

Large Cap Blend (S&P 500) IVV



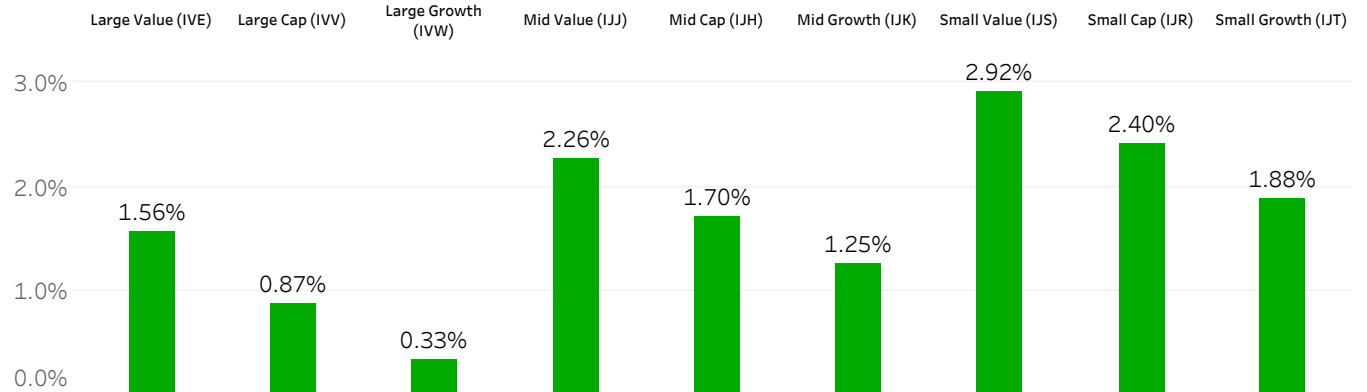
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
SLYV	SPDR S&P 600 Small Cap Value ETF	3.00%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	2.92%
IJS	iShares S&P Small-Cap 600 Value ETF	2.92%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	2.90%
VIOV	Vanguard S&P Small-Cap 600 Value ETF	2.82%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	2.80%
SVAL	iShares US Small Cap Value Factor ETF	2.77%
SMDV	ProShares Russell 2000 Dividend Growers ETF	2.75%
RFV	Invesco S&P Midcap 400 Pure Value ETF	2.64%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	2.62%

Size & Style Most Overbought

Ticker	Fund	Price
LSAT	Leadershares Alphafactor Tactical Focused ETF	82.59
PWV	Invesco Large Cap Value ETF	79.82
LSAF	LeaderShares AlphaFactor US Core Equity ETF	79.20
SPVU	Invesco S&P 500 Enhanced Value ETF	79.16
PKW	Invesco Buyback Achievers ETF	79.05
COWZ	Pacer US Cash Cows 100 ETF	77.56
DFUV	Dimensional US Marketwide Value ETF	77.34
SEIV	SEI Enhanced U.S. Large Cap Value Factor ETF	77.17
RWL	Invesco S&P 500 Revenue ETF	76.08
IWX	iShares Russell Top 200 Value ETF	75.69

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
FFTY	Innovator IBD 50 ETF	-1.04%
FPX	First Trust US Equity Opportunities ETF	-0.21%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.19%
PWB	Invesco Large Cap Growth ETF	-0.13%
IPO	Renaissance IPO ETF	-0.08%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	-0.03%
MTUM	iShares MSCI USA Momentum Factor ETF	-0.01%
MMLG	First Trust Multi-Manager Large Growth ETF	0.04%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	0.11%
SEIM	SEI Enhanced U.S. Large Cap Momentum Factor ETF	0.15%

Size & Style Most Oversold

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	50.23
DRUP	GraniteShares Nasdaq Select Disruptors ETF	55.17
WINN	Harbor Long-Term Growers ETF	55.66
FFTY	Innovator IBD 50 ETF	56.07
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	56.66
QQH	HCM Defender 100 Index ETF	56.90
MGK	Vanguard Mega Cap Growth ETF	57.19
QQQ	Invesco QQQ Trust Series I	57.63
AIEQ	Amplify AI Powered Equity ETF	57.64
QQQM	Invesco NASDAQ 100 ETF	57.66

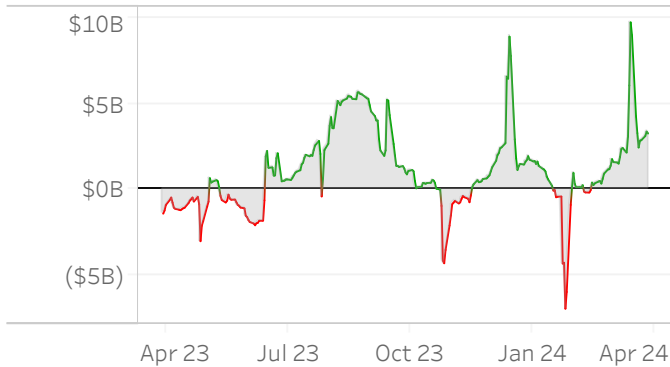
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

* 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	\$1,873B	\$12.95B	\$44.61B	\$134.60B	\$205.02B
Large Cap, Beta, Beta: Growth	10	\$364B	(\$0.04B)	\$8.18B	\$19.20B	\$24.93B
Large Cap, Beta, Beta: Value	11	\$260B	\$0.07B	\$2.19B	\$8.79B	\$4.79B
Mid Cap, Beta, Beta	10	\$228B	\$0.29B	\$2.68B	\$2.70B	\$9.43B
Mid Cap, Beta, Beta: Growth	6	\$44B	\$0.19B	\$0.57B	\$1.64B	\$2.45B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.07B	(\$1.26B)	(\$1.51B)	(\$2.82B)
Small Cap, Beta, Beta	11	\$237B	\$0.99B	\$1.35B	\$11.93B	\$20.05B
Small Cap, Beta, Beta: Growth	7	\$40B	\$0.08B	\$1.15B	\$2.24B	\$2.82B
Small Cap, Beta, Beta: Value	7	\$54B	(\$0.03B)	(\$0.69B)	\$0.30B	(\$1.25B)

U.S. Size & Style Flow Leaders

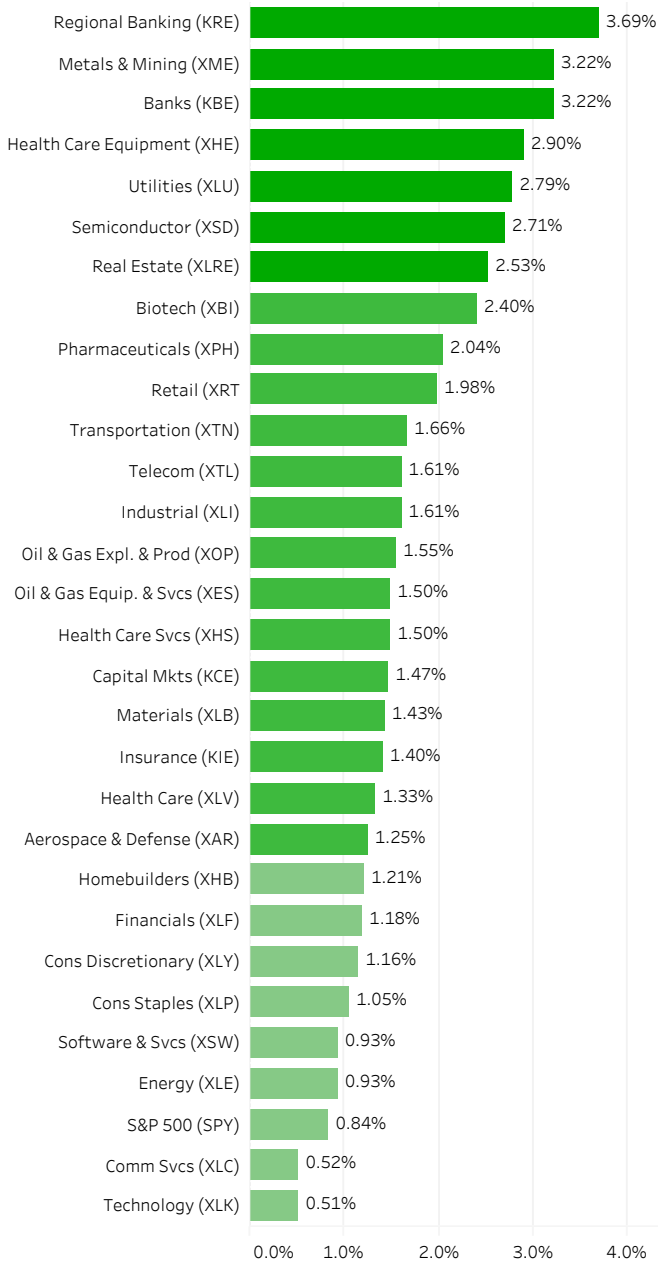
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$12.88B	\$12.55B	\$32.44B	\$52.59B	\$449.43B
VOO	Vanguard S&P 500 ETF	\$2.44B	\$24.74B	\$36.30B	\$62.24B	\$431.59B
QQQ	Invesco QQQ Trust Series I	\$1.06B	\$9.32B	\$12.70B	\$18.79B	\$258.32B
IWM	iShares Russell 2000 ETF	\$0.52B	(\$4.34B)	\$2.38B	\$4.69B	\$63.66B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.35B	\$2.56B	\$4.11B	\$6.69B	\$42.47B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.33B	\$1.02B	\$5.68B	\$12.68B	\$53.33B
JEPQ	JPMorgan NASDAQ Equity Premium Income E..	\$0.31B	\$2.57B	\$5.03B	\$8.49B	\$11.80B
SCHD	Schwab US Dividend Equity ETF	\$0.27B	\$1.36B	\$2.18B	\$4.92B	\$55.19B
IWR	iShares Russell Midcap ETF	\$0.24B	(\$0.16B)	\$0.12B	\$0.07B	\$32.82B
DWAS	Invesco Dorsey Wright SmallCap Momentum ..	\$0.23B	\$0.33B	\$0.33B	\$0.49B	\$1.13B

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	(\$0.67B)	(\$0.09B)	\$0.92B	\$0.24B	\$33.71B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.48B)	(\$3.82B)	(\$7.29B)	(\$7.82B)	\$24.26B
IWF	iShares Russell 1000 Growth ETF	(\$0.27B)	(\$1.74B)	\$1.09B	\$1.18B	\$88.94B
VONG	Vanguard Russell 1000 Growth ETF	(\$0.18B)	\$0.26B	\$2.20B	\$3.13B	\$19.22B
SMMV	iShares MSCI USA Small-Cap Min Vol Factor E..	(\$0.12B)	(\$0.11B)	(\$0.10B)	(\$0.07B)	\$0.78B
VUG	Vanguard Growth ETF	(\$0.12B)	\$2.72B	\$5.07B	\$5.17B	\$118.32B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.11B)	\$0.08B	\$1.07B	\$1.54B	\$53.69B
VONV	Vanguard Russell 1000 Value ETF	(\$0.10B)	(\$0.18B)	\$0.57B	\$0.70B	\$8.26B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.10B)	(\$0.08B)	(\$0.07B)	(\$0.34B)	\$21.97B
FVD	First Trust Value Line Dividend Index Fund	(\$0.08B)	(\$0.96B)	(\$1.81B)	(\$2.49B)	\$10.04B

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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)
SPY	SPDR S&P 500 ETF Trust	0.00%	29.38%	4.04%	13.41%	66.22
XLB	Materials Select Sector SPDR Fund	0.00%	24.42%	7.29%	12.15%	74.56
XLE	Energy Select Sector SPDR Fund	0.00%	21.95%	8.14%	8.64%	73.60
XLI	Industrial Select Sector SPDR Fund	0.00%	30.59%	5.97%	14.89%	70.73
XLF	Financial Select Sector SPDR Fund	-0.02%	33.20%	5.17%	16.28%	70.01
XLC	Communication Services Select Sector SPDR Fund	-0.04%	45.72%	3.61%	15.53%	63.60
XLV	Health Care Select Sector SPDR Fund	-0.10%	19.95%	2.42%	9.26%	63.30
XLY	Consumer Discretionary Select Sector SPDR Fund	-0.30%	28.51%	3.16%	8.01%	60.20
XLK	Technology Select Sector SPDR Fund	-1.09%	44.97%	1.78%	13.87%	54.27
XLP	Consumer Staples Select Sector SPDR Fund	-1.60%	15.16%	2.76%	5.67%	64.47
XLRE	Real Estate Select Sector SPDR Fund	-3.01%	22.03%	1.39%	5.40%	53.93
XLU	Utilities Select Sector SPDR Fund	-6.82%	16.03%	5.11%	3.87%	65.73

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWR	Invesco KBW Regional Banking ETF	4.23%
KRE	SPDR S&P Regional Banking ETF	3.69%
QABA	First Trust NASDAQ ABA Community Bank Index F..	3.59%
XME	SPDR S&P Metals & Mining ETF	3.22%
KBE	SPDR S&P Bank ETF	3.22%
IAT	iShares U.S. Regional Banks ETF	3.14%
XHE	SPDR S&P Health Care Equipment ETF	2.90%
REZ	iShares Residential and Multisector Real Estate E..	2.90%
FRI	First Trust S&P REIT Index Fund	2.87%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	2.82%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
FXG	First Trust Consumer Staples AlphaDEX Fund	81.82
KBWP	Invesco KBW Property & Casualty Insurance ETF	78.16
PBJ	Invesco Food & Beverage ETF	76.99
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	76.88
IAK	iShares U.S. Insurance ETF	76.78
FTXN	First Trust Nasdaq Oil & Gas ETF	76.56
FXN	First Trust Energy AlphaDEX Fund	76.54
RSPG	Invesco S&P 500 Equal Weight Energy ETF	75.84
PPA	Invesco Aerospace & Defense ETF	75.68
IYE	iShares U.S. Energy ETF	75.16

Sector & Industry 1 Day Performance Laggards

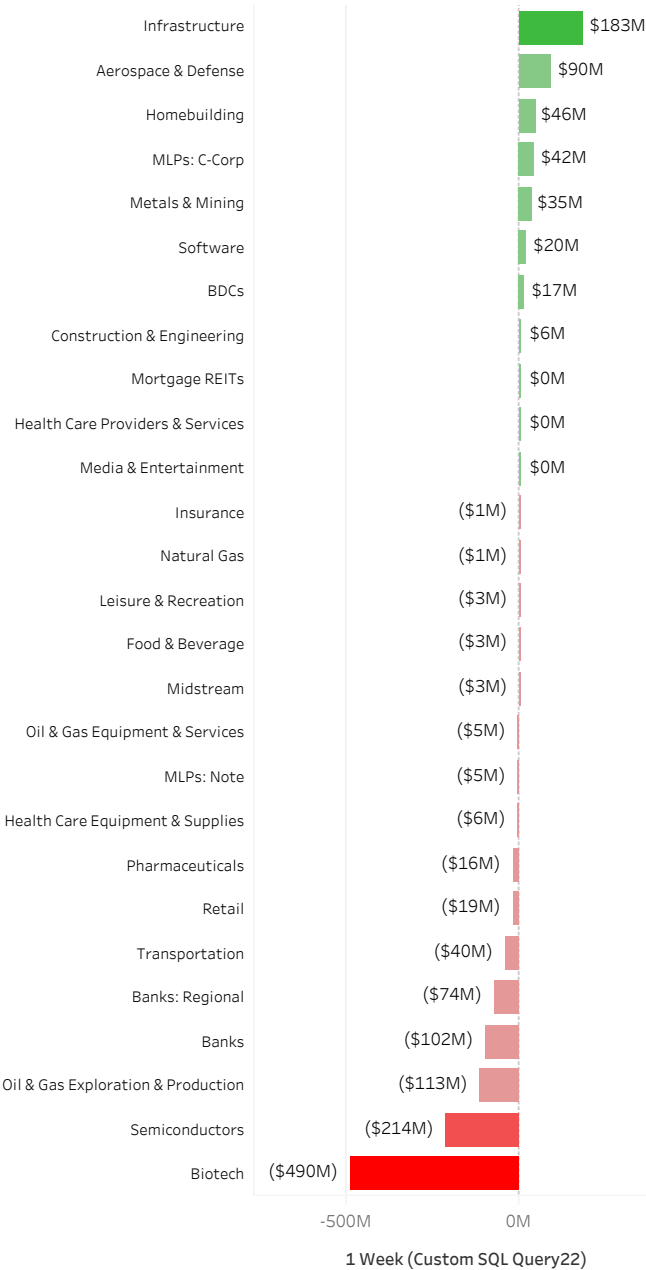
Ticker	Fund	1 Day Performance
IGV	iShares Expanded Tech-Software Sector ETF	-0.54%
PTF	Invesco Dorsey Wright Technology Momentum ETF	-0.26%
FDN	First Trust Dow Jones Internet Index Fund	-0.24%
IGPT	Invesco AI and Next Gen Software ETF	-0.07%
IETC	iShares U.S. Tech Independence Focused ETF	0.01%
XNTK	SPDR NYSE Technology ETF	0.02%
PNQI	Invesco NASDAQ Internet ETF	0.02%
IGM	iShares Expanded Tech Sector ETF	0.08%
IYW	iShares U.S. Technology ETF	0.10%
FXL	First Trust Technology AlphaDEX Fund	0.16%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XTL	SPDR S&P Telecom ETF	47.32
XPH	SPDR S&P Pharmaceuticals ETF	48.77
IYZ	iShares U.S. Telecommunications ETF	49.72
IGV	iShares Expanded Tech-Software Sector ETF	50.01
XBI	SPDR S&P BIOTECH ETF	50.24
PBE	Invesco Biotechnology & Genome ETF	50.62
JPRE	JPMorgan Realty Income ETF JPMorgan Realty Income E..	50.63
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	50.69
PSR	Invesco Active U.S. Real Estate Fund	51.38
PSCT	Invesco S&P SmallCap Information Technology ETF	51.54

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U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$23B	\$111M	(\$182M)	\$1,436M	\$3,847M
Consumer Discretionary	12	\$31B	\$96M	\$216M	\$246M	\$2,968M
Consumer Staples	10	\$26B	(\$180M)	(\$1,116M)	(\$3,606M)	(\$4,269M)
Energy	30	\$77B	\$376M	(\$819M)	(\$599M)	(\$4,156M)
Financials	26	\$65B	(\$55M)	(\$1,756M)	(\$739M)	(\$3,060M)
Health Care	23	\$93B	(\$710M)	\$441M	(\$3,049M)	(\$6,398M)
Industrial	13	\$41B	\$568M	\$1,792M	\$1,568M	\$2,295M
Materials	9	\$12B	(\$61M)	(\$2M)	(\$923M)	(\$2,950M)
Multi-Sector	16	\$24B	\$228M	\$1,235M	\$976M	\$3,495M
Real Estate	25	\$60B	\$74M	\$1,606M	\$3,513M	\$2,538M
Technology	23	\$197B	\$1,144M	\$5,822M	\$11,200M	\$11,746M
Utilities	9	\$19B	(\$193M)	(\$2,392M)	(\$2,993M)	(\$3,845M)

U.S. Sector & Industry Flow Leaders

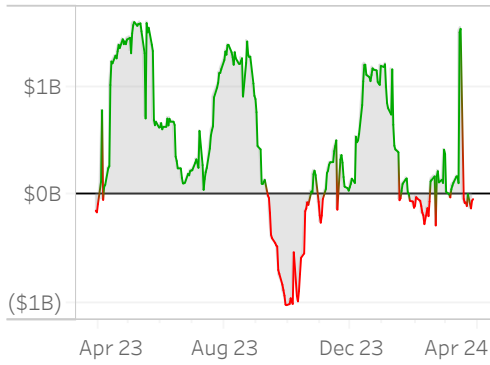
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$806M	\$1,992M	\$4,347M	\$4,619M	\$65,083M
XLE	Energy Select Sector SPDR Fund	\$458M	(\$748M)	(\$459M)	(\$2,619M)	\$39,076M
XLI	Industrial Select Sector SPDR Fund	\$419M	\$1,094M	\$458M	\$1,061M	\$18,013M
FTEC	Fidelity MSCI Information Technology Index ETF	\$241M	\$638M	\$855M	\$1,239M	\$9,624M
VNQ	Vanguard Real Estate ETF	\$168M	\$1,153M	\$422M	\$64M	\$32,925M
PAVE	Global X U.S. Infrastructure Development ETF	\$157M	\$737M	\$695M	\$1,416M	\$7,219M
PTF	Invesco Dorsey Wright Technology Momentum ..	\$127M	\$7M	\$125M	\$212M	\$531M
XLC	Communication Services Select Sector SPDR Fu..	\$123M	(\$237M)	\$1,478M	\$3,496M	\$17,957M
VGT	Vanguard Information Technology ETF	\$119M	\$1,678M	\$2,694M	\$1,842M	\$65,742M
PPA	Invesco Aerospace & Defense ETF	\$119M	\$193M	\$623M	\$714M	\$3,116M

U.S. Sector & Industry Flow Laggards

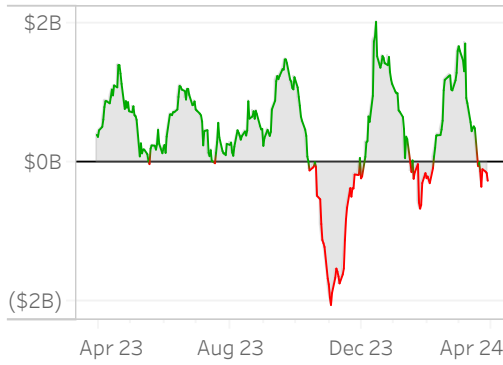
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	(\$318M)	(\$71M)	\$180M	(\$624M)	\$7,275M
SOXX	iShares Semiconductor ETF	(\$234M)	\$333M	\$441M	\$482M	\$12,382M
XLU	Utilities Select Sector SPDR Fund	(\$194M)	(\$2,265M)	(\$2,193M)	(\$2,616M)	\$11,924M
XLV	Health Care Select Sector SPDR Fund	(\$167M)	\$411M	(\$1,799M)	(\$2,374M)	\$40,803M
XLP	Consumer Staples Select Sector SPDR Fund	(\$155M)	(\$649M)	(\$2,084M)	(\$1,608M)	\$15,449M
IBB	iShares Biotechnology ETF	(\$150M)	\$150M	(\$176M)	(\$864M)	\$7,569M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$121M)	\$48M	\$297M	(\$184M)	\$4,051M
XLB	Materials Select Sector SPDR Fund	(\$96M)	\$297M	(\$63M)	(\$289M)	\$5,718M
KBE	SPDR S&P Bank ETF	(\$89M)	(\$476M)	\$155M	(\$137M)	\$1,502M
IYR	iShares U.S. Real Estate ETF	(\$74M)	(\$121M)	\$1,217M	\$817M	\$4,144M

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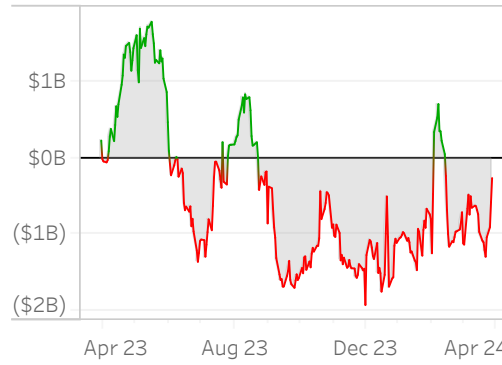
Communication Services



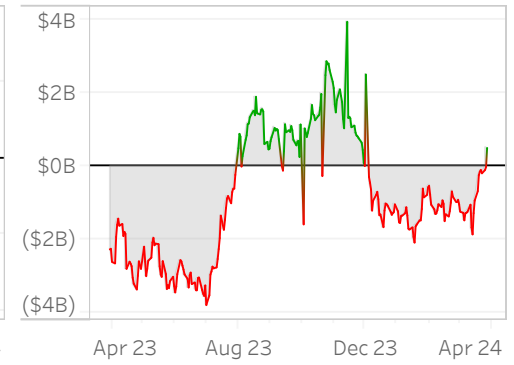
Consumer Discretionary



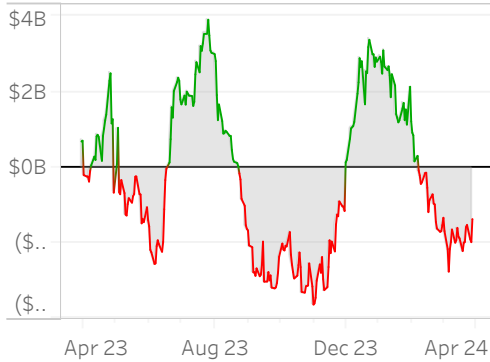
Consumer Staples



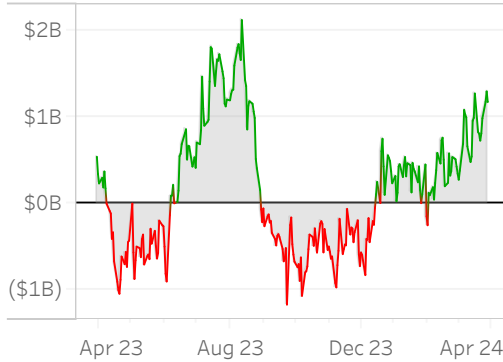
Energy



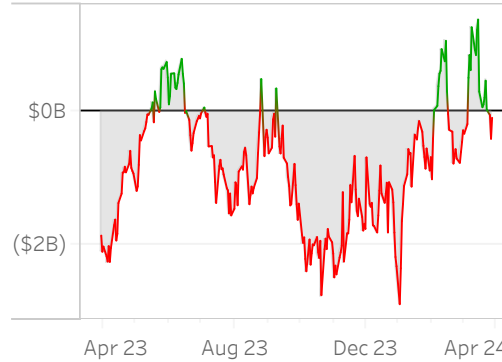
Financials



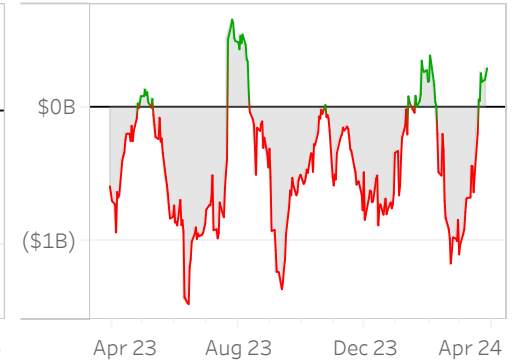
Industrial



Health Care



Materials



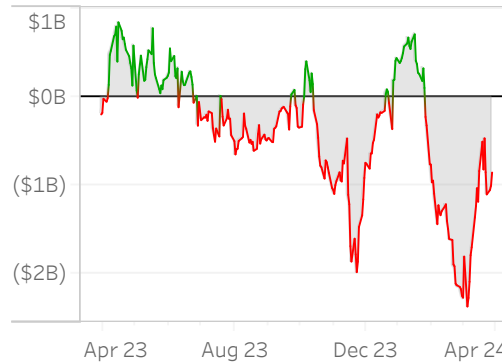
Real Estate



Technology



Utilities

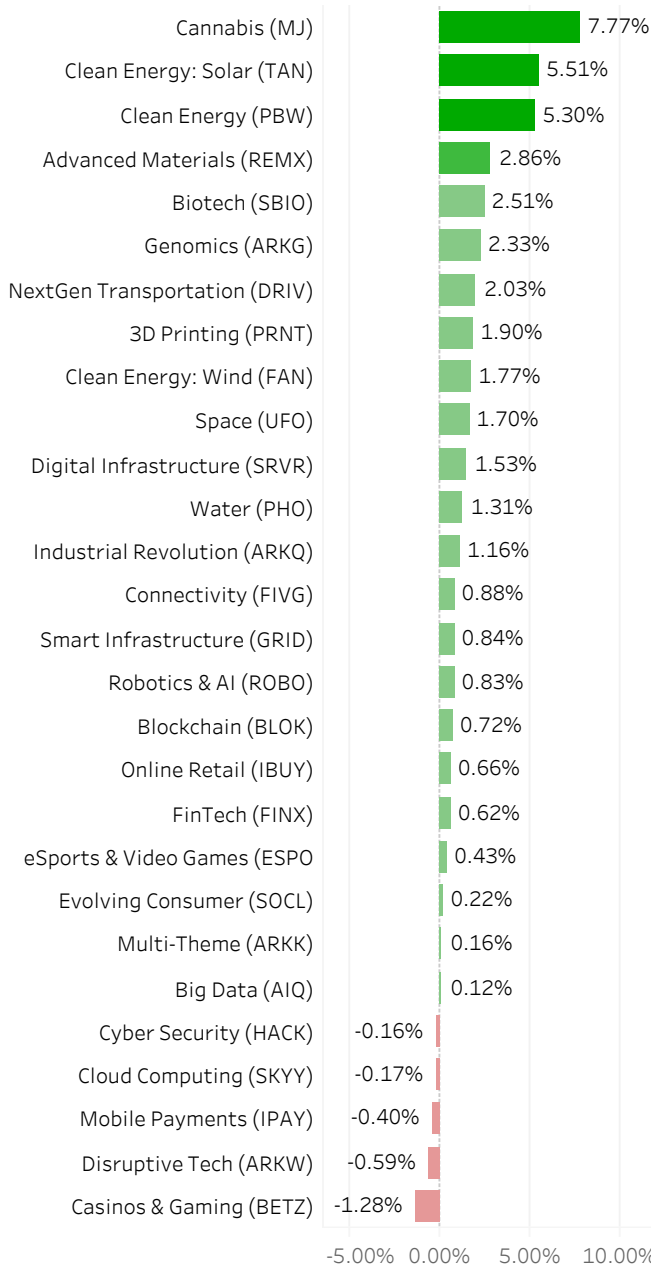


Multi-Sector

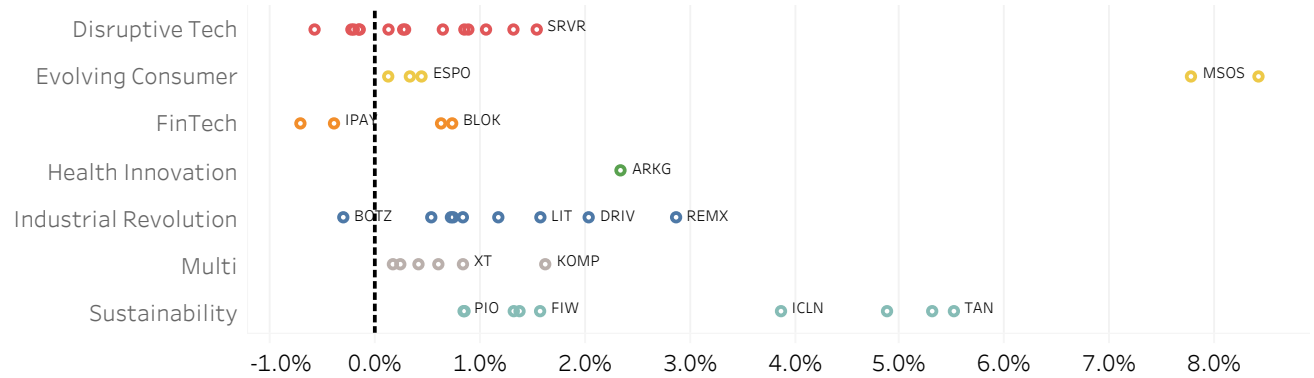


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
MSOS	AdvisorShares Pure US Cannabis ETF	8.41%
MJ	Amplify Alternative Harvest ETF	7.77%
MJUS	Amplify U.S. Alternative Harvest ETF	7.73%
TAN	Invesco Solar ETF	5.51%
PBW	Invesco WilderHill Clean Energy ETF	5.30%
ACES	ALPS Clean Energy ETF	5.11%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	4.87%
CNRG	SPDR S&P Kensho Clean Power ETF	4.24%
YOLO	AdvisorShares Pure Cannabis ETF	4.04%
CTEC	Global X CleanTech ETF	3.90%

Thematic Most Overbought

Ticker	Fund	Value
EVX	VanEck Environmental Services ETF	73.48
MJ	Amplify Alternative Harvest ETF	71.07
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	70.99
YOLO	AdvisorShares Pure Cannabis ETF	70.23
EBLU	Ecofin Global Water ESG Fund	69.86
PHO	Invesco Water Resources ETF	67.30
EBIZ	Global X E-Commerce ETF	66.91
FIW	First Trust Water ETF	66.76
CGW	Invesco S&P Global Water Index ETF	66.19
GBUY	Goldman Sachs Future Consumer Equity ETF	65.51

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.46%
BETZ	Roundhill Sports Betting & iGaming ETF	-1.28%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.03%
ARKF	ARK Fintech Innovation ETF	-0.72%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-0.65%
ARKW	ARK Next Generation Internet ETF	-0.59%
ENTR	ERShares Entrepreneurs ETF	-0.52%
THNQ	ROBO Global Artificial Intelligence ETF	-0.43%
IPAY	Amplify Mobile Payments ETF	-0.40%
WCBR	WisdomTree Cybersecurity Fund	-0.35%

Thematic Most Oversold

Ticker	Fund	Value
WCBR	WisdomTree Cybersecurity Fund	40.69
KGRN	KraneShares MSCI China Clean Technology Index ETF	42.37
ARKG	ARK Genomic Revolution ETF	43.14
BUG	Global X Cybersecurity ETF	43.88
IHAK	iShares Cybersecurity & Tech ETF	44.08
SRVR	Pacer Data & Infrastructure Real Estate ETF	44.17
SPRX	Spear Alpha ETF	44.51
CIBR	First Trust NASDAQ Cybersecurity ETF	44.97
PAWZ	ProShares Pet Care ETF	45.93
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	47.57

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
AIQ	Global X Artificial Intelligence & Technology ETF	\$46M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$29M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$28M
FIW	First Trust Water ETF	\$10M
ARKK	ARK Innovation ETF	\$10M
SOCL	Global X Social Media ETF	\$9M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$9M
MSOS	AdvisorShares Pure US Cannabis ETF	\$8M
FITE	SPDR S&P Kensho Future Security ETF	\$8M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M

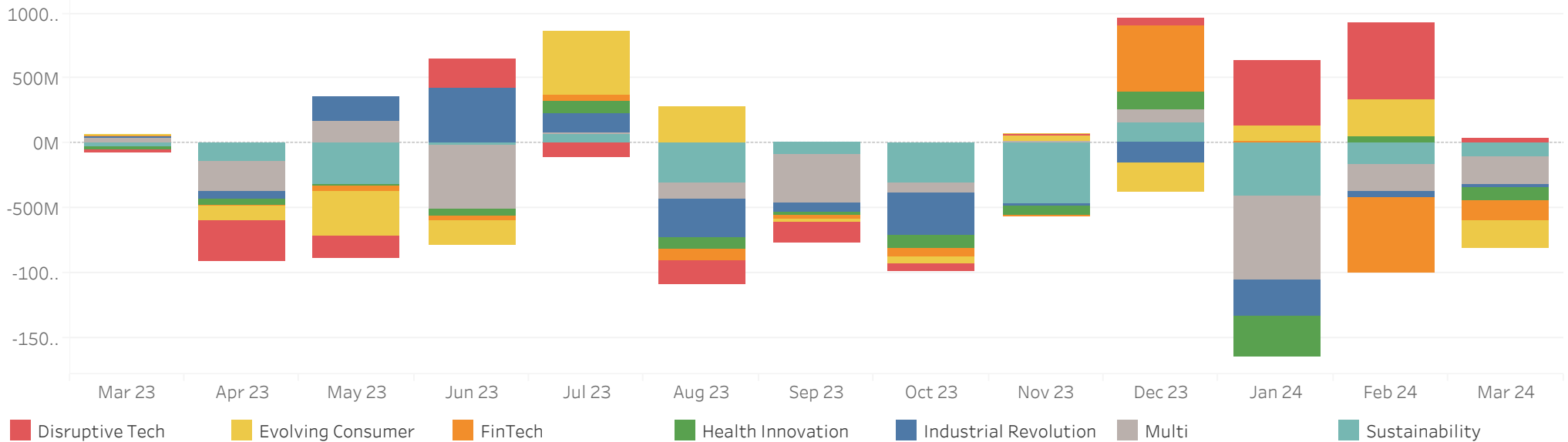
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$59M)
ARKG	ARK Genomic Revolution ETF	(\$32M)
XITK	SPDR FactSet Innovative Technology ETF	(\$22M)
HACK	Amplify Cybersecurity ETF	(\$10M)
ICLN	iShares Global Clean Energy ETF	(\$10M)
IDRV	iShares Self-driving EV & Tech ETF	(\$9M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$9M)
ARKW	ARK Next Generation Internet ETF	(\$8M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$8M)
IPAY	Amplify Mobile Payments ETF	(\$8M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	(\$6M)	\$1,139M	\$1,141M	\$396M
Evolving Consumer	34	\$9B	(\$35M)	\$210M	\$0M	\$124M
FinTech	17	\$4B	(\$15M)	(\$702M)	(\$284M)	(\$474M)
Health Innovation	17	\$2B	(\$30M)	(\$286M)	(\$395M)	(\$535M)
Industrial Revolution	30	\$10B	\$8M	(\$342M)	(\$840M)	(\$483M)
Multi	33	\$15B	\$5M	(\$1,100M)	(\$1,094M)	(\$2,039M)
Sustainability	39	\$12B	\$23M	(\$675M)	(\$1,304M)	(\$2,136M)
Grand Total	203	\$73B	(\$50M)	(\$1,757M)	(\$2,777M)	(\$5,146M)

Thematic Monthly Flows

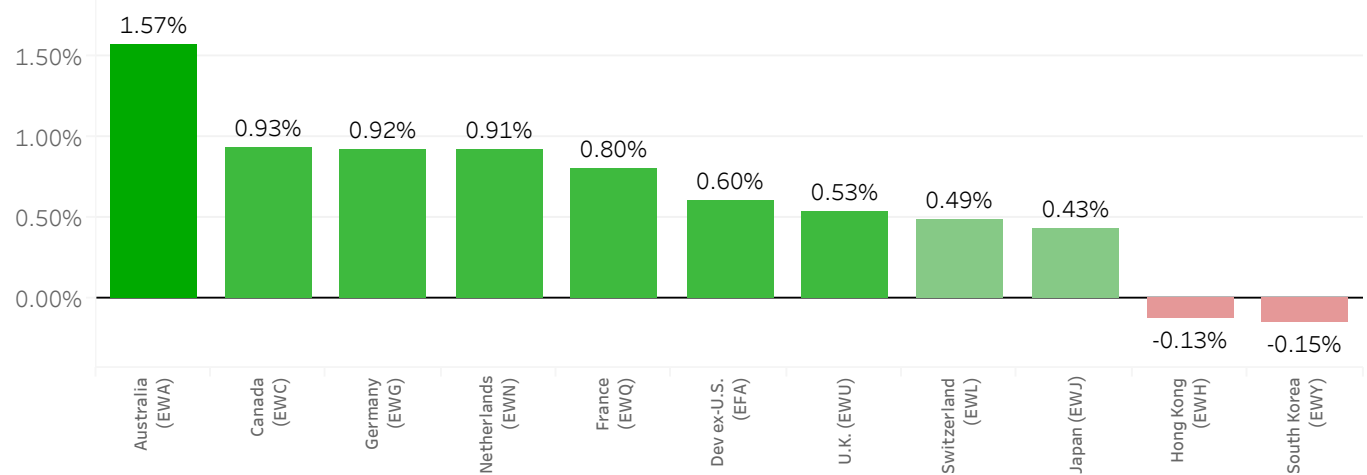


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

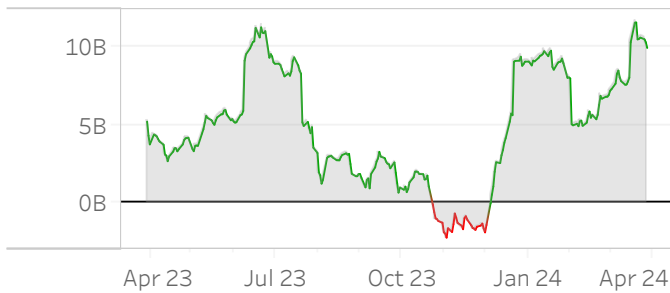
Developed ex-U.S. (EFA)



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



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



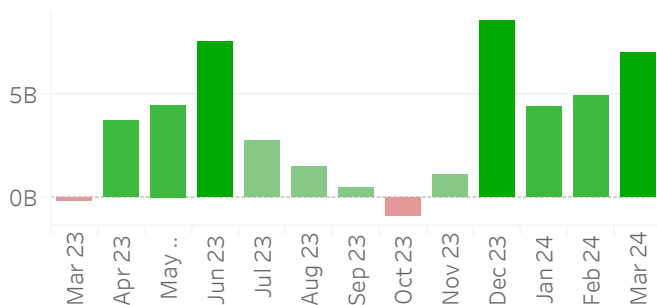
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWA	iShares MSCI Australia ETF	1.57%
EWP	iShares MSCI Spain ETF	1.44%
DFE	WisdomTree Europe SmallCap Dividend Fund	1.20%
DAX	Global X DAX Germany ETF	1.15%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific ex-Japan ETF	1.13%
JHMD	John Hancock Multifactor Developed International ETF	1.11%
LVHI	Franklin International Low Volatility High Dividend Index ETF	1.08%
DISV	Dimensional International Small Cap Value ETF	1.08%
EPP	iShares MSCI Pacific ex-Japan ETF	1.06%
GWX	SPDR S&P International Small Cap ETF	1.05%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
LVHI	Franklin International Low Volatility High Dividend Index ..	80.94
HEZU	iShares Currency Hedged MSCI Eurozone ETF	79.28
EWP	iShares MSCI Spain ETF	78.13
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	78.10
HEFA	iShares Currency Hedged MSCI EAFE ETF	76.86
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	76.44
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	76.03
HEDJ	WisdomTree Europe Hedged Equity Fund	75.74
DFIV	Dimensional International Value ETF	75.50
IDMO	Invesco S&P International Developed Momentum ETF	74.67

Developed ex-U.S. Monthly Flows



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

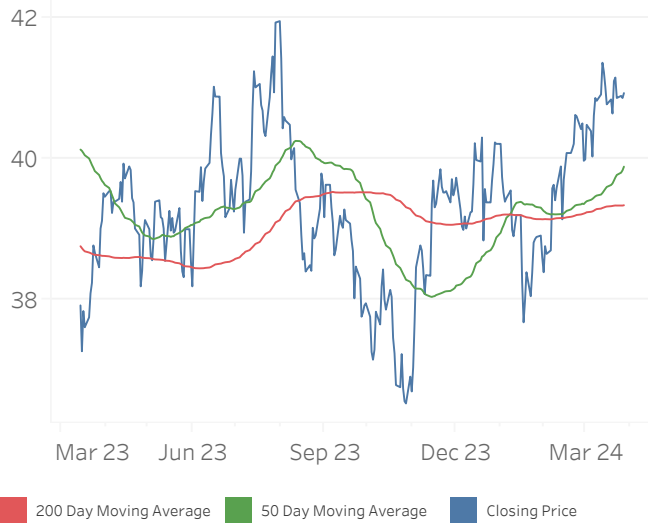
Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-0.62%
MINV	Matthews Asia Innovators Active ETF	-0.43%
EIS	iShares MSCI Israel ETF	-0.39%
EDEN	iShares MSCI Denmark ETF	-0.27%
EWY	iShares MSCI South Korea ETF	-0.15%
EWH	iShares MSCI Hong Kong ETF	-0.13%
FLKR	Franklin FTSE South Korea ETF	-0.12%
EWD	iShares MSCI Sweden ETF	-0.02%
TTAI	FCF International Quality ETF	-0.02%
IMFL	Invesco International Developed Dynamic Multifactor ETF	0.00%

Developed ex-U.S. Most Oversold

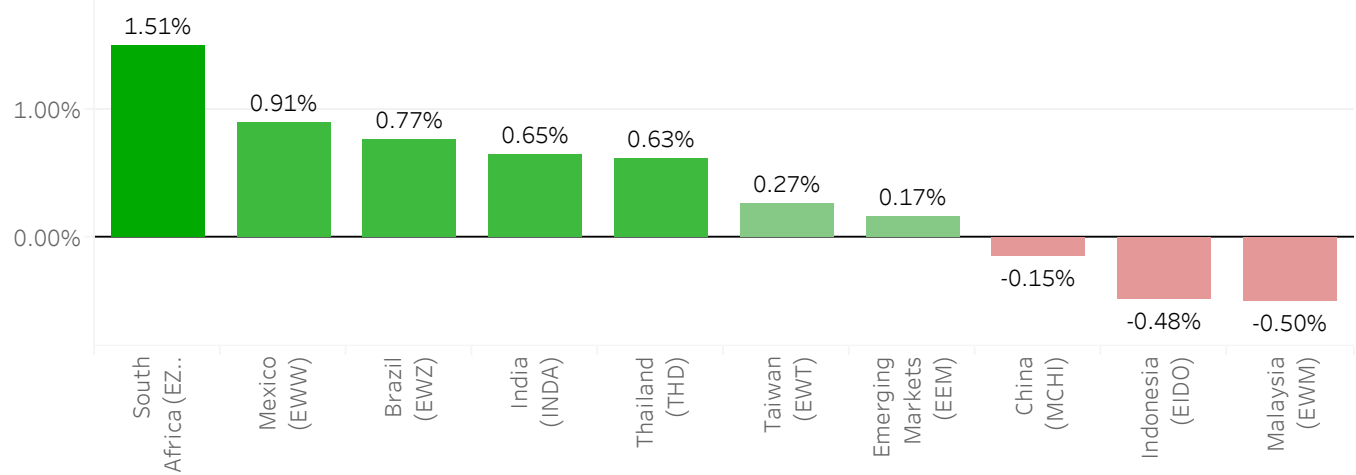
Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	36.13
TTAI	FCF International Quality ETF	47.55
EWL	iShares MSCI Switzerland ETF	47.82
GREK	Global X MSCI Greece ETF	48.41
FSZ	First Trust Switzerland AlphaDEX Fund	50.22
ENZL	iShares MSCI New Zealand ETF	50.62
BBAX	JPMorgan BetaBuilders Developed Asia Pacific ex-Ja..	52.51
BKCI	BNY Mellon Concentrated International ETF	53.23
AAXJ	iShares MSCI All Country Asia ex Japan ETF	55.43
EPP	iShares MSCI Pacific ex-Japan ETF	55.53

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

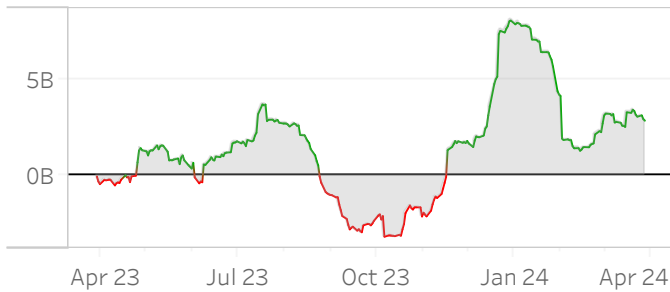
Emerging (EEM)



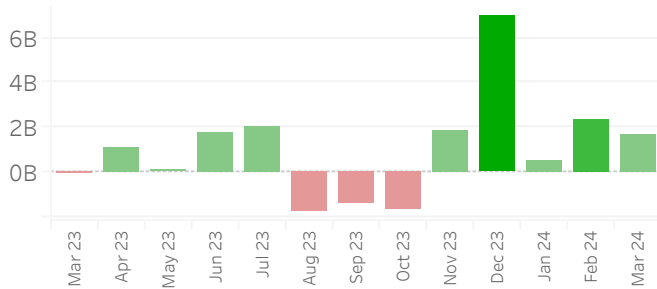
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	1.57%
EZA	iShares MSCI South Africa ETF	1.51%
SMIN	iShares MSCI India Small Cap ETF	1.21%
FLN	First Trust Latin America AlphaDEX Fund	1.12%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.04%
INDY	iShares India 50 ETF	0.97%
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	0.92%
FLLA	Franklin FTSE Latin America ETF	0.92%
EWW	iShares MSCI Mexico ETF	0.91%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.88%

Emerging Most Overbought

Ticker	Fund	Value
FM	iShares Frontier and Select EM ETF	83.00
EWW	iShares MSCI Mexico ETF	66.46
EPU	iShares MSCI Peru and Global Exposure ETF	64.40
ARGT	Global X MSCI Argentina ETF	63.68
VNM	VanEck Vietnam ETF	61.71
MEM	Matthews Emerging Markets Equity Active ETF	61.56
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	61.22
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	60.50
FRDM	Freedom 100 Emerging Markets ETF	60.20
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	59.91

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
CNYA	iShares MSCI China A ETF	-1.15%
KBA	KraneShares Boserá MSCI China A 50 Connect Index ETF	-1.07%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-1.03%
QAT	iShares MSCI Qatar ETF	-0.79%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.61%
EWM	iShares MSCI Malaysia ETF	-0.50%
EIDO	iShares MSCI Indonesia ETF	-0.48%
GXC	SPDR S&P China ETF	-0.40%
FLCH	Franklin FTSE China ETF	-0.31%
DGRE	WisdomTree Emerging Markets Quality Dividend Growth	-0.29%

Emerging Most Oversold

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	39.20
TUR	iShares MSCI Turkey ETF	41.60
THD	iShares MSCI Thailand ETF	42.88
CNYA	iShares MSCI China A ETF	44.38
GLIN	VanEck India Growth Leaders ETF	44.63
NFTY	First Trust India NIFTY 50 Equal Weight ETF	45.38
FEM	First Trust Emerging Markets AlphaDEX Fund	45.45
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	45.82
DVYE	iShares Emerging Markets Dividend ETF	46.17
PGJ	Invesco Golden Dragon China ETF	46.68

* 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	0.33%	1.39%	-0.62%
SHY	1-3 Year Treasury Bonds	0.11%	0.56%	0.33%
IEF	7-10 Year Treasury Bonds	0.38%	1.40%	-1.20%
TLT	20+ Year Treasury Bonds	0.99%	2.22%	-3.62%
TIP	TIPS Bonds	0.31%	1.24%	-0.11%
FLOT	Floating Rate Bonds	0.08%	0.59%	1.91%
LQD	Investment Grade Corporate	0.69%	1.72%	-0.78%
HYG	High Yield Corporate	0.53%	1.48%	1.73%
BKLN	Senior Loan	0.19%	0.65%	1.68%
PFF	Preferred & Income Securities	0.50%	1.89%	5.04%
MUB	Municipal Bonds	0.15%	0.21%	-0.18%
MBB	MBS	0.19%	1.64%	-0.86%
EMB	Dollar Denominated EM Bonds	0.41%	3.02%	2.01%
LEMB	Local Currency EM Bond	0.09%	0.21%	-1.62%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.32%	2.71%	1.12%
DBE	Energy	-0.09%	2.50%	6.93%
USO	WTI Crude Oil	0.28%	4.96%	16.29%
BNO	Brent Crude Oil	0.32%	5.15%	15.23%
UNG	Natural Gas	-4.08%	-11.26%	-29.24%
UGA	Gasoline	-0.16%	4.27%	15.14%
DBP	Precious Metals	0.54%	8.04%	5.63%
GLD	Gold	0.72%	8.03%	6.24%
SLV	Silver	0.76%	9.43%	3.35%
PPLT	abrdrn Physical Platin..	-0.55%	0.94%	-9.35%
PALL	abrdrn Physical Palla..	-0.51%	5.20%	-9.86%
DBB	Base Metals	0.34%	3.60%	-2.40%
CPER	Copper	0.12%	4.46%	3.77%
DBA	Agriculture	0.61%	9.94%	18.95%
CORN	Corn	-1.21%	1.03%	-9.41%
SOYB	Soybeans	-0.56%	4.08%	-7.33%
WEAT	Wheat	0.95%	-2.75%	-11.06%
CANE	Sugar	-0.97%	-2.42%	7.54%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.07%	1.00%	4.43%
UDN	Short Dollar	0.22%	-0.17%	-2.22%
FXE	Euro	-0.02%	0.00%	-1.38%
FXB	British Pound Sterling	0.16%	-0.05%	-0.06%
FXF	Swiss Franc	-0.12%	-2.80%	-7.02%
FXJ	Japanese Yen	0.18%	-0.50%	-6.93%
FXC	Canadian Dollar	0.14%	-0.10%	-1.74%
FXA	Australian Dollar	0.03%	-0.04%	-3.77%

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