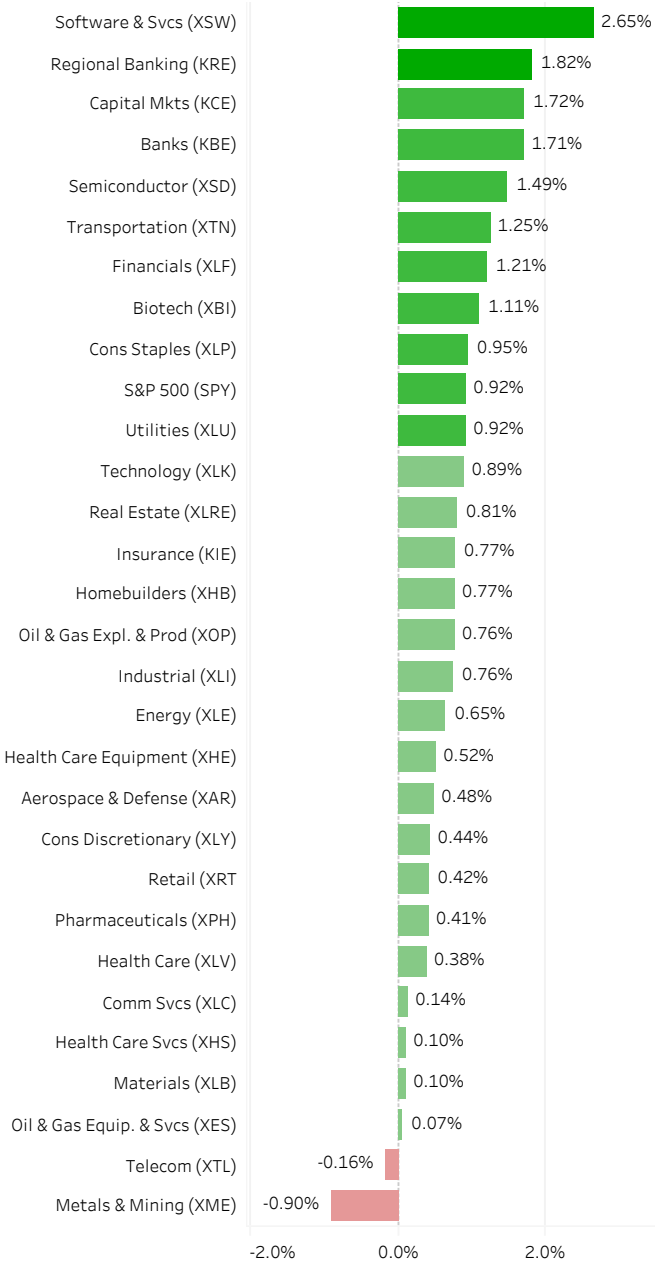
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	\$1.62B	\$4.08B	\$13.86B	\$20.00B	\$242.52B
IVV	iShares Core S&P 500 ETF	\$1.51B	\$3.58B	\$23.95B	\$51.99B	\$428.58B
SPY	SPDR S&P 500 ETF Trust	\$1.36B	\$5.33B	\$38.31B	\$42.30B	\$499.98B
VOO	Vanguard S&P 500 ETF	\$1.16B	\$23.71B	\$41.40B	\$66.37B	\$418.92B
VUG	Vanguard Growth ETF	\$0.54B	\$4.71B	\$6.83B	\$7.50B	\$113.33B
VTI	Vanguard Total Stock Market ETF	\$0.47B	\$8.01B	\$16.24B	\$27.84B	\$369.40B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.44B	\$5.14B	\$9.64B	\$12.05B	\$32.87B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.41B	\$1.26B	\$2.00B	\$3.70B	\$23.86B
IWD	iShares Russell 1000 Value ETF	\$0.33B	(\$0.56B)	(\$0.95B)	(\$2.43B)	\$53.35B
IWF	iShares Russell 1000 Growth ETF	\$0.31B	(\$0.07B)	\$1.10B	\$1.75B	\$83.75B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$1.31B)	(\$1.70B)	\$0.04B	(\$0.70B)	\$31.35B
IWM	iShares Russell 2000 ETF	(\$1.14B)	(\$3.72B)	\$3.10B	\$3.55B	\$57.61B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.29B)	(\$1.60B)	(\$1.71B)	(\$3.21B)	\$6.87B
VTWO	Vanguard Russell 2000 ETF	(\$0.24B)	\$1.13B	\$1.96B	\$2.45B	\$8.73B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.23B)	\$0.15B	(\$0.20B)	(\$2.15B)	\$9.38B
LCTU	BlackRock U.S. Carbon Transition Readiness E..	(\$0.21B)	(\$0.43B)	(\$0.55B)	(\$0.54B)	\$1.15B
VIG	Vanguard Dividend Appreciation ETF	(\$0.21B)	\$0.38B	\$0.51B	\$1.04B	\$75.11B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.18B)	\$4.15B	\$8.65B	\$15.63B	\$53.56B
IWB	iShares Russell 1000 ETF	(\$0.18B)	(\$0.01B)	(\$0.38B)	(\$0.90B)	\$33.43B
IWN	iShares Russell 2000 Value ETF	(\$0.16B)	(\$0.27B)	\$0.16B	(\$0.60B)	\$11.50B

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

### S&P Sector & Industry 1 Day Performance



### Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLE	Energy Select Sector SPDR Fund	-2.54%	24.81%	4.98%	9.44%	58.70
XLP	Consumer Staples Select Sector SPDR Fund	-2.63%	13.49%	0.57%	4.08%	57.02
XLF	Financial Select Sector SPDR Fund	-2.97%	29.95%	0.51%	11.41%	52.28
XLI	Industrial Select Sector SPDR Fund	-3.64%	25.86%	-0.62%	9.21%	42.36
XLC	Communication Services Select Sector SPDR Fund	-3.90%	36.43%	-1.02%	10.16%	40.77
XLB	Materials Select Sector SPDR Fund	-4.31%	19.59%	-0.42%	6.72%	39.39
SPY	SPDR S&P 500 ETF Trust	-4.48%	21.81%	-2.18%	6.84%	37.52
XLU	Utilities Select Sector SPDR Fund	-4.80%	17.51%	4.04%	5.33%	61.47
XLV	Health Care Select Sector SPDR Fund	-5.67%	13.27%	-3.44%	2.43%	35.21
XLY	Consumer Discretionary Select Sector SPDR Fund	-7.84%	15.84%	-5.13%	-0.55%	31.54
XLK	Technology Select Sector SPDR Fund	-7.95%	29.50%	-5.52%	4.37%	32.90
XLRE	Real Estate Select Sector SPDR Fund	-10.69%	12.36%	-5.99%	-2.93%	33.61

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XSW	SPDR S&P Software & Services ETF	2.65%
KBWB	Invesco KBW Bank ETF	2.01%
IAT	iShares U.S. Regional Banks ETF	1.99%
SOXQ	Invesco PHLX Semiconductor ETF	1.95%
FTXO	First Trust Nasdaq Bank ETF	1.87%
KRE	SPDR S&P Regional Banking ETF	1.82%
KBWR	Invesco KBW Regional Banking ETF	1.75%
KCE	SPDR S&P Capital Markets ETF	1.72%
KBE	SPDR S&P Bank ETF	1.71%
PFI	Invesco Dorsey Wright Financial Momentum ETF	1.71%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLU	Utilities Select Sector SPDR Fund	61.47
IDU	iShares U.S. Utilities ETF	61.32
VPU	Vanguard Utilities ETF	60.84
FUTY	Fidelity MSCI Utilities Index ETF	60.65
UTES	Virtus Reaves Utilities ETF	60.42
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	60.40
ENFR	Alerian Energy Infrastructure ETF	59.70
FXU	First Trust Utilities AlphaDEX Fund	59.59
XLE	Energy Select Sector SPDR Fund	58.70
IYK	iShares U.S. Consumer Staples ETF	58.37

### Sector & Industry 1 Day Performance Laggards

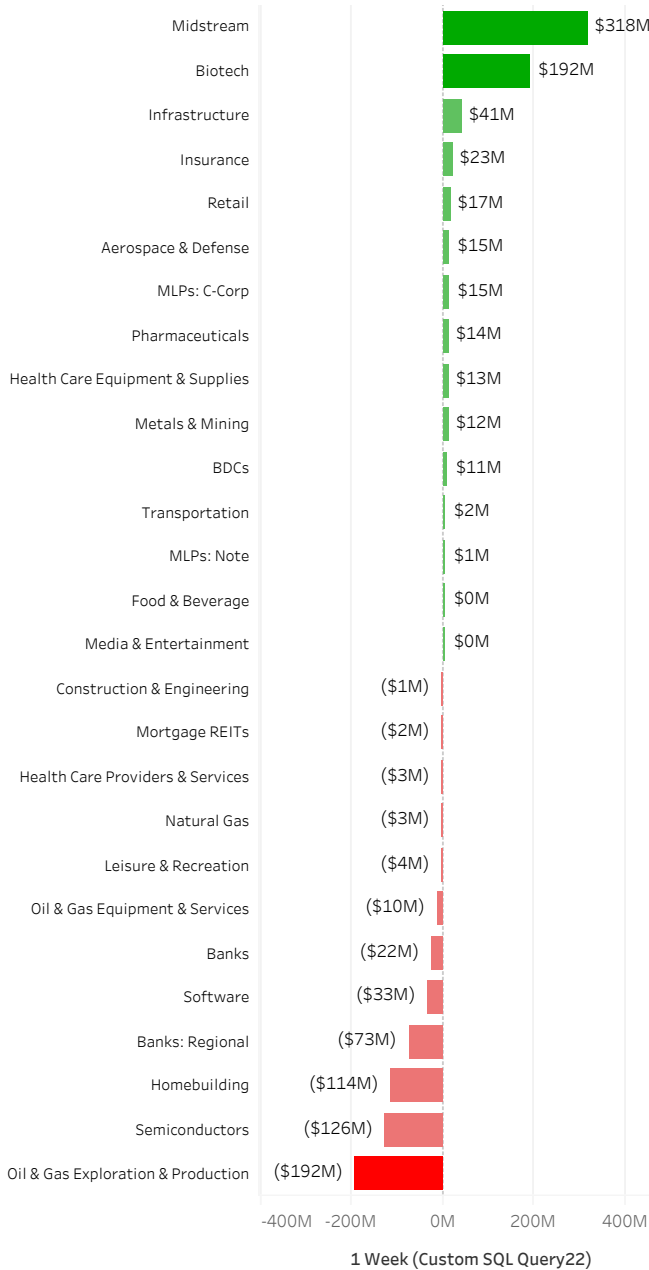
Ticker	Fund	1 Day Performance
XME	SPDR S&P Metals & Mining ETF	-0.90%
IYZ	iShares U.S. Telecommunications ETF	-0.48%
IEZ	iShares U.S. Oil Equipment & Services ETF	-0.35%
IHF	iShares U.S. Healthcare Providers ETF	-0.29%
RSPC	Invesco S&P 500 Equal Weight Communication Service..	-0.20%
XTL	SPDR S&P Telecom ETF	-0.16%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-0.14%
IYM	iShares U.S. Basic Materials ETF	-0.13%
PSCE	Invesco S&P SmallCap Energy ETF	-0.11%
PJP	Invesco Pharmaceuticals ETF	-0.09%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHE	iShares U.S. Pharmaceuticals ETF	26.52
XPH	SPDR S&P Pharmaceuticals ETF	29.07
XTL	SPDR S&P Telecom ETF	29.93
INDS	Pacer Industrial Real Estate ETF	29.94
FBT	First Trust NYSE Arca Biotechnology Index Fund	31.29
XBI	SPDR S&P BIOTECH ETF	31.33
IBB	iShares Biotechnology ETF	31.41
XLY	Consumer Discretionary Select Sector SPDR Fund	31.54
FXL	First Trust Technology AlphaDEX Fund	31.65
IYC	iShares U.S. Consumer Discretionary ETF	32.05

\* 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	\$23B	(\$224M)	(\$190M)	\$515M	\$2,259M
Consumer Discretionary	12	\$29B	(\$195M)	\$805M	\$1,257M	\$2,691M
Consumer Staples	10	\$24B	(\$496M)	(\$2,072M)	(\$4,666M)	(\$6,982M)
Energy	30	\$79B	(\$86M)	\$1,083M	(\$973M)	(\$2,239M)
Financials	26	\$64B	\$9M	(\$1,382M)	\$1,701M	(\$2,043M)
Health Care	23	\$86B	\$57M	(\$1,642M)	(\$3,534M)	(\$7,485M)
Industrial	13	\$41B	\$482M	\$2,520M	\$2,419M	\$3,289M
Materials	9	\$13B	(\$193M)	(\$56M)	(\$862M)	(\$2,943M)
Multi-Sector	16	\$22B	(\$129M)	\$1,013M	\$1,151M	\$3,292M
Real Estate	25	\$56B	(\$67M)	\$608M	\$2,704M	\$2,716M
Technology	23	\$181B	(\$81M)	\$4,929M	\$11,004M	\$12,332M
Utilities	9	\$19B	(\$243M)	(\$3,104M)	(\$3,330M)	(\$4,417M)

## U.S. Sector & Industry Flow Leaders

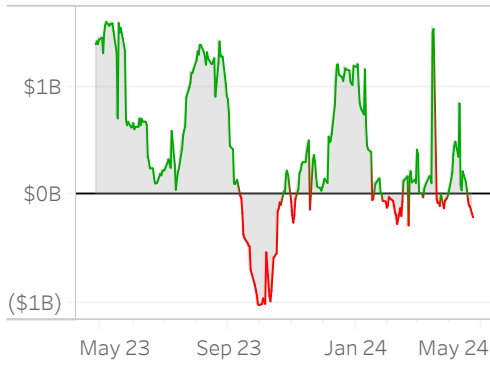
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	\$439M	\$1,672M	\$1,222M	\$1,919M	\$18,272M
MLPX	Global X MLP & Energy Infrastructure ETF	\$263M	\$273M	\$266M	\$209M	\$1,338M
VGT	Vanguard Information Technology ETF	\$234M	\$1,713M	\$3,014M	\$2,947M	\$60,690M
XBI	SPDR S&P BIOTECH ETF	\$180M	\$228M	\$253M	(\$109M)	\$6,451M
IYW	iShares U.S. Technology ETF	\$90M	\$959M	\$1,753M	\$1,260M	\$15,415M
XLF	Financial Select Sector SPDR Fund	\$85M	(\$174M)	\$1,311M	(\$538M)	\$37,588M
TPYP	Tortoise North American Pipeline Fund	\$54M	\$35M	\$8M	(\$46M)	\$533M
PAVE	Global X U.S. Infrastructure Development ETF	\$37M	\$1,152M	\$997M	\$1,813M	\$7,258M
VCR	Vanguard Consumer Discretionary ETF	\$23M	\$144M	\$50M	\$431M	\$5,197M
RSPN	Invesco S&P 500 Equal Weight Industrials ETF	\$23M	\$36M	\$53M	\$227M	\$700M

## U.S. Sector & Industry Flow Laggards

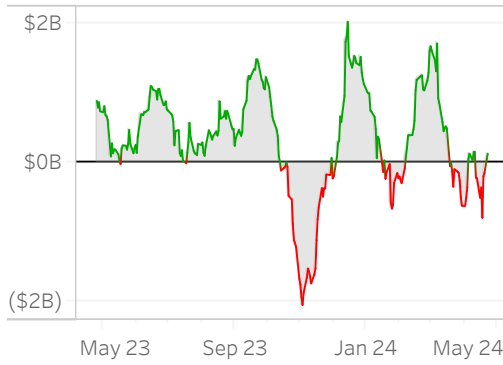
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$479M)	(\$1,708M)	(\$3,352M)	(\$4,025M)	\$13,816M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$224M)	\$598M	\$1,106M	\$1,989M	\$18,703M
XLC	Communication Services Select Sector SPDR Fu..	(\$212M)	(\$284M)	\$617M	\$1,911M	\$17,307M
XLU	Utilities Select Sector SPDR Fund	(\$211M)	(\$3,011M)	(\$2,800M)	(\$3,321M)	\$11,707M
XLB	Materials Select Sector SPDR Fund	(\$209M)	(\$308M)	(\$461M)	(\$756M)	\$5,574M
XLE	Energy Select Sector SPDR Fund	(\$208M)	\$233M	(\$1,226M)	(\$2,010M)	\$40,622M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$208M)	\$107M	\$294M	\$44M	\$4,130M
XLV	Health Care Select Sector SPDR Fund	(\$160M)	(\$1,476M)	(\$2,580M)	(\$3,641M)	\$37,705M
ITB	iShares U.S. Home Construction ETF	(\$124M)	\$276M	\$397M	\$255M	\$2,679M
SOXX	iShares Semiconductor ETF	(\$113M)	\$338M	\$535M	\$752M	\$11,380M

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

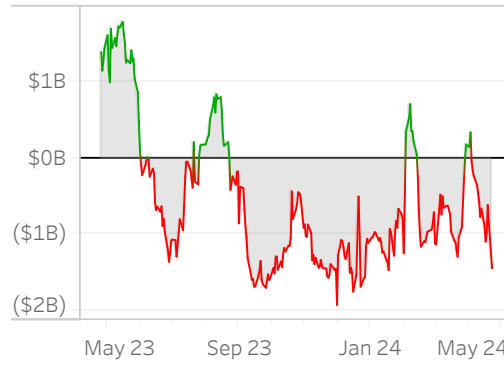
Communication Services



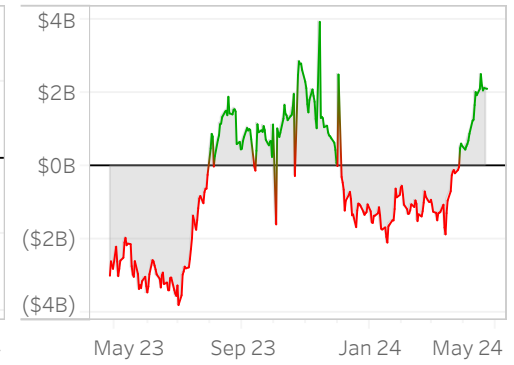
Consumer Discretionary



Consumer Staples



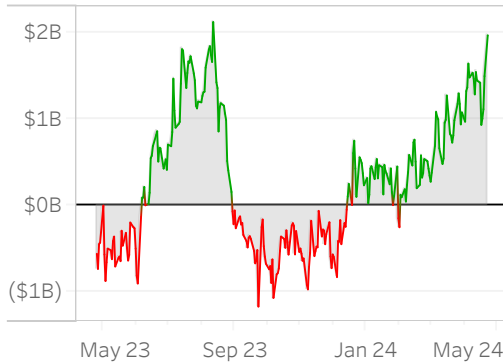
Energy



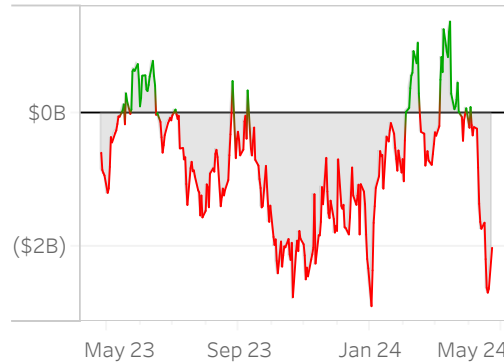
Financials



Industrial



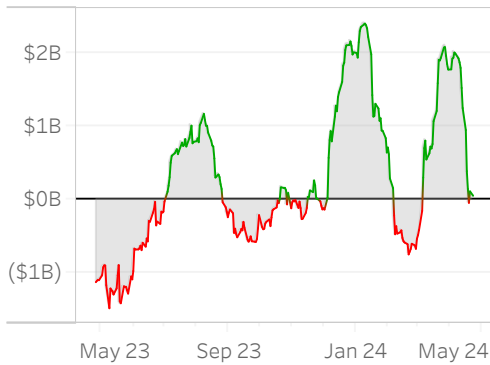
Health Care



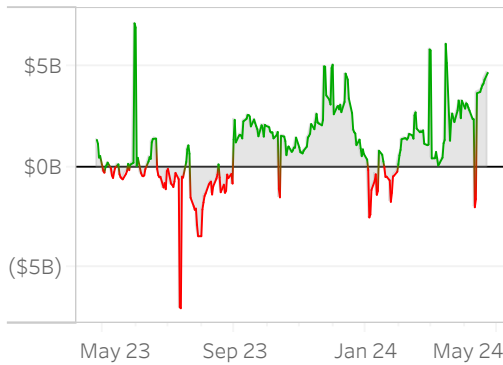
Materials



Real Estate



Technology



Utilities

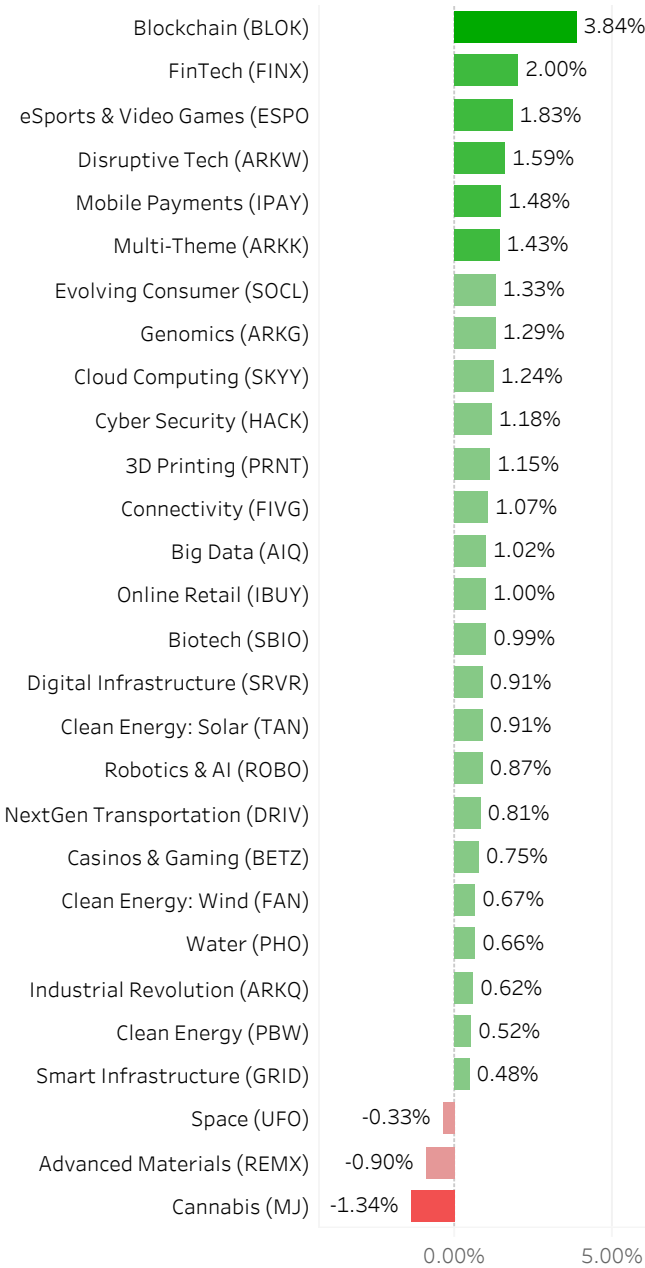


Multi-Sector

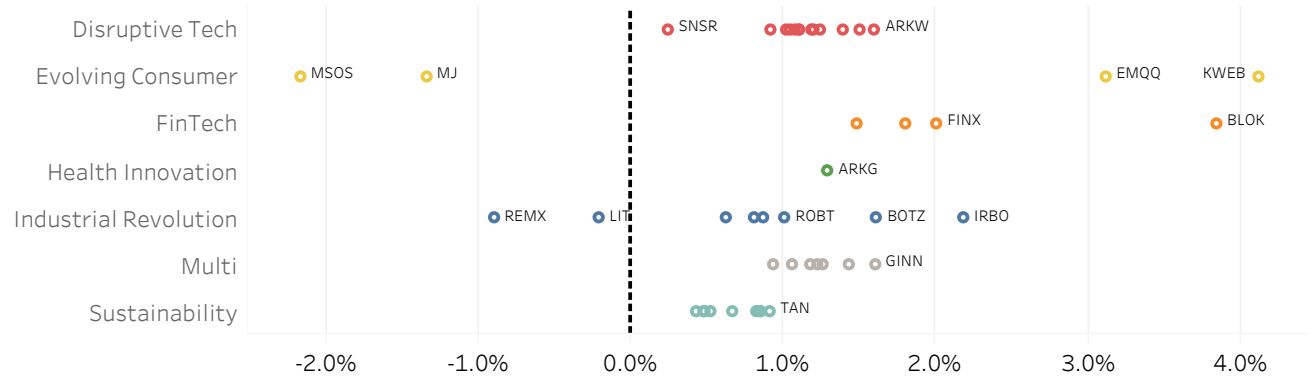


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
WGMI	Valkyrie Bitcoin Miners ETF	11.04%
DAPP	VanEck Digital Transformation ETF	10.12%
BKCH	Global X Blockchain ETF	9.17%
BITQ	Bitwise Crypto Industry Innovators ETF	8.87%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	7.93%
KWEB	KraneShares CSI China Internet ETF	4.12%
BLOK	Amplify Transformational Data Sharing ETF	3.84%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	3.11%
HERO	Global X Video Games & Esports ETF	2.26%
IRBO	iShares Robotics and Artificial Intelligence Multisector E..	2.18%

### Thematic Most Overbought

Ticker	Fund	Value
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	54.74
KWEB	KraneShares CSI China Internet ETF	54.44
WGMI	Valkyrie Bitcoin Miners ETF	54.13
CGW	Invesco S&P Global Water Index ETF	53.37
BKCH	Global X Blockchain ETF	51.65
FDIG	Fidelity Crypto Industry and Digital Payments ETF	50.95
DAPP	VanEck Digital Transformation ETF	50.49
BITQ	Bitwise Crypto Industry Innovators ETF	49.92
EBLU	Ecofin Global Water ESG Fund	46.37
FIW	First Trust Water ETF	45.43

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-2.17%
MJUS	Amplify U.S. Alternative Harvest ETF	-2.04%
MJ	Amplify Alternative Harvest ETF	-1.34%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.90%
PBD	Invesco Global Clean Energy ETF	-0.53%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.48%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	-0.38%
LIT	Global X Lithium & Battery Tech ETF	-0.21%
BATT	Amplify Lithium & Battery Technology ETF	-0.03%
IZRL	ARK Israel Innovative Technology ETF	0.16%

### Thematic Most Oversold

Ticker	Fund	Value
DTCR	Global X Data Center And Digital Infrastructure ETF	24.09
IZRL	ARK Israel Innovative Technology ETF	26.70
ARKG	ARK Genomic Revolution ETF	26.87
PBW	Invesco WilderHill Clean Energy ETF	28.02
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	28.18
PAWZ	ProShares Pet Care ETF	28.32
FCLD	Fidelity Cloud Computing ETF	28.66
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	29.27
ARKK	ARK Innovation ETF	29.49
GNOM	Global X Genomics & Biotechnology ETF	30.18

\* 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
ARKG	ARK Genomic Revolution ETF	\$43M
AIQ	Global X Artificial Intelligence & Technology ETF	\$23M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$11M
PHO	Invesco Water Resources ETF	\$10M
MSOS	AdvisorShares Pure US Cannabis ETF	\$6M
FFLC	Fidelity Fundamental Large Cap Core ETF	\$4M
TARK	AXS 2X Innovation ETF	\$3M
SPRX	Spears Alpha ETF	\$3M
IBLC	iShares Blockchain and Tech ETF	\$1M
TINY	ProShares Nanotechnology ETF	\$1M

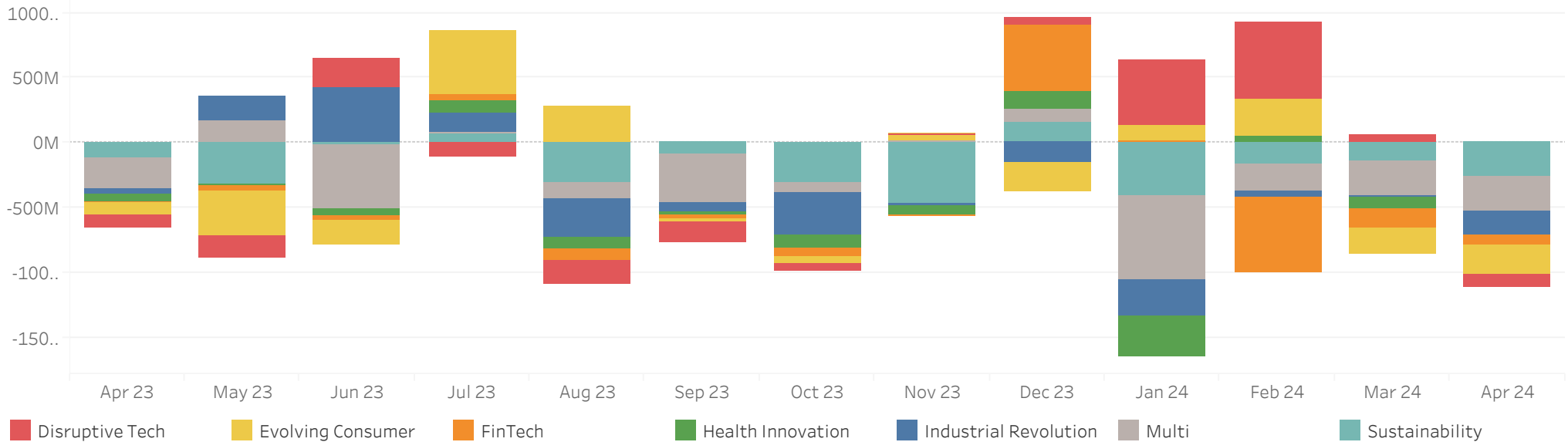
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$214M)
TAN	Invesco Solar ETF	(\$128M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$58M)
ICLN	iShares Global Clean Energy ETF	(\$46M)
CLOU	Global X Cloud Computing ETF	(\$37M)
ARKK	ARK Innovation ETF	(\$28M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$20M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$16M)
ARKF	ARK Fintech Innovation ETF	(\$14M)
SKYY	First Trust Cloud Computing ETF	(\$13M)

### Thematic Landscape Assets & Flows

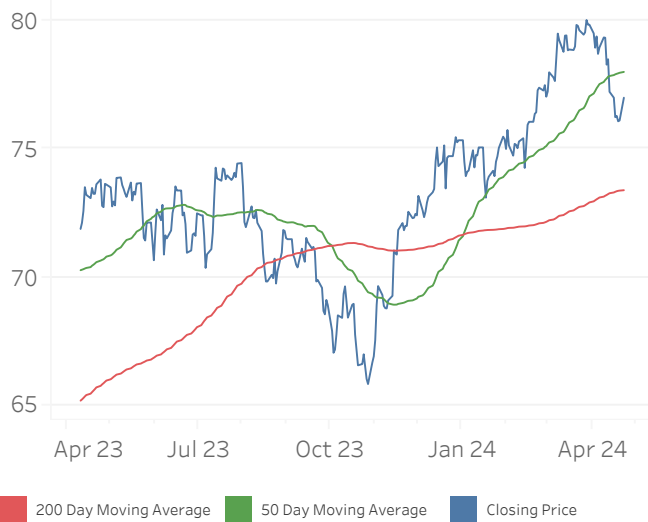
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$19B	(\$118M)	\$896M	\$1,127M	\$562M
Evolving Consumer	34	\$8B	(\$163M)	(\$23M)	(\$204M)	(\$105M)
FinTech	17	\$3B	(\$19M)	(\$936M)	(\$277M)	(\$527M)
Health Innovation	17	\$2B	\$31M	(\$180M)	(\$368M)	(\$529M)
Industrial Revolution	29	\$9B	(\$57M)	(\$317M)	(\$747M)	(\$660M)
Multi	33	\$13B	\$80M	(\$963M)	(\$1,249M)	(\$2,382M)
Sustainability	39	\$11B	(\$150M)	(\$597M)	(\$1,431M)	(\$2,387M)
<b>Grand Total</b>	<b>202</b>	<b>\$66B</b>	<b>(\$396M)</b>	<b>(\$2,120M)</b>	<b>(\$3,149M)</b>	<b>(\$6,028M)</b>

### Thematic Monthly Flows

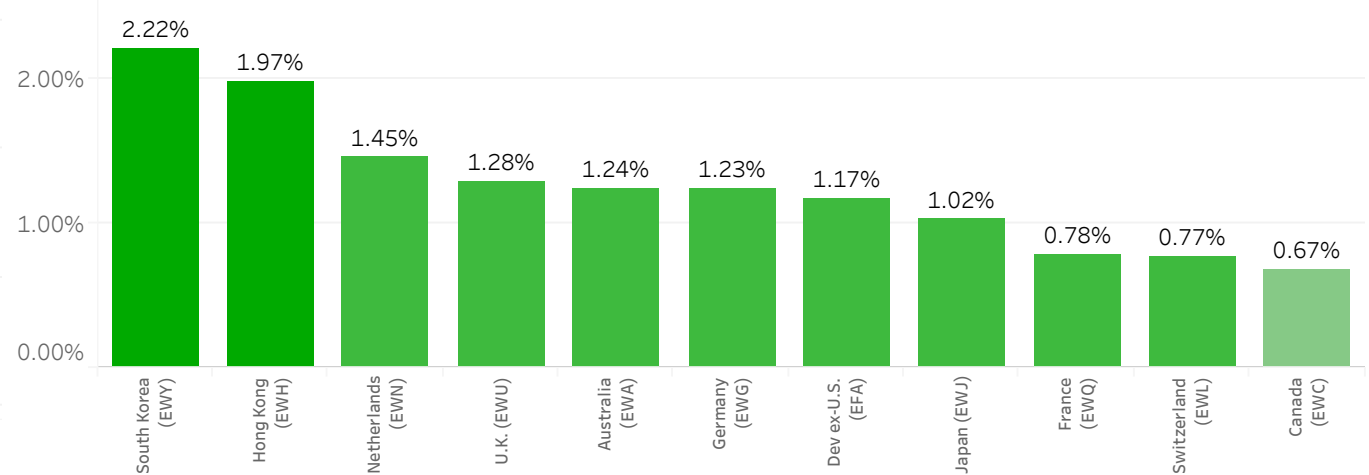


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



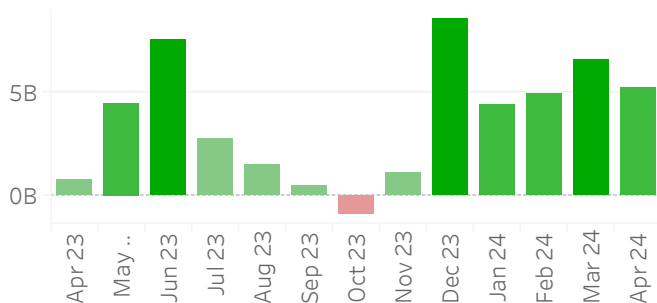
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	2.85%
EWY	iShares MSCI South Korea ETF	2.22%
EWH	iShares MSCI Hong Kong ETF	1.97%
FLKR	Franklin FTSE South Korea ETF	1.97%
EIS	iShares MSCI Israel ETF	1.93%
EWS	iShares MSCI Singapore ETF	1.81%
ISRA	VanEck Israel ETF	1.69%
EWP	iShares MSCI Spain ETF	1.68%
AIA	iShares Asia 50 ETF	1.65%
MINV	Matthews Asia Innovators Active ETF	1.59%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
LVHI	Franklin International Low Volatility High Dividend Index ..	60.04
EWO	iShares MSCI Austria ETF	58.22
EWS	iShares MSCI Singapore ETF	57.50
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	56.93
FDD	First Trust Stoxx European Select Dividend Index Fund	55.62
EWP	iShares MSCI Spain ETF	55.25
EWU	iShares MSCI United Kingdom ETF	54.90
GREK	Global X MSCI Greece ETF	54.73
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	54.11
FLGB	Franklin FTSE United Kingdom ETF	53.35

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FSZ	First Trust Switzerland AlphaDEX Fund	0.17%
NORW	Global X MSCI Norway ETF	0.40%
FLCA	Franklin FTSE Canada ETF Franklin FTSE Canada Fund	0.56%
IVAL	Alpha Architect International Quantitative Value ETF	0.58%
AVDV	Avantis International Small Cap Value ETF	0.59%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.64%
EWC	iShares MSCI Canada ETF	0.67%
GWX	SPDR S&P International Small Cap ETF	0.68%
DISV	Dimensional International Small Cap Value ETF	0.68%
BBCA	JPMorgan BetaBuilders Canada ETF	0.70%

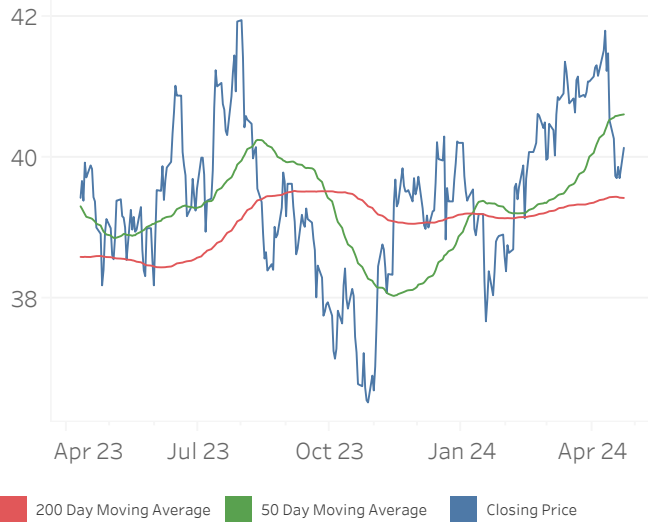
Developed ex-U.S. Most Oversold

Ticker	Fund	Value
IMOM	Alpha Architect International Quantitative Moment..	31.66
DMXF	iShares ESG Advanced MSCI EAFE ETF	35.39
EWJ	iShares MSCI Japan ETF	36.40
EFG	iShares MSCI EAFE Growth ETF	36.45
BBJP	JPMorgan BetaBuilders Japan Fund BetaBuilders Ja..	36.94
IQDG	WisdomTree International Quality Dividend Growth ..	36.99
ISRA	VanEck Israel ETF	37.12
FLJP	Franklin FTSE Japan ETF	37.14
BKCI	BNY Mellon Concentrated International ETF	37.41
JPXN	iShares JPM-Nikkei 400 ETF	37.81

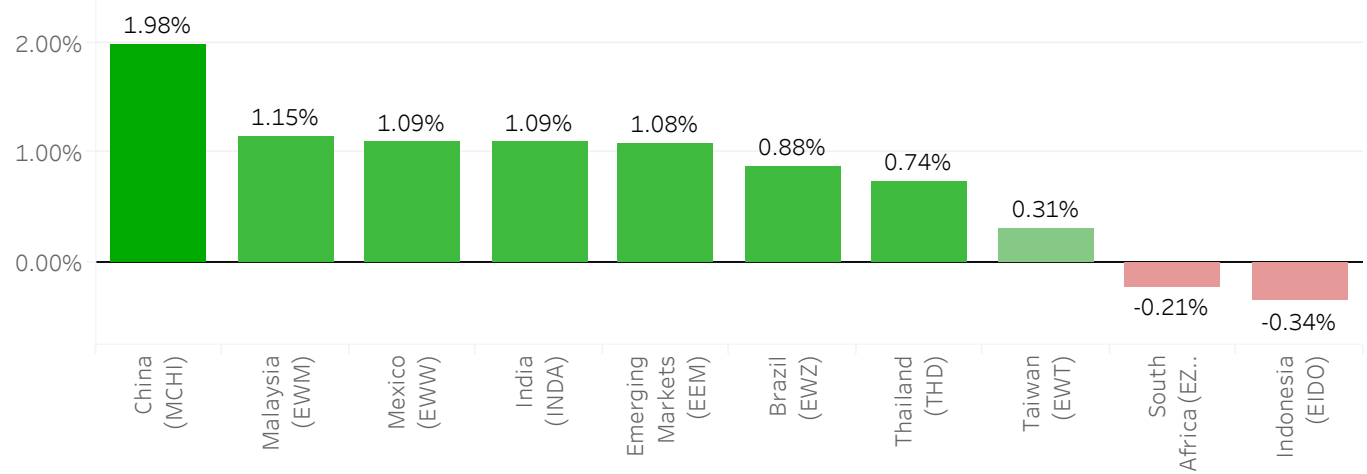
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



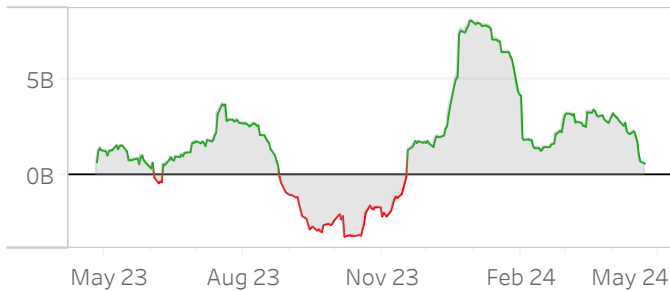
Emerging (EEM)



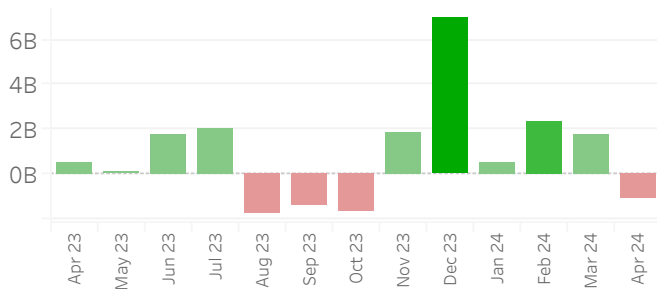
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	2.27%
PGJ	Invesco Golden Dragon China ETF	2.25%
EPOL	iShares MSCI Poland ETF	2.23%
MCHI	iShares MSCI China ETF	1.98%
GLIN	VanEck India Growth Leaders ETF	1.87%
FLCH	Franklin FTSE China ETF	1.86%
FXI	iShares China Large-Cap ETF	1.71%
EEMA	iShares MSCI Emerging Markets Asia ETF	1.60%
SMIN	iShares MSCI India Small Cap ETF	1.50%
GXC	SPDR S&P China ETF	1.48%

Emerging Most Overbought

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	62.95
EPI	WisdomTree India Earnings Fund	58.99
ARGT	Global X MSCI Argentina ETF	58.86
TUR	iShares MSCI Turkey ETF	58.44
EWM	iShares MSCI Malaysia ETF	58.10
EPU	iShares MSCI Peru and Global Exposure ETF	57.03
FLIN	Franklin FTSE India ETF	56.87
INDA	iShares MSCI India ETF	56.56
FXI	iShares China Large-Cap ETF	55.96
FLCH	Franklin FTSE China ETF	54.99

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-1.92%
QAT	iShares MSCI Qatar ETF	-1.61%
EPU	iShares MSCI Peru and Global Exposure ETF	-0.57%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.53%
CNYA	iShares MSCI China A ETF	-0.46%
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	-0.38%
EIDO	iShares MSCI Indonesia ETF	-0.34%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.28%
EZA	iShares MSCI South Africa ETF	-0.21%
EDIV	SPDR S&P Emerging Markets Dividend ETF	-0.12%

Emerging Most Oversold

Ticker	Fund	Value
EIDO	iShares MSCI Indonesia ETF	24.54
EPHE	iShares MSCI Philippines ETF	27.02
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	30.31
VNM	VanEck Vietnam ETF	30.66
EWT	iShares MSCI Taiwan ETF	31.79
KEMX	KraneShares MSCI Emerging Markets EX China Inde..	34.63
FM	iShares Frontier and Select EM ETF	35.91
XCEM	Columbia EM Core ex-China ETF	36.32
THD	iShares MSCI Thailand ETF	36.87
QAT	iShares MSCI Qatar ETF	38.06

\* 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	0.06%	-2.14%	-2.98%
SHY	1-3 Year Treasury Bonds	0.05%	-0.34%	-0.10%
IEF	7-10 Year Treasury Bonds	0.01%	-2.62%	-4.05%
TLT	20+ Year Treasury Bonds	-0.17%	-4.98%	-9.12%
TIP	TIPS Bonds	0.01%	-1.39%	-1.52%
FLOT	Floating Rate Bonds	0.00%	0.50%	2.30%
LQD	Investment Grade Corporate	0.25%	-2.76%	-3.82%
HYG	High Yield Corporate	0.55%	-1.17%	0.28%
BKLN	Senior Loan	0.22%	0.46%	1.86%
PFF	Preferred & Income Securities	0.49%	-3.76%	1.12%
MUB	Municipal Bonds	0.09%	-1.03%	-0.98%
MBB	MBS	0.07%	-2.54%	-3.66%
EMB	Dollar Denominated EM Bonds	0.54%	-1.60%	0.05%
LEMB	Local Currency EM Bond	0.13%	-1.73%	-3.53%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.12%	5.19%	6.78%
DBE	Energy	0.10%	1.49%	8.44%
USO	WTI Crude Oil	-0.09%	2.74%	18.20%
BNO	Brent Crude Oil	-0.22%	2.60%	17.17%
UNG	Natural Gas	3.58%	-0.46%	-25.84%
UGA	Gasoline	-0.62%	-0.42%	16.31%
DBP	Precious Metals	-2.98%	8.34%	13.42%
GLD	Gold	-2.47%	7.60%	12.76%
SLV	Silver	-4.85%	10.51%	14.46%
PPLT	abrdrn Physical Platin..	-1.27%	2.96%	-6.98%
PALL	abrdrn Physical Palla..	-1.29%	2.38%	-7.97%
DBB	Base Metals	-0.29%	13.46%	10.98%
CPER	Copper	0.04%	12.53%	16.45%
DBA	Agriculture	-1.21%	8.76%	26.28%
CORN	Corn	1.83%	-0.20%	-7.00%
SOYB	Soybeans	1.14%	-1.07%	-7.81%
WEAT	Wheat	3.56%	3.75%	-7.37%
CANE	Sugar	0.42%	-8.84%	-2.62%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.03%	2.08%	6.72%
UDN	Short Dollar	-0.06%	-1.55%	-3.91%
FXE	Euro	0.00%	-1.25%	-2.80%
FXB	British Pound Sterling	-0.14%	-1.67%	-2.12%
FXF	Swiss Franc	-0.17%	-1.50%	-7.69%
FXY	Japanese Yen	-0.15%	-2.25%	-9.10%
FXC	Canadian Dollar	0.31%	-0.45%	-2.50%
FXA	Australian Dollar	0.50%	-0.83%	-4.88%

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