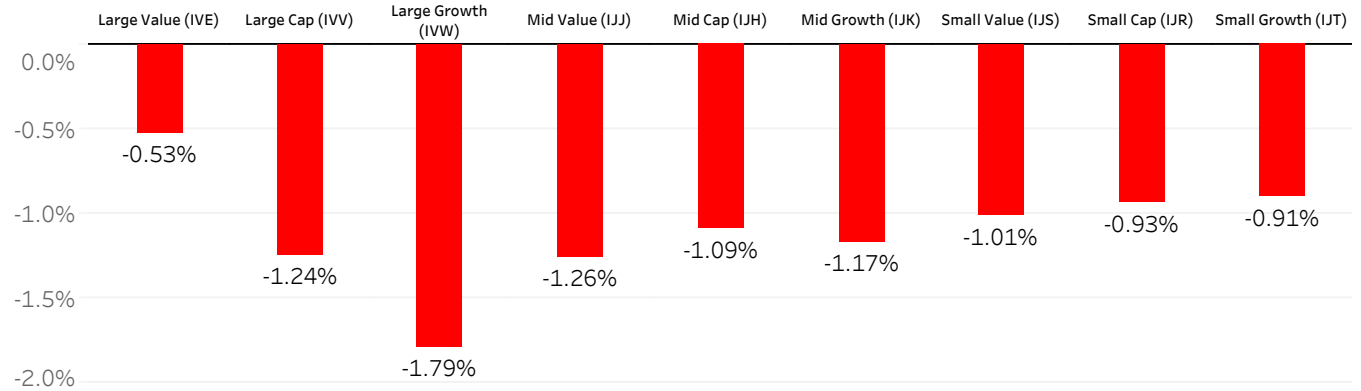


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	0.02%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-0.09%
GLRY	NORTHERN LIGHTS FUND TRUST IV INSPIRE MOMENTU..	-0.11%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	-0.15%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.18%
DURA	VanEck Durable High Dividend ETF	-0.26%
ABEQ	Absolute Select Value ETF	-0.26%
VFMV	Vanguard U.S. Minimum Volatility ETF	-0.35%
IWX	iShares Russell Top 200 Value ETF	-0.37%
HDV	iShares Core High Dividend ETF	-0.37%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	63.48
CSD	Invesco S&P Spin-Off ETF	44.77
SPMO	Invesco S&P 500 Momentum ETF	44.40
GLRY	NORTHERN LIGHTS FUND TRUST IV INSPIRE MOMENTUM ..	44.10
GRPM	Invesco S&P MidCap 400 GARP ETF	44.04
IVW	iShares S&P 500 Growth ETF	42.55
SPYG	SPDR Portfolio S&P 500 Growth ETF	42.51
VOOG	Vanguard S&P 500 Growth ETF	42.38
IUSG	iShares Core S&P U.S. Growth ETF	42.20
PTNQ	Pacer Trendpilot 100 ETF	42.14

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	-3.56%
BUZZ	VanEck Social Sentiment ETF	-2.89%
FPX	First Trust US Equity Opportunities ETF	-2.70%
QQH	HCM Defender 100 Index ETF	-2.35%
MMLG	First Trust Multi-Manager Large Growth ETF	-2.12%
FFTY	Innovator IBD 50 ETF	-2.05%
IWC	iShares Micro-Cap ETF	-2.04%
SCHG	Schwab U.S. Large-Cap Growth ETF	-1.96%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	-1.94%
MGK	Vanguard Mega Cap Growth ETF	-1.92%

Size & Style Most Oversold

Ticker	Fund	Value
HUSV	First Trust Horizon Managed Volatility Domestic ETF	28.11
USMV	iShares MSCI USA Min Vol Factor ETF	28.81
ALTL	Pacer Lunt Large Cap Alternator ETF	29.04
SPLV	Invesco S&P 500 Low Volatility ETF	29.33
VSMV	VictoryShares US Multi-Factor Minimum Volatility E..	29.79
SELV	SEI Enhanced Low Volatility U.S. Large Cap ETF	29.81
EDOW	First Trust Dow 30 Equal Weight ETF	29.86
DIA	SPDR Dow Jones Industrial Average ETF Trust	29.89
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	29.98
FTCS	First Trust Capital Strength ETF	30.18

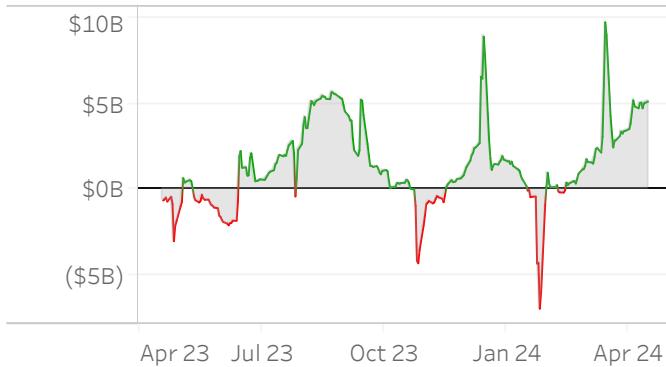
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

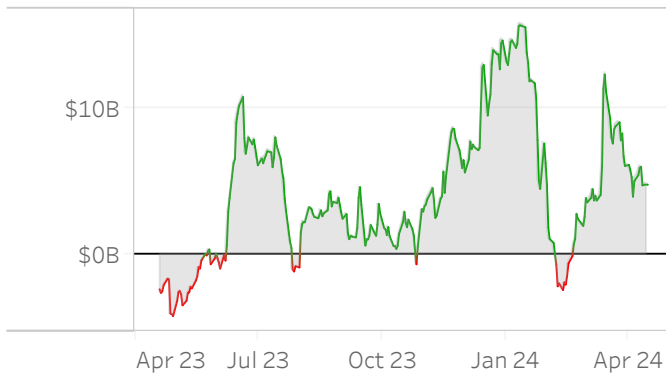
Large-Cap 30-Day Rolling Flows



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	\$1,839B	(\$9.60B)	\$36.56B	\$125.05B	\$194.90B
Large Cap, Beta, Beta: Growth	10	\$364B	\$1.16B	\$11.67B	\$18.63B	\$26.19B
Large Cap, Beta, Beta: Value	11	\$255B	\$0.09B	\$4.57B	\$8.48B	\$5.59B
Mid Cap, Beta, Beta	10	\$224B	\$0.57B	\$4.70B	\$4.56B	\$10.60B
Mid Cap, Beta, Beta: Growth	6	\$43B	\$0.06B	\$1.35B	\$2.10B	\$2.73B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.04B)	(\$1.27B)	(\$1.43B)	(\$2.92B)
Small Cap, Beta, Beta	11	\$231B	(\$1.01B)	\$1.60B	\$13.68B	\$21.12B
Small Cap, Beta, Beta: Growth	7	\$39B	(\$0.01B)	\$0.88B	\$2.33B	\$2.64B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.03B)	(\$0.64B)	\$0.41B	(\$0.98B)

U.S. Size & Style Flow Leaders

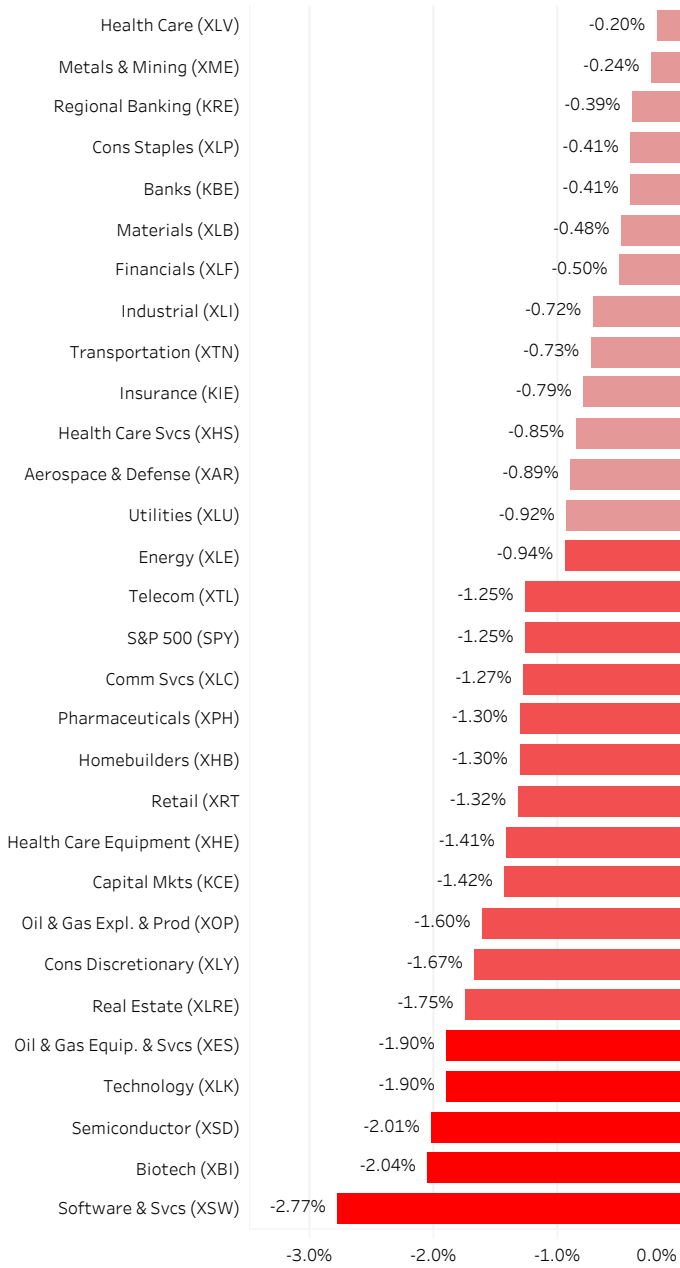
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$1.89B	\$24.76B	\$39.12B	\$65.43B	\$430.20B
VUG	Vanguard Growth ETF	\$1.43B	\$4.55B	\$6.32B	\$6.96B	\$119.37B
VTI	Vanguard Total Stock Market ETF	\$0.63B	\$8.06B	\$16.08B	\$27.70B	\$380.45B
IWR	iShares Russell Midcap ETF	\$0.48B	\$1.00B	\$0.98B	\$1.13B	\$32.94B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.23B	\$0.35B	(\$0.01B)	(\$2.06B)	\$10.36B
IUSV	iShares Core S&P US Value ETF	\$0.21B	\$0.70B	\$0.99B	\$1.00B	\$16.54B
JEPQ	JPMorgan NASDAQ Equity Premium Income E..	\$0.17B	\$2.87B	\$5.11B	\$8.85B	\$12.13B
AVLV	Avantis U.S. Large Cap Value ETF	\$0.17B	\$0.94B	\$1.35B	\$1.95B	\$3.27B
COWZ	Pacer US Cash Cows 100 ETF	\$0.17B	\$2.43B	\$4.82B	\$6.36B	\$22.68B
PRF	Invesco FTSE RAFI US 1000 ETF	\$0.14B	\$0.04B	(\$0.02B)	(\$0.10B)	\$6.84B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust Series I	(\$2.38B)	\$4.88B	\$8.12B	\$16.90B	\$254.17B
IWM	iShares Russell 2000 ETF	(\$1.01B)	(\$4.05B)	\$2.99B	\$4.41B	\$60.86B
IWF	iShares Russell 1000 Growth ETF	(\$0.30B)	(\$0.56B)	\$0.64B	\$1.24B	\$89.10B
IWD	iShares Russell 1000 Value ETF	(\$0.24B)	(\$1.36B)	(\$1.08B)	(\$3.01B)	\$54.55B
IVW	iShares S&P 500 Growth ETF	(\$0.19B)	\$2.99B	\$2.62B	\$4.38B	\$43.84B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.19B)	\$3.15B	\$9.20B	\$16.08B	\$54.73B
SCHD	Schwab US Dividend Equity ETF	(\$0.16B)	\$1.27B	\$2.15B	\$4.46B	\$53.65B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.10B)	(\$3.91B)	(\$7.40B)	(\$8.13B)	\$23.79B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.09B)	(\$0.04B)	\$0.16B	(\$0.49B)	\$21.26B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.08B)	(\$1.16B)	(\$1.39B)	(\$2.75B)	\$7.12B

* 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	-2.91%	24.34%	5.83%	9.40%	57.84
XLC	Communication Services Select Sector SPDR Fund	-3.03%	39.39%	-0.01%	11.66%	43.87
XLI	Industrial Select Sector SPDR Fund	-3.13%	26.52%	0.26%	10.09%	42.60
SPY	SPDR S&P 500 ETF Trust	-3.58%	24.52%	-1.24%	8.16%	38.01
XLB	Materials Select Sector SPDR Fund	-3.84%	20.19%	0.74%	7.44%	40.50
XLK	Technology Select Sector SPDR Fund	-4.50%	36.59%	-2.38%	8.59%	40.23
XLF	Financial Select Sector SPDR Fund	-5.37%	26.74%	-1.73%	9.08%	34.55
XLP	Consumer Staples Select Sector SPDR Fund	-5.70%	10.36%	-2.15%	1.21%	30.95
XLY	Consumer Discretionary Select Sector SPDR Fund	-5.87%	20.72%	-3.48%	1.54%	35.87
XLV	Health Care Select Sector SPDR Fund	-6.24%	12.58%	-4.39%	1.96%	27.95
XLU	Utilities Select Sector SPDR Fund	-8.29%	13.21%	0.88%	1.38%	44.09
XLRE	Real Estate Select Sector SPDR Fund	-9.65%	13.67%	-5.47%	-1.98%	31.94

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWB	Invesco KBW Bank ETF	0.26%
IHF	iShares U.S. Healthcare Providers ETF	-0.04%
FTXO	First Trust Nasdaq Bank ETF	-0.07%
KBWR	Invesco KBW Regional Banking ETF	-0.08%
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-0.12%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ..	-0.16%
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.17%
IYK	iShares U.S. Consumer Staples ETF	-0.19%
IHE	iShares U.S. Pharmaceuticals ETF	-0.19%
XLV	Health Care Select Sector SPDR Fund	-0.20%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	59.59
FTXN	First Trust Nasdaq Oil & Gas ETF	58.52
XLE	Energy Select Sector SPDR Fund	57.84
XME	SPDR S&P Metals & Mining ETF	57.66
FENY	Fidelity MSCI Energy Index ETF	57.53
FCG	First Trust Natural Gas ETF	57.48
IYE	iShares U.S. Energy ETF	57.39
VDE	Vanguard Energy ETF	57.08
PXE	Invesco Energy Exploration & Production ETF	56.71
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	56.69

Sector & Industry 1 Day Performance Laggards

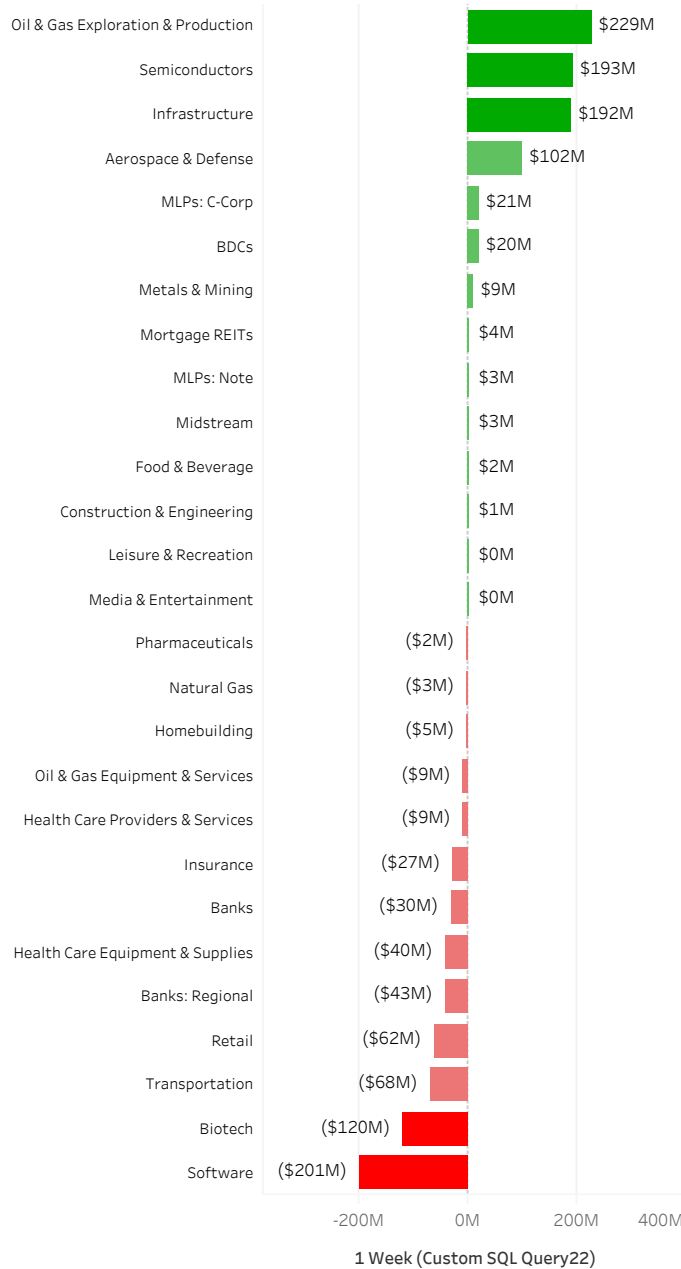
Ticker	Fund	1 Day Performance
XSW	SPDR S&P Software & Services ETF	-2.77%
IGV	iShares Expanded Tech-Software Sector ETF	-2.75%
FDN	First Trust Dow Jones Internet Index Fund	-2.67%
PTF	Invesco Dorsey Wright Technology Momentum ETF	-2.65%
PNQI	Invesco NASDAQ Internet ETF	-2.24%
FXL	First Trust Technology AlphaDEX Fund	-2.19%
IETC	iShares U.S. Tech Independence Focused ETF	-2.15%
FTEC	Fidelity MSCI Information Technology Index ETF	-2.14%
IYW	iShares U.S. Technology ETF	-2.10%
IGM	iShares Expanded Tech Sector ETF	-2.05%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHE	iShares U.S. Pharmaceuticals ETF	25.18
XPH	SPDR S&P Pharmaceuticals ETF	26.93
XLV	Health Care Select Sector SPDR Fund	27.95
VHT	Vanguard Health Care ETF	28.05
IYK	iShares U.S. Consumer Staples ETF	28.14
KIE	SPDR S&P Insurance ETF	28.17
IYZ	iShares U.S. Telecommunications ETF	28.20
FHLC	Fidelity MSCI Health Care Index ETF	28.21
IHF	iShares U.S. Healthcare Providers ETF	28.29
IYH	iShares U.S. Healthcare ETF	28.39

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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	(\$719M)	\$252M	\$965M	\$2,652M
Consumer Discretionary	12	\$30B	(\$271M)	\$1,244M	\$1,549M	\$3,015M
Consumer Staples	10	\$24B	(\$381M)	(\$1,681M)	(\$4,424M)	(\$5,662M)
Energy	30	\$80B	\$606M	\$989M	(\$97M)	(\$2,944M)
Financials	26	\$64B	\$561M	(\$1,263M)	\$857M	(\$1,624M)
Health Care	23	\$87B	(\$561M)	(\$1,997M)	(\$4,007M)	(\$7,230M)
Industrial	13	\$41B	\$221M	\$2,130M	\$2,045M	\$3,219M
Materials	9	\$13B	\$250M	\$7M	(\$737M)	(\$2,800M)
Multi-Sector	16	\$23B	\$162M	\$1,404M	\$1,333M	\$3,562M
Real Estate	25	\$58B	(\$240M)	\$956M	\$3,156M	\$2,515M
Technology	23	\$195B	\$169M	\$5,282M	\$10,711M	\$12,010M
Utilities	9	\$19B	(\$285M)	(\$2,855M)	(\$3,434M)	(\$4,188M)

U.S. Sector & Industry Flow Leaders

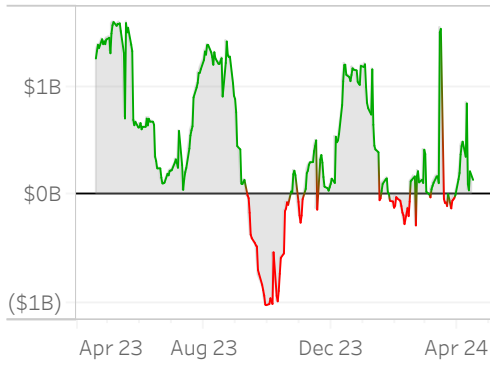
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IAI	iShares U.S. Broker-Dealers & Securities Excha..	\$352M	\$617M	\$606M	\$288M	\$1,051M
XLE	Energy Select Sector SPDR Fund	\$316M	\$421M	(\$335M)	(\$2,308M)	\$41,271M
XLF	Financial Select Sector SPDR Fund	\$290M	\$191M	\$892M	\$30M	\$37,152M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$199M	\$266M	\$578M	\$60M	\$4,413M
XLB	Materials Select Sector SPDR Fund	\$192M	(\$124M)	(\$255M)	(\$567M)	\$5,847M
SOXX	iShares Semiconductor ETF	\$178M	\$498M	\$733M	\$834M	\$12,558M
PAVE	Global X U.S. Infrastructure Development ETF	\$157M	\$1,099M	\$994M	\$1,773M	\$7,424M
VGT	Vanguard Information Technology ETF	\$94M	\$1,690M	\$2,619M	\$2,586M	\$64,885M
XLI	Industrial Select Sector SPDR Fund	\$85M	\$1,371M	\$842M	\$1,905M	\$18,177M
ITA	iShares U.S. Aerospace & Defense ETF	\$78M	(\$204M)	\$52M	(\$512M)	\$5,999M

U.S. Sector & Industry Flow Laggards

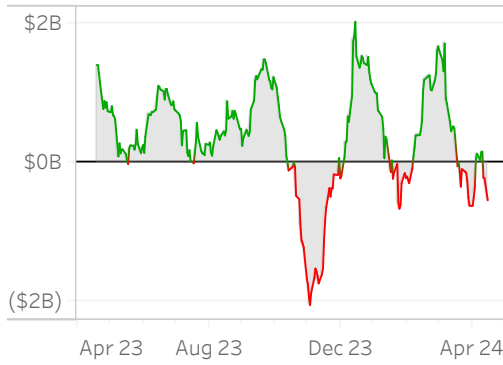
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLC	Communication Services Select Sector SPDR Fu..	(\$688M)	\$131M	\$1,004M	\$2,281M	\$17,961M
XLP	Consumer Staples Select Sector SPDR Fund	(\$378M)	(\$1,311M)	(\$3,125M)	(\$2,888M)	\$14,094M
XLV	Health Care Select Sector SPDR Fund	(\$320M)	(\$1,095M)	(\$2,716M)	(\$2,898M)	\$38,041M
XLU	Utilities Select Sector SPDR Fund	(\$273M)	(\$2,775M)	(\$2,700M)	(\$3,100M)	\$11,749M
IGV	iShares Expanded Tech-Software Sector ETF	(\$201M)	(\$1,256M)	(\$1,086M)	(\$1,043M)	\$6,445M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$184M)	\$1,013M	\$1,495M	\$2,364M	\$19,672M
VNQ	Vanguard Real Estate ETF	(\$106M)	\$794M	\$414M	\$96M	\$32,025M
XBI	SPDR S&P BIOTECH ETF	(\$99M)	(\$215M)	\$191M	(\$528M)	\$6,722M
XLRE	Real Estate Select Sector SPDR Fund	(\$95M)	\$203M	\$1,145M	\$1,201M	\$5,667M
IYR	iShares U.S. Real Estate ETF	(\$82M)	(\$246M)	\$1,243M	\$735M	\$3,906M

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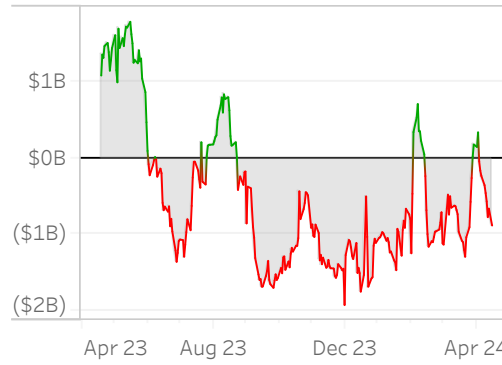
Communication Services



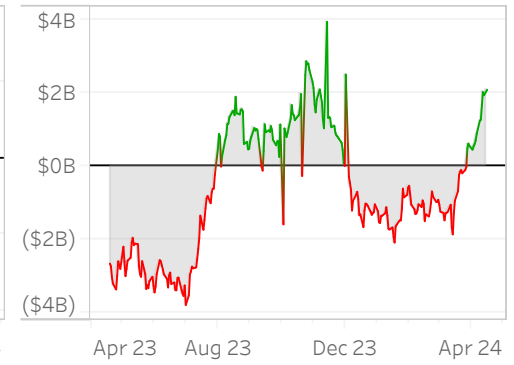
Consumer Discretionary



Consumer Staples



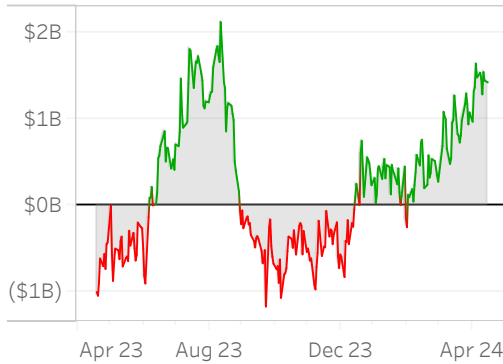
Energy



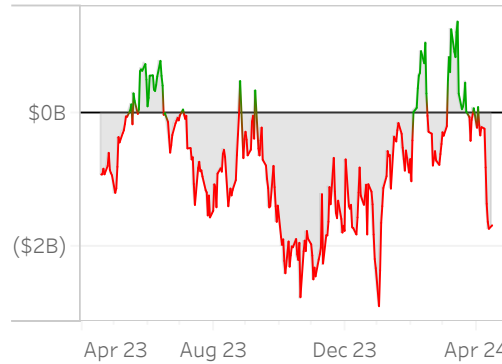
Financials



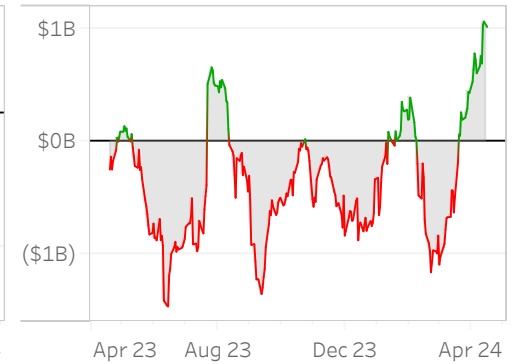
Industrial



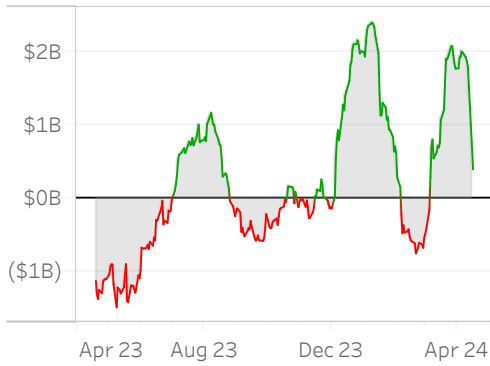
Health Care



Materials



Real Estate



Technology



Utilities

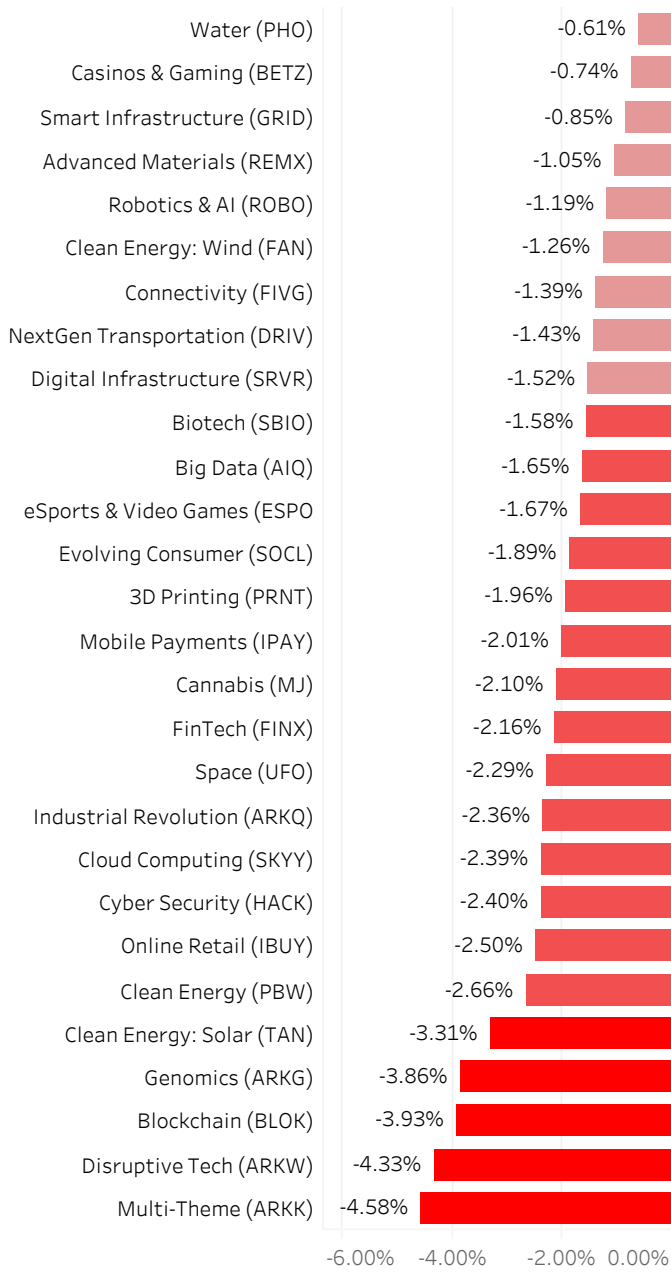


Multi-Sector

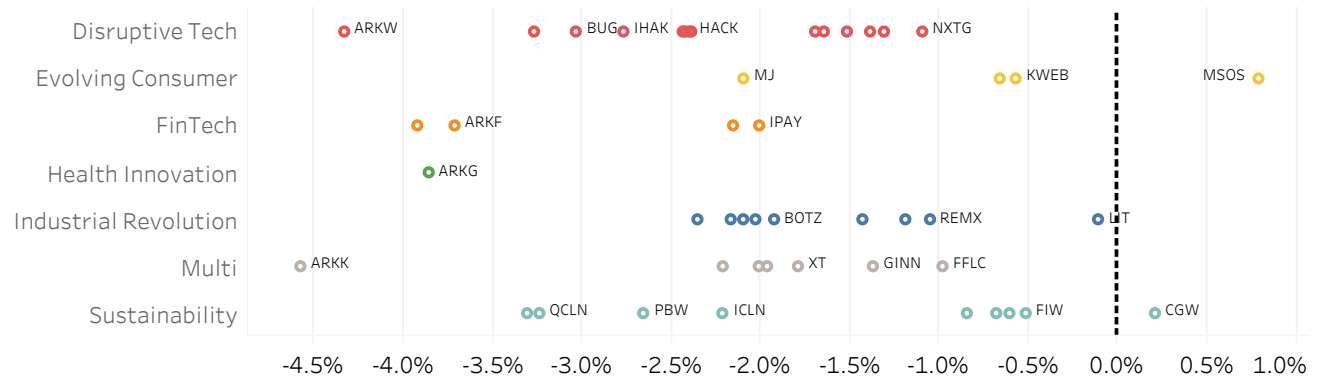


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	0.78%
KGRN	KraneShares MSCI China Clean Technology Index ETF	0.66%
MJUS	Amplify U.S. Alternative Harvest ETF	0.45%
CGW	Invesco S&P Global Water Index ETF	0.21%
LIT	Global X Lithium & Battery Tech ETF	-0.11%
EBLU	Ecofin Global Water ESG Fund	-0.34%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-0.38%
EVX	VanEck Environmental Services ETF	-0.39%
FIW	First Trust Water ETF	-0.52%
KLDW	Knowledge Leaders Developed World ETF	-0.52%

Thematic Most Overbought

Ticker	Fund	Value
REMX	VanEck Rare Earth/Strategic Metals ETF	48.15
KWEB	KraneShares CSI China Internet ETF	45.00
MSOS	AdvisorShares Pure US Cannabis ETF	44.94
MJ	Amplify Alternative Harvest ETF	44.67
BATT	Amplify Lithium & Battery Technology ETF	43.82
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	43.72
LIT	Global X Lithium & Battery Tech ETF	43.36
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	43.10
SAMT	Strategas Macro Thematic Opportunities ETF	43.07
MJUS	Amplify U.S. Alternative Harvest ETF	42.96

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
CRPT	First Trust SkyBridge Crypto Industry & Digital Econo..	-6.58%
DAPP	VanEck Digital Transformation ETF	-6.06%
BKCH	Global X Blockchain ETF	-5.92%
BITQ	Bitwise Crypto Industry Innovators ETF	-5.88%
WGMI	Valkyrie Bitcoin Miners ETF	-4.98%
ARKK	ARK Innovation ETF	-4.58%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-4.40%
ARKW	ARK Next Generation Internet ETF	-4.33%
BLOK	Amplify Transformational Data Sharing ETF	-3.93%
ARKG	ARK Genomic Revolution ETF	-3.86%

Thematic Most Oversold

Ticker	Fund	Value
SRVR	Pacer Data & Infrastructure Real Estate ETF	25.29
IZRL	ARK Israel Innovative Technology ETF	26.72
DTCR	Global X Data Center And Digital Infrastructure ETF	26.96
IHAK	iShares Cybersecurity & Tech ETF	27.16
PAWZ	ProShares Pet Care ETF	28.68
ARKG	ARK Genomic Revolution ETF	29.09
BUG	Global X Cybersecurity ETF	29.12
CLOU	Global X Cloud Computing ETF	29.13
GNOM	Global X Genomics & Biotechnology ETF	29.71
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	30.22

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
AIQ	Global X Artificial Intelligence & Technology ETF	\$40M
FFLC	Fidelity Fundamental Large Cap Core ETF	\$16M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$11M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M
QTUM	Defiance Quantum ETF	\$6M
LIT	Global X Lithium & Battery Tech ETF	\$6M
MSOS	AdvisorShares Pure US Cannabis ETF	\$5M
FIW	First Trust Water ETF	\$5M
DAPP	VanEck Digital Transformation ETF	\$5M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$3M

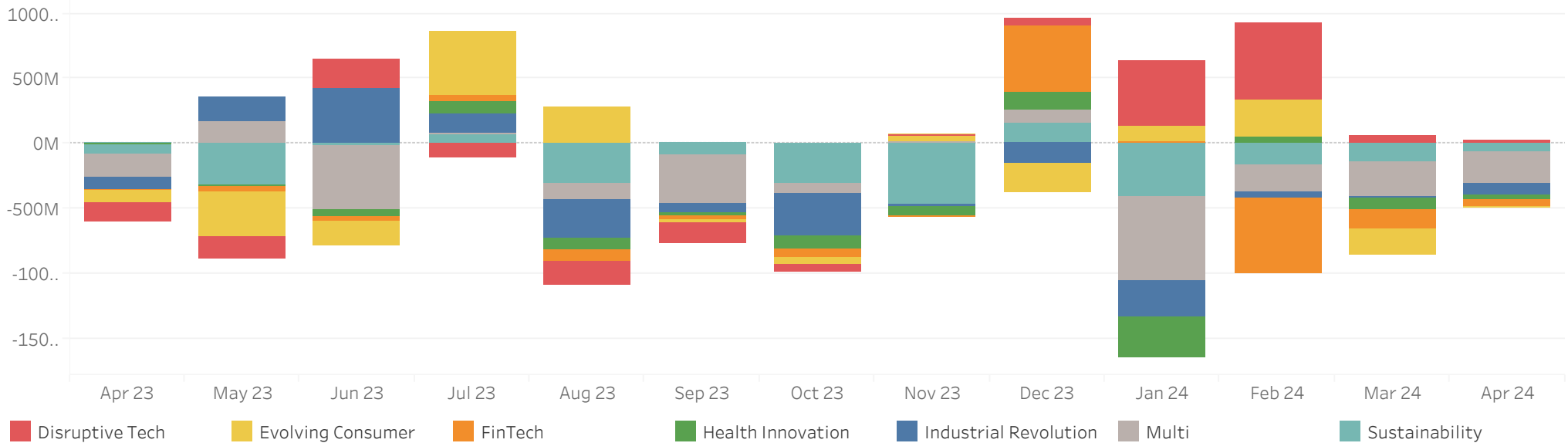
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$51M)
CLOU	Global X Cloud Computing ETF	(\$37M)
ARKK	ARK Innovation ETF	(\$35M)
ARKG	ARK Genomic Revolution ETF	(\$33M)
GBUY	Goldman Sachs Future Consumer Equity ETF	(\$32M)
ARKW	ARK Next Generation Internet ETF	(\$24M)
ICLN	iShares Global Clean Energy ETF	(\$20M)
TAN	Invesco Solar ETF	(\$17M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$10M)
METV	Roundhill Ball Metaverse ETF	(\$8M)

Thematic Landscape Assets & Flows

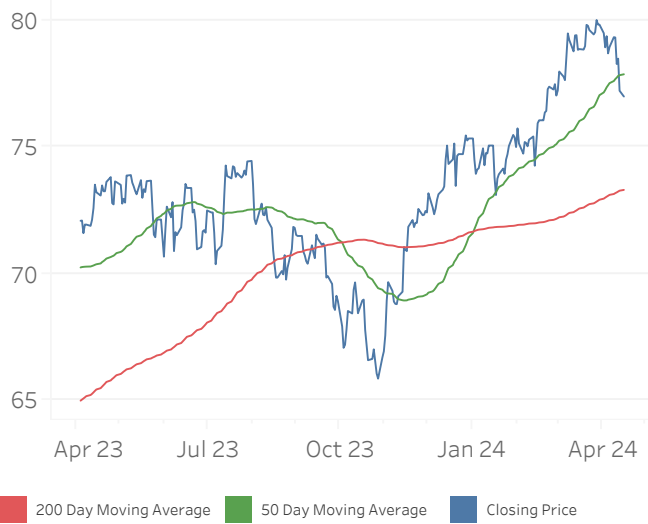
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$20B	(\$25M)	\$1,106M	\$1,175M	\$644M
Evolving Consumer	34	\$9B	(\$43M)	\$224M	(\$44M)	\$120M
FinTech	17	\$3B	(\$7M)	(\$873M)	(\$264M)	(\$504M)
Health Innovation	17	\$2B	(\$17M)	(\$286M)	(\$416M)	(\$514M)
Industrial Revolution	29	\$10B	(\$28M)	(\$284M)	(\$733M)	(\$616M)
Multi	33	\$15B	(\$76M)	(\$963M)	(\$1,330M)	(\$2,309M)
Sustainability	39	\$12B	(\$37M)	(\$581M)	(\$1,287M)	(\$2,145M)
Grand Total	202	\$70B	(\$233M)	(\$1,658M)	(\$2,899M)	(\$5,323M)

Thematic Monthly Flows

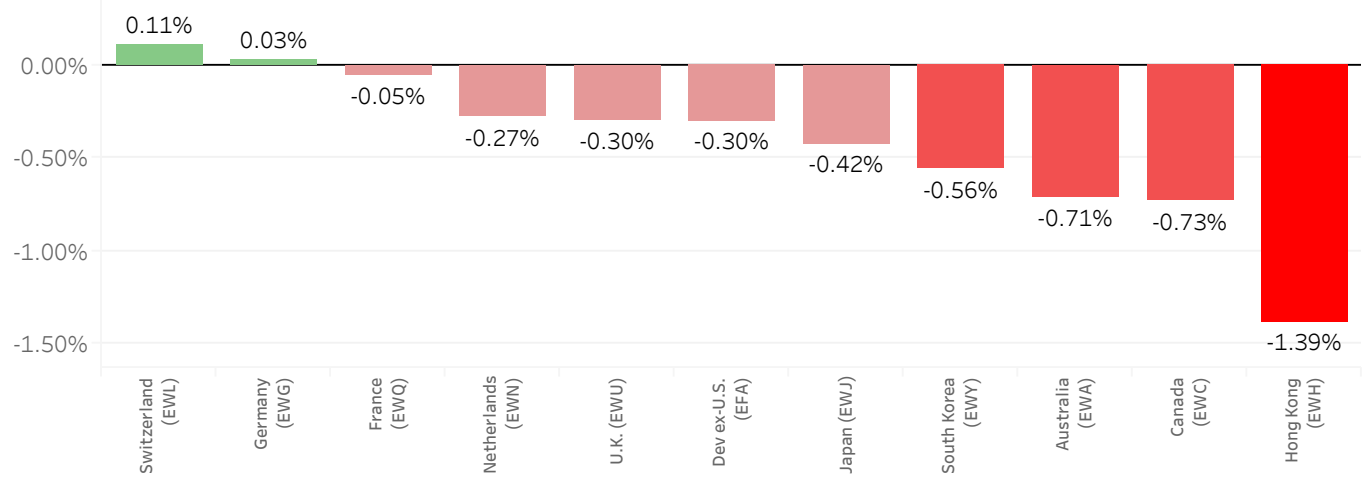


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

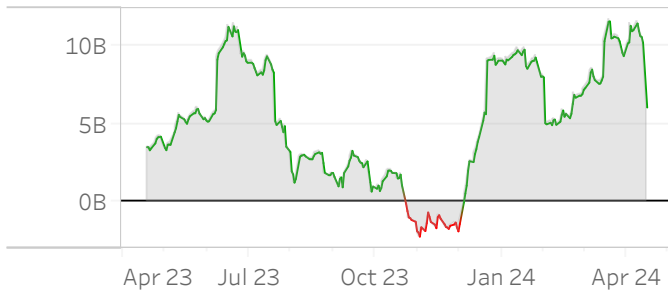
Developed ex-U.S. (EFA)



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



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



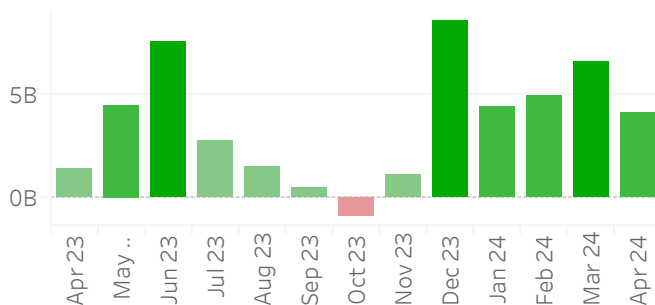
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
FSZ	First Trust Switzerland AlphaDEX Fund	0.85%
FJP	First Trust Japan AlphaDEX Fund	0.55%
EWD	iShares MSCI Sweden ETF	0.54%
DXJ	WisdomTree Japan Hedged Equity Fund	0.49%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.48%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.36%
PIZ	Invesco Dorsey Wright Developed Markets Momentum ETF	0.30%
FLJH	Franklin FTSE Japan Hedged ETF Franklin FTSE Japan Hedge..	0.26%
JHMD	John Hancock Multifactor Developed International ETF	0.21%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.18%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	58.34
DXJ	WisdomTree Japan Hedged Equity Fund	57.97
FLJH	Franklin FTSE Japan Hedged ETF Franklin FTSE Japan Hed..	53.58
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	52.78
HEWJ	iShares Currency Hedged MSCI Japan ETF	52.02
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	50.62
EWJV	iShares MSCI Japan Value ETF	49.99
FJP	First Trust Japan AlphaDEX Fund	49.73
DDLS	WisdomTree Dynamic Currency Hedged International Sma..	48.68
NORW	Global X MSCI Norway ETF	48.36

Developed ex-U.S. Monthly Flows



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

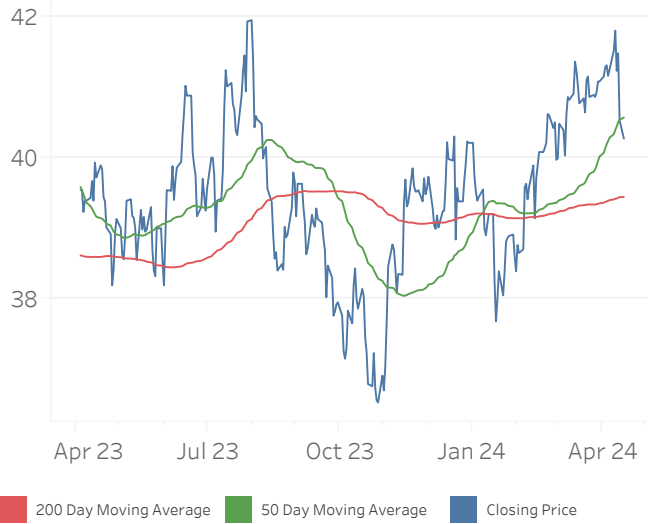
Ticker	Fund	Performance
EWH	iShares MSCI Hong Kong ETF	-1.39%
NORW	Global X MSCI Norway ETF	-1.32%
IDHQ	Invesco S&P International Developed High Quality ETF	-1.31%
GREK	Global X MSCI Greece ETF	-1.29%
EWS	iShares MSCI Singapore ETF	-1.21%
ISRA	VanEck Israel ETF	-1.19%
EWO	iShares MSCI Austria ETF	-1.17%
MINV	Matthews Asia Innovators Active ETF	-1.03%
AIA	iShares Asia 50 ETF	-0.96%
TOK	iShares MSCI Kokusai ETF	-0.92%

Developed ex-U.S. Most Oversold

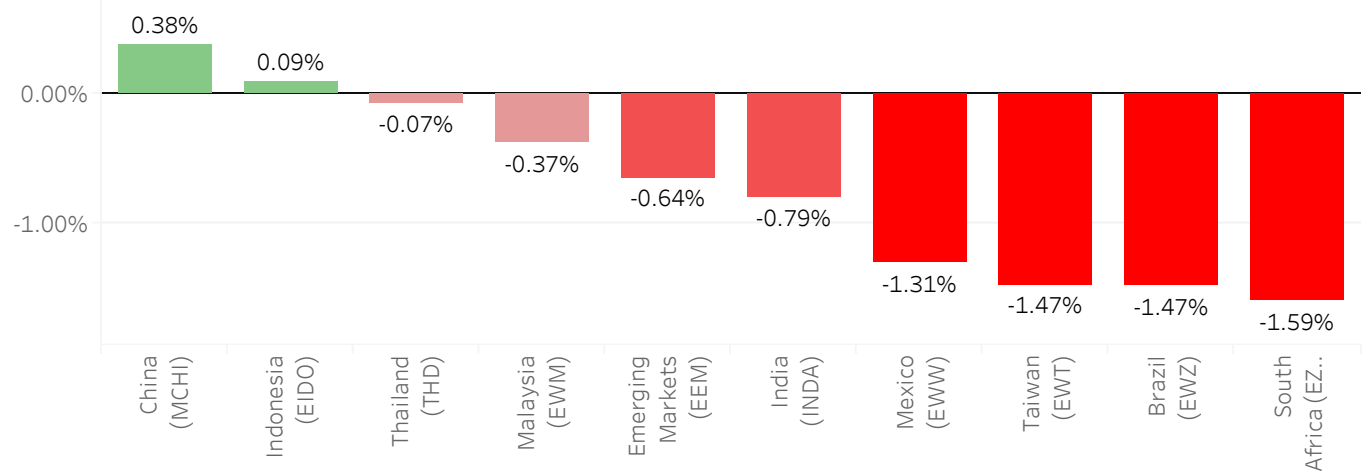
Ticker	Fund	Value
BKCI	BNY Mellon Concentrated International ETF	27.49
EUDG	WisdomTree Europe Quality Dividend Growth Fund	28.11
IDLV	Invesco S&P International Developed Low Volatility ..	28.21
FICS	First Trust International Developed Capital Strengt..	28.90
EFAD	ProShares MSCI EAFE Dividend Growers ETF	29.23
EFV	iShares MSCI EAFE Min Vol Factor ETF	29.65
EWH	iShares MSCI Hong Kong ETF	30.32
ISRA	VanEck Israel ETF	30.79
TPIF	Timothy Plan International ETF	30.90
TTAI	FCF International Quality ETF	31.55

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

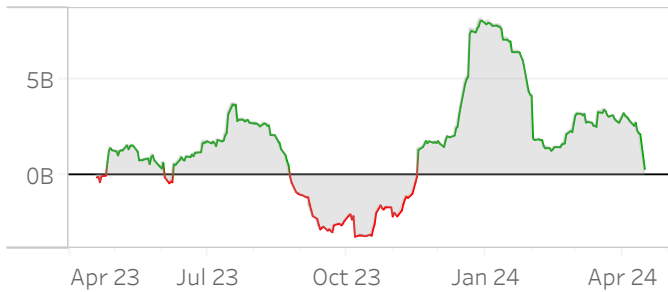
Emerging (EEM)



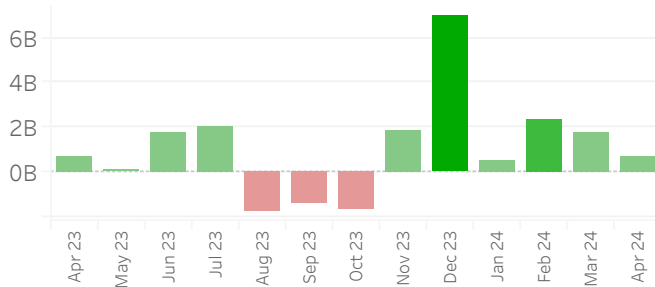
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
KBA	KraneShares Boserá MSCI China A 50 Connect Index ETF	2.60%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	2.46%
CNYA	iShares MSCI China A ETF	2.42%
TUR	iShares MSCI Turkey ETF	0.52%
QAT	iShares MSCI Qatar ETF	0.46%
FLCH	Franklin FTSE China ETF	0.45%
MCHI	iShares MSCI China ETF	0.38%
FXI	iShares China Large-Cap ETF	0.34%
GXC	SPDR S&P China ETF	0.32%
KSA	iShares MSCI Saudi Arabia ETF	0.25%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	60.13
EPU	iShares MSCI Peru and Global Exposure ETF	54.34
KBA	KraneShares Boserá MSCI China A 50 Connect Index E..	54.22
EYLD	Cambria Emerging Shareholder Yield ETF	52.36
PIE	Invesco Dorsey Wright Emerging Markets Momentu..	51.94
CNYA	iShares MSCI China A ETF	51.55
SMIN	iShares MSCI India Small Cap ETF	51.39
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	50.57
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	50.33
EPI	WisdomTree India Earnings Fund	50.21

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.22%
EPHE	iShares MSCI Philippines ETF	-2.15%
ECH	iShares MSCI Chile ETF	-2.09%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-2.05%
FLN	First Trust Latin America AlphaDEX Fund	-1.76%
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	-1.59%
EZA	iShares MSCI South Africa ETF	-1.59%
ILF	iShares Latin America 40 ETF	-1.48%
EWZ	iShares MSCI Brazil ETF	-1.47%
FLLA	Franklin FTSE Latin America ETF	-1.47%

Emerging Most Oversold

Ticker	Fund	Value
EPHE	iShares MSCI Philippines ETF	24.90
VNM	VanEck Vietnam ETF	27.19
KWT	iShares MSCI Kuwait ETF	31.24
EWZS	iShares MSCI Brazil Small-Cap ETF	31.86
EIDO	iShares MSCI Indonesia ETF	31.92
FLN	First Trust Latin America AlphaDEX Fund	32.79
FLLA	Franklin FTSE Latin America ETF	34.07
FM	iShares Frontier and Select EM ETF	34.67
EWZ	iShares MSCI Brazil ETF	34.75
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	35.09

* 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	-0.60%	-1.48%	-3.04%
SHY	1-3 Year Treasury Bonds	-0.04%	-0.05%	-0.13%
IEF	7-10 Year Treasury Bonds	-0.64%	-1.77%	-4.08%
TLT	20+ Year Treasury Bonds	-1.55%	-4.03%	-9.23%
TIP	TIPS Bonds	-0.32%	-0.45%	-1.53%
FLOT	Floating Rate Bonds	0.01%	0.51%	2.17%
LQD	Investment Grade Corporate	-1.10%	-2.34%	-4.17%
HYG	High Yield Corporate	-0.58%	-0.97%	-0.33%
BKLN	Senior Loan	0.00%	0.03%	1.54%
PFF	Preferred & Income Securities	-1.71%	-3.85%	0.03%
MUB	Municipal Bonds	-0.16%	-0.91%	-1.13%
MBB	MBS	-0.83%	-1.80%	-3.71%
EMB	Dollar Denominated EM Bonds	-1.16%	-1.16%	-1.15%
LEMB	Local Currency EM Bond	-0.65%	-2.37%	-3.59%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.59%	4.93%	7.07%
DBE	Energy	-0.23%	4.35%	11.88%
USO	WTI Crude Oil	0.15%	6.97%	22.51%
BNO	Brent Crude Oil	0.03%	7.09%	21.68%
UNG	Natural Gas	-5.04%	-6.54%	-30.28%
UGA	Gasoline	-0.11%	3.60%	20.20%
DBP	Precious Metals	2.03%	11.47%	16.91%
GLD	Gold	1.87%	10.64%	15.58%
SLV	Silver	3.04%	14.68%	21.26%
PPLT	abrdrn Physical Platin..	-0.58%	3.49%	-1.96%
PALL	abrdrn Physical Palla..	-1.59%	-4.31%	-6.10%
DBB	Base Metals	1.44%	8.63%	7.98%
CPER	Copper	2.40%	6.38%	13.30%
DBA	Agriculture	0.90%	8.77%	23.72%
CORN	Corn	-0.50%	-0.65%	-8.11%
SOYB	Soybeans	-0.56%	-1.94%	-8.30%
WEAT	Wheat	-0.75%	4.12%	-11.06%
CANE	Sugar	-1.30%	-8.45%	-2.06%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.17%	3.25%	6.64%
UDN	Short Dollar	-0.21%	-2.52%	-3.95%
FXE	Euro	-0.09%	-2.22%	-3.07%
FXB	British Pound Sterling	0.04%	-2.00%	-1.41%
FXF	Swiss Franc	0.18%	-3.15%	-7.76%
FXJ	Japanese Yen	-0.63%	-3.38%	-8.74%
FXC	Canadian Dollar	-0.09%	-1.58%	-3.19%
FXA	Australian Dollar	-0.23%	-1.66%	-4.99%

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