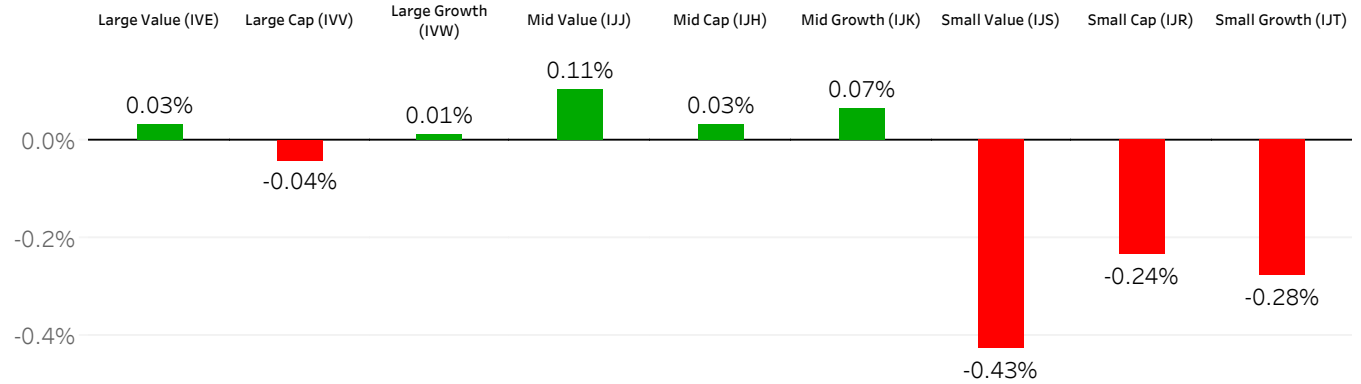


Large Cap Blend (S&P 500) IVV



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
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.68%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	0.65%
DIV	Global X SuperDividend US ETF	0.64%
CDL	VictoryShares US Large Cap High Dividend Volatility Wt..	0.62%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	0.61%
DVY	iShares Select Dividend ETF	0.58%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	0.53%
SPHB	Invesco S&P 500 High Beta ETF	0.51%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	0.50%
SDOG	ALPS Sector Dividend Dogs ETF	0.49%

Size & Style Most Overbought

Ticker	Fund	Price
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
CALF	Pacer US Small Cap Cash Cows 100 ETF	-1.06%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-0.83%
IPO	Renaissance IPO ETF	-0.74%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	-0.64%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-0.57%
ISCG	iShares Morningstar Small-Cap Growth ETF	-0.54%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-0.54%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-0.54%
SLYV	SPDR S&P 600 Small Cap Value ETF	-0.53%
FYC	First Trust Small Cap Growth AlphaDEX Fund	-0.47%

Size & Style Most Oversold

Ticker	Fund	Price
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

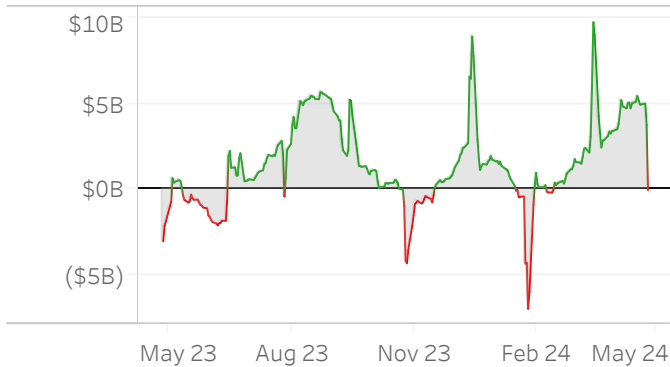
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

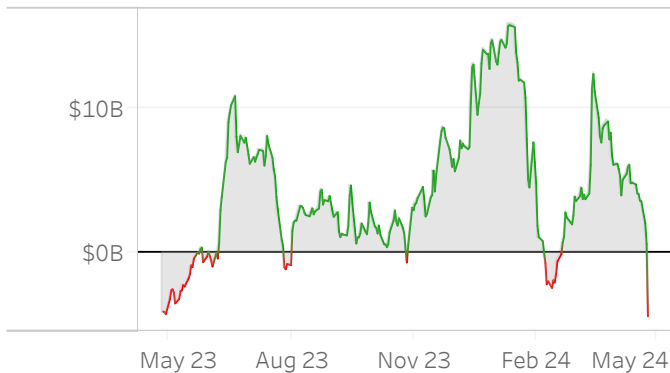
Large-Cap 30-Day Rolling Flows



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	\$1,822B	\$4.68B	\$34.54B	\$126.58B	\$198.80B
Large Cap, Beta, Beta: Growth	10	\$353B	\$0.34B	\$10.95B	\$19.17B	\$27.01B
Large Cap, Beta, Beta: Value	11	\$258B	\$0.86B	\$6.85B	\$9.05B	\$6.52B
Mid Cap, Beta, Beta	10	\$224B	\$0.35B	\$5.41B	\$6.07B	\$11.35B
Mid Cap, Beta, Beta: Growth	6	\$42B	(\$0.63B)	\$0.83B	\$1.52B	\$2.06B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.79B)	(\$1.98B)	(\$2.11B)	(\$3.84B)
Small Cap, Beta, Beta	11	\$230B	(\$0.37B)	\$1.40B	\$12.78B	\$18.62B
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.23B)	\$0.79B	\$2.01B	\$2.25B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.13B)	(\$0.03B)	\$0.26B	(\$1.03B)

U.S. Size & Style Flow Leaders

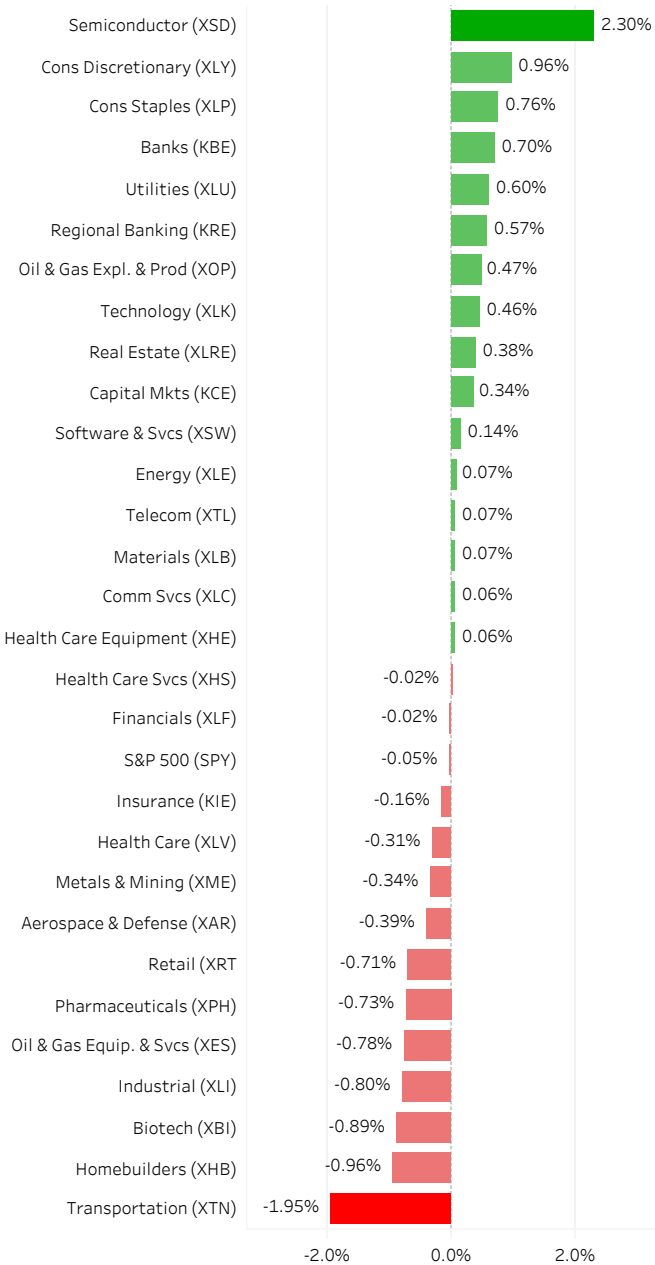
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.73B	(\$1.13B)	\$34.19B	\$33.00B	\$505.04B
QQQ	Invesco QQQ Trust Series I	\$1.72B	\$3.22B	\$10.35B	\$19.48B	\$248.24B
VOO	Vanguard S&P 500 ETF	\$0.69B	\$23.63B	\$42.25B	\$67.08B	\$428.54B
VTI	Vanguard Total Stock Market ETF	\$0.51B	\$8.11B	\$16.42B	\$28.32B	\$377.70B
IWD	iShares Russell 1000 Value ETF	\$0.39B	(\$0.43B)	(\$0.95B)	(\$2.37B)	\$54.28B
JEPQ	JPMorgan NASDAQ Equity Premium Income E..	\$0.38B	\$2.71B	\$5.25B	\$9.08B	\$12.16B
IWF	iShares Russell 1000 Growth ETF	\$0.30B	(\$0.16B)	\$1.11B	\$1.80B	\$85.79B
VTV	Vanguard Value ETF	\$0.27B	\$1.34B	\$1.02B	(\$1.56B)	\$113.20B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.26B	\$4.98B	\$9.55B	\$12.03B	\$33.54B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.25B	\$0.34B	\$0.23B	(\$0.22B)	\$21.56B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FTCS	First Trust Capital Strength ETF	(\$1.23B)	(\$0.26B)	(\$0.67B)	(\$1.03B)	\$8.65B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.82B)	(\$0.90B)	(\$1.06B)	(\$1.65B)	\$12.54B
IWP	iShares Russell Mid-Cap Growth ETF	(\$0.61B)	(\$0.61B)	(\$0.47B)	(\$0.47B)	\$14.15B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.26B)	(\$0.92B)	\$0.46B	(\$0.10B)	\$32.32B
IWM	iShares Russell 2000 ETF	(\$0.23B)	(\$3.31B)	\$2.75B	\$2.77B	\$59.57B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.21B)	\$0.96B	\$1.61B	\$3.26B	\$24.21B
VIG	Vanguard Dividend Appreciation ETF	(\$0.21B)	\$0.39B	\$0.48B	\$1.05B	\$76.18B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.16B)	(\$0.02B)	(\$0.22B)	(\$2.12B)	\$9.71B
IWO	iShares Russell 2000 Growth ETF	(\$0.15B)	(\$0.16B)	\$0.15B	\$0.01B	\$10.60B
IWN	iShares Russell 2000 Value ETF	(\$0.14B)	(\$0.25B)	\$0.13B	(\$0.53B)	\$11.81B

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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
XLY	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
XSD	SPDR S&P Semiconductor ETF	2.30%
KBWR	Invesco KBW Regional Banking ETF	1.97%
FTXL	First Trust Nasdaq Semiconductor ETF	1.76%
SOXX	iShares Semiconductor ETF	1.30%
SOXQ	Invesco PHLX Semiconductor ETF	1.02%
IYK	iShares U.S. Consumer Staples ETF	0.99%
XLY	Consumer Discretionary Select Sector SPDR Fund	0.96%
KBWD	Invesco KBW High Dividend Yield Financial ETF	0.92%
FTXG	First Trust Nasdaq Food & Beverage ETF	0.90%
TDV	ProShares S&P Technology Dividend Aristocrats E..	0.89%

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

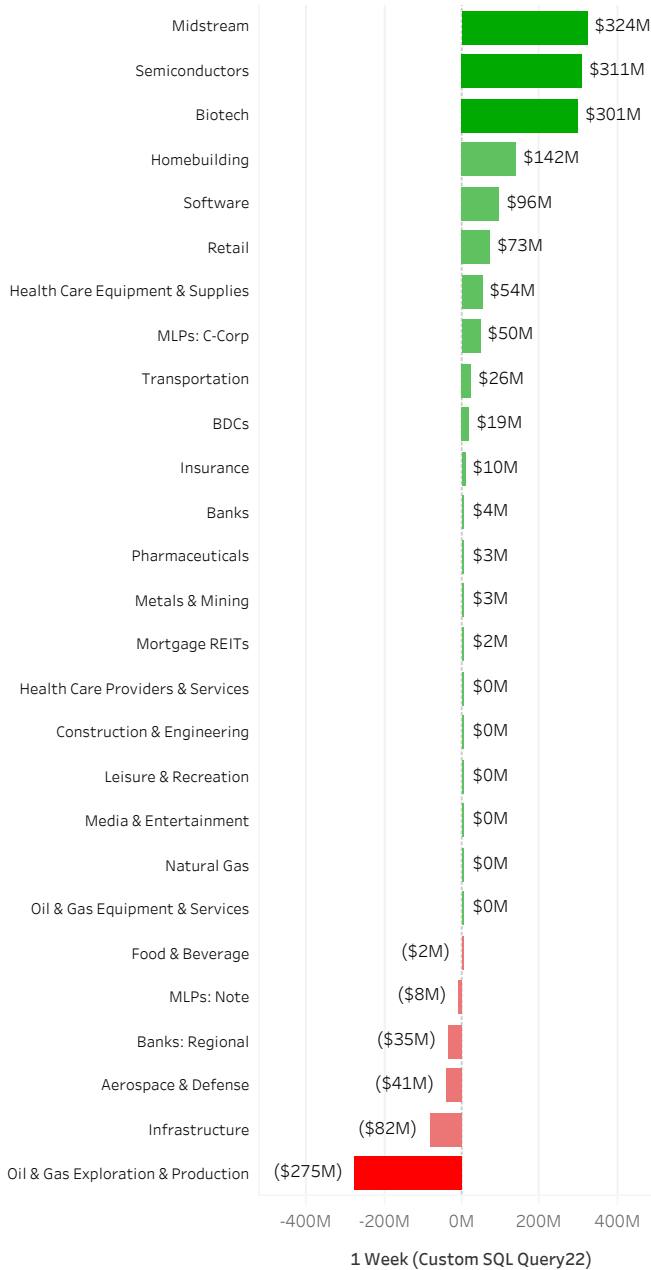
Ticker	Fund	1 Day Performance
IYT	iShares US Transportation ETF	-2.40%
XTN	SPDR S&P Transportation ETF	-1.95%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-1.42%
INDS	Pacer Industrial Real Estate ETF	-1.25%
ITB	iShares U.S. Home Construction ETF	-1.18%
XHB	SPDR S&P Homebuilders ETF	-0.96%
REM	iShares Mortgage Real Estate ETF	-0.89%
XBI	SPDR S&P BIOTECH ETF	-0.89%
PSCI	Invesco S&P SmallCap Industrials ETF	-0.83%
MORT	VanEck Mortgage REIT Income ETF	-0.82%

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	\$53M	\$44M	\$651M	\$2,463M
Consumer Discretionary	12	\$29B	\$127M	\$902M	\$1,784M	\$2,991M
Consumer Staples	10	\$24B	(\$764M)	(\$1,873M)	(\$4,632M)	(\$6,772M)
Energy	30	\$80B	(\$88M)	\$836M	(\$1,896M)	(\$2,104M)
Financials	26	\$66B	\$398M	(\$1,294M)	\$1,611M	(\$2,287M)
Health Care	23	\$87B	\$358M	(\$1,767M)	(\$3,623M)	(\$7,531M)
Industrial	13	\$42B	\$384M	\$2,517M	\$2,350M	\$3,348M
Materials	9	\$12B	\$7M	\$87M	(\$786M)	(\$3,014M)
Multi-Sector	16	\$23B	(\$29M)	\$1,211M	\$1,152M	\$3,358M
Real Estate	25	\$57B	(\$266M)	\$480M	\$2,593M	\$2,550M
Technology	23	\$187B	\$288M	\$4,733M	\$10,902M	\$12,590M
Utilities	9	\$20B	(\$137M)	(\$2,615M)	(\$3,326M)	(\$4,378M)

U.S. Sector & Industry Flow Leaders

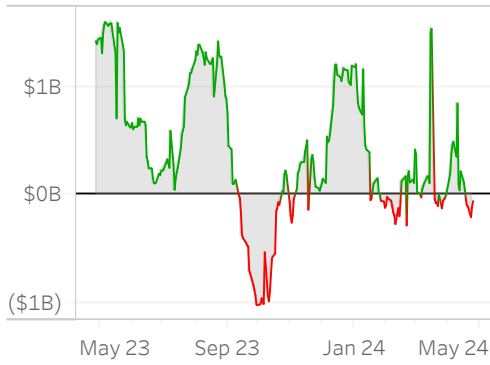
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$391M	(\$168M)	\$1,450M	(\$752M)	\$38,404M
XLI	Industrial Select Sector SPDR Fund	\$370M	\$1,623M	\$1,100M	\$1,980M	\$18,476M
SOXX	iShares Semiconductor ETF	\$312M	\$655M	\$744M	\$957M	\$11,969M
MLPX	Global X MLP & Energy Infrastructure ETF	\$274M	\$285M	\$279M	\$223M	\$1,363M
XBI	SPDR S&P BIOTECH ETF	\$254M	\$413M	\$208M	(\$152M)	\$6,611M
XHB	SPDR S&P Homebuilders ETF	\$189M	\$147M	\$239M	\$412M	\$1,912M
IGV	iShares Expanded Tech-Software Sector ETF	\$96M	(\$927M)	(\$540M)	(\$973M)	\$6,341M
XRT	SPDR S&P Retail ETF	\$73M	\$109M	\$277M	\$217M	\$613M
IHI	iShares U.S. Medical Devices ETF	\$60M	(\$132M)	(\$347M)	(\$840M)	\$5,317M
TPYP	Tortoise North American Pipeline Fund	\$58M	\$37M	\$15M	(\$45M)	\$538M

U.S. Sector & Industry Flow Laggards

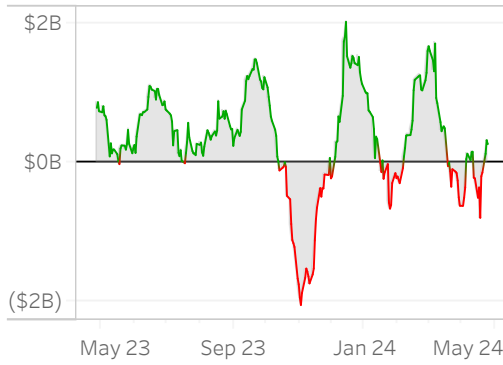
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$748M)	(\$1,524M)	(\$3,318M)	(\$3,813M)	\$14,109M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$286M)	(\$114M)	\$26M	(\$132M)	\$3,996M
XLE	Energy Select Sector SPDR Fund	(\$172M)	\$166M	(\$1,851M)	(\$1,737M)	\$41,013M
XLU	Utilities Select Sector SPDR Fund	(\$116M)	(\$2,540M)	(\$2,791M)	(\$3,301M)	\$11,956M
VNQ	Vanguard Real Estate ETF	(\$111M)	\$706M	\$346M	\$17M	\$31,428M
FDN	First Trust Dow Jones Internet Index Fund	(\$88M)	(\$480M)	(\$600M)	\$331M	\$5,890M
IYR	iShares U.S. Real Estate ETF	(\$82M)	(\$354M)	\$855M	\$874M	\$3,615M
AIRR	First Trust RBA American Industrial Renaissan..	(\$55M)	\$168M	\$250M	\$424M	\$894M
ITA	iShares U.S. Aerospace & Defense ETF	(\$51M)	(\$130M)	(\$20M)	(\$556M)	\$6,044M
ITB	iShares U.S. Home Construction ETF	(\$47M)	\$369M	\$318M	\$265M	\$2,745M

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

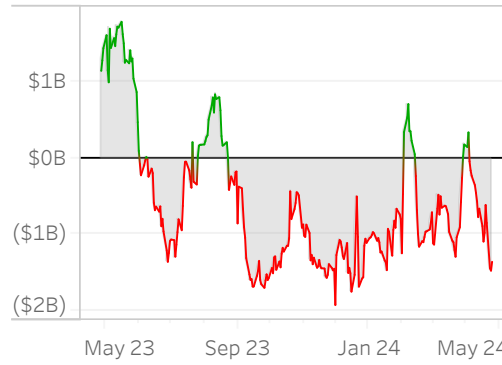
Communication Services



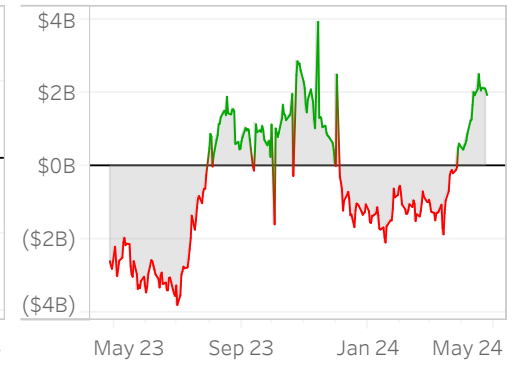
Consumer Discretionary



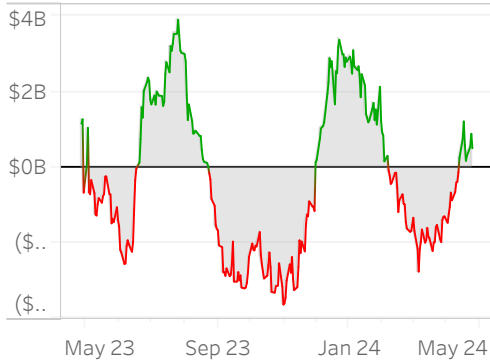
Consumer Staples



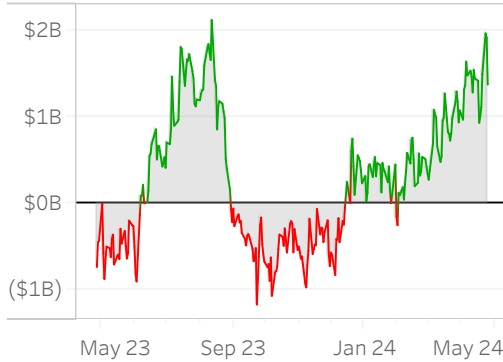
Energy



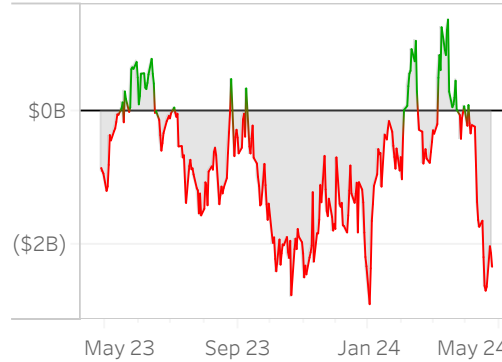
Financials



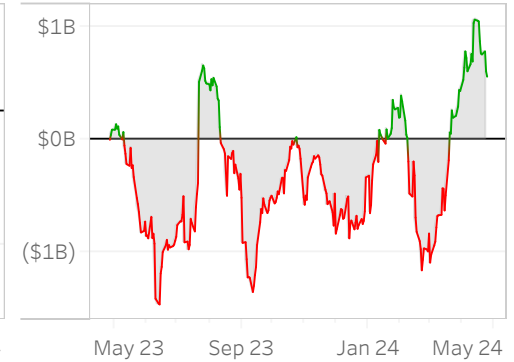
Industrial



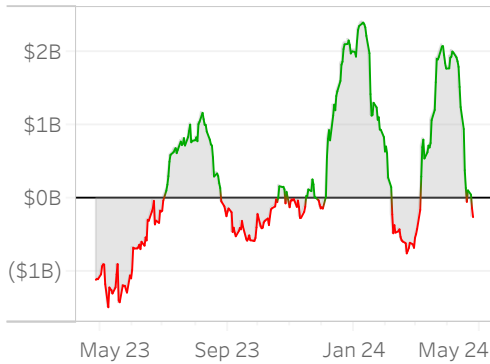
Health Care



Materials



Real Estate



Technology



Utilities

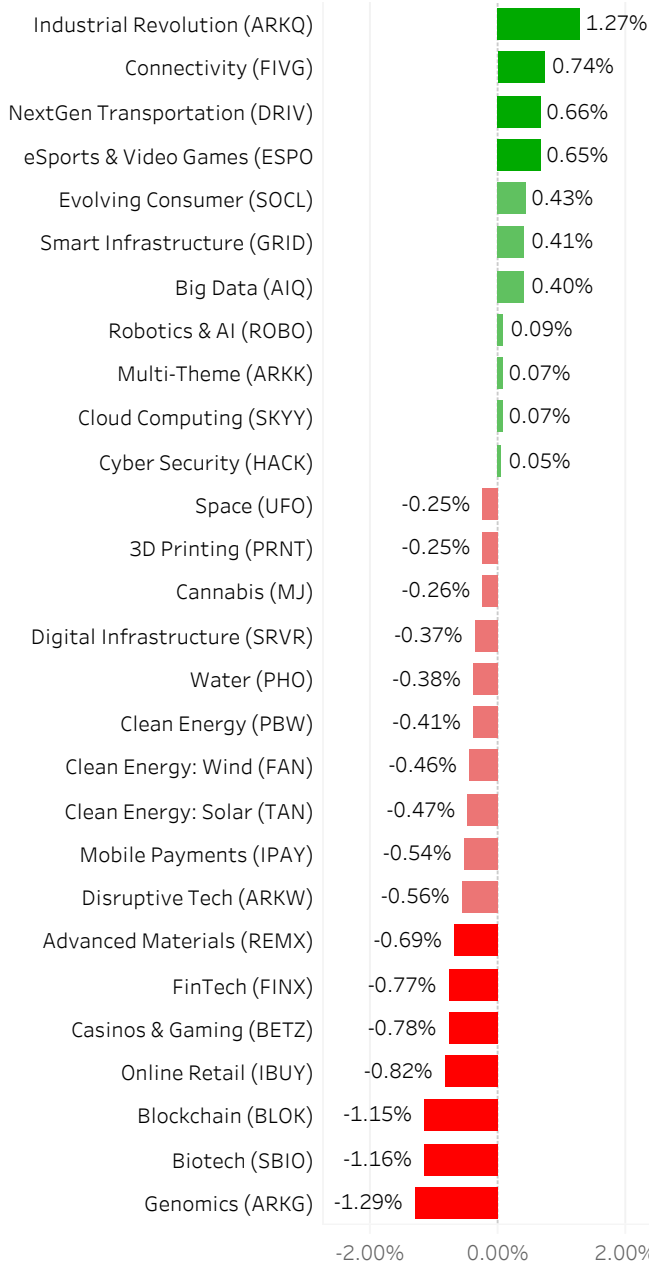


Multi-Sector

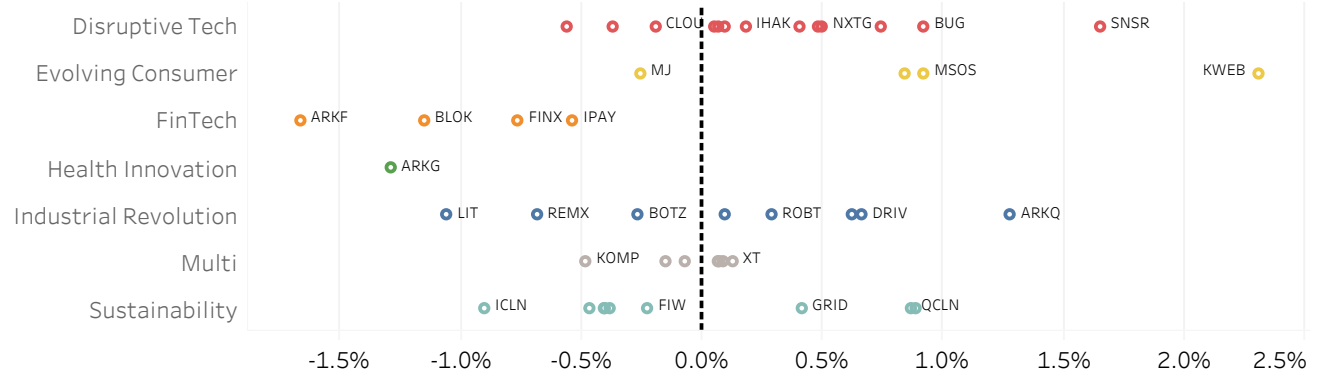


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KWEB	KraneShares CSI China Internet ETF	2.31%
SNSR	Global X Internet of Things ETF	1.65%
MJUS	Amplify U.S. Alternative Harvest ETF	1.55%
ARKQ	ARK Autonomous Technology & Robotics ETF	1.27%
LOUP	Innovator Deepwater Frontier Tech ETF	1.05%
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	0.99%
WCBR	WisdomTree Cybersecurity Fund	0.93%
MSOS	AdvisorShares Pure US Cannabis ETF	0.92%
BUG	Global X Cybersecurity ETF	0.92%
PIO	Invesco Global Water ETF	0.88%

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
CRPT	First Trust SkyBridge Crypto Industry & Digital Econo..	-4.72%
WGMI	Valkyrie Bitcoin Miners ETF	-3.19%
BKCH	Global X Blockchain ETF	-2.93%
DAPP	VanEck Digital Transformation ETF	-2.81%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-2.33%
ARKF	ARK Fintech Innovation ETF	-1.67%
BITQ	Bitwise Crypto Industry Innovators ETF	-1.62%
ARKG	ARK Genomic Revolution ETF	-1.29%
SBIO	ALPS Medical Breakthroughs ETF	-1.16%
BLOK	Amplify Transformational Data Sharing ETF	-1.15%

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	\$27M
AIQ	Global X Artificial Intelligence & Technology ETF	\$7M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$6M
TARK	AXS 2X Innovation ETF	\$5M
FIW	First Trust Water ETF	\$5M
FFLC	Fidelity Fundamental Large Cap Core ETF	\$4M
MSOS	AdvisorShares Pure US Cannabis ETF	\$4M
PHO	Invesco Water Resources ETF	\$3M
SPRX	Spear Alpha ETF	\$3M
DTCR	Global X Data Center And Digital Infrastructure ETF	\$2M

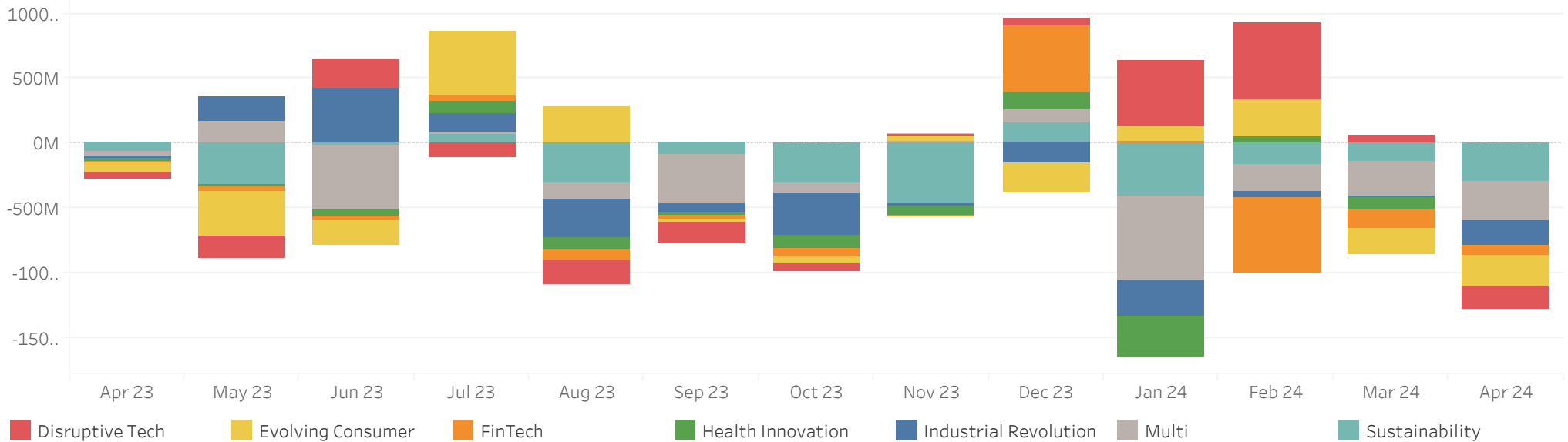
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$155M)
TAN	Invesco Solar ETF	(\$118M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$80M)
CLOU	Global X Cloud Computing ETF	(\$47M)
ICLN	iShares Global Clean Energy ETF	(\$32M)
ARKK	ARK Innovation ETF	(\$27M)
LIT	Global X Lithium & Battery Tech ETF	(\$16M)
CGW	Invesco S&P Global Water Index ETF	(\$13M)
PBW	Invesco WilderHill Clean Energy ETF	(\$13M)
WCLD	WisdomTree Cloud Computing Fund	(\$13M)

Thematic Landscape Assets & Flows

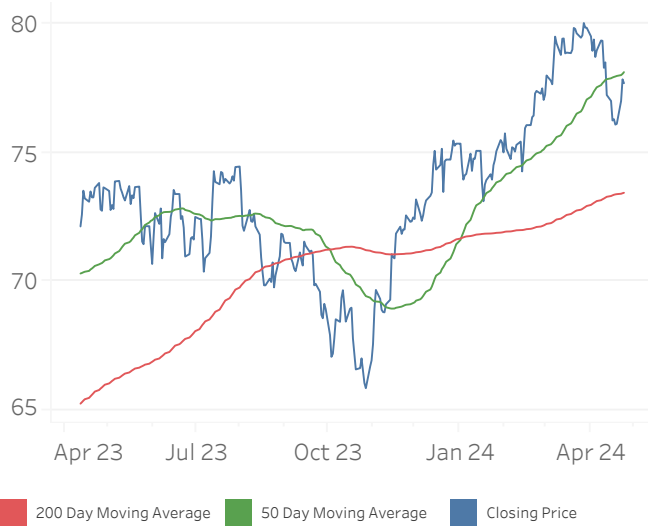
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$20B	(\$107M)	\$746M	\$1,026M	\$555M
Evolving Consumer	34	\$9B	(\$172M)	(\$139M)	(\$228M)	(\$118M)
FinTech	17	\$3B	(\$6M)	(\$919M)	(\$281M)	(\$527M)
Health Innovation	17	\$2B	\$23M	(\$138M)	(\$370M)	(\$499M)
Industrial Revolution	29	\$9B	(\$46M)	(\$299M)	(\$748M)	(\$642M)
Multi	33	\$14B	(\$43M)	(\$913M)	(\$1,291M)	(\$2,222M)
Sustainability	39	\$12B	(\$160M)	(\$625M)	(\$1,452M)	(\$2,364M)
Grand Total	202	\$68B	(\$510M)	(\$2,287M)	(\$3,344M)	(\$5,818M)

Thematic Monthly Flows

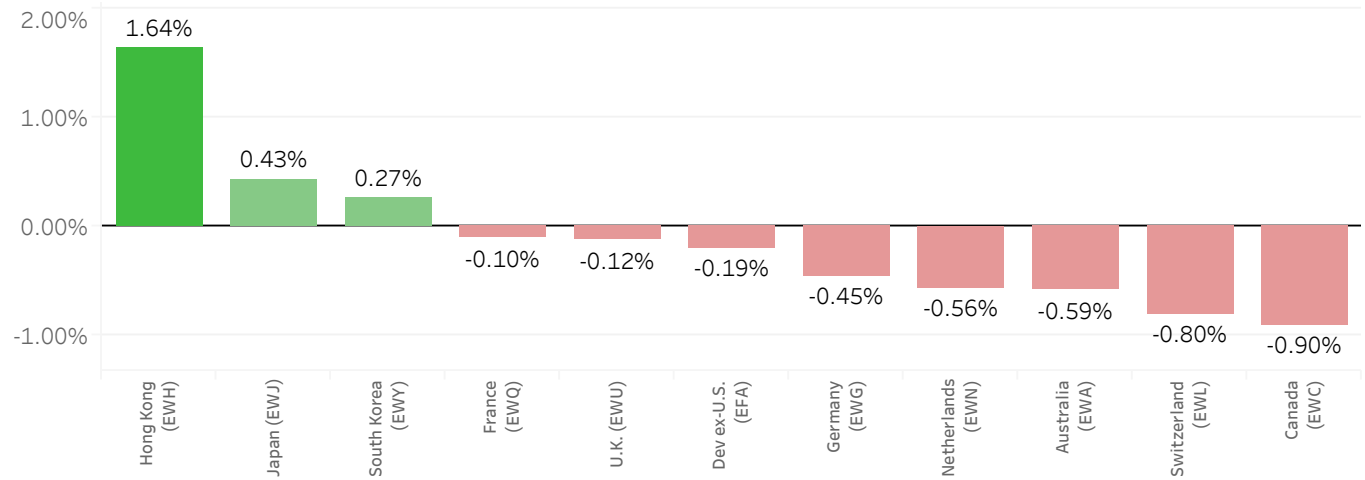


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



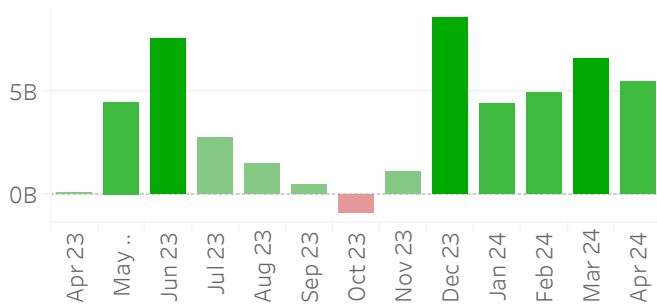
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	1.64%
ENZL	iShares MSCI New Zealand ETF	1.36%
AIA	iShares Asia 50 ETF	1.15%
FLJH	Franklin FTSE Japan Hedged ETF Franklin FTSE Japan Hedge..	0.82%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.81%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.76%
DXJ	WisdomTree Japan Hedged Equity Fund	0.75%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.66%
MINV	Matthews Asia Innovators Active ETF	0.65%
JPXN	iShares JPX-Nikkei 400 ETF	0.46%

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

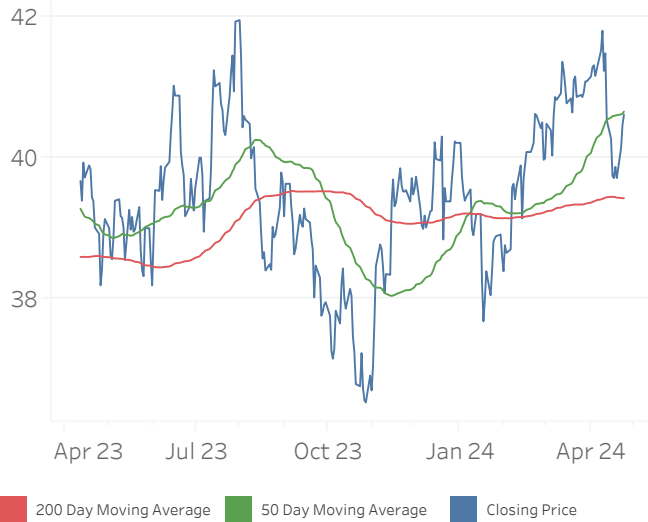
Ticker	Fund	1-Day Performance
EDEN	iShares MSCI Denmark ETF	-1.24%
FSZ	First Trust Switzerland AlphaDEX Fund	-1.07%
IEUS	iShares MSCI Europe Small-Cap ETF	-0.92%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.90%
EWC	iShares MSCI Canada ETF	-0.90%
BBCA	JPMorgan BetaBuilders Canada ETF	-0.88%
EWD	iShares MSCI Sweden ETF	-0.86%
FICS	First Trust International Developed Capital Strength ETF	-0.82%
EWL	iShares MSCI Switzerland ETF	-0.80%
FLCA	Franklin FTSE Canada ETF Franklin FTSE Canada Fund	-0.79%

Developed ex-U.S. Most Oversold

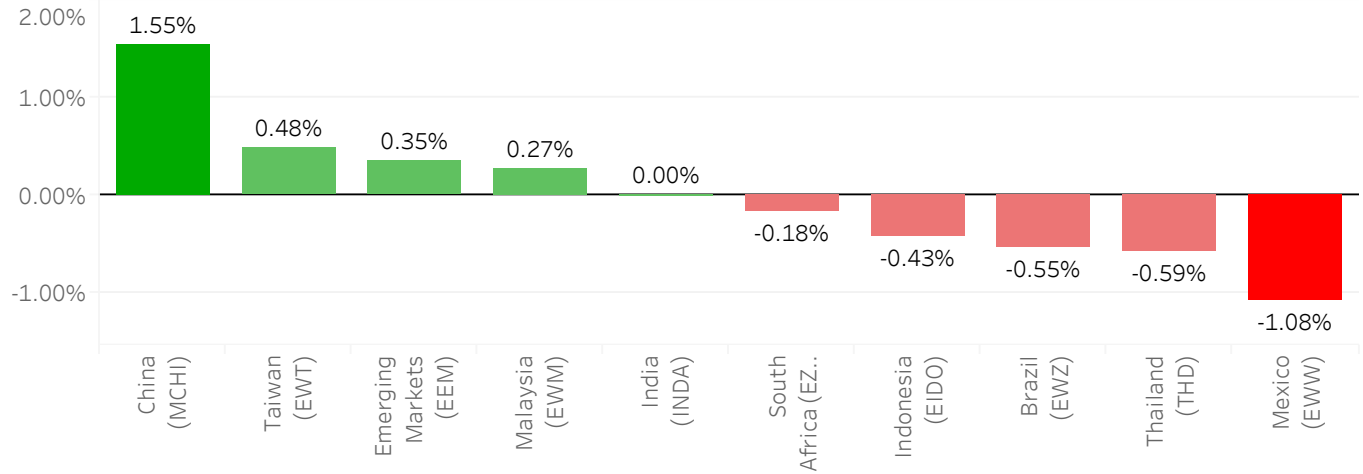
Ticker	Fund	Value
EWJ	iShares MSCI Japan ETF	37.75
BBJP	JPMorgan BetaBuilders Japan Fund BetaBuilders Ja..	38.48
FLJP	Franklin FTSE Japan ETF	38.60
JPXN	iShares JPX-Nikkei 400 ETF	38.82
IMOM	Alpha Architect International Quantitative Moment..	39.29
FJP	First Trust Japan AlphaDEX Fund	39.39
ENZL	iShares 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

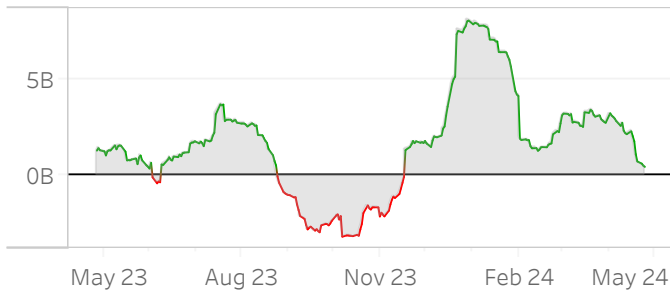
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



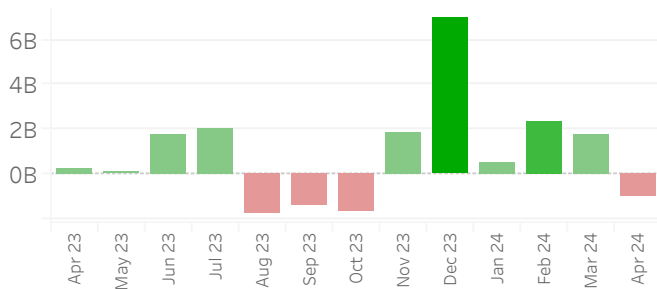
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
ECNS	iShares MSCI China Small-Cap ETF	1.95%
FXI	iShares China Large-Cap ETF	1.90%
FLCH	Franklin FTSE China ETF	1.62%
MCHI	iShares MSCI China ETF	1.55%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.28%
GXC	SPDR S&P China ETF	1.24%
PGJ	Invesco Golden Dragon China ETF	1.02%
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	0.83%
BKF	iShares MSCI BIC ETF	0.79%
EEMA	iShares MSCI Emerging Markets Asia ETF	0.79%

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
EPOL	iShares MSCI Poland ETF	-1.58%
KSA	iShares MSCI Saudi Arabia ETF	-1.50%
QAT	iShares MSCI Qatar ETF	-1.15%
EWW	iShares MSCI Mexico ETF	-1.08%
ECH	iShares MSCI Chile ETF	-0.87%
FLN	First Trust Latin America AlphaDEX Fund	-0.84%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-0.81%
FLLA	Franklin FTSE Latin America ETF	-0.75%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.67%
ILF	iShares Latin America 40 ETF	-0.65%

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	-0.26%	-2.19%	-3.03%
SHY	1-3 Year Treasury Bonds	-0.04%	-0.29%	-0.05%
IEF	7-10 Year Treasury Bonds	-0.30%	-2.79%	-4.22%
TLT	20+ Year Treasury Bonds	-0.71%	-5.62%	-9.73%
TIP	TIPS Bonds	-0.21%	-1.51%	-1.63%
FLOT	Floating Rate Bonds	-0.07%	0.47%	2.27%
LQD	Investment Grade Corporate	-0.39%	-2.97%	-4.03%
HYG	High Yield Corporate	-0.22%	-0.99%	0.47%
BKLN	Senior Loan	0.05%	0.80%	2.20%
PFF	Preferred & Income Securities	-0.03%	-2.86%	2.07%
MUB	Municipal Bonds	-0.08%	-1.15%	-1.10%
MBB	MBS	-0.32%	-2.50%	-3.63%
EMB	Dollar Denominated EM Bonds	-0.72%	-2.17%	-0.53%
LEMB	Local Currency EM Bond	-0.37%	-1.64%	-3.43%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.22%	5.06%	6.65%
DBE	Energy	-0.14%	2.32%	9.33%
USO	WTI Crude Oil	-0.43%	3.86%	19.49%
BNO	Brent Crude Oil	-0.22%	3.75%	18.49%
UNG	Natural Gas	-6.99%	-4.96%	-29.19%
UGA	Gasoline	0.38%	1.16%	18.15%
DBP	Precious Metals	0.02%	8.05%	13.11%
GLD	Gold	-0.19%	7.13%	12.28%
SLV	Silver	-0.36%	10.37%	14.33%
PPLT	abrdrn Physical Platin..	-0.50%	1.10%	-8.66%
PALL	abrdrn Physical Palla..	-1.65%	1.39%	-8.86%
DBB	Base Metals	0.50%	11.73%	9.29%
CPER	Copper	0.94%	11.81%	15.70%
DBA	Agriculture	2.27%	10.22%	27.97%
CORN	Corn	-0.74%	-0.45%	-7.23%
SOYB	Soybeans	-0.10%	-1.01%	-7.76%
WEAT	Wheat	1.59%	7.88%	-3.69%
CANE	Sugar	0.17%	-8.99%	-2.78%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.10%	1.77%	6.39%
UDN	Short Dollar	0.00%	-0.99%	-3.36%
FXE	Euro	-0.01%	-0.78%	-2.34%
FXB	British Pound Sterling	0.15%	-0.75%	-1.20%
FXF	Swiss Franc	-0.38%	-1.87%	-8.04%
FXJ	Japanese Yen	-0.30%	-2.53%	-9.36%
FXC	Canadian Dollar	-0.23%	-0.43%	-2.48%
FXA	Australian Dollar	0.27%	0.00%	-4.08%

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Contact us at:

team@etfaction.com

www.etfaction.com