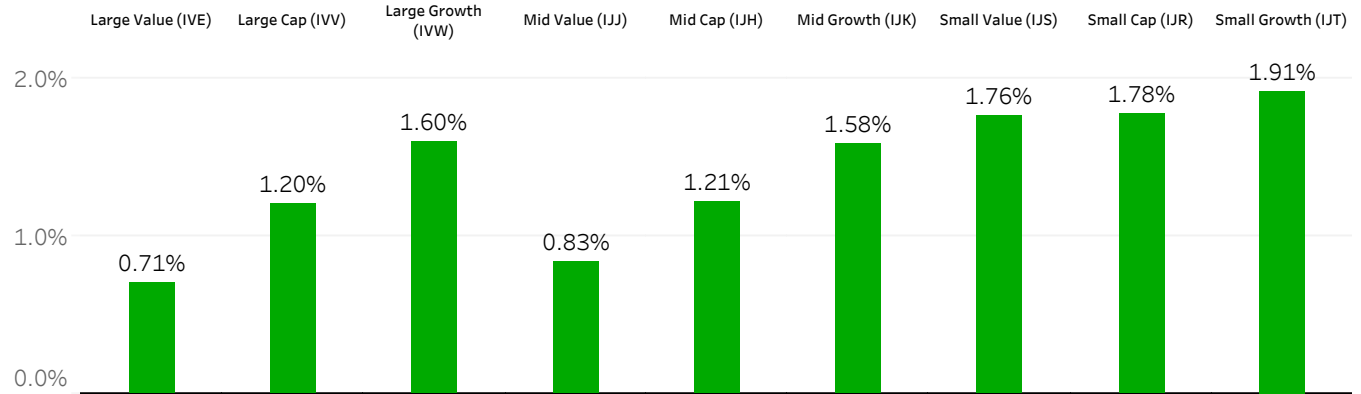


Large Cap Blend (S&P 500) IVV



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
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	3.51%
FPX	First Trust US Equity Opportunities ETF	2.89%
FFTY	Innovator IBD 50 ETF	2.78%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	2.66%
CSD	Invesco S&P Spin-Off ETF	2.63%
IPO	Renaissance IPO ETF	2.60%
XSMO	Invesco S&P SmallCap Momentum ETF	2.51%
CALF	Pacer US Small Cap Cash Cows 100 ETF	2.50%
VFMO	Vanguard U.S. Momentum Factor ETF	2.48%
FYC	First Trust Small Cap Growth AlphaDEX Fund	2.46%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	63.92
HDV	iShares Core High Dividend ETF	58.97
DHS	WisdomTree U.S. High Dividend Fund	57.90
DURA	VanEck Durable High Dividend ETF	57.68
FDL	First Trust Morningstar Dividend Leaders Index Fund	57.59
SPVU	Invesco S&P 500 Enhanced Value ETF	57.39
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	56.24
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	55.74
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	55.60
SIXA	ETC 6 Meridian Mega Cap Equity ETF	55.54

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	0.12%
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	0.20%
FTCS	First Trust Capital Strength ETF	0.21%
FTA	First Trust Large Cap Value AlphaDEX Fund	0.24%
SELV	SEI Enhanced Low Volatility U.S. Large Cap ETF	0.26%
SDY	SPDR S&P Dividend ETF	0.27%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.29%
SPLV	Invesco S&P 500 Low Volatility ETF	0.30%
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	0.31%
ABEQ	Absolute Select Value ETF	0.31%

Size & Style Most Oversold

Ticker	Fund	Value
LEAD	Siren DIVCON Leaders Dividend ETF	37.26
LCG	Sterling Capital Focus Equity ETF	38.12
VEGN	US Vegan Climate ETF	38.96
CHGX	AXS Change Finance ESG ETF	39.06
BIBL	Inspire 100 ETF	39.39
QQJQ	Invesco NASDAQ Next Gen 100 ETF	40.27
SEIQ	SEI Enhanced U.S. Large Cap Quality Factor ETF	40.88
VSMV	VictoryShares US Multi-Factor Minimum Volatility E..	41.43
VALQ	American Century U.S. Quality Value ETF	41.46
FTCS	First Trust Capital Strength ETF	41.46

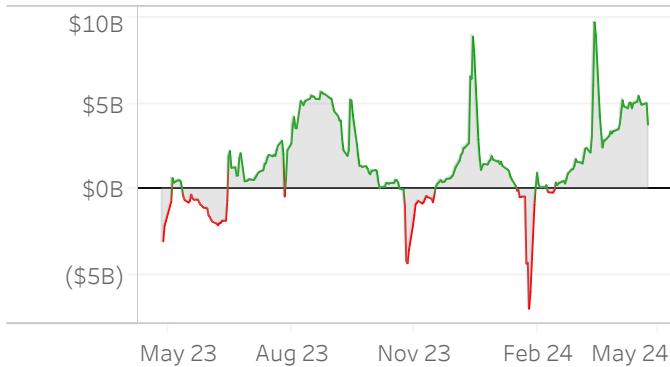
■ Closing Price    ■ 50 Day Moving Average    ■ 200 Day Moving Average

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

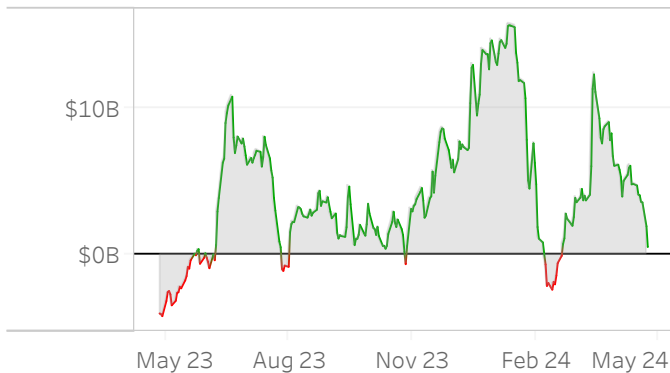
### Large-Cap 30-Day Rolling Flows



### 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	\$1,803B	\$8.07B	\$41.40B	\$129.21B	\$207.04B
Large Cap, Beta, Beta: Growth	10	\$348B	\$0.66B	\$11.43B	\$19.39B	\$27.42B
Large Cap, Beta, Beta: Value	11	\$255B	\$0.50B	\$6.52B	\$8.71B	\$6.38B
Mid Cap, Beta, Beta	10	\$221B	\$0.51B	\$5.38B	\$5.95B	\$11.30B
Mid Cap, Beta, Beta: Growth	6	\$42B	(\$0.31B)	\$1.12B	\$1.85B	\$2.40B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.44B)	(\$1.62B)	(\$1.74B)	(\$3.48B)
Small Cap, Beta, Beta	11	\$226B	(\$0.95B)	\$0.99B	\$13.40B	\$19.60B
Small Cap, Beta, Beta: Growth	7	\$37B	(\$0.22B)	\$0.83B	\$1.99B	\$2.26B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.19B)	(\$0.10B)	\$0.23B	(\$1.05B)

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

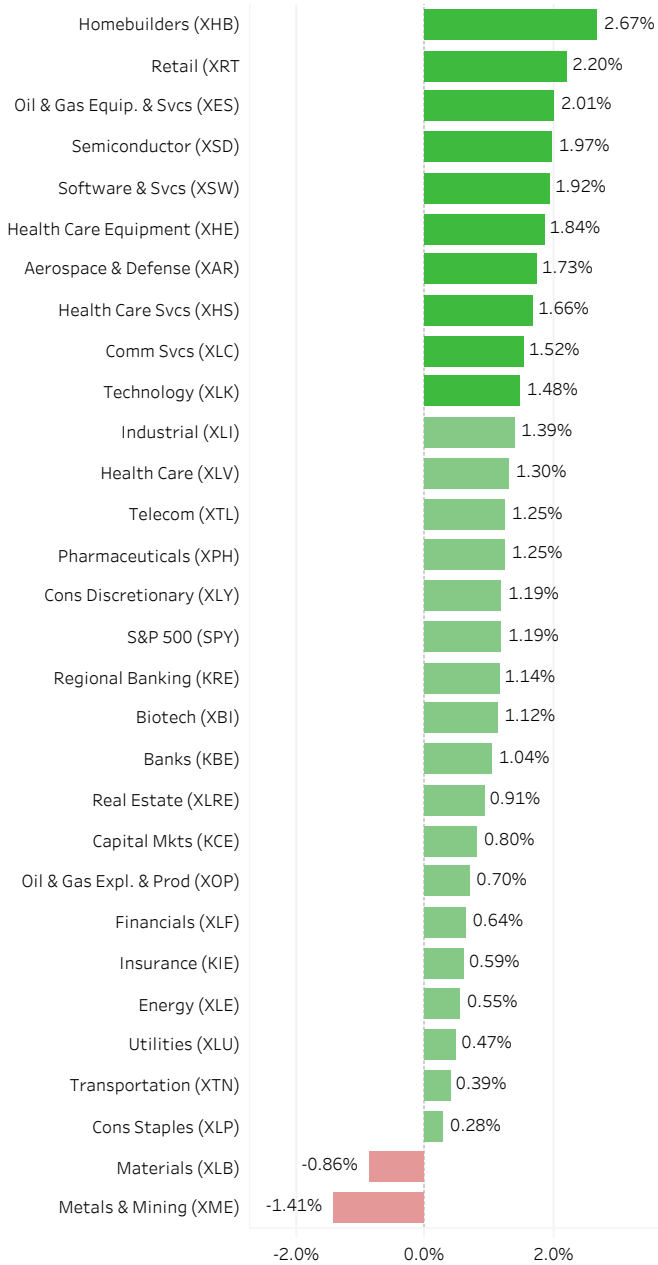
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$4.22B	\$3.61B	\$35.88B	\$39.81B	\$502.69B
QQQ	Invesco QQQ Trust Series I	\$2.04B	\$4.48B	\$11.08B	\$21.24B	\$245.27B
VOO	Vanguard S&P 500 ETF	\$0.84B	\$24.01B	\$42.05B	\$67.09B	\$423.35B
VTI	Vanguard Total Stock Market ETF	\$0.53B	\$8.07B	\$16.28B	\$27.97B	\$372.81B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.44B	\$5.09B	\$9.66B	\$12.10B	\$33.20B
IVV	iShares Core S&P 500 ETF	\$0.40B	\$2.66B	\$22.89B	\$51.22B	\$431.59B
IWD	iShares Russell 1000 Value ETF	\$0.39B	(\$0.51B)	(\$0.95B)	(\$2.40B)	\$53.80B
IWF	iShares Russell 1000 Growth ETF	\$0.30B	(\$0.07B)	\$1.12B	\$1.79B	\$84.51B
JEPQ	JPMorgan NASDAQ Equity Premium Income E..	\$0.28B	\$2.73B	\$5.17B	\$9.00B	\$11.89B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.25B	\$0.36B	\$0.23B	(\$0.22B)	\$21.29B

### 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	(\$0.74B)	(\$1.28B)	\$0.32B	(\$0.34B)	\$31.79B
IWM	iShares Russell 2000 ETF	(\$0.64B)	(\$3.90B)	\$3.36B	\$3.78B	\$58.48B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.42B)	(\$0.51B)	(\$0.65B)	(\$1.25B)	\$12.81B
IWP	iShares Russell Mid-Cap Growth ETF	(\$0.33B)	(\$0.35B)	(\$0.16B)	(\$0.16B)	\$14.21B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.29B)	(\$1.60B)	(\$1.69B)	(\$3.21B)	\$6.91B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.22B)	\$4.09B	\$8.67B	\$15.58B	\$53.92B
LCTU	BlackRock U.S. Carbon Transition Readiness E..	(\$0.21B)	(\$0.24B)	(\$0.57B)	(\$0.54B)	\$1.16B
VIG	Vanguard Dividend Appreciation ETF	(\$0.20B)	\$0.38B	\$0.53B	\$1.05B	\$75.67B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.17B)	\$0.07B	(\$0.19B)	(\$2.12B)	\$9.51B
IWN	iShares Russell 2000 Value ETF	(\$0.16B)	(\$0.26B)	\$0.16B	(\$0.53B)	\$11.61B

\* 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	-2.00%	25.50%	5.27%	9.96%	61.18
XLP	Consumer Staples Select Sector SPDR Fund	-2.28%	13.80%	0.79%	4.36%	58.86
XLI	Industrial Select Sector SPDR Fund	-2.29%	27.61%	0.64%	10.67%	51.79
XLF	Financial Select Sector SPDR Fund	-2.35%	30.78%	1.03%	12.03%	55.37
XLC	Communication Services Select Sector SPDR Fund	-2.44%	37.98%	0.42%	11.73%	49.93
SPY	SPDR S&P 500 ETF Trust	-3.35%	23.25%	-1.07%	8.05%	45.48
XLU	Utilities Select Sector SPDR Fund	-4.35%	18.06%	4.32%	5.81%	63.08
XLV	Health Care Select Sector SPDR Fund	-4.44%	14.75%	-2.16%	3.73%	46.15
XLB	Materials Select Sector SPDR Fund	-5.14%	18.56%	-1.40%	5.77%	34.81
XLK	Technology Select Sector SPDR Fund	-6.58%	31.42%	-4.07%	5.87%	39.45
XLV	Consumer Discretionary Select Sector SPDR Fund	-6.75%	17.04%	-3.96%	0.65%	38.36
XLRE	Real Estate Select Sector SPDR Fund	-9.88%	13.39%	-5.08%	-2.02%	38.09

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PKB	Invesco Building & Construction ETF	3.23%
PEZ	Invesco Dorsey Wright Consumer Cyclical Momen..	3.10%
AIRR	First Trust RBA American Industrial Renaissance E..	2.92%
PTF	Invesco Dorsey Wright Technology Momentum ETF	2.79%
PRN	Invesco Dorsey Wright Industrials Momentum ETF	2.78%
ITB	iShares U.S. Home Construction ETF	2.74%
XHB	SPDR S&P Homebuilders ETF	2.67%
PSI	Invesco Semiconductors ETF	2.36%
XRT	SPDR S&P Retail ETF	2.20%
SOXQ	Invesco PHLX Semiconductor ETF	2.14%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IDU	iShares U.S. Utilities ETF	63.19
XLU	Utilities Select Sector SPDR Fund	63.08
FUTY	Fidelity MSCI Utilities Index ETF	62.59
VPU	Vanguard Utilities ETF	62.48
UTES	Virtus Reaves Utilities ETF	62.44
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	61.99
ENFR	Alerian Energy Infrastructure ETF	61.49
XLE	Energy Select Sector SPDR Fund	61.18
IYE	iShares U.S. Energy ETF	61.15
FXU	First Trust Utilities AlphaDEX Fund	60.79

### Sector & Industry 1 Day Performance Laggards

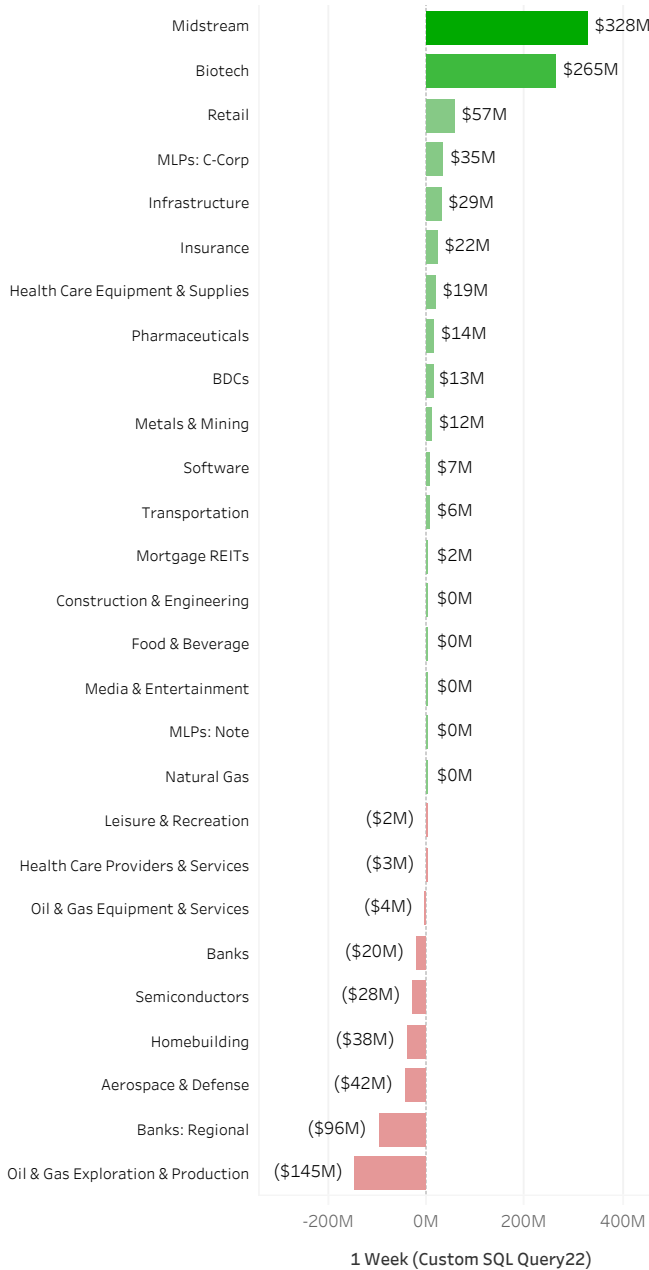
Ticker	Fund	1 Day Performance
XME	SPDR S&P Metals & Mining ETF	-1.41%
IYM	iShares U.S. Basic Materials ETF	-0.97%
XLB	Materials Select Sector SPDR Fund	-0.86%
VAW	Vanguard Materials ETF	-0.80%
FMAT	Fidelity MSCI Materials Index ETF	-0.77%
RSPM	Invesco S&P 500 Equal Weight Materials ETF	-0.73%
FXZ	First Trust Materials AlphaDEX Fund	-0.72%
PYZ	Invesco Dorsey Wright Basic Materials Momentum ETF	-0.25%
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.04%
KBWP	Invesco KBW Property & Casualty Insurance ETF	-0.04%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
INDS	Pacer Industrial Real Estate ETF	34.14
XLB	Materials Select Sector SPDR Fund	34.81
IYM	iShares U.S. Basic Materials ETF	34.89
FMAT	Fidelity MSCI Materials Index ETF	35.05
XBI	SPDR S&P BIOTECH ETF	35.22
VAW	Vanguard Materials ETF	35.72
XPH	SPDR S&P Pharmaceuticals ETF	35.83
RSPM	Invesco S&P 500 Equal Weight Materials ETF	35.99
IHE	iShares U.S. Pharmaceuticals ETF	36.31
XTL	SPDR S&P Telecom ETF	36.47

\* 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	(\$65M)	(\$48M)	\$606M	\$2,335M
Consumer Discretionary	12	\$29B	(\$4M)	\$959M	\$1,491M	\$2,943M
Consumer Staples	10	\$24B	(\$451M)	(\$2,174M)	(\$4,675M)	(\$6,901M)
Energy	30	\$80B	(\$3M)	\$1,042M	(\$1,457M)	(\$2,040M)
Financials	26	\$65B	\$321M	(\$1,121M)	\$1,669M	(\$2,368M)
Health Care	23	\$86B	\$321M	(\$1,471M)	(\$3,637M)	(\$7,424M)
Industrial	13	\$41B	\$606M	\$2,662M	\$2,419M	\$3,419M
Materials	9	\$13B	(\$24M)	\$62M	(\$768M)	(\$2,874M)
Multi-Sector	16	\$22B	(\$71M)	\$1,154M	\$1,074M	\$3,356M
Real Estate	25	\$56B	(\$239M)	\$594M	\$2,652M	\$2,717M
Technology	23	\$184B	(\$111M)	\$4,726M	\$10,860M	\$12,341M
Utilities	9	\$20B	(\$123M)	(\$2,803M)	(\$3,283M)	(\$4,321M)

## U.S. Sector & Industry Flow Leaders

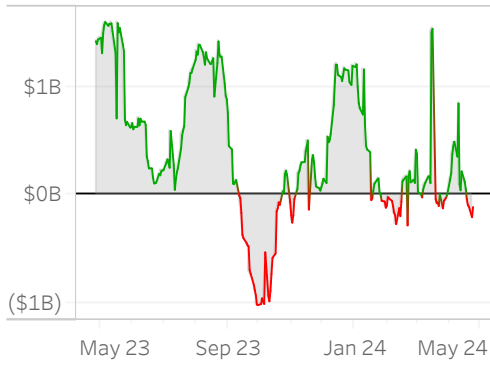
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	\$615M	\$1,813M	\$1,263M	\$2,058M	\$18,396M
XLF	Financial Select Sector SPDR Fund	\$405M	\$28M	\$1,352M	(\$978M)	\$38,183M
MLPX	Global X MLP & Energy Infrastructure ETF	\$273M	\$284M	\$277M	\$221M	\$1,356M
XBI	SPDR S&P BIOTECH ETF	\$265M	\$334M	\$231M	(\$127M)	\$6,540M
IYW	iShares U.S. Technology ETF	\$97M	\$927M	\$1,718M	\$1,246M	\$15,584M
XHB	SPDR S&P Homebuilders ETF	\$65M	(\$11M)	\$176M	\$349M	\$1,767M
XRT	SPDR S&P Retail ETF	\$57M	\$49M	\$167M	\$124M	\$518M
TPYP	Tortoise North American Pipeline Fund	\$55M	\$37M	\$15M	(\$45M)	\$537M
VCR	Vanguard Consumer Discretionary ETF	\$41M	\$156M	\$62M	\$437M	\$5,242M
AMPLP	Alerian MLP ETF	\$37M	\$274M	\$451M	\$504M	\$8,374M

## U.S. Sector & Industry Flow Laggards

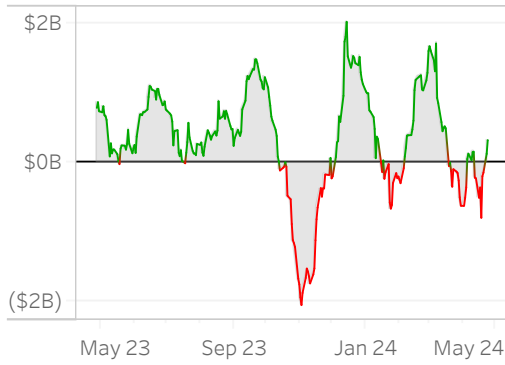
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$439M)	(\$1,813M)	(\$3,364M)	(\$3,949M)	\$13,950M
XLE	Energy Select Sector SPDR Fund	(\$213M)	\$238M	(\$1,540M)	(\$1,849M)	\$40,839M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$161M)	\$37M	\$121M	\$57M	\$4,094M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$112M)	\$666M	\$1,265M	\$2,168M	\$18,860M
ITB	iShares U.S. Home Construction ETF	(\$103M)	\$415M	\$350M	\$267M	\$2,695M
VNQ	Vanguard Real Estate ETF	(\$94M)	\$739M	\$357M	\$49M	\$31,167M
XLU	Utilities Select Sector SPDR Fund	(\$93M)	(\$2,718M)	(\$2,754M)	(\$3,245M)	\$11,911M
IYR	iShares U.S. Real Estate ETF	(\$86M)	(\$333M)	\$865M	\$966M	\$3,608M
KRE	SPDR S&P Regional Banking ETF	(\$85M)	(\$641M)	(\$172M)	(\$646M)	\$2,605M
XLC	Communication Services Select Sector SPDR Fu..	(\$64M)	(\$150M)	\$698M	\$2,017M	\$17,426M

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

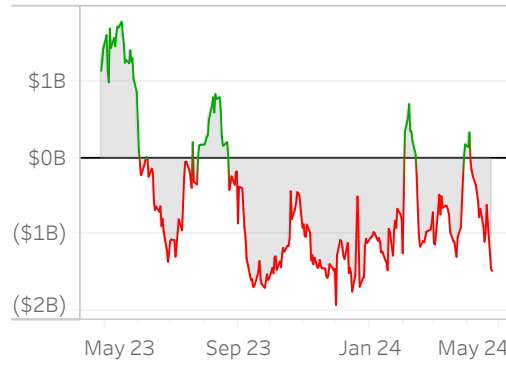
Communication Services



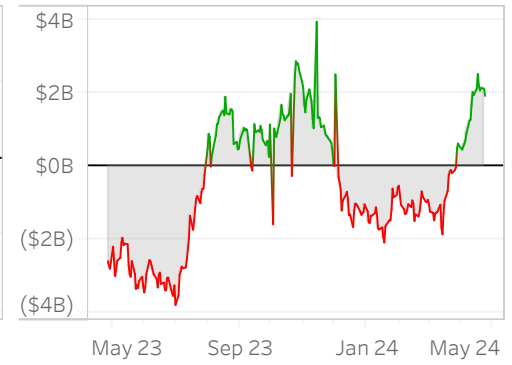
Consumer Discretionary



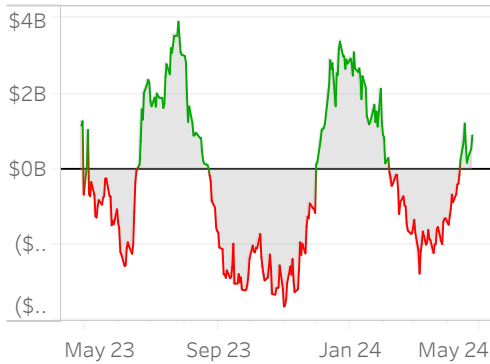
Consumer Staples



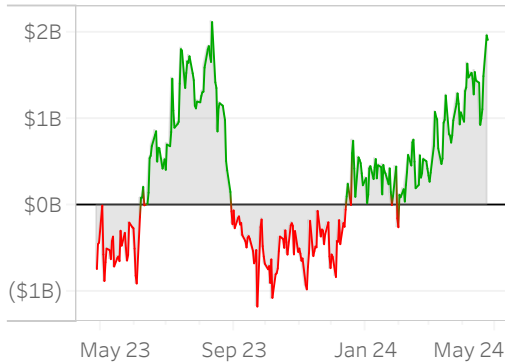
Energy



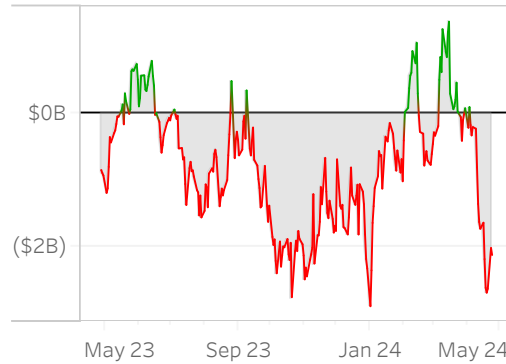
Financials



Industrial



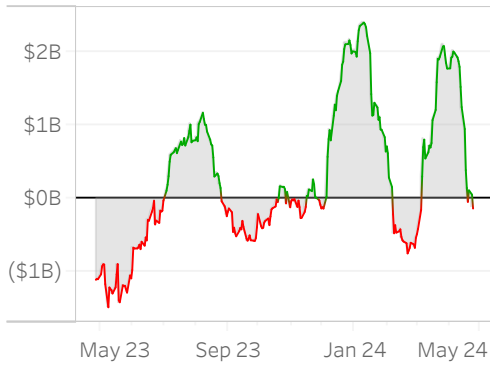
Health Care



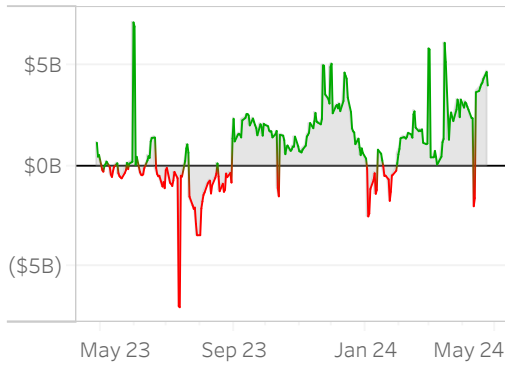
Materials



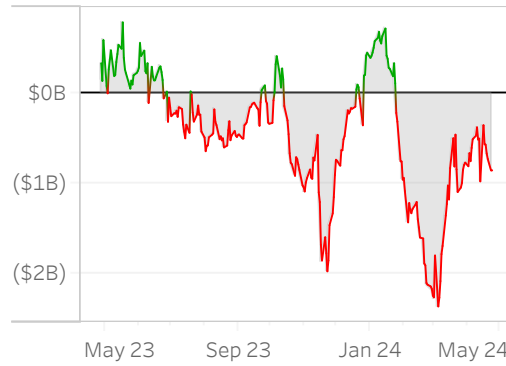
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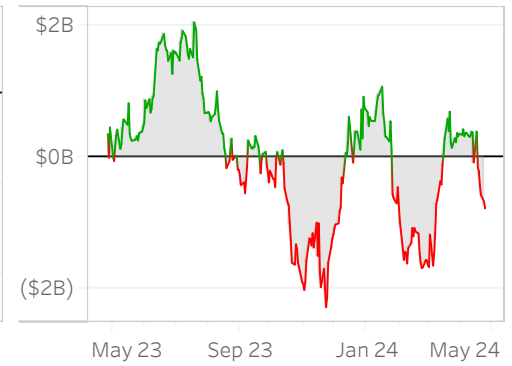
Technology



Utilities

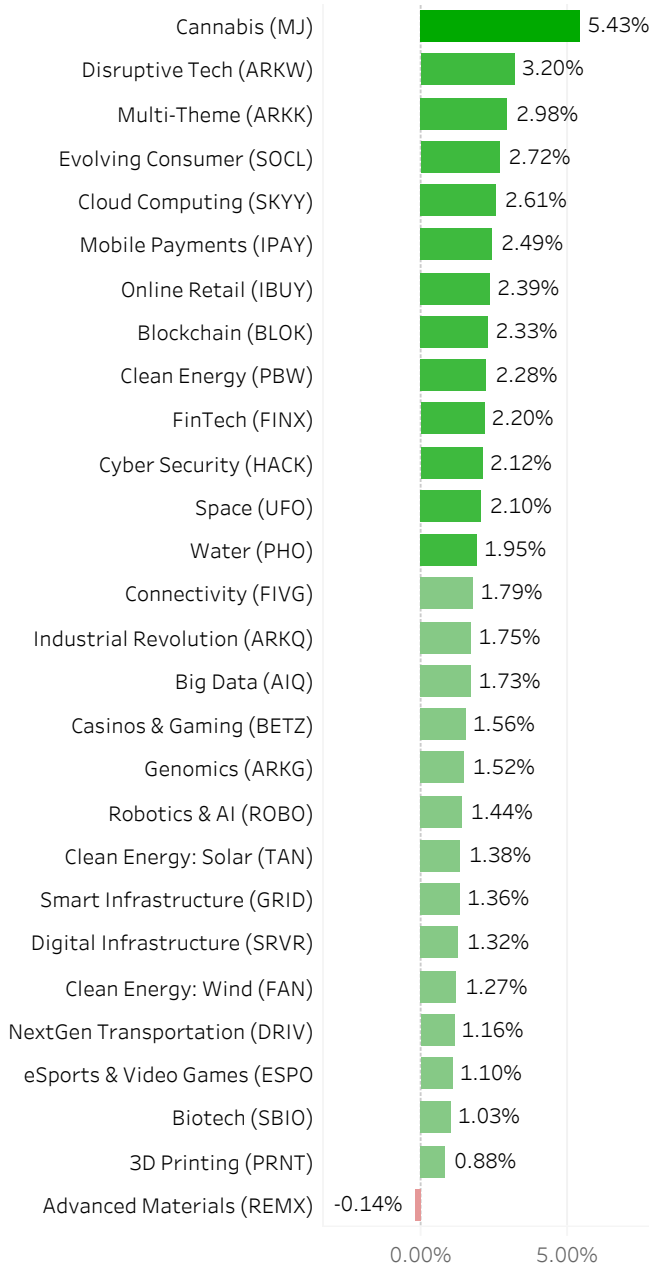


Multi-Sector

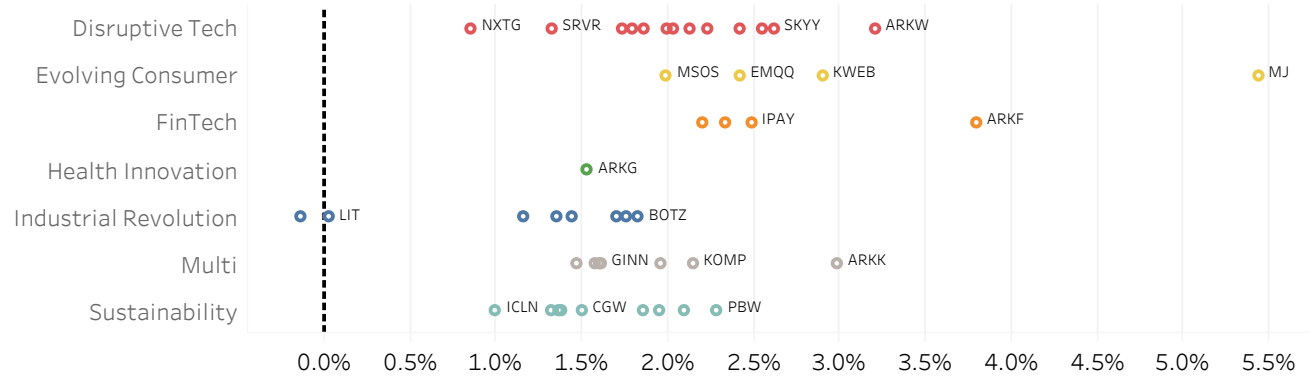


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy ..	5.65%
MJ	Amplify Alternative Harvest ETF	5.43%
BKCH	Global X Blockchain ETF	5.20%
WGMI	Valkyrie Bitcoin Miners ETF	4.44%
DAPP	VanEck Digital Transformation ETF	4.24%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	3.87%
ARKF	ARK Fintech Innovation ETF	3.79%
WCBR	WisdomTree Cybersecurity Fund	3.37%
FCLD	Fidelity Cloud Computing ETF	3.22%
ARKW	ARK Next Generation Internet ETF	3.20%

Thematic Most Overbought

Ticker	Fund	Value
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	62.24
CGW	Invesco S&P Global Water Index ETF	61.37
KWEB	KraneShares CSI China Internet ETF	61.17
WGMI	Valkyrie Bitcoin Miners ETF	57.92
BKCH	Global X Blockchain ETF	56.56
FDIG	Fidelity Crypto Industry and Digital Payments ETF	55.42
FIW	First Trust Water ETF	55.17
DAPP	VanEck Digital Transformation ETF	54.87
PHO	Invesco Water Resources ETF	54.72
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy E..	53.56

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.39%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	-0.24%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.14%
BATT	Amplify Lithium & Battery Technology ETF	-0.11%
LIT	Global X Lithium & Battery Tech ETF	0.02%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	0.04%
HERO	Global X Video Games & Esports ETF	0.10%
IDRV	iShares Self-driving EV & Tech ETF	0.55%
EVX	VanEck Environmental Services ETF	0.72%
NXTG	First Trust Indxx NextG ETF	0.85%

Thematic Most Oversold

Ticker	Fund	Value
ARKG	ARK Genomic Revolution ETF	30.81
IDRV	iShares Self-driving EV & Tech ETF	33.72
BATT	Amplify Lithium & Battery Technology ETF	33.75
PBW	Invesco WilderHill Clean Energy ETF	33.88
GNOM	Global X Genomics & Biotechnology ETF	34.43
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	35.84
DTCR	Global X Data Center And Digital Infrastructure ETF	36.17
DRIV	Global X Autonomous & Electric Vehicles ETF	36.54
LIT	Global X Lithium & Battery Tech ETF	36.79
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	37.17

\* 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	\$35M
PHO	Invesco Water Resources ETF	\$10M
AIQ	Global X Artificial Intelligence & Technology ETF	\$8M
ARKK	ARK Innovation ETF	\$8M
MSOS	AdvisorShares Pure US Cannabis ETF	\$6M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M
TARK	AXS 2X Innovation ETF	\$5M
FFLC	Fidelity Fundamental Large Cap Core ETF	\$4M
SPRX	Spear Alpha ETF	\$3M
DAPP	VanEck Digital Transformation ETF	\$1M

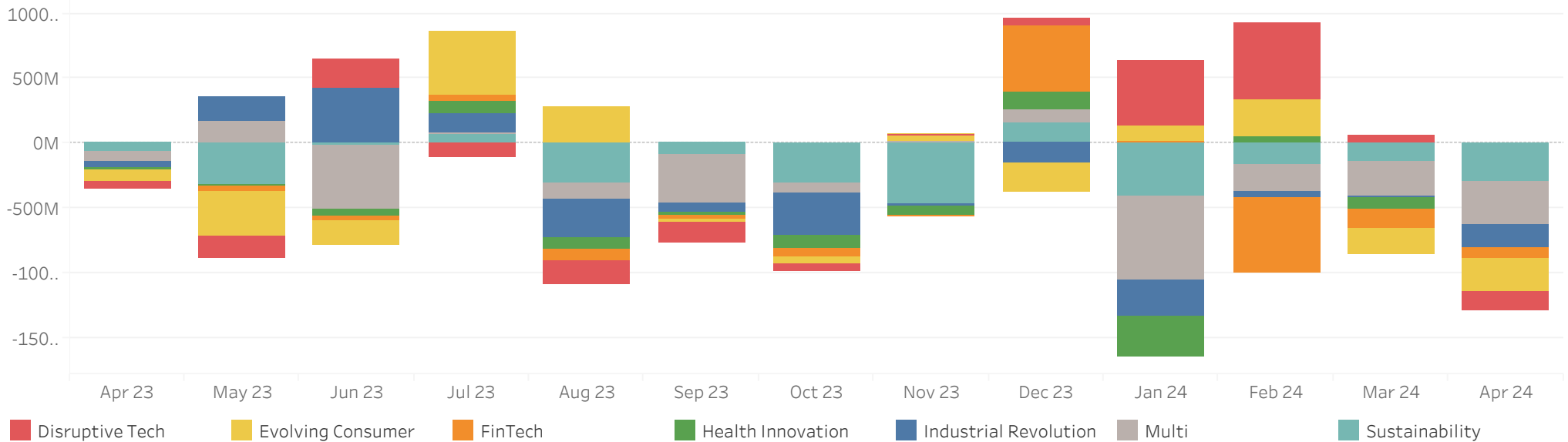
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$180M)
TAN	Invesco Solar ETF	(\$124M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$80M)
CLOU	Global X Cloud Computing ETF	(\$33M)
ICLN	iShares Global Clean Energy ETF	(\$25M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$16M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$16M)
PBW	Invesco WilderHill Clean Energy ETF	(\$15M)
WCLD	WisdomTree Cloud Computing Fund	(\$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	(\$165M)	\$798M	\$1,076M	\$551M
Evolving Consumer	34	\$8B	(\$159M)	(\$51M)	(\$226M)	(\$119M)
FinTech	17	\$3B	(\$11M)	(\$930M)	(\$276M)	(\$523M)
Health Innovation	17	\$2B	\$16M	(\$156M)	(\$369M)	(\$500M)
Industrial Revolution	29	\$9B	(\$51M)	(\$343M)	(\$743M)	(\$667M)
Multi	33	\$13B	(\$60M)	(\$967M)	(\$1,328M)	(\$2,289M)
Sustainability	39	\$11B	(\$164M)	(\$623M)	(\$1,458M)	(\$2,362M)
<b>Grand Total</b>	<b>202</b>	<b>\$67B</b>	<b>(\$594M)</b>	<b>(\$2,273M)</b>	<b>(\$3,324M)</b>	<b>(\$5,909M)</b>

### Thematic Monthly Flows

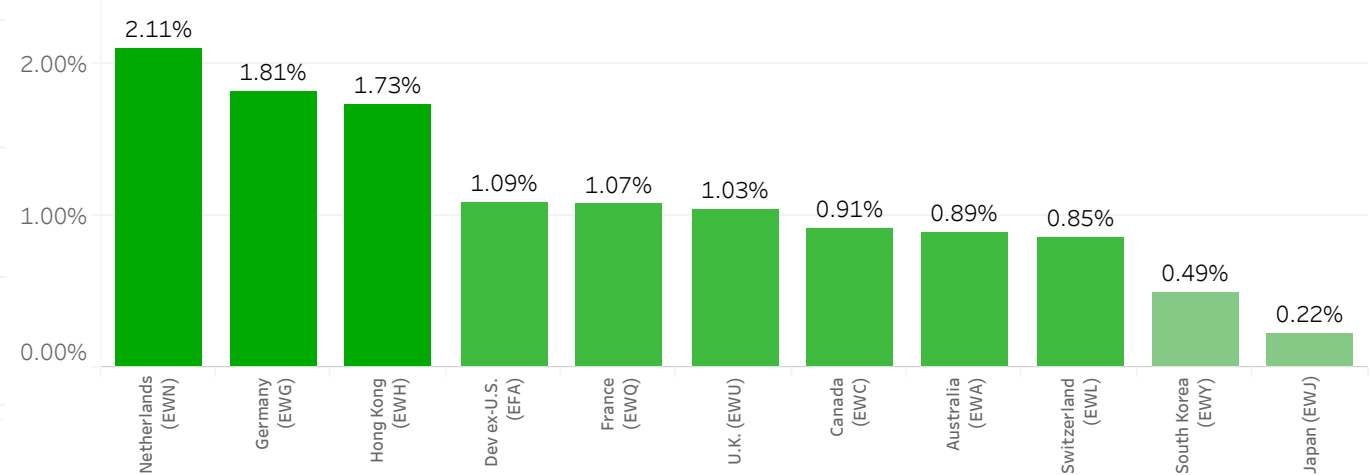


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

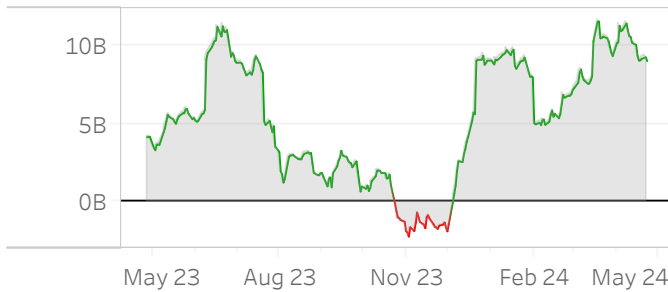
Developed ex-U.S. (EFA)



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



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



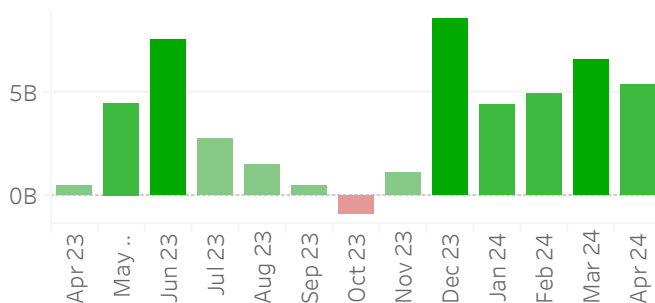
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	2.45%
PIZ	Invesco Dorsey Wright Developed Markets Momentum ETF	2.34%
EWI	iShares MSCI Italy ETF	2.26%
EWN	iShares MSCI Netherlands ETF	2.11%
EWS	iShares MSCI Singapore ETF	2.00%
EWD	iShares MSCI Sweden ETF	1.94%
DAX	Global X DAX Germany ETF	1.88%
FEZ	SPDR EURO STOXX 50 ETF	1.82%
EWP	iShares MSCI Spain ETF	1.81%
EWG	iShares MSCI Germany ETF	1.81%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWS	iShares MSCI Singapore ETF	64.77
EWO	iShares MSCI Austria ETF	64.17
LVHI	Franklin International Low Volatility High Dividend Index ..	63.39
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	63.30
EWP	iShares MSCI Spain ETF	62.41
EWI	iShares MSCI Italy ETF	61.92
FDD	First Trust Stoxx European Select Dividend Index Fund	61.62
GREK	Global X MSCI Greece ETF	61.39
EWU	iShares MSCI United Kingdom ETF	60.88
HEZU	iShares Currency Hedged MSCI Eurozone ETF	59.96

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	-0.65%
FJP	First Trust Japan AlphaDEX Fund	-0.61%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.01%
EWJV	iShares MSCI Japan Value ETF	0.06%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.09%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.11%
DXJ	WisdomTree Japan Hedged Equity Fund	0.12%
FLJH	Franklin FTSE Japan Hedged ETF Franklin FTSE Japan Hed..	0.13%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.15%
JPXN	iShares JPX-Nikkei 400 ETF	0.17%

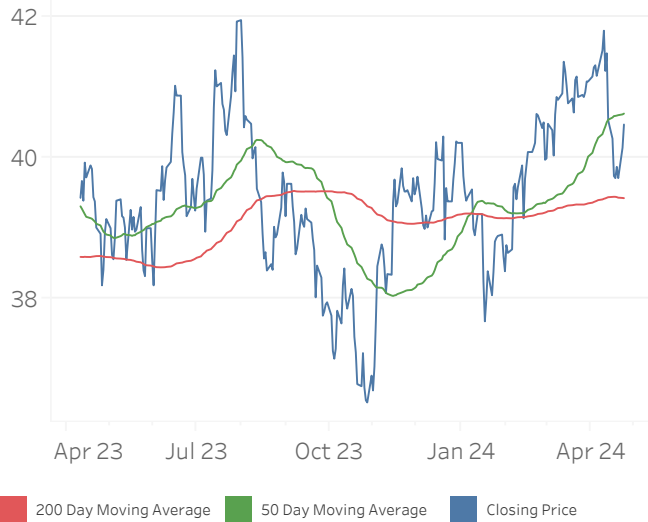
Developed ex-U.S. Most Oversold

Ticker	Fund	Value
EWJ	iShares MSCI Japan ETF	37.75
BBJP	JPMorgan BetaBuilders Japan Fund BetaBuilders Ja..	38.48
FLJP	Franklin FTSE Japan ETF	38.60
JPXN	iShares JPX-Nikkei 400 ETF	38.82
IMOM	Alpha Architect International Quantitative Moment..	39.29
FJP	First Trust Japan AlphaDEX Fund	39.39
ENZL	iShares MSCI New Zealand ETF	39.88
SCJ	iShares MSCI Japan Small-Cap ETF	39.96
DFJ	WisdomTree Japan SmallCap Dividend Fund	40.06
IPAC	iShares Core MSCI Pacific ETF	40.36

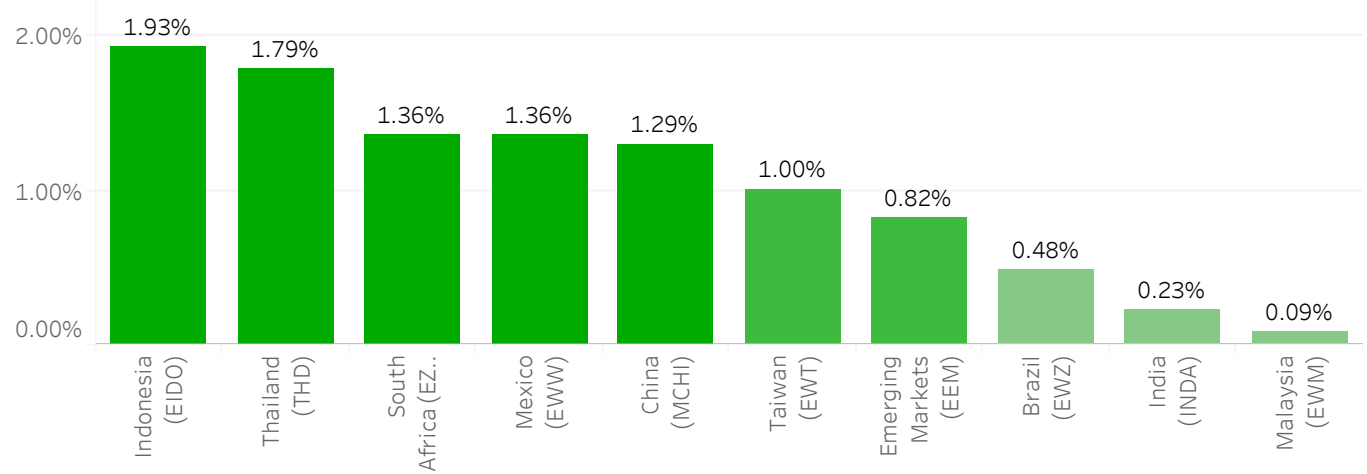
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



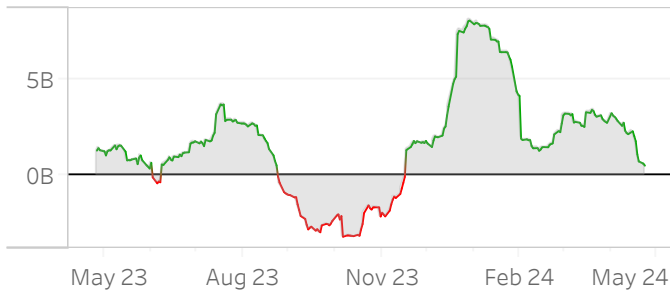
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



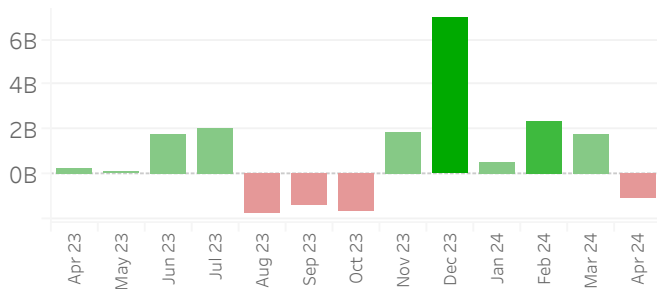
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	2.12%
EIDO	iShares MSCI Indonesia ETF	1.93%
THD	iShares MSCI Thailand ETF	1.79%
FXI	iShares China Large-Cap ETF	1.56%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.42%
MEM	Matthews Emerging Markets Equity Active ETF	1.40%
EPHE	iShares MSCI Philippines ETF	1.37%
EZA	iShares MSCI South Africa ETF	1.36%
EWW	iShares MSCI Mexico ETF	1.36%
MCHI	iShares MSCI China ETF	1.29%

Emerging Most Overbought

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	66.65
EPI	WisdomTree India Earnings Fund	61.01
FXI	iShares China Large-Cap ETF	60.68
MCHI	iShares MSCI China ETF	59.22
ARGT	Global X MSCI Argentina ETF	59.06
EWM	iShares MSCI Malaysia ETF	58.69
TUR	iShares MSCI Turkey ETF	58.48
FLIN	Franklin FTSE India ETF	58.28
FLCH	Franklin FTSE China ETF	58.10
INDA	iShares MSCI India ETF	58.01

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
CNYA	iShares MSCI China A ETF	-0.82%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.70%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-0.60%
EPU	iShares MSCI Peru and Global Exposure ETF	-0.46%
GLIN	VanEck India Growth Leaders ETF	-0.27%
KSA	iShares MSCI Saudi Arabia ETF	-0.09%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.09%
JPEM	JPMorgan Diversified Return Emerging Markets Equity ..	-0.06%
TUR	iShares MSCI Turkey ETF	0.01%
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	0.05%

Emerging Most Oversold

Ticker	Fund	Value
VNM	VanEck Vietnam ETF	28.55
EPHE	iShares MSCI Philippines ETF	34.30
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	36.04
EIDO	iShares MSCI Indonesia ETF	36.77
EWT	iShares MSCI Taiwan ETF	37.28
KEMX	KraneShares MSCI Emerging Markets EX China Inde..	38.47
FM	iShares Frontier and Select EM ETF	38.87
EWZS	iShares MSCI Brazil Small-Cap ETF	39.17
KSA	iShares MSCI Saudi Arabia ETF	40.40
XCEM	Columbia EM Core ex-China ETF	41.43

\* 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	0.21%	-1.94%	-2.78%
SHY	1-3 Year Treasury Bonds	0.09%	-0.26%	-0.01%
IEF	7-10 Year Treasury Bonds	0.13%	-2.50%	-3.92%
TLT	20+ Year Treasury Bonds	0.03%	-4.95%	-9.09%
TIP	TIPS Bonds	0.09%	-1.30%	-1.43%
FLOT	Floating Rate Bonds	0.04%	0.54%	2.34%
LQD	Investment Grade Corporate	0.17%	-2.59%	-3.66%
HYG	High Yield Corporate	0.41%	-0.77%	0.69%
BKLN	Senior Loan	0.29%	0.75%	2.15%
PFF	Preferred & Income Securities	0.97%	-2.83%	2.10%
MUB	Municipal Bonds	-0.05%	-1.08%	-1.03%
MBB	MBS	0.36%	-2.19%	-3.31%
EMB	Dollar Denominated EM Bonds	0.14%	-1.47%	0.19%
LEMB	Local Currency EM Bond	0.47%	-1.28%	-3.08%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.09%	5.28%	6.88%
DBE	Energy	0.96%	2.46%	9.48%
USO	WTI Crude Oil	1.52%	4.30%	20.00%
BNO	Brent Crude Oil	1.34%	3.98%	18.75%
UNG	Natural Gas	2.66%	2.18%	-23.87%
UGA	Gasoline	1.20%	0.78%	17.71%
DBP	Precious Metals	-0.29%	8.03%	13.09%
GLD	Gold	-0.25%	7.33%	12.49%
SLV	Silver	0.24%	10.77%	14.74%
PPLT	abrdrn Physical Platin..	-1.32%	1.60%	-8.21%
PALL	abrdrn Physical Palla..	0.70%	3.09%	-7.33%
DBB	Base Metals	-2.02%	11.17%	8.74%
CPER	Copper	-1.57%	10.77%	14.62%
DBA	Agriculture	-0.92%	7.77%	25.12%
CORN	Corn	0.50%	0.30%	-6.54%
SOYB	Soybeans	0.16%	-0.91%	-7.67%
WEAT	Wheat	2.35%	6.19%	-5.19%
CANE	Sugar	-0.33%	-9.14%	-2.94%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.42%	1.66%	6.28%
UDN	Short Dollar	0.56%	-0.99%	-3.36%
FXE	Euro	0.48%	-0.77%	-2.33%
FXB	British Pound Sterling	0.78%	-0.90%	-1.35%
FXF	Swiss Franc	0.01%	-1.49%	-7.69%
FXJ	Japanese Yen	0.02%	-2.24%	-9.09%
FXC	Canadian Dollar	0.25%	-0.20%	-2.25%
FXA	Australian Dollar	0.57%	-0.27%	-4.34%

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