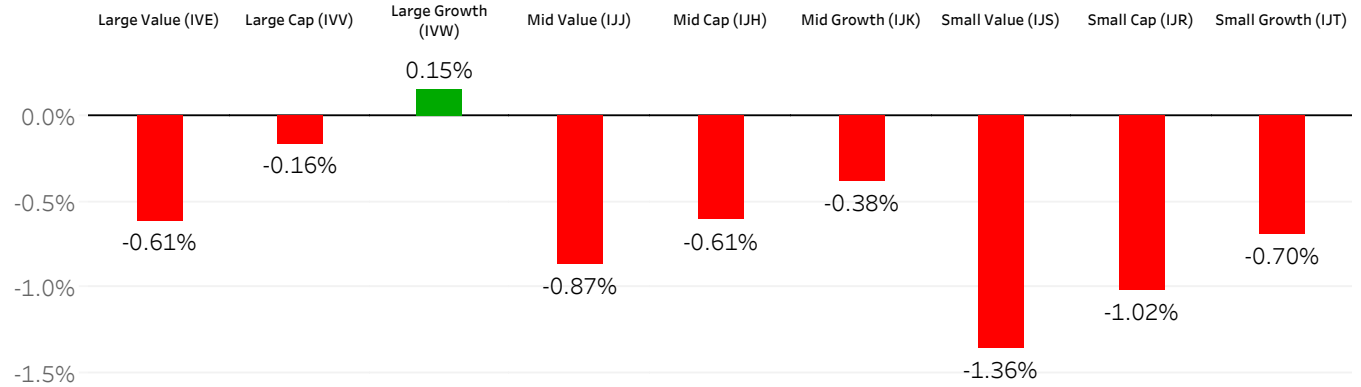


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
QQH	HCM Defender 100 Index ETF	0.27%
QQQM	Invesco NASDAQ 100 ETF	0.23%
DUSA	Davis Select U.S. Equity ETF	0.22%
JEPQ	JPMorgan NASDAQ Equity Premium Income ETF	0.22%
SPGP	Invesco S&P 500 GARP ETF	0.22%
QQQ	Invesco QQQ Trust Series I	0.21%
PTNQ	Pacer Trendpilot 100 ETF	0.20%
ONEQ	Fidelity Nasdaq Composite Index ETF	0.17%
HLAL	Wahed FTSE USA Shariah ETF	0.17%
SPYG	SPDR Portfolio S&P 500 Growth ETF	0.16%

Size & Style Most Overbought

Ticker	Fund	Price
PWV	Invesco Large Cap Value ETF	79.54
COWZ	Pacer US Cash Cows 100 ETF	78.96
SPVU	Invesco S&P 500 Enhanced Value ETF	78.10
ABEQ	Absolute Select Value ETF	77.76
SEIV	SEI Enhanced U.S. Large Cap Value Factor ETF	76.76
DIVZ	Opal Dividend Income ETF	75.18
GRPM	Invesco S&P MidCap 400 GARP ETF	74.60
DFUV	Dimensional US Marketwide Value ETF	74.56
IUS	Invesco RAFI Strategic US ETF	74.05
LSAT	Leadershares Alphafactor Tactical Focused ETF	73.92

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
SMDV	ProShares Russell 2000 Dividend Growers ETF	-1.68%
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	-1.65%
VIOV	Vanguard S&P Small-Cap 600 Value ETF	-1.46%
XSLV	Invesco S&P SmallCap Low Volatility ETF	-1.43%
IPO	Renaissance IPO ETF	-1.40%
SLYV	SPDR S&P 600 Small Cap Value ETF	-1.39%
IJS	iShares S&P Small-Cap 600 Value ETF	-1.36%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-1.36%
ISMD	Inspire Small/Mid Cap ETF	-1.33%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	-1.30%

Size & Style Most Oversold

Ticker	Fund	Price
XSLV	Invesco S&P SmallCap Low Volatility ETF	51.28
FFTY	Innovator IBD 50 ETF	52.61
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	52.97
AIEQ	Amplify AI Powered Equity ETF	53.38
SMDV	ProShares Russell 2000 Dividend Growers ETF	53.53
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	53.53
SPC	CrossingBridge Pre-Merger SPAC ETF	53.58
USMC	Principal U.S. Mega-Cap ETF	54.18
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index ..	54.72
WINN	Harbor Long-Term Growers ETF	54.93

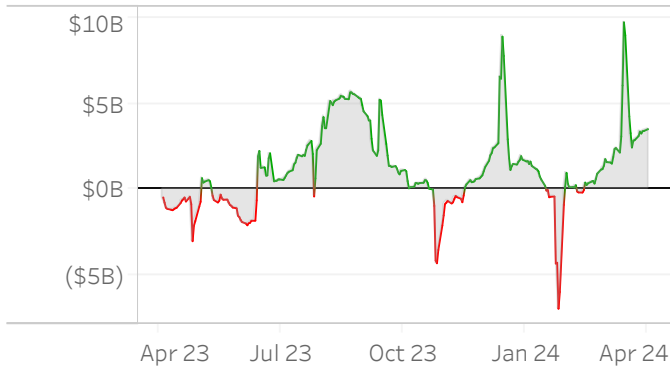
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

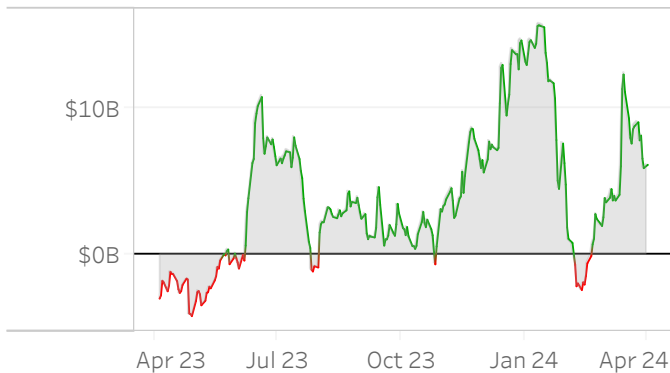
Large-Cap 30-Day Rolling Flows



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	\$1,894B	\$11.63B	\$47.15B	\$139.05B	\$211.48B
Large Cap, Beta, Beta: Growth	10	\$365B	\$0.59B	\$8.48B	\$19.01B	\$24.72B
Large Cap, Beta, Beta: Value	11	\$265B	\$0.03B	\$2.07B	\$8.35B	\$4.86B
Mid Cap, Beta, Beta	10	\$232B	\$0.22B	\$2.91B	\$2.57B	\$9.23B
Mid Cap, Beta, Beta: Growth	6	\$44B	\$0.12B	\$0.56B	\$1.62B	\$2.45B
Mid Cap, Beta, Beta: Value	6	\$42B	(\$0.02B)	(\$1.29B)	(\$1.46B)	(\$2.87B)
Small Cap, Beta, Beta	11	\$244B	\$0.82B	\$0.86B	\$14.01B	\$21.18B
Small Cap, Beta, Beta: Growth	7	\$41B	\$0.00B	\$1.06B	\$2.21B	\$2.83B
Small Cap, Beta, Beta: Value	7	\$55B	(\$0.06B)	(\$0.83B)	\$0.26B	(\$1.25B)

U.S. Size & Style Flow Leaders

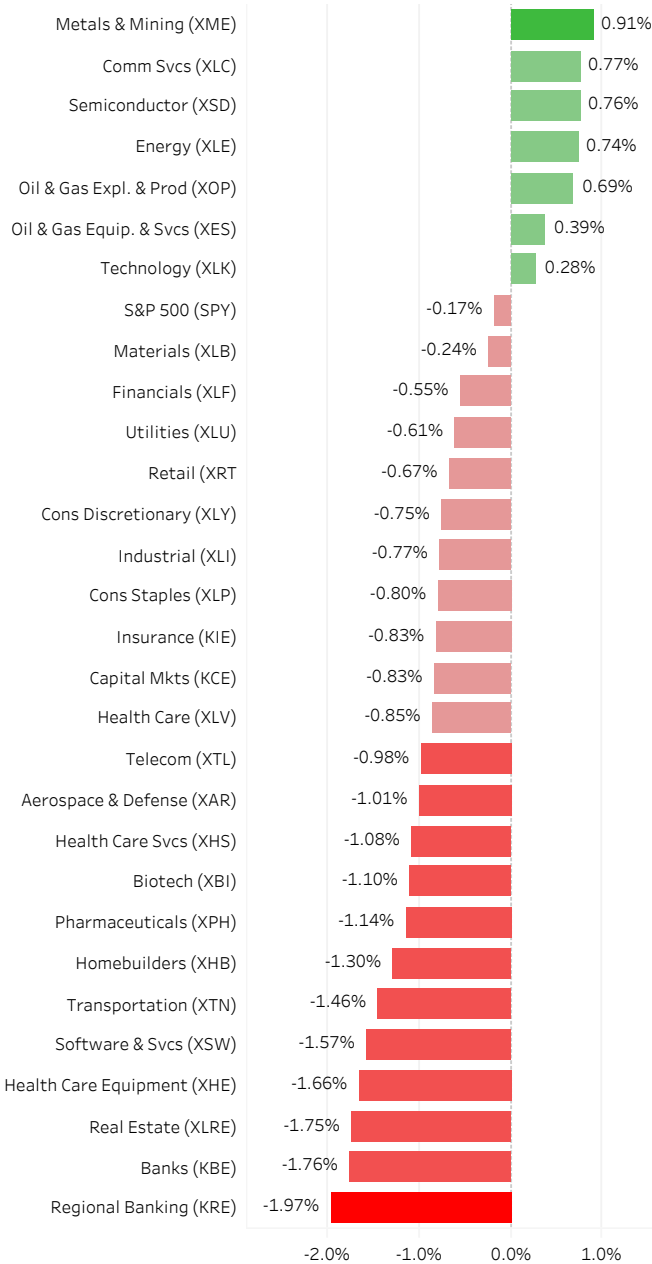
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$5.12B	\$16.17B	\$35.68B	\$58.48B	\$458.01B
QQQ	Invesco QQQ Trust Series I	\$2.31B	\$9.62B	\$14.74B	\$18.97B	\$259.87B
SPY	SPDR S&P 500 ETF Trust	\$1.90B	(\$9.87B)	\$33.88B	\$45.68B	\$532.01B
VOO	Vanguard S&P 500 ETF	\$1.81B	\$24.46B	\$36.54B	\$61.94B	\$435.88B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.35B	\$1.21B	\$5.65B	\$13.12B	\$54.66B
IWM	iShares Russell 2000 ETF	\$0.29B	(\$5.03B)	\$4.21B	\$5.63B	\$65.50B
JEPQ	JPMorgan NASDAQ Equity Premium Income E..	\$0.28B	\$2.71B	\$5.13B	\$8.62B	\$12.02B
QQQM	Invesco NASDAQ 100 ETF	\$0.20B	\$2.78B	\$5.01B	\$9.24B	\$23.05B
DGRO	iShares Core Dividend Growth ETF	\$0.18B	\$0.05B	\$0.40B	\$0.27B	\$27.25B
VB	Vanguard Small-Cap ETF	\$0.17B	\$2.37B	\$3.60B	\$4.48B	\$56.62B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FVD	First Trust Value Line Dividend Index Fund	(\$0.73B)	(\$0.98B)	(\$1.79B)	(\$2.51B)	\$10.22B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.44B)	(\$3.82B)	(\$7.29B)	(\$7.78B)	\$24.61B
DSTL	Distillate US Fundamental Stability & Value E..	(\$0.36B)	\$0.14B	\$0.26B	\$0.50B	\$1.83B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.21B)	\$0.15B	\$1.39B	\$0.50B	\$34.42B
IWD	iShares Russell 1000 Value ETF	(\$0.21B)	(\$3.27B)	(\$0.65B)	(\$3.04B)	\$56.18B
SMMV	iShares MSCI USA Small-Cap Min Vol Factor E..	(\$0.12B)	(\$0.11B)	(\$0.11B)	(\$0.07B)	\$0.79B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.08B)	\$0.23B	(\$0.52B)	(\$2.29B)	\$10.28B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.08B)	\$1.06B	(\$0.99B)	\$3.98B	\$85.06B
QVAL	Alpha Architect US Quantitative Value ETF	(\$0.06B)	\$0.02B	\$0.01B	\$0.02B	\$0.34B
AVUV	Avantis U.S. Small Cap Value ETF	(\$0.05B)	\$1.36B	\$2.49B	\$3.52B	\$10.87B

* 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)
XLC	Communication Services Select Sector SPDR Fund	0.00%	46.61%	3.67%	15.80%	66.12
XLE	Energy Select Sector SPDR Fund	0.00%	24.18%	9.03%	10.31%	78.41
SPY	SPDR S&P 500 ETF Trust	-0.19%	29.13%	3.32%	12.87%	64.07
XLB	Materials Select Sector SPDR Fund	-0.24%	24.46%	6.55%	11.93%	72.79
XLF	Financial Select Sector SPDR Fund	-0.55%	33.20%	4.50%	15.83%	66.61
XLI	Industrial Select Sector SPDR Fund	-0.77%	29.60%	4.48%	13.68%	63.41
XLV	Health Care Select Sector SPDR Fund	-0.94%	18.95%	1.24%	8.16%	54.06
XLK	Technology Select Sector SPDR Fund	-1.03%	45.06%	1.56%	13.58%	54.56
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.35%	27.02%	1.76%	6.71%	53.39
XLP	Consumer Staples Select Sector SPDR Fund	-2.26%	14.39%	1.73%	4.92%	55.49
XLRE	Real Estate Select Sector SPDR Fund	-4.10%	20.66%	0.15%	4.09%	47.57
XLU	Utilities Select Sector SPDR Fund	-6.75%	16.12%	4.73%	3.95%	63.68

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
SOXQ	Invesco PHLX Semiconductor ETF	1.19%
SOXX	iShares Semiconductor ETF	1.05%
IGPT	Invesco AI and Next Gen Software ETF	1.04%
PSI	Invesco Semiconductors ETF	1.03%
PXJ	Invesco Oil & Gas Services ETF	0.94%
XME	SPDR S&P Metals & Mining ETF	0.91%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	0.85%
RSPG	Invesco S&P 500 Equal Weight Energy ETF	0.82%
FTXN	First Trust Nasdaq Oil & Gas ETF	0.82%
XLC	Communication Services Select Sector SPDR Fund	0.77%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	81.45
FXN	First Trust Energy AlphaDEX Fund	81.06
FTXN	First Trust Nasdaq Oil & Gas ETF	81.04
RSPG	Invesco S&P 500 Equal Weight Energy ETF	80.69
IYE	iShares U.S. Energy ETF	79.49
FCG	First Trust Natural Gas ETF	79.33
FENY	Fidelity MSCI Energy Index ETF	78.81
XLE	Energy Select Sector SPDR Fund	78.41
PXE	Invesco Energy Exploration & Production ETF	77.84
MLPX	Global X MLP & Energy Infrastructure ETF	77.14

Sector & Industry 1 Day Performance Laggards

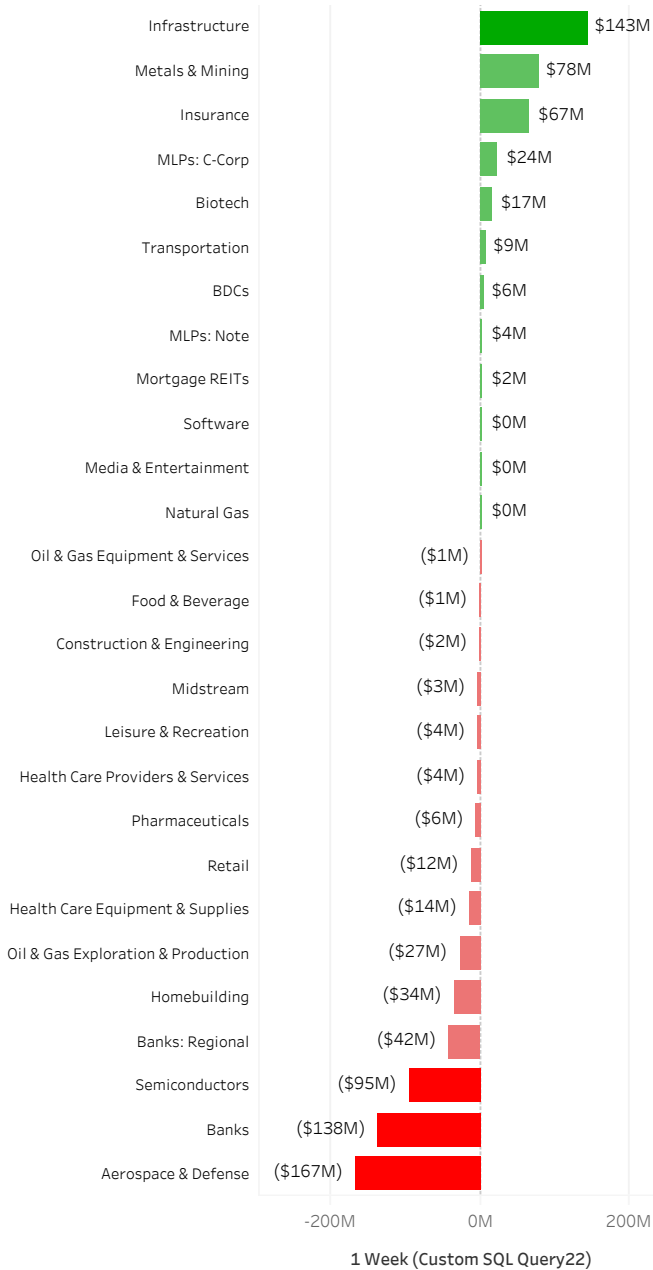
Ticker	Fund	1 Day Performance
KBWR	Invesco KBW Regional Banking ETF	-1.98%
KRE	SPDR S&P Regional Banking ETF	-1.97%
PPTY	US Diversified Real Estate ETF	-1.81%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.80%
DFAR	Dimensional US Real Estate ETF	-1.79%
ICF	iShares Cohen & Steers REIT ETF	-1.79%
KBE	SPDR S&P Bank ETF	-1.76%
XLRE	Real Estate Select Sector SPDR Fund	-1.75%
RWR	SPDR Dow Jones REIT ETF	-1.74%
PSR	Invesco Active U.S. Real Estate Fund	-1.73%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
BIZD	VanEck BDC Income ETF	43.17
XTL	SPDR S&P Telecom ETF	44.07
PBE	Invesco Biotechnology & Genome ETF	45.11
XPH	SPDR S&P Pharmaceuticals ETF	45.19
JPRE	JPMorgan Realty Income ETF JPMorgan Realty Income E..	46.03
IYZ	iShares U.S. Telecommunications ETF	46.39
ICF	iShares Cohen & Steers REIT ETF	46.53
XBI	SPDR S&P BIOTECH ETF	46.83
PSR	Invesco Active U.S. Real Estate Fund	47.04
MORT	VanEck Mortgage REIT Income ETF	47.10

* 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	\$24B	\$161M	(\$89M)	\$1,643M	\$3,872M
Consumer Discretionary	12	\$31B	(\$97M)	\$306M	\$167M	\$2,870M
Consumer Staples	10	\$26B	(\$107M)	(\$909M)	(\$3,600M)	(\$4,146M)
Energy	30	\$78B	(\$23M)	(\$855M)	\$1,592M	(\$4,002M)
Financials	26	\$66B	(\$61M)	(\$1,860M)	(\$1,298M)	(\$1,977M)
Health Care	23	\$94B	(\$299M)	\$439M	(\$3,063M)	(\$6,357M)
Industrial	13	\$42B	(\$277M)	\$1,783M	\$1,391M	\$2,095M
Materials	9	\$13B	\$79M	\$130M	(\$734M)	(\$2,826M)
Multi-Sector	16	\$24B	\$104M	\$1,399M	\$1,055M	\$3,551M
Real Estate	25	\$62B	(\$51M)	\$1,610M	\$3,595M	\$2,477M
Technology	23	\$198B	\$366M	\$6,202M	\$11,268M	\$12,061M
Utilities	9	\$20B	(\$108M)	(\$2,336M)	(\$3,007M)	(\$3,713M)

U.S. Sector & Industry Flow Leaders

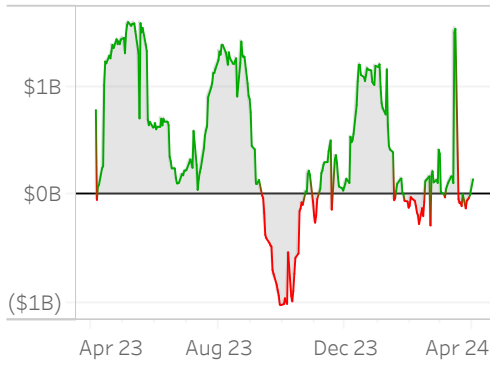
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	\$184M	\$1,747M	\$2,799M	\$2,032M	\$66,030M
FTEC	Fidelity MSCI Information Technology Index ETF	\$179M	\$661M	\$870M	\$1,260M	\$9,665M
XLK	Technology Select Sector SPDR Fund	\$135M	\$2,030M	\$4,476M	\$4,785M	\$65,350M
PAVE	Global X U.S. Infrastructure Development ETF	\$127M	\$790M	\$733M	\$1,487M	\$7,399M
XBI	SPDR S&P BIOTECH ETF	\$126M	\$225M	\$394M	(\$397M)	\$7,592M
XLC	Communication Services Select Sector SPDR Fu..	\$115M	(\$202M)	\$1,636M	\$3,454M	\$18,191M
XME	SPDR S&P Metals & Mining ETF	\$78M	(\$141M)	(\$93M)	(\$541M)	\$1,862M
KBWP	Invesco KBW Property & Casualty Insurance ETF	\$69M	\$90M	\$125M	(\$97M)	\$324M
FENY	Fidelity MSCI Energy Index ETF	\$63M	\$215M	\$124M	\$122M	\$1,882M
VIS	Vanguard Industrials ETF	\$54M	\$369M	\$134M	\$407M	\$5,321M

U.S. Sector & Industry Flow Laggards

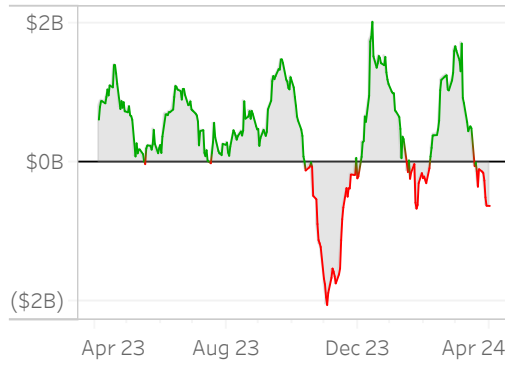
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$195M)	\$1,105M	\$321M	\$957M	\$18,135M
XLV	Health Care Select Sector SPDR Fund	(\$171M)	\$281M	(\$1,906M)	(\$2,545M)	\$41,112M
PPA	Invesco Aerospace & Defense ETF	(\$141M)	\$127M	\$496M	\$583M	\$3,029M
IYR	iShares U.S. Real Estate ETF	(\$128M)	(\$166M)	\$1,242M	\$665M	\$4,230M
FHLC	Fidelity MSCI Health Care Index ETF	(\$112M)	(\$126M)	(\$213M)	(\$251M)	\$3,148M
XLU	Utilities Select Sector SPDR Fund	(\$106M)	(\$2,213M)	(\$2,228M)	(\$2,503M)	\$12,321M
IBB	iShares Biotechnology ETF	(\$102M)	\$109M	(\$129M)	(\$788M)	\$7,632M
KBE	SPDR S&P Bank ETF	(\$100M)	(\$544M)	\$82M	(\$209M)	\$1,491M
SOXX	iShares Semiconductor ETF	(\$99M)	\$606M	\$552M	\$682M	\$12,706M
XLP	Consumer Staples Select Sector SPDR Fund	(\$98M)	(\$449M)	(\$2,144M)	(\$1,454M)	\$15,614M

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

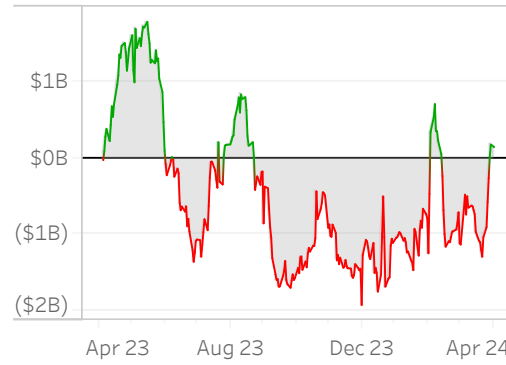
Communication Services



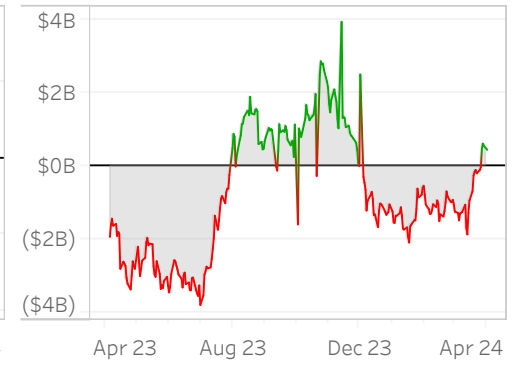
Consumer Discretionary



Consumer Staples



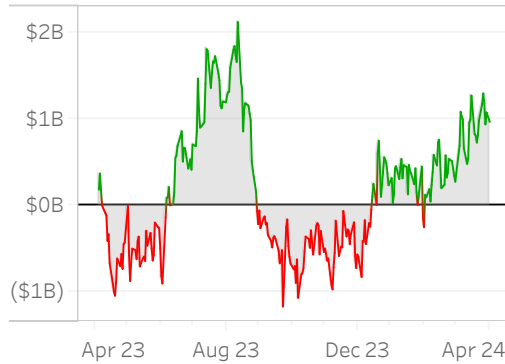
Energy



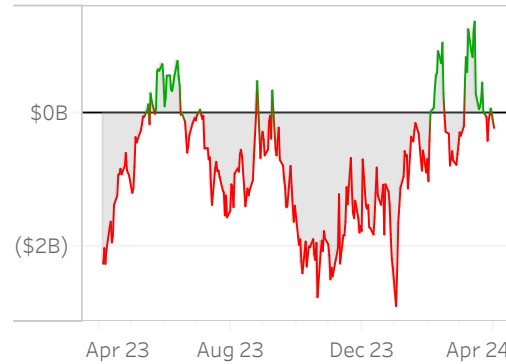
Financials



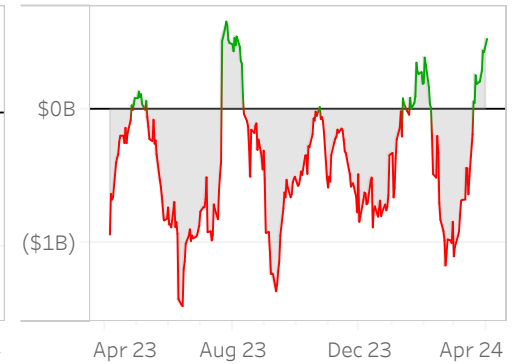
Industrial



Health Care



Materials



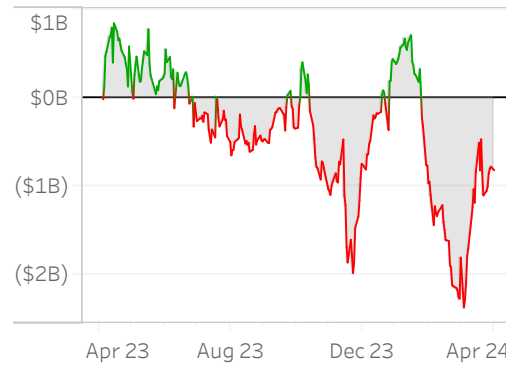
Real Estate



Technology



Utilities

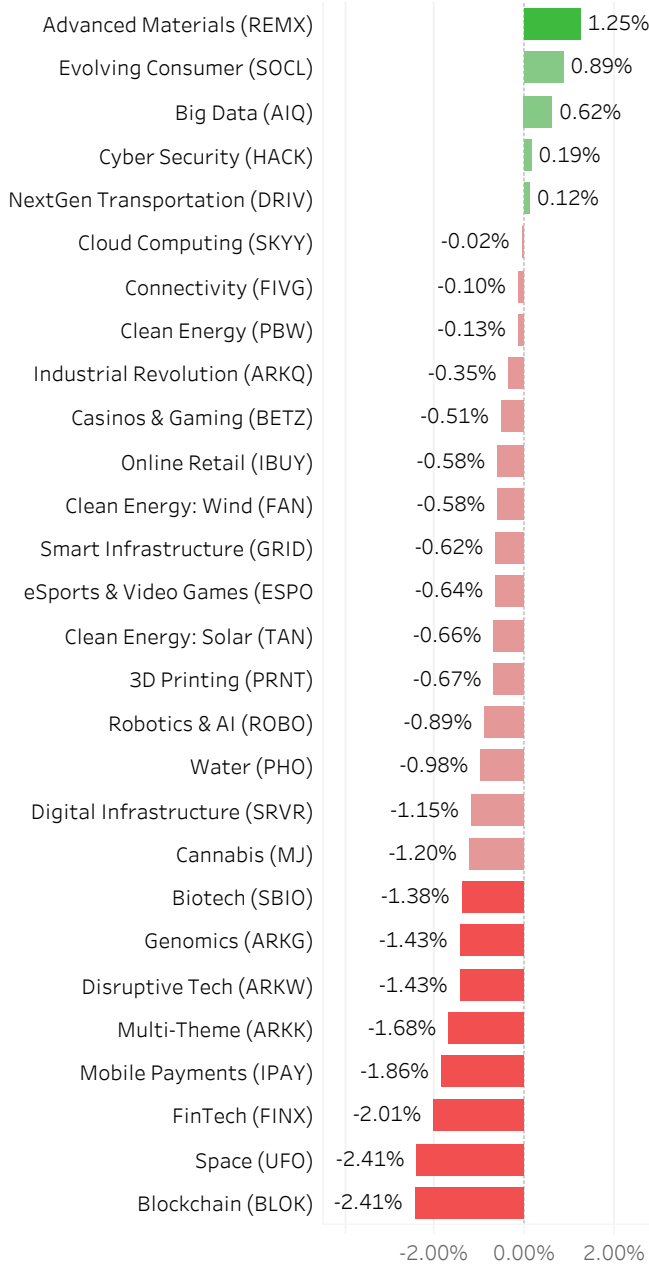


Multi-Sector

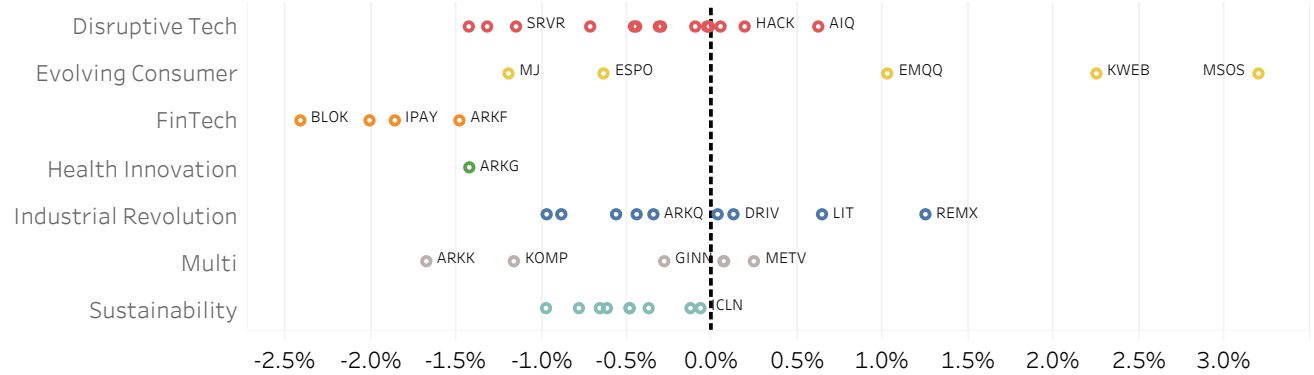


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	3.20%
MJUS	Amplify U.S. Alternative Harvest ETF	2.28%
KWEB	KraneShares CSI China Internet ETF	2.25%
KGRN	KraneShares MSCI China Clean Technology Index ETF	1.40%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.25%
YOLO	AdvisorShares Pure Cannabis ETF	1.23%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	1.02%
SOCL	Global X Social Media ETF	0.89%
LIT	Global X Lithium & Battery Tech ETF	0.64%
AIQ	Global X Artificial Intelligence & Technology ETF	0.62%

Thematic Most Overbought

Ticker	Fund	Value
YOLO	AdvisorShares Pure Cannabis ETF	69.41
EVX	VanEck Environmental Services ETF	66.74
AWAY	Amplify Travel Tech ETF	66.51
PIO	Invesco Global Water ETF	66.23
EBIZ	Global X E-Commerce ETF	65.10
GBUY	Goldman Sachs Future Consumer Equity ETF	64.28
MJ	Amplify Alternative Harvest ETF	64.25
SAMT	Strategas Macro Thematic Opportunities ETF	63.64
MSOS	AdvisorShares Pure US Cannabis ETF	63.41
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	63.41

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
CRPT	First Trust SkyBridge Crypto Industry & Digital Econo..	-6.37%
BKCH	Global X Blockchain ETF	-5.06%
DAPP	VanEck Digital Transformation ETF	-3.35%
BITQ	Bitwise Crypto Industry Innovators ETF	-3.27%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-2.85%
WGMI	Valkyrie Bitcoin Miners ETF	-2.73%
BLOK	Amplify Transformational Data Sharing ETF	-2.41%
FINX	Global X FinTech ETF	-2.01%
IPAY	Amplify Mobile Payments ETF	-1.86%
ARKK	ARK Innovation ETF	-1.68%

Thematic Most Oversold

Ticker	Fund	Value
SRVR	Pacer Data & Infrastructure Real Estate ETF	41.35
ARKG	ARK Genomic Revolution ETF	41.86
WCBR	WisdomTree Cybersecurity Fund	42.42
IHAK	iShares Cybersecurity & Tech ETF	43.35
WCLD	WisdomTree Cloud Computing Fund	44.02
BUG	Global X Cybersecurity ETF	45.20
PAWZ	ProShares Pet Care ETF	45.25
CIBR	First Trust NASDAQ Cybersecurity ETF	45.68
SPRX	Spear Alpha ETF	45.80
GNOM	Global X Genomics & Biotechnology ETF	46.05

* 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
AIQ	Global X Artificial Intelligence & Technology ETF	\$35M
ARKW	ARK Next Generation Internet ETF	\$21M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$21M
IHAK	iShares Cybersecurity & Tech ETF	\$7M
WGMI	Valkyrie Bitcoin Miners ETF	\$6M
FIW	First Trust Water ETF	\$5M
TECB	iShares U.S. Tech Breakthrough Multisector ETF	\$5M
PBW	Invesco WilderHill Clean Energy ETF	\$4M
MSOS	AdvisorShares Pure US Cannabis ETF	\$4M
FCLD	Fidelity Cloud Computing ETF	\$3M

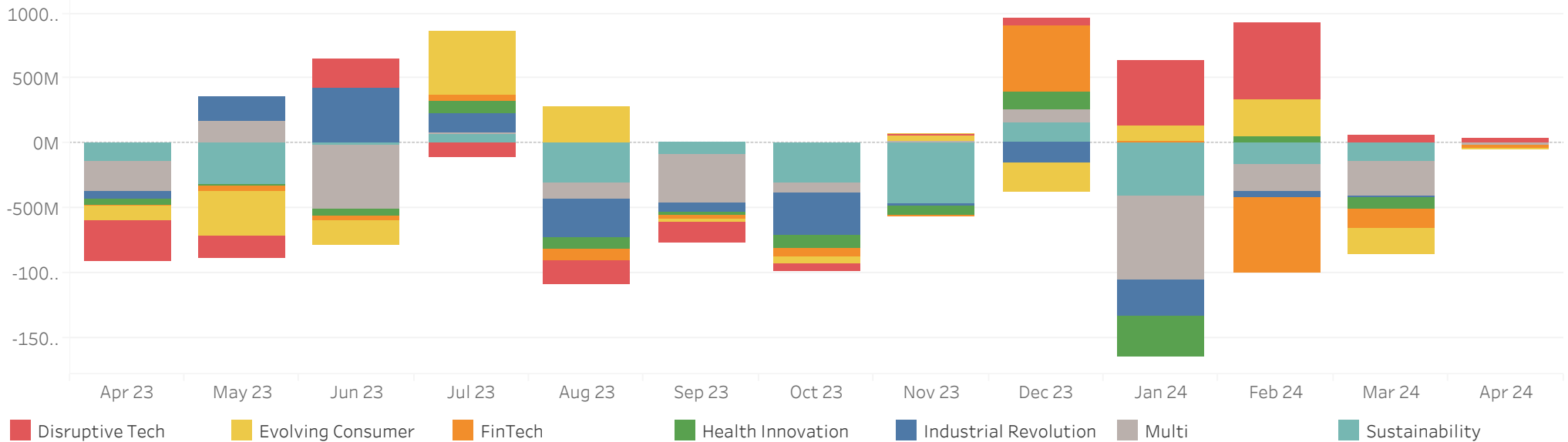
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$95M)
ICLN	iShares Global Clean Energy ETF	(\$32M)
KWEB	KraneShares CSI China Internet ETF	(\$24M)
ARKG	ARK Genomic Revolution ETF	(\$21M)
HACK	Amplify Cybersecurity ETF	(\$16M)
XITK	SPDR FactSet Innovative Technology ETF	(\$13M)
IDRV	iShares Self-driving EV & Tech ETF	(\$9M)
IPAY	Amplify Mobile Payments ETF	(\$8M)
TAN	Invesco Solar ETF	(\$7M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$7M)

Thematic Landscape Assets & Flows

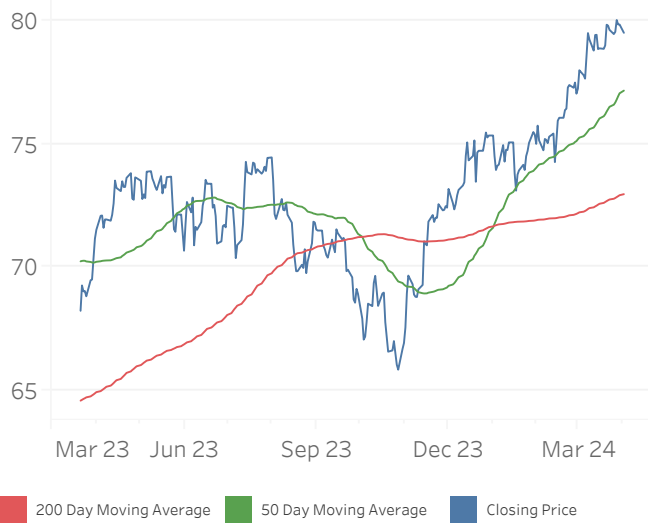
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$37M	\$1,188M	\$1,197M	\$478M
Evolving Consumer	34	\$9B	(\$17M)	\$204M	(\$25M)	\$99M
FinTech	17	\$4B	(\$7M)	(\$730M)	(\$285M)	(\$473M)
Health Innovation	17	\$2B	(\$5M)	(\$372M)	(\$401M)	(\$518M)
Industrial Revolution	29	\$10B	(\$12M)	(\$311M)	(\$828M)	(\$503M)
Multi	33	\$15B	(\$63M)	(\$1,078M)	(\$1,041M)	(\$2,135M)
Sustainability	39	\$13B	(\$51M)	(\$720M)	(\$1,314M)	(\$2,138M)
Grand Total	202	\$74B	(\$119M)	(\$1,818M)	(\$2,698M)	(\$5,190M)

Thematic Monthly Flows

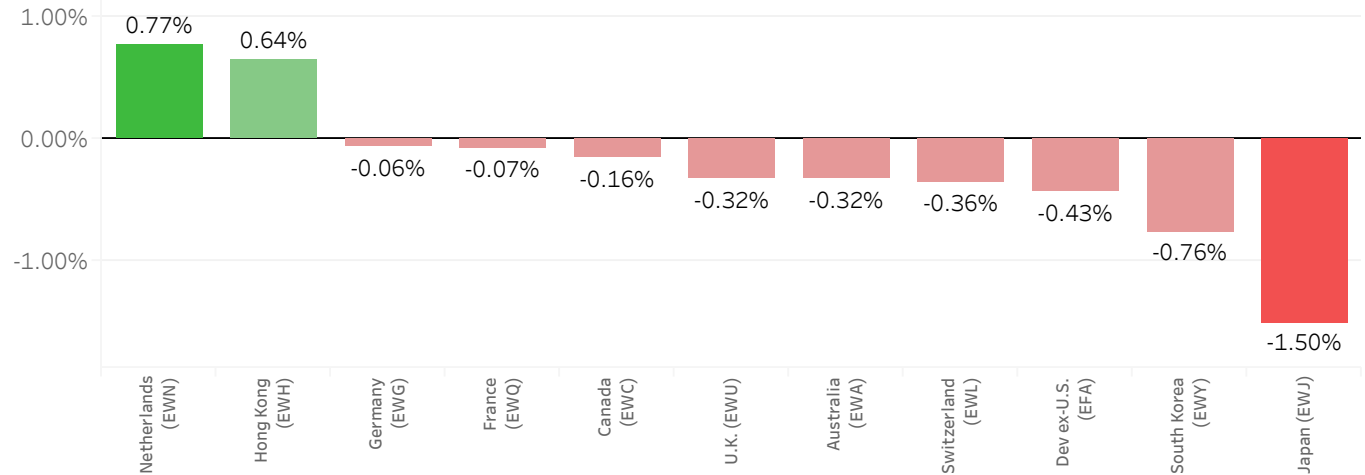


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

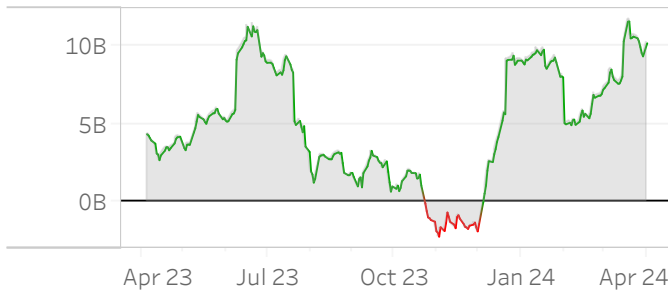
Developed ex-U.S. (EFA)



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



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



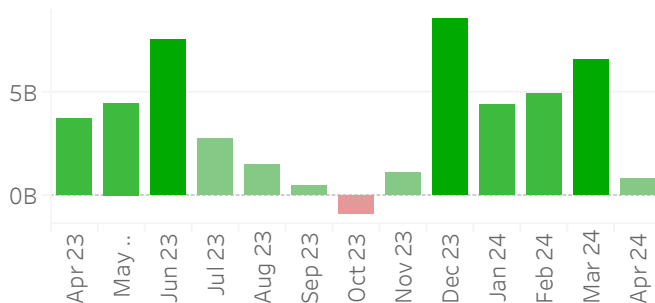
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
AIA	iShares Asia 50 ETF	1.10%
MINV	Matthews Asia Innovators Active ETF	0.94%
EWN	iShares MSCI Netherlands ETF	0.77%
EWH	iShares MSCI Hong Kong ETF	0.64%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.52%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.51%
HEDJ	WisdomTree Europe Hedged Equity Fund	0.39%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	0.27%
FEZ	SPDR EURO STOXX 50 ETF	0.23%
SPEU	SPDR Portfolio Europe ETF	0.14%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
HEZU	iShares Currency Hedged MSCI Eurozone ETF	80.63
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	79.93
LVHJ	Franklin International Low Volatility High Dividend Index ..	77.66
HEDJ	WisdomTree Europe Hedged Equity Fund	75.52
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	74.63
HEFA	iShares Currency Hedged MSCI EAFE ETF	74.34
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	73.76
FKU	First Trust United Kingdom AlphaDEX Fund	69.64
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	69.25
ISVL	iShares International Developed Small Cap Value Factor E..	69.12

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
FJP	First Trust Japan AlphaDEX Fund	-1.94%
EWJV	iShares MSCI Japan Value ETF	-1.75%
FLJP	Franklin FTSE Japan ETF	-1.51%
BBJP	JPMorgan BetaBuilders Japan Fund BetaBuilders Japan F..	-1.50%
EWJ	iShares MSCI Japan ETF	-1.50%
DXJ	WisdomTree Japan Hedged Equity Fund	-1.37%
JPNX	iShares JPX-Nikkei 400 ETF	-1.37%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-1.31%
FLKR	Franklin FTSE South Korea ETF	-1.23%
IDMO	Invesco S&P International Developed Momentum ETF	-1.19%

Developed ex-U.S. Most Oversold

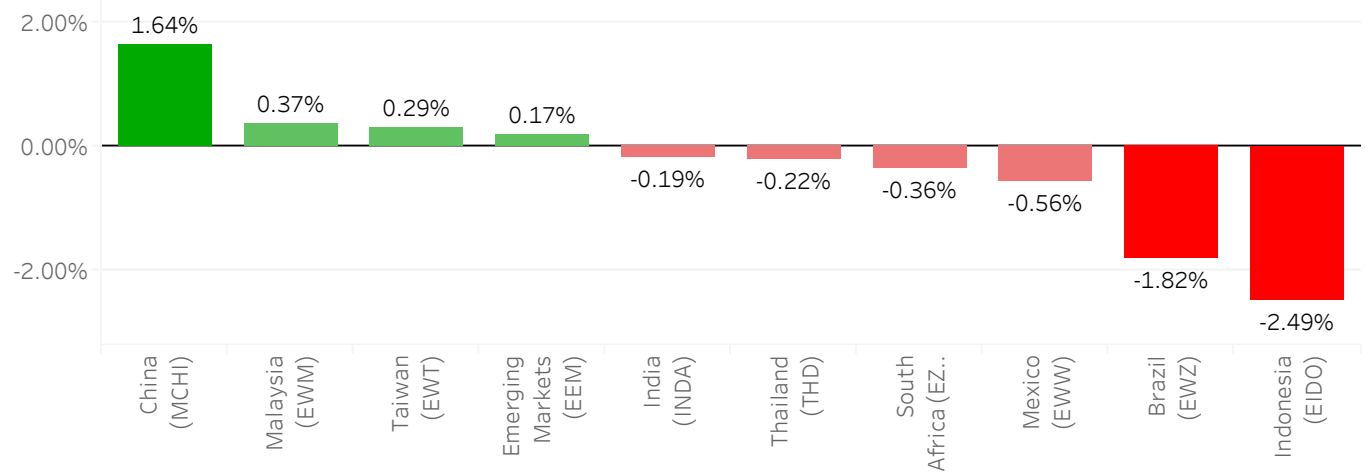
Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	38.04
ENZL	iShares MSCI New Zealand ETF	43.57
GREK	Global X MSCI Greece ETF	44.76
EWD	iShares MSCI Sweden ETF	46.44
EWL	iShares MSCI Switzerland ETF	48.35
IDLV	Invesco S&P International Developed Low Volatility ..	48.53
DFJ	WisdomTree Japan SmallCap Dividend Fund	49.28
FJP	First Trust Japan AlphaDEX Fund	49.35
FICS	First Trust International Developed Capital Strengt..	49.56
BBAX	JPMorgan BetaBuilders Developed Asia Pacific ex-Ja..	49.84

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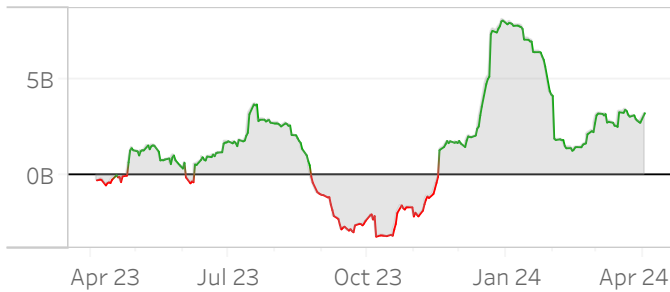
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



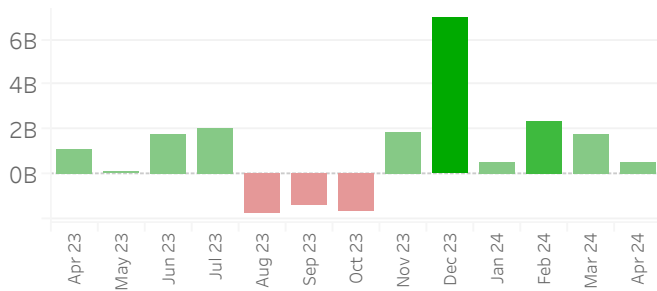
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	2.12%
CNYA	iShares MSCI China A ETF	1.97%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	1.91%
SMIN	iShares MSCI India Small Cap ETF	1.84%
GXC	SPDR S&P China ETF	1.72%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.67%
MCHI	iShares MSCI China ETF	1.64%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	1.59%
TUR	iShares MSCI Turkey ETF	1.59%
FXI	iShares China Large-Cap ETF	1.37%

Emerging Most Overbought

Ticker	Fund	Value
FM	iShares Frontier and Select EM ETF	80.87
EPU	iShares MSCI Peru and Global Exposure ETF	66.79
MEM	Matthews Emerging Markets Equity Active ETF	66.26
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	66.05
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	64.90
ARGT	Global X MSCI Argentina ETF	64.07
EWZ	iShares MSCI Mexico ETF	63.29
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	63.06
FRDM	Freedom 100 Emerging Markets ETF	62.93
EWT	iShares MSCI Taiwan ETF	62.26

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EIDO	iShares MSCI Indonesia ETF	-2.49%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.06%
EWZ	iShares MSCI Brazil ETF	-1.82%
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	-1.71%
QAT	iShares MSCI Qatar ETF	-1.64%
KSA	iShares MSCI Saudi Arabia ETF	-1.63%
FLLA	Franklin FTSE Latin America ETF	-1.31%
FLN	First Trust Latin America AlphaDEX Fund	-1.30%
ILF	iShares Latin America 40 ETF	-1.27%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-0.75%

Emerging Most Oversold

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	33.80
THD	iShares MSCI Thailand ETF	35.08
EIDO	iShares MSCI Indonesia ETF	35.10
KSA	iShares MSCI Saudi Arabia ETF	37.11
EWZ	iShares MSCI Brazil ETF	39.82
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	41.25
DVYE	iShares Emerging Markets Dividend ETF	43.17
EELV	Invesco S&P Emerging Markets Low Volatility ETF	44.95
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market..	46.96
FLLA	Franklin FTSE Latin America ETF	47.05

* 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	-0.72%	-0.31%	-1.46%
SHY	1-3 Year Treasury Bonds	-0.21%	-0.06%	0.06%
IEF	7-10 Year Treasury Bonds	-0.90%	-0.63%	-2.19%
TLT	20+ Year Treasury Bonds	-1.86%	-1.70%	-5.49%
TIP	TIPS Bonds	-0.65%	-0.38%	-0.72%
FLOT	Floating Rate Bonds	0.03%	0.50%	1.90%
LQD	Investment Grade Corporate	-0.95%	-0.04%	-1.81%
HYG	High Yield Corporate	-0.41%	0.30%	1.10%
BKLN	Senior Loan	-0.05%	0.69%	1.82%
PFF	Preferred & Income Securities	0.19%	1.12%	4.65%
MUB	Municipal Bonds	-0.30%	-0.55%	-0.56%
MBB	MBS	-0.61%	-0.23%	-1.75%
EMB	Dollar Denominated EM Bonds	-0.43%	0.97%	1.11%
LEMB	Local Currency EM Bond	-0.57%	-0.75%	-2.31%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.87%	4.08%	3.22%
DBE	Energy	0.53%	3.84%	8.55%
USO	WTI Crude Oil	1.19%	6.28%	19.53%
BNO	Brent Crude Oil	0.88%	6.27%	17.87%
UNG	Natural Gas	5.63%	-6.27%	-24.11%
UGA	Gasoline	-0.18%	4.50%	16.64%
DBP	Precious Metals	0.84%	7.82%	8.11%
GLD	Gold	1.02%	7.74%	8.71%
SLV	Silver	0.48%	7.98%	4.96%
PPLT	abrdrn Physical Platin..	-0.80%	1.68%	-9.08%
PALL	abrdrn Physical Palla..	-1.20%	5.53%	-8.60%
DBB	Base Metals	0.50%	3.80%	-1.37%
CPER	Copper	1.07%	5.75%	5.18%
DBA	Agriculture	1.25%	12.93%	20.88%
CORN	Corn	-0.35%	4.20%	-6.77%
SOYB	Soybeans	-0.60%	3.49%	-7.22%
WEAT	Wheat	-0.55%	2.67%	-9.88%
CANE	Sugar	0.44%	5.86%	9.32%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.39%	1.57%	5.13%
UDN	Short Dollar	-0.49%	-0.82%	-2.87%
FXE	Euro	-0.40%	-0.70%	-2.11%
FXB	British Pound Sterling	-0.55%	-0.54%	-0.73%
FXF	Swiss Franc	-0.26%	-2.32%	-6.95%
FXJ	Japanese Yen	-0.21%	-0.97%	-7.16%
FXC	Canadian Dollar	-0.28%	0.14%	-1.74%
FXA	Australian Dollar	-0.45%	-0.53%	-4.42%

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