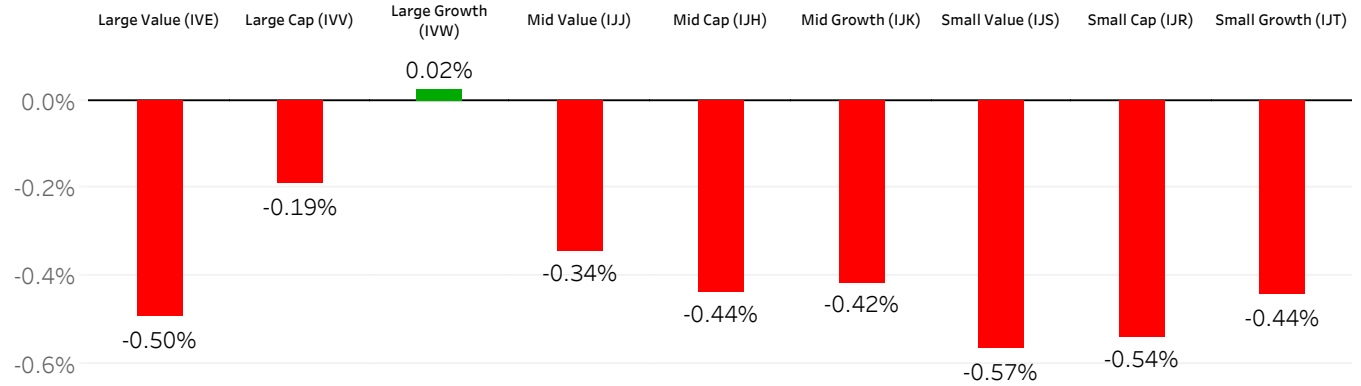


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
MMLG	First Trust Multi-Manager Large Growth ETF	0.51%
MTUM	iShares MSCI USA Momentum Factor ETF	0.50%
FPX	First Trust US Equity Opportunities ETF	0.32%
VEGN	US Vegan Climate ETF	0.29%
FTC	First Trust Large Cap Growth AlphaDEX Fund	0.26%
DRUP	GraniteShares Nasdaq Select Disruptors ETF	0.25%
QGRO	American Century U.S. Quality Growth ETF	0.25%
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	0.24%
PWB	Invesco Large Cap Growth ETF	0.24%
FFTY	Innovator IBD 50 ETF	0.23%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	57.44
SPMO	Invesco S&P 500 Momentum ETF	44.10
MTUM	iShares MSCI USA Momentum Factor ETF	43.03
CSD	Invesco S&P Spin-Off ETF	42.80
IVW	iShares S&P 500 Growth ETF	42.69
SPYG	SPDR Portfolio S&P 500 Growth ETF	42.66
MMLG	First Trust Multi-Manager Large Growth ETF	42.52
VOOG	Vanguard S&P 500 Growth ETF	42.34
IUSG	iShares Core S&P U.S. Growth ETF	42.20
GLRY	NORTHERN LIGHTS FUND TRUST IV INSPIRE MOMENTUM ..	42.12

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	-1.22%
SPVU	Invesco S&P 500 Enhanced Value ETF	-1.17%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-1.17%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-1.03%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	-0.97%
IMCV	iShares Morningstar Mid-Cap Value ETF	-0.96%
RPV	Invesco S&P 500 Pure Value ETF	-0.92%
SPDV	AAM S&P 500 High Dividend Value ETF	-0.91%
DVY	iShares Select Dividend ETF	-0.91%
CDL	VictoryShares US Large Cap High Dividend Volatility Wt..	-0.90%

Size & Style Most Oversold

Ticker	Fund	Value
HUSV	First Trust Horizon Managed Volatility Domestic ETF	27.09
ALTL	Pacer Lunt Large Cap Alternator ETF	27.58
VSMV	VictoryShares US Multi-Factor Minimum Volatility E..	27.83
SELV	SEI Enhanced Low Volatility U.S. Large Cap ETF	28.28
SPLV	Invesco S&P 500 Low Volatility ETF	28.34
FVD	First Trust Value Line Dividend Index Fund	28.38
USMV	iShares MSCI USA Min Vol Factor ETF	28.44
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	28.75
FDLO	Fidelity Low Volatility Factor ETF	29.59
FLLV	Franklin U.S. Low Volatility ETF Franklin Liberty US L..	29.71

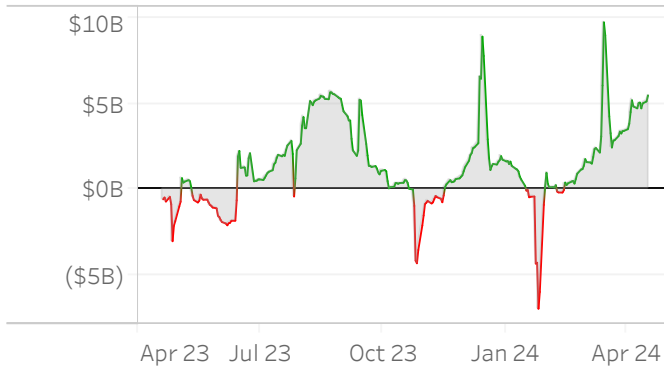
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

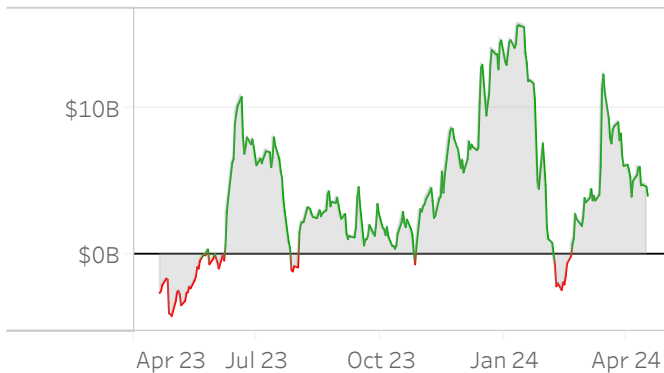
Large-Cap 30-Day Rolling Flows



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	(\$2.46B)	\$42.26B	\$130.35B	\$200.29B
Large Cap, Beta, Beta: Growth	10	\$358B	\$0.83B	\$11.47B	\$18.27B	\$26.14B
Large Cap, Beta, Beta: Value	11	\$253B	(\$0.10B)	\$4.70B	\$8.44B	\$5.47B
Mid Cap, Beta, Beta	10	\$221B	\$0.56B	\$4.95B	\$4.77B	\$10.87B
Mid Cap, Beta, Beta: Growth	6	\$43B	\$0.05B	\$1.38B	\$2.14B	\$2.72B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.09B)	(\$1.34B)	(\$1.41B)	(\$2.96B)
Small Cap, Beta, Beta	11	\$227B	(\$1.44B)	\$1.62B	\$13.49B	\$21.12B
Small Cap, Beta, Beta: Growth	7	\$38B	\$0.02B	\$0.97B	\$2.28B	\$2.59B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.06B)	(\$0.62B)	\$0.37B	(\$1.02B)

U.S. Size & Style Flow Leaders

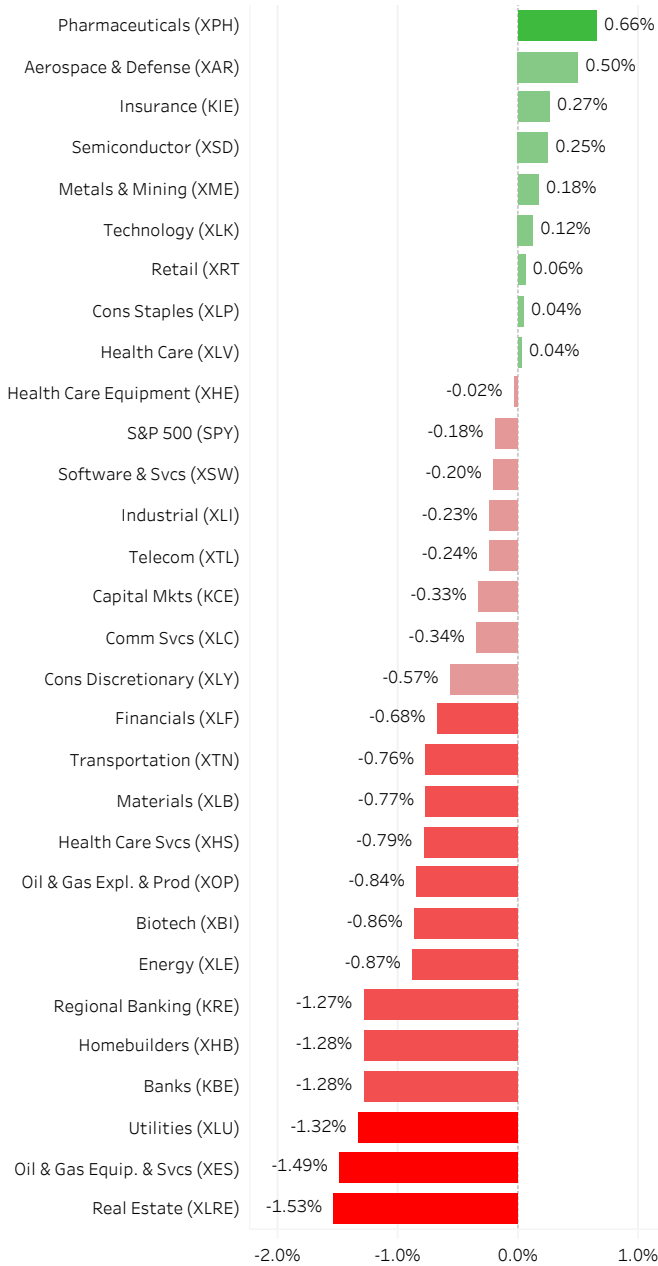
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$2.21B	\$24.87B	\$39.79B	\$65.93B	\$425.68B
VUG	Vanguard Growth ETF	\$1.07B	\$4.50B	\$6.29B	\$6.97B	\$117.16B
IVV	iShares Core S&P 500 ETF	\$0.64B	\$4.15B	\$24.86B	\$51.08B	\$435.17B
VTI	Vanguard Total Stock Market ETF	\$0.44B	\$8.10B	\$16.07B	\$27.64B	\$375.73B
VO	Vanguard Mid-Cap ETF	\$0.25B	\$1.47B	\$2.43B	\$3.68B	\$62.07B
IWR	iShares Russell Midcap ETF	\$0.25B	\$1.05B	\$0.98B	\$1.11B	\$32.52B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.24B	\$4.96B	\$9.41B	\$11.79B	\$33.04B
IUSV	iShares Core S&P US Value ETF	\$0.22B	\$0.73B	\$1.03B	\$1.01B	\$16.46B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.20B	\$0.37B	\$0.01B	(\$2.04B)	\$10.19B
AVLV	Avantis U.S. Large Cap Value ETF	\$0.18B	\$0.95B	\$1.36B	\$1.95B	\$3.26B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.46B)	(\$4.04B)	\$2.85B	\$4.41B	\$59.59B
QQQ	Invesco QQQ Trust Series I	(\$0.66B)	\$5.35B	\$8.35B	\$17.17B	\$250.41B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.51B)	\$2.92B	\$8.95B	\$15.85B	\$54.01B
IWD	iShares Russell 1000 Value ETF	(\$0.46B)	(\$1.34B)	(\$1.19B)	(\$3.31B)	\$53.40B
IWF	iShares Russell 1000 Growth ETF	(\$0.37B)	(\$0.57B)	\$0.75B	\$1.13B	\$87.76B
DFAC	Dimensional U.S. Core Equity 2 ETF	(\$0.15B)	\$0.83B	\$1.51B	\$3.93B	\$26.34B
SCHD	Schwab US Dividend Equity ETF	(\$0.13B)	\$1.35B	\$2.20B	\$4.49B	\$53.46B
DVY	iShares Select Dividend ETF	(\$0.12B)	(\$0.78B)	(\$1.40B)	(\$3.62B)	\$17.80B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.11B)	(\$3.93B)	(\$7.42B)	(\$8.19B)	\$23.48B
IVW	iShares S&P 500 Growth ETF	(\$0.11B)	\$3.01B	\$2.62B	\$4.40B	\$43.09B

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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)
XLI	Industrial Select Sector SPDR Fund	-3.35%	26.23%	-0.07%	9.78%	41.39
XLC	Communication Services Select Sector SPDR Fund	-3.36%	38.92%	-0.39%	11.18%	42.35
SPY	SPDR S&P 500 ETF Trust	-3.75%	24.29%	-1.45%	7.89%	37.20
XLE	Energy Select Sector SPDR Fund	-3.75%	23.25%	4.66%	8.38%	52.61
XLK	Technology Select Sector SPDR Fund	-4.39%	36.75%	-2.26%	8.64%	40.79
XLB	Materials Select Sector SPDR Fund	-4.58%	19.26%	-0.18%	6.56%	37.01
XLP	Consumer Staples Select Sector SPDR Fund	-5.66%	10.40%	-2.09%	1.26%	31.44
XLF	Financial Select Sector SPDR Fund	-6.01%	25.88%	-2.43%	8.26%	32.11
XLV	Health Care Select Sector SPDR Fund	-6.21%	12.62%	-4.28%	1.96%	28.26
XLY	Consumer Discretionary Select Sector SPDR Fund	-6.40%	20.03%	-4.00%	0.96%	34.22
XLU	Utilities Select Sector SPDR Fund	-9.50%	11.71%	-0.53%	0.07%	38.35
XLRE	Real Estate Select Sector SPDR Fund	-11.04%	11.93%	-6.82%	-3.45%	28.81

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSI	Invesco Semiconductors ETF	1.10%
SOXQ	Invesco PHLX Semiconductor ETF	0.90%
PTF	Invesco Dorsey Wright Technology Momentum ETF	0.89%
IHF	iShares U.S. Healthcare Providers ETF	0.79%
SOXX	iShares Semiconductor ETF	0.76%
XPH	SPDR S&P Pharmaceuticals ETF	0.66%
FTXL	First Trust Nasdaq Semiconductor ETF	0.56%
KBWP	Invesco KBW Property & Casualty Insurance ETF	0.50%
XAR	SPDR S&P Aerospace & Defense ETF	0.50%
ITA	iShares U.S. Aerospace & Defense ETF	0.48%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XME	SPDR S&P Metals & Mining ETF	58.23
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	55.25
PXI	Invesco Dorsey Wright Energy Momentum ETF	53.13
FCG	First Trust Natural Gas ETF	52.99
FTXN	First Trust Nasdaq Oil & Gas ETF	52.62
XLE	Energy Select Sector SPDR Fund	52.61
FENY	Fidelity MSCI Energy Index ETF	52.60
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	52.32
PXE	Invesco Energy Exploration & Production ETF	52.27
VDE	Vanguard Energy ETF	52.25

Sector & Industry 1 Day Performance Laggards

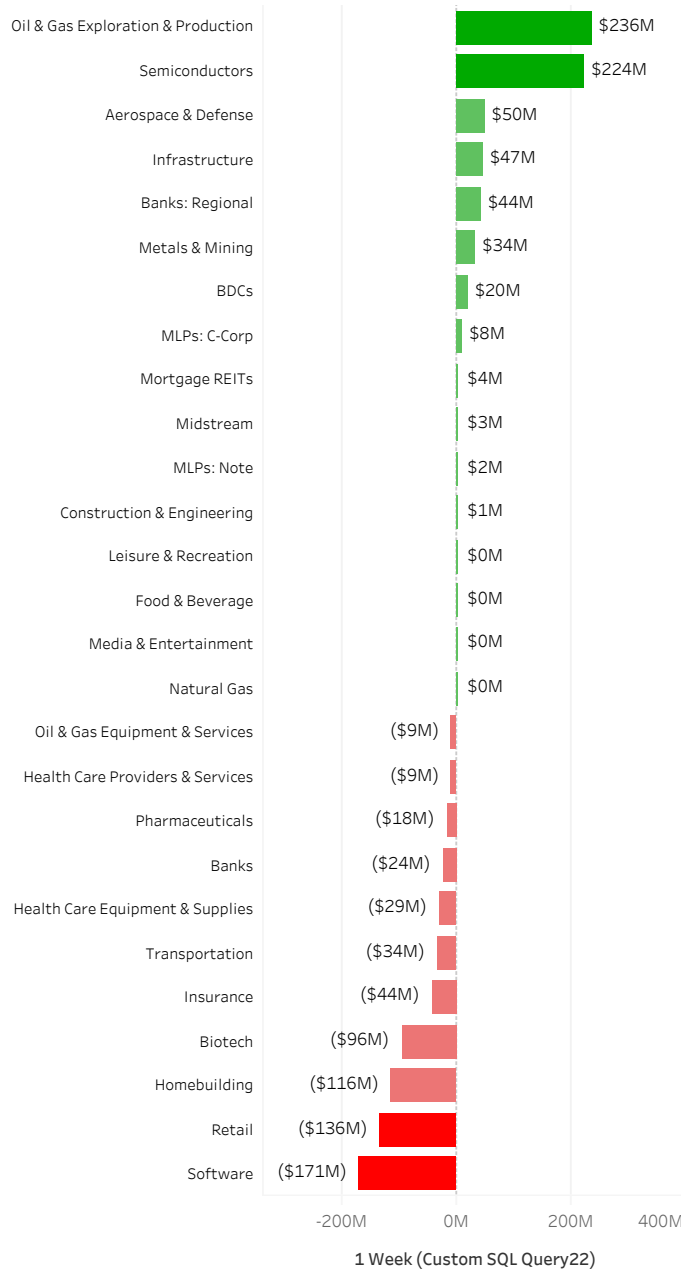
Ticker	Fund	1 Day Performance
FXU	First Trust Utilities AlphaDEX Fund	-1.91%
ITB	iShares U.S. Home Construction ETF	-1.81%
FTXO	First Trust Nasdaq Bank ETF	-1.70%
IAT	iShares U.S. Regional Banks ETF	-1.66%
KBWB	Invesco KBW Bank ETF	-1.61%
XLRE	Real Estate Select Sector SPDR Fund	-1.53%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.52%
NETL	NETLease Corporate Real Estate ETF	-1.50%
ICF	iShares Cohen & Steers REIT ETF	-1.49%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.49%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHE	iShares U.S. Pharmaceuticals ETF	24.07
IYZ	iShares U.S. Telecommunications ETF	27.20
FHLC	Fidelity MSCI Health Care Index ETF	27.76
IYH	iShares U.S. Healthcare ETF	27.98
IBB	iShares Biotechnology ETF	28.19
RSPH	Invesco S&P 500 Equal Weight Health Care ETF	28.22
XLV	Health Care Select Sector SPDR Fund	28.26
VHT	Vanguard Health Care ETF	28.77
XLRE	Real Estate Select Sector SPDR Fund	28.81
PBE	Invesco Biotechnology & Genome ETF	28.85

* 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	(\$274M)	\$254M	\$899M	\$2,582M
Consumer Discretionary	12	\$30B	(\$415M)	\$1,417M	\$1,589M	\$3,000M
Consumer Staples	10	\$24B	(\$332M)	(\$1,606M)	(\$4,427M)	(\$5,884M)
Energy	30	\$79B	\$351M	\$1,210M	\$67M	(\$2,707M)
Financials	26	\$64B	\$442M	(\$1,209M)	\$742M	(\$1,209M)
Health Care	23	\$86B	(\$366M)	(\$2,220M)	(\$4,297M)	(\$7,351M)
Industrial	13	\$41B	\$306M	\$1,952M	\$2,113M	\$3,232M
Materials	9	\$13B	\$203M	\$52M	(\$751M)	(\$2,766M)
Multi-Sector	16	\$23B	(\$93M)	\$1,347M	\$1,165M	\$3,430M
Real Estate	25	\$57B	(\$400M)	\$860M	\$2,936M	\$2,574M
Technology	23	\$191B	\$250M	\$5,778M	\$11,139M	\$12,297M
Utilities	9	\$19B	(\$115M)	(\$2,902M)	(\$3,361M)	(\$4,218M)

U.S. Sector & Industry Flow Leaders

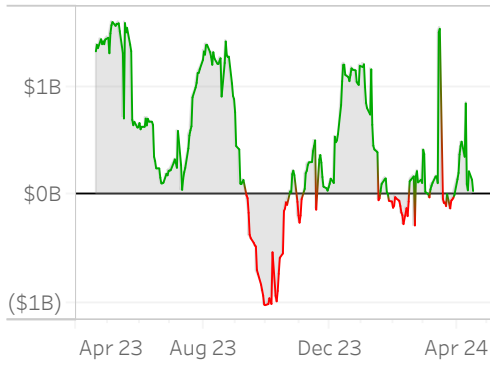
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IAI	iShares U.S. Broker-Dealers & Securities Excha..	\$272M	\$612M	\$606M	\$288M	\$1,035M
XLI	Industrial Select Sector SPDR Fund	\$222M	\$1,162M	\$870M	\$1,859M	\$18,063M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$221M	\$295M	\$685M	\$175M	\$4,397M
SOXX	iShares Semiconductor ETF	\$210M	\$665M	\$835M	\$867M	\$12,455M
XLF	Financial Select Sector SPDR Fund	\$180M	\$237M	\$810M	\$187M	\$37,015M
XLB	Materials Select Sector SPDR Fund	\$132M	(\$116M)	(\$286M)	(\$567M)	\$5,819M
IYW	iShares U.S. Technology ETF	\$121M	\$945M	\$2,356M	\$1,185M	\$16,455M
VGT	Vanguard Information Technology ETF	\$107M	\$1,690M	\$2,803M	\$2,666M	\$63,570M
IBB	iShares Biotechnology ETF	\$77M	(\$53M)	(\$12M)	(\$779M)	\$7,109M
XLE	Energy Select Sector SPDR Fund	\$61M	\$561M	(\$291M)	(\$2,219M)	\$40,972M

U.S. Sector & Industry Flow Laggards

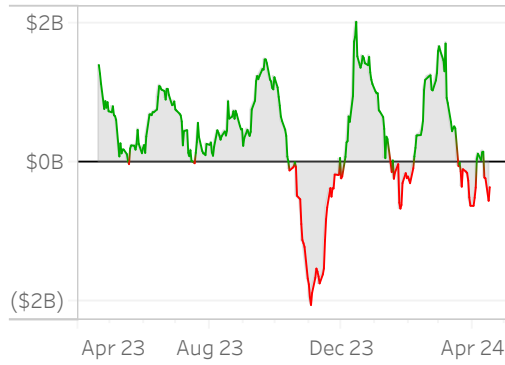
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$292M)	(\$1,217M)	(\$3,095M)	(\$3,061M)	\$14,029M
XLC	Communication Services Select Sector SPDR Fu..	(\$262M)	\$129M	\$940M	\$2,219M	\$17,710M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$260M)	\$1,074M	\$1,565M	\$2,391M	\$19,419M
IYR	iShares U.S. Real Estate ETF	(\$226M)	(\$278M)	\$1,055M	\$794M	\$3,712M
XBI	SPDR S&P BIOTECH ETF	(\$172M)	(\$216M)	\$80M	(\$417M)	\$6,543M
IGV	iShares Expanded Tech-Software Sector ETF	(\$168M)	(\$1,133M)	(\$1,066M)	(\$993M)	\$6,289M
XRT	SPDR S&P Retail ETF	(\$136M)	\$90M	\$47M	\$20M	\$479M
VNQ	Vanguard Real Estate ETF	(\$122M)	\$812M	\$382M	\$96M	\$31,480M
XLV	Health Care Select Sector SPDR Fund	(\$113M)	(\$1,436M)	(\$2,923M)	(\$3,159M)	\$37,788M
XLRE	Real Estate Select Sector SPDR Fund	(\$107M)	\$126M	\$1,040M	\$1,177M	\$5,543M

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

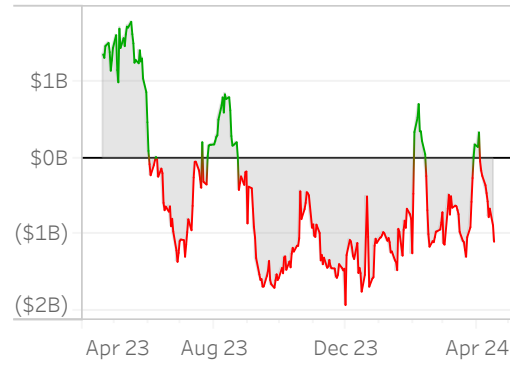
Communication Services



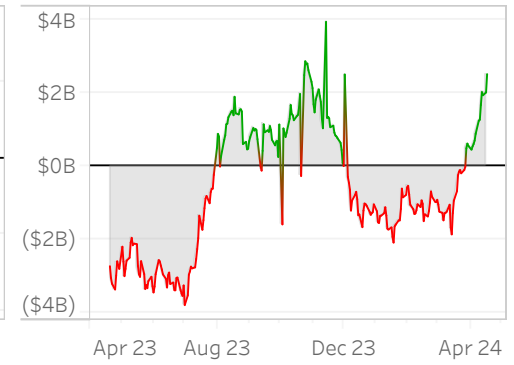
Consumer Discretionary



Consumer Staples



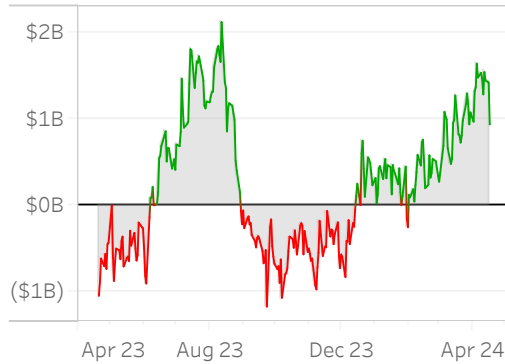
Energy



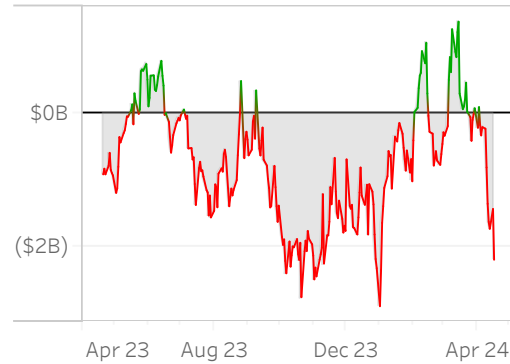
Financials



Industrial



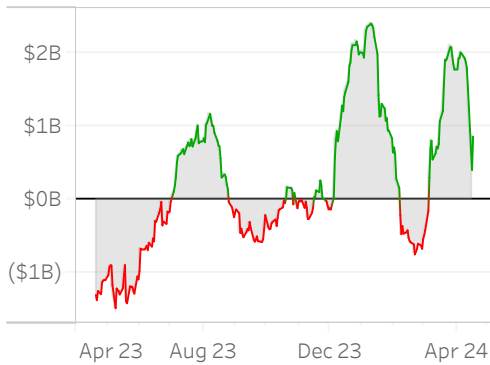
Health Care



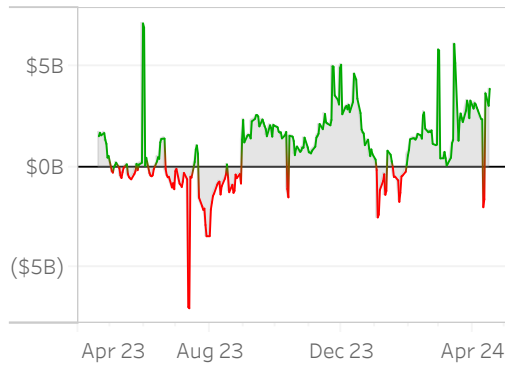
Materials



Real Estate



Technology



Utilities

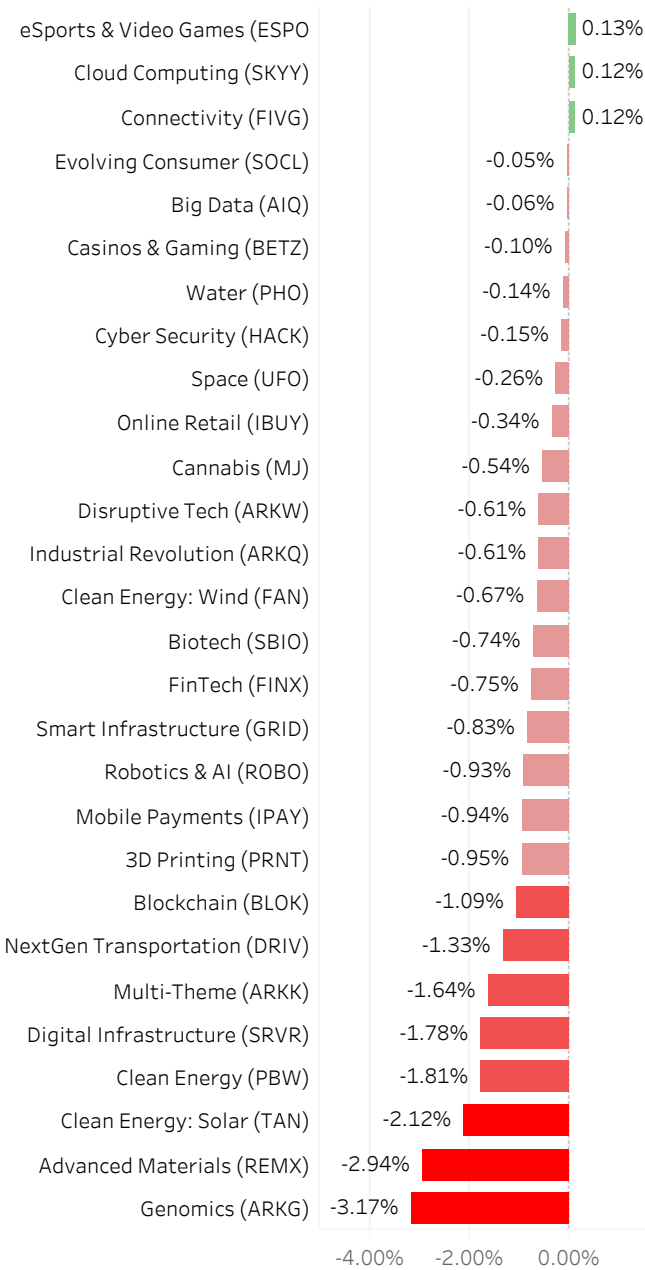


Multi-Sector

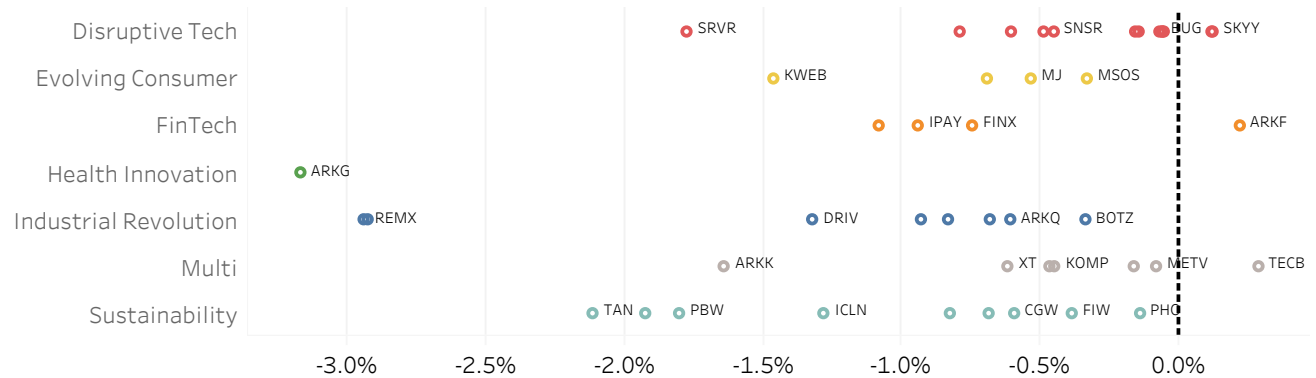


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	1.43%
ENTR	ERShares Entrepreneurs ETF	0.88%
XITK	SPDR FactSet Innovative Technology ETF	0.45%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	0.29%
IZRL	ARK Israel Innovative Technology ETF	0.28%
SPRX	Spear Alpha ETF	0.23%
ARKF	ARK Fintech Innovation ETF	0.22%
FCLD	Fidelity Cloud Computing ETF	0.17%
ESPO	VanEck Video Gaming and eSports ETF	0.13%
SKYY	First Trust Cloud Computing ETF	0.12%

Thematic Most Overbought

Ticker	Fund	Value
MSOS	AdvisorShares Pure US Cannabis ETF	44.63
MJ	Amplify Alternative Harvest ETF	44.15
ENTR	ERShares Entrepreneurs ETF	43.65
REMX	VanEck Rare Earth/Strategic Metals ETF	43.12
MJUS	Amplify U.S. Alternative Harvest ETF	42.05
SAMT	Strategas Macro Thematic Opportunities ETF	41.87
ONLN	ProShares Online Retail ETF	41.60
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	41.19
KWEB	KraneShares CSI China Internet ETF	41.18
EVX	VanEck Environmental Services ETF	40.28

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
ARKG	ARK Genomic Revolution ETF	-3.17%
REMX	VanEck Rare Earth/Strategic Metals ETF	-2.94%
LIT	Global X Lithium & Battery Tech ETF	-2.93%
DAPP	VanEck Digital Transformation ETF	-2.83%
BITQ	Bitwise Crypto Industry Innovators ETF	-2.76%
GNOM	Global X Genomics & Biotechnology ETF	-2.44%
BATT	Amplify Lithium & Battery Technology ETF	-2.18%
ACES	ALPS Clean Energy ETF	-2.16%
TAN	Invesco Solar ETF	-2.12%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-2.09%

Thematic Most Oversold

Ticker	Fund	Value
SRVR	Pacer Data & Infrastructure Real Estate ETF	22.08
DTCR	Global X Data Center And Digital Infrastructure ETF	25.71
ARKG	ARK Genomic Revolution ETF	26.16
GNOM	Global X Genomics & Biotechnology ETF	26.57
IHAK	iShares Cybersecurity & Tech ETF	26.82
IZRL	ARK Israel Innovative Technology ETF	28.04
CLOU	Global X Cloud Computing ETF	28.08
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	28.56
IRBO	iShares Robotics and Artificial Intelligence Multisector E..	28.84
BUG	Global X Cybersecurity ETF	28.98

* 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	\$48M
FFLC	Fidelity Fundamental Large Cap Core ETF	\$15M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$11M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M
LIT	Global X Lithium & Battery Tech ETF	\$5M
FIW	First Trust Water ETF	\$5M
DAPP	VanEck Digital Transformation ETF	\$4M
MSOS	AdvisorShares Pure US Cannabis ETF	\$3M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$3M
IBLC	iShares Blockchain and Tech ETF	\$1M

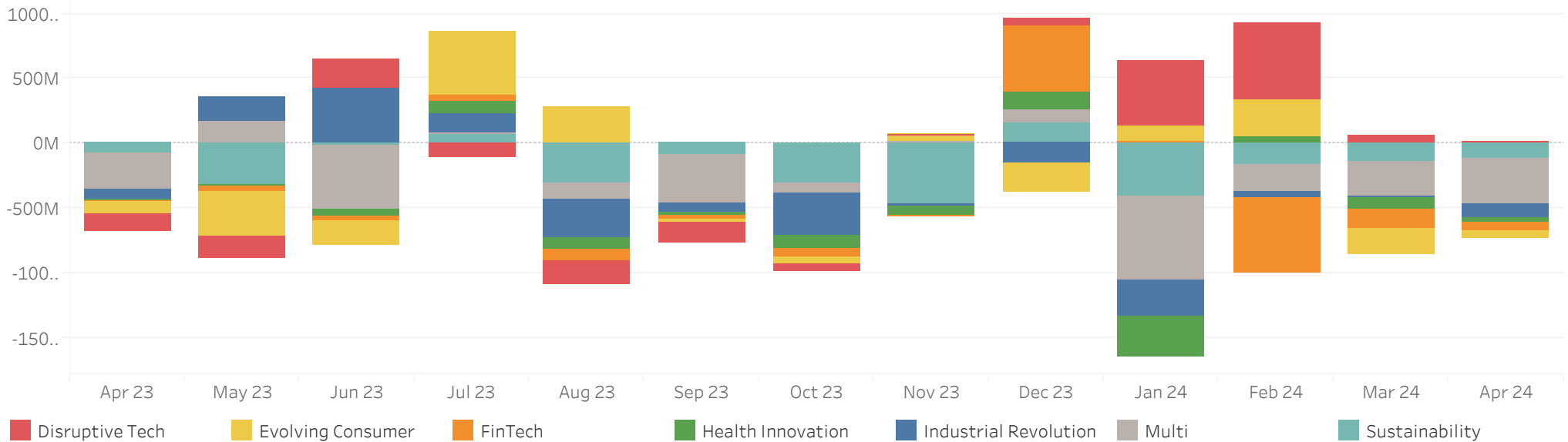
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$173M)
ICLN	iShares Global Clean Energy ETF	(\$52M)
KWEB	KraneShares CSI China Internet ETF	(\$51M)
CLOU	Global X Cloud Computing ETF	(\$38M)
TAN	Invesco Solar ETF	(\$34M)
GBUY	Goldman Sachs Future Consumer Equity ETF	(\$32M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$32M)
ARKW	ARK Next Generation Internet ETF	(\$28M)
ARKG	ARK Genomic Revolution ETF	(\$11M)
ARKF	ARK Fintech Innovation ETF	(\$10M)

Thematic Landscape Assets & Flows

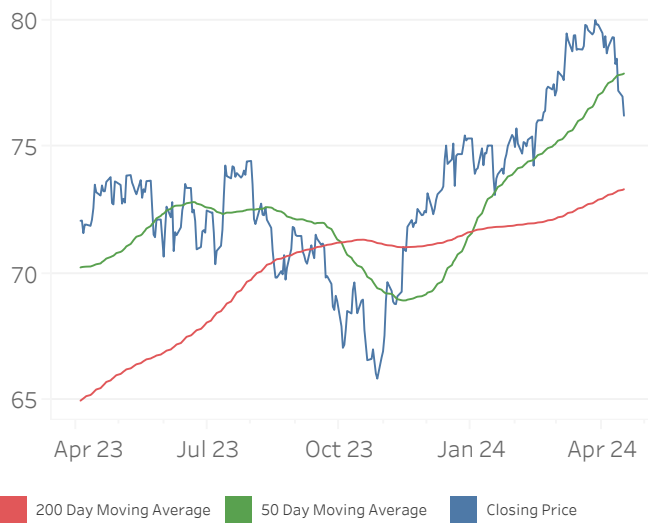
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$20B	(\$48M)	\$1,086M	\$1,196M	\$644M
Evolving Consumer	34	\$9B	(\$89M)	\$164M	(\$91M)	\$66M
FinTech	17	\$3B	(\$12M)	(\$893M)	(\$266M)	(\$508M)
Health Innovation	17	\$2B	(\$11M)	(\$266M)	(\$399M)	(\$520M)
Industrial Revolution	29	\$9B	(\$37M)	(\$305M)	(\$740M)	(\$638M)
Multi	33	\$14B	(\$151M)	(\$1,048M)	(\$1,435M)	(\$2,508M)
Sustainability	39	\$12B	(\$84M)	(\$600M)	(\$1,329M)	(\$2,190M)
Grand Total	202	\$69B	(\$432M)	(\$1,862M)	(\$3,064M)	(\$5,653M)

Thematic Monthly Flows

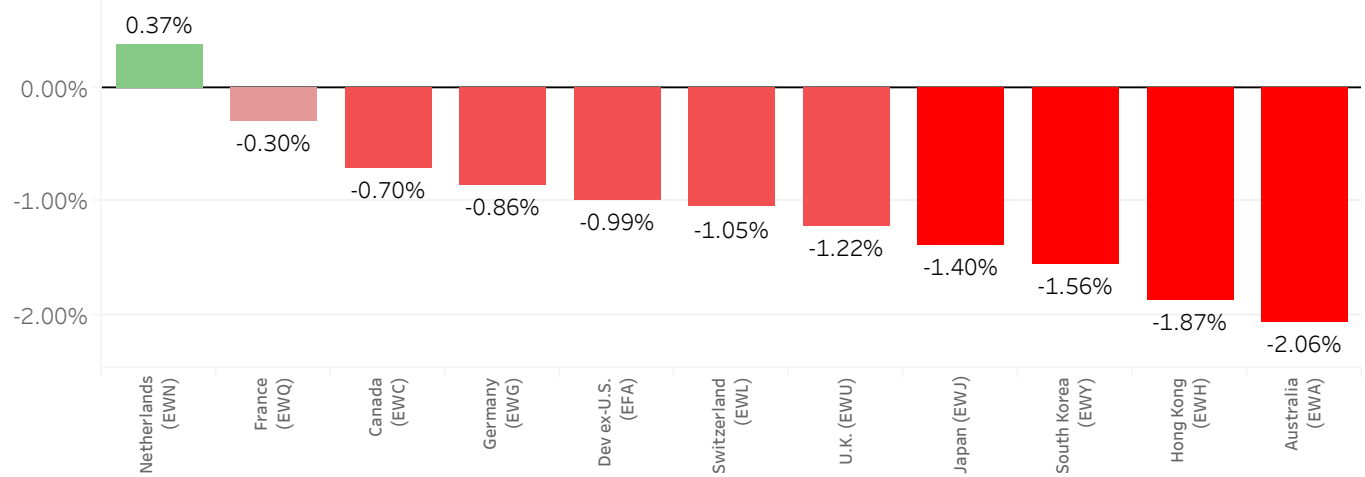


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

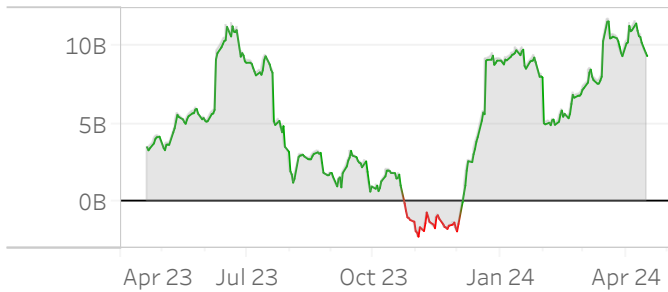
Developed ex-U.S. (EFA)



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



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



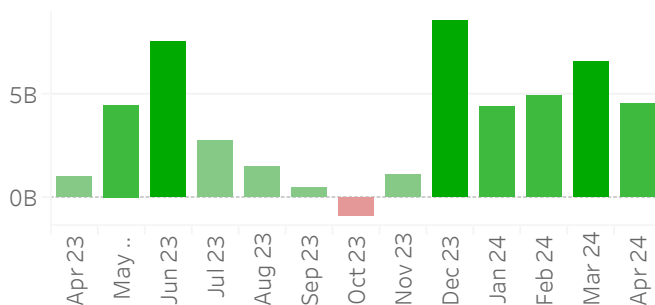
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWN	iShares MSCI Netherlands ETF	0.37%
BKCI	BNY Mellon Concentrated International ETF	0.13%
ISRA	VanEck Israel ETF	0.05%
EDEN	iShares MSCI Denmark ETF	-0.05%
IDHQ	Invesco S&P International Developed High Quality ETF	-0.07%
EWO	iShares MSCI Austria ETF	-0.13%
EIS	iShares MSCI Israel ETF	-0.22%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-0.28%
FEZ	SPDR EURO STOXX 50 ETF	-0.30%
EWQ	iShares MSCI France ETF	-0.30%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	49.82
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	49.20
FLJH	Franklin FTSE Japan Hedged ETF Franklin FTSE Japan Hed..	48.04
HEWJ	iShares Currency Hedged MSCI Japan ETF	46.97
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	46.82
NORW	Global X MSCI Norway ETF	45.62
EWO	iShares MSCI Austria ETF	44.47
EWN	iShares MSCI Netherlands ETF	43.80
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	42.93
HEZU	iShares Currency Hedged MSCI Eurozone ETF	42.07

Developed ex-U.S. Monthly Flows



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

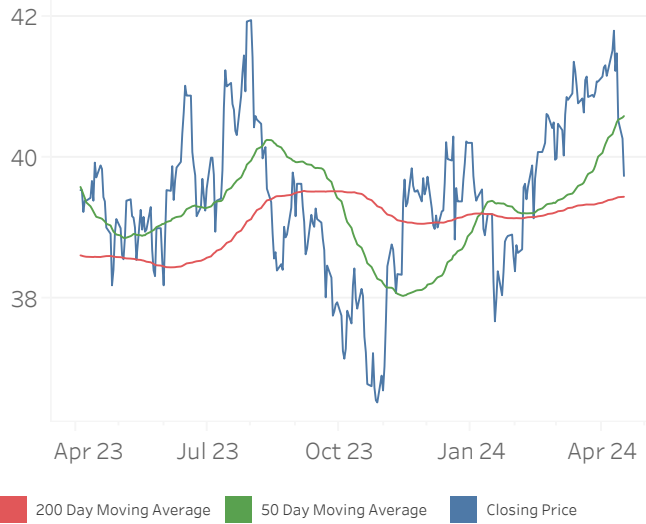
Ticker	Fund	Performance
FJP	First Trust Japan AlphaDEX Fund	-2.67%
EWJV	iShares MSCI Japan Value ETF	-2.08%
EWA	iShares MSCI Australia ETF	-2.06%
IMOM	Alpha Architect International Quantitative Momentum ETF	-2.06%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-2.03%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific ex-Japan E..	-1.87%
EWH	iShares MSCI Hong Kong ETF	-1.87%
DISV	Dimensional International Small Cap Value ETF	-1.87%
FKU	First Trust United Kingdom AlphaDEX Fund	-1.85%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.83%

Developed ex-U.S. Most Oversold

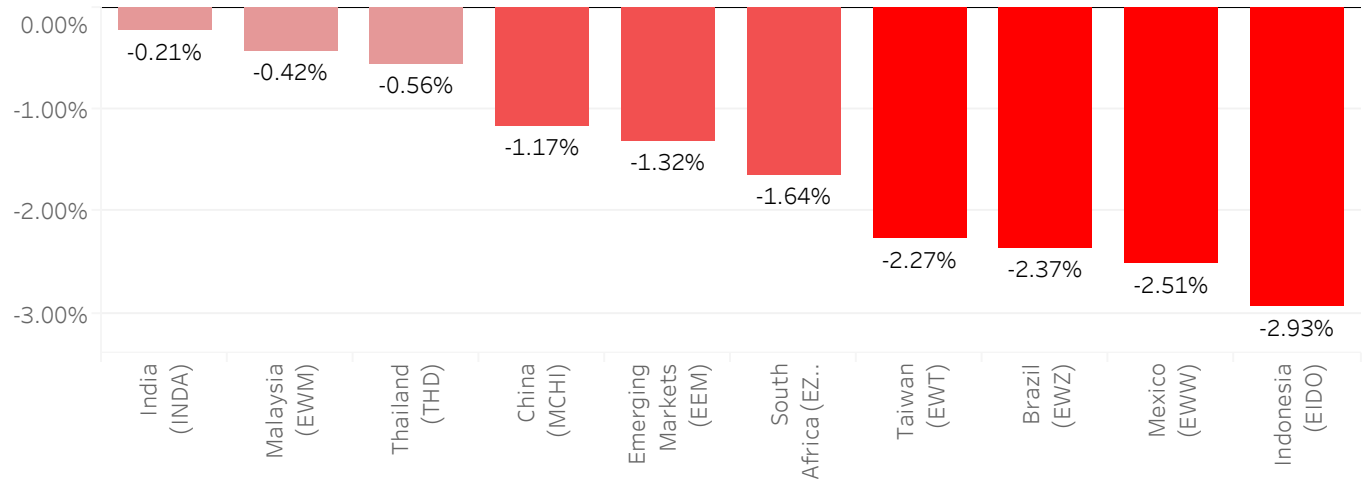
Ticker	Fund	Value
IDLV	Invesco S&P International Developed Low Volatility ..	24.84
EFAV	iShares MSCI EAFE Min Vol Factor ETF	25.62
FICS	First Trust International Developed Capital Strengt..	26.07
EUDG	WisdomTree Europe Quality Dividend Growth Fund	26.17
EWH	iShares MSCI Hong Kong ETF	26.64
FDEF	Fidelity International Multifactor ETF	26.74
EFAD	ProShares MSCI EAFE Dividend Growers ETF	26.78
BBAX	JPMorgan BetaBuilders Developed Asia Pacific ex-Ja..	27.36
TPIF	Timothy Plan International ETF	27.90
EWL	iShares MSCI Switzerland ETF	28.12

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

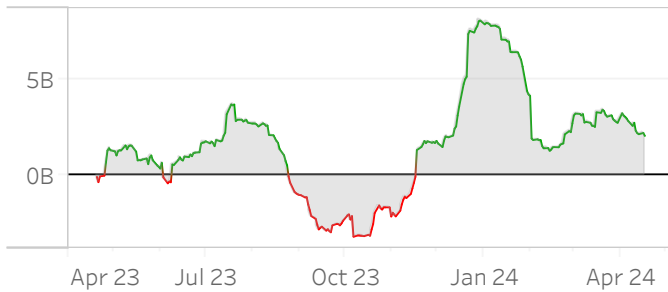
Emerging (EEM)



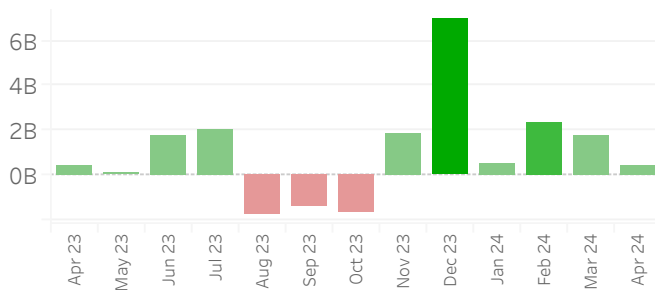
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SMIN	iShares MSCI India Small Cap ETF	0.49%
QAT	iShares MSCI Qatar ETF	0.40%
FLIN	Franklin FTSE India ETF	0.08%
EPI	WisdomTree India Earnings Fund	0.07%
PIN	Invesco India ETF	0.04%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.18%
INDY	iShares India 50 ETF	-0.18%
INDA	iShares MSCI India ETF	-0.21%
EWM	iShares MSCI Malaysia ETF	-0.42%
EPU	iShares MSCI Peru and Global Exposure ETF	-0.46%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	56.03
SMIN	iShares MSCI India Small Cap ETF	53.69
EPU	iShares MSCI Peru and Global Exposure ETF	52.51
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	51.24
EPI	WisdomTree India Earnings Fund	50.64
CNYA	iShares MSCI China A ETF	47.07
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	46.73
FLIN	Franklin FTSE India ETF	46.69
PIN	Invesco India ETF	46.15
PIE	Invesco Dorsey Wright Emerging Markets Momentu..	45.95

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPOL	iShares MSCI Poland ETF	-3.24%
EIDO	iShares MSCI Indonesia ETF	-2.93%
EWW	iShares MSCI Mexico ETF	-2.51%
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	-2.43%
FLN	First Trust Latin America AlphaDEX Fund	-2.40%
EWZ	iShares MSCI Brazil ETF	-2.37%
FLLA	Franklin FTSE Latin America ETF	-2.35%
EWT	iShares MSCI Taiwan ETF	-2.27%
FLTW	Franklin FTSE Taiwan ETF Franklin FTSE Taiwan Fund	-2.23%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.19%

Emerging Most Oversold

Ticker	Fund	Value
EPHE	iShares MSCI Philippines ETF	21.14
KWT	iShares MSCI Kuwait ETF	22.56
EIDO	iShares MSCI Indonesia ETF	24.20
VNM	VanEck Vietnam ETF	25.29
FLN	First Trust Latin America AlphaDEX Fund	27.41
FLLA	Franklin FTSE Latin America ETF	28.28
EWZS	iShares MSCI Brazil Small-Cap ETF	28.61
EELV	Invesco S&P Emerging Markets Low Volatility ETF	28.98
EWZ	iShares MSCI Brazil ETF	29.97
FLBR	Franklin FTSE Brazil ETF Franklin FTSE Brazil Fund	30.05

* 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	-0.28%	-1.76%	-3.32%
SHY	1-3 Year Treasury Bonds	-0.06%	-0.11%	-0.20%
IEF	7-10 Year Treasury Bonds	-0.39%	-2.16%	-4.46%
TLT	20+ Year Treasury Bonds	-0.66%	-4.67%	-9.83%
TIP	TIPS Bonds	-0.41%	-0.85%	-1.93%
FLOT	Floating Rate Bonds	0.03%	0.54%	2.20%
LQD	Investment Grade Corporate	-0.33%	-2.66%	-4.49%
HYG	High Yield Corporate	-0.33%	-1.30%	-0.66%
BKLN	Senior Loan	-0.05%	-0.02%	1.49%
PFF	Preferred & Income Securities	-0.21%	-4.05%	-0.18%
MUB	Municipal Bonds	-0.19%	-1.10%	-1.31%
MBB	MBS	-0.37%	-2.16%	-4.07%
EMB	Dollar Denominated EM Bonds	-0.31%	-1.46%	-1.46%
LEMB	Local Currency EM Bond	-0.76%	-3.12%	-4.33%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.40%	4.51%	6.65%
DBE	Energy	0.14%	4.49%	12.04%
USO	WTI Crude Oil	-0.39%	6.55%	22.03%
BNO	Brent Crude Oil	-0.36%	6.70%	21.24%
UNG	Natural Gas	2.40%	-4.30%	-28.60%
UGA	Gasoline	1.10%	4.75%	21.52%
DBP	Precious Metals	-0.33%	11.11%	16.53%
GLD	Gold	0.12%	10.77%	15.72%
SLV	Silver	-2.31%	12.03%	18.46%
PPLT	abrdrn Physical Platin..	-1.21%	2.23%	-3.15%
PALL	abrdrn Physical Palla..	-1.72%	-5.96%	-7.72%
DBB	Base Metals	-0.91%	7.64%	6.99%
CPER	Copper	-1.61%	4.67%	11.47%
DBA	Agriculture	-2.30%	6.27%	20.88%
CORN	Corn	-0.45%	-1.10%	-8.53%
SOYB	Soybeans	-1.02%	-2.94%	-9.23%
WEAT	Wheat	-0.19%	3.92%	-11.22%
CANE	Sugar	-1.48%	-9.80%	-3.51%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.14%	3.40%	6.79%
UDN	Short Dollar	-0.30%	-2.81%	-4.23%
FXE	Euro	-0.04%	-2.26%	-3.11%
FXB	British Pound Sterling	-0.14%	-2.14%	-1.55%
FXF	Swiss Franc	-0.06%	-3.21%	-7.82%
FXJ	Japanese Yen	-0.30%	-3.67%	-9.01%
FXC	Canadian Dollar	-0.22%	-1.80%	-3.40%
FXA	Australian Dollar	-0.59%	-2.23%	-5.54%

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