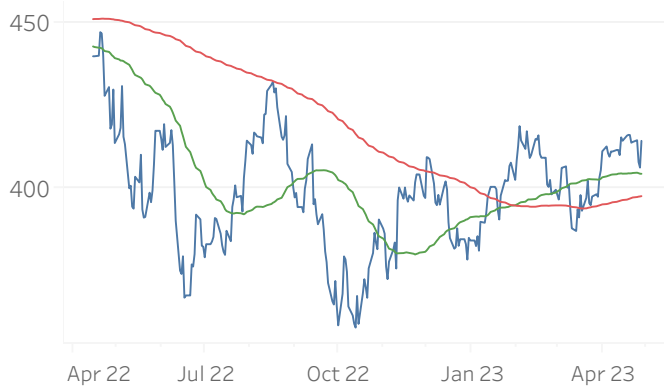


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

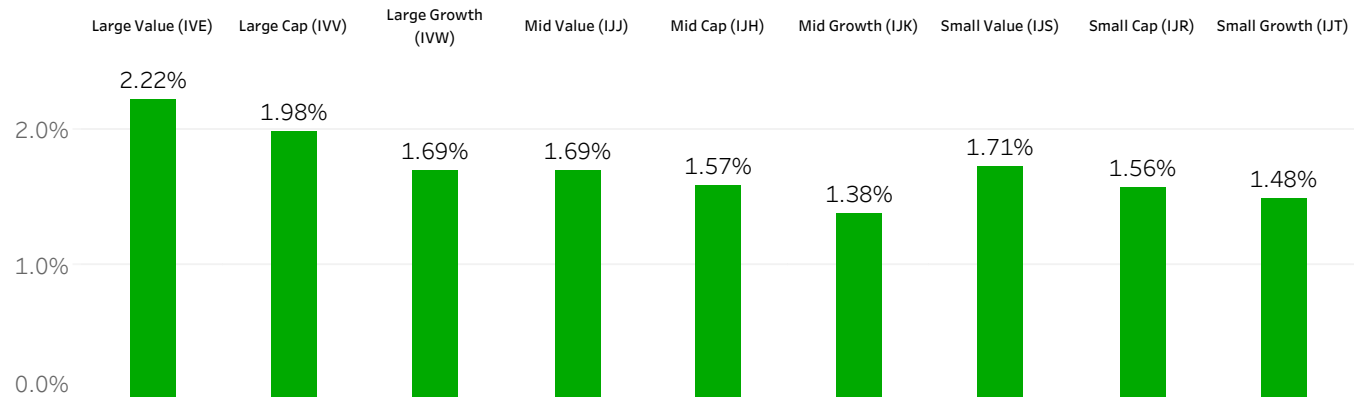


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DUSA	Davis Select U.S. Equity ETF	3.23%
QQH	HCM Defender 100 Index ETF	3.09%
BUZZ	VanEck Social Sentiment ETF	2.82%
PTNQ	Pacer Trendpilot 100 ETF	2.77%
QQQM	Invesco NASDAQ 100 ETF	2.74%
QQQ	Invesco QQQ Trust	2.72%
LCG	Sterling Capital Focus Equity ETF	2.69%
CGGR	Capital Group Growth ETF	2.63%
MGK	Vanguard Mega Cap Growth ETF	2.61%
SCHG	Schwab U.S. Large-Cap Growth ETF	2.58%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	71.67
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	64.33
XLG	Invesco S&P 500 Top 50 ETF	63.18
ABEQ	Absolute Select Value ETF	63.16
TMFC	Motley Fool 100 Index ETF	62.40
FDLO	Fidelity Low Volatility Factor ETF	61.93
MGK	Vanguard Mega Cap Growth ETF	61.65
IWY	iShares Russell Top 200 Growth ETF	61.04
OEF	iShares S&P 100 ETF	61.02
SPUS	SP Funds S&P 500 Sharia Industry Exclusions ETF	60.82

Size & Style 1-Day Performance Laggards

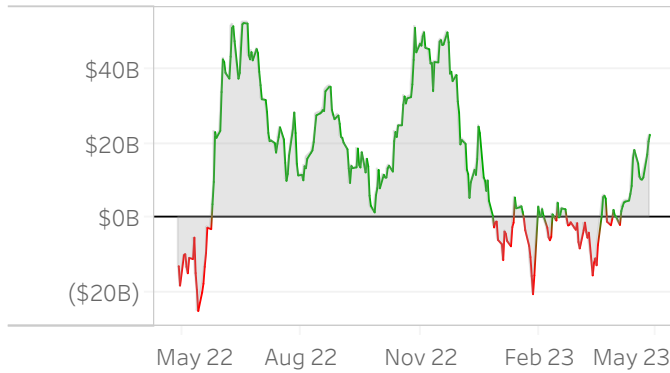
Ticker	Fund	1-Day Performance
FFTY	Innovator IBD 50 ETF	-0.87%
QMOM	Momentumshares US Quantitative Momentum ETF	-0.19%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-0.02%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	0.28%
IWC	iShares Micro-Cap ETF	0.32%
FPX	First Trust US Equity Opportunities ETF	0.48%
FDL	First Trust Morningstar Dividend Leaders Index Fund	0.48%
DHS	WisdomTree U.S. High Dividend Fund	0.57%
HDV	iShares Core High Dividend ETF	0.61%

Size & Style Most Oversold

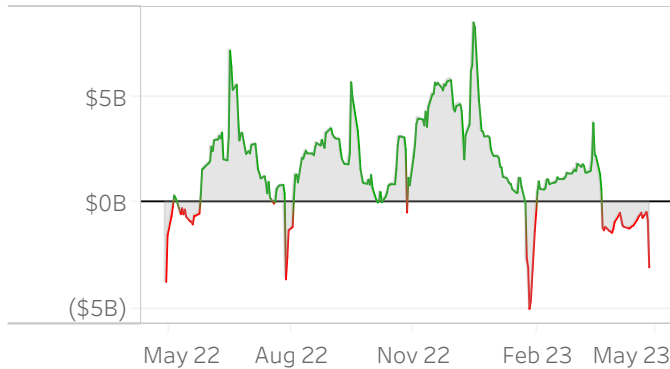
Ticker	Fund	Price
AIEQ	AI Powered Equity ETF	35.84
SVAL	iShares US Small Cap Value Factor ETF	36.63
XSLV	Invesco S&P SmallCap Low Volatility ETF	36.88
FDM	First Trust Dow Jones Select MicroCap Index Fund	37.47
FCTR	First Trust Lunt U.S. Factor Rotation ETF	37.49
QMOM	Momentumshares US Quantitative Momentum E..	37.81
IWC	iShares Micro-Cap ETF	38.54
XSVM	Invesco S&P SmallCap Value with Momentum ETF	38.57
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	38.65
FPX	First Trust US Equity Opportunities ETF	38.91

*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	25	\$1,267B	\$4.71B	\$4.27B	(\$8.27B)	\$69.57B
Large Cap, Beta, Beta: Growth	10	\$241B	\$0.26B	\$3.28B	\$8.93B	\$22.53B
Large Cap, Beta, Beta: Value	11	\$218B	\$0.03B	(\$2.47B)	(\$4.79B)	\$3.60B
Mid Cap, Beta, Beta	10	\$181B	\$0.12B	\$1.12B	\$4.76B	\$11.69B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.03B	\$0.13B	(\$0.03B)	\$1.14B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.03B)	(\$0.61B)	(\$0.79B)	\$0.89B
Small Cap, Beta, Beta	13	\$184B	\$0.85B	\$0.82B	\$3.19B	\$3.64B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.02B)	(\$0.08B)	\$0.30B	\$1.46B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.07B)	(\$0.58B)	\$0.45B	(\$0.20B)

U.S. Size & Style Flow Leaders

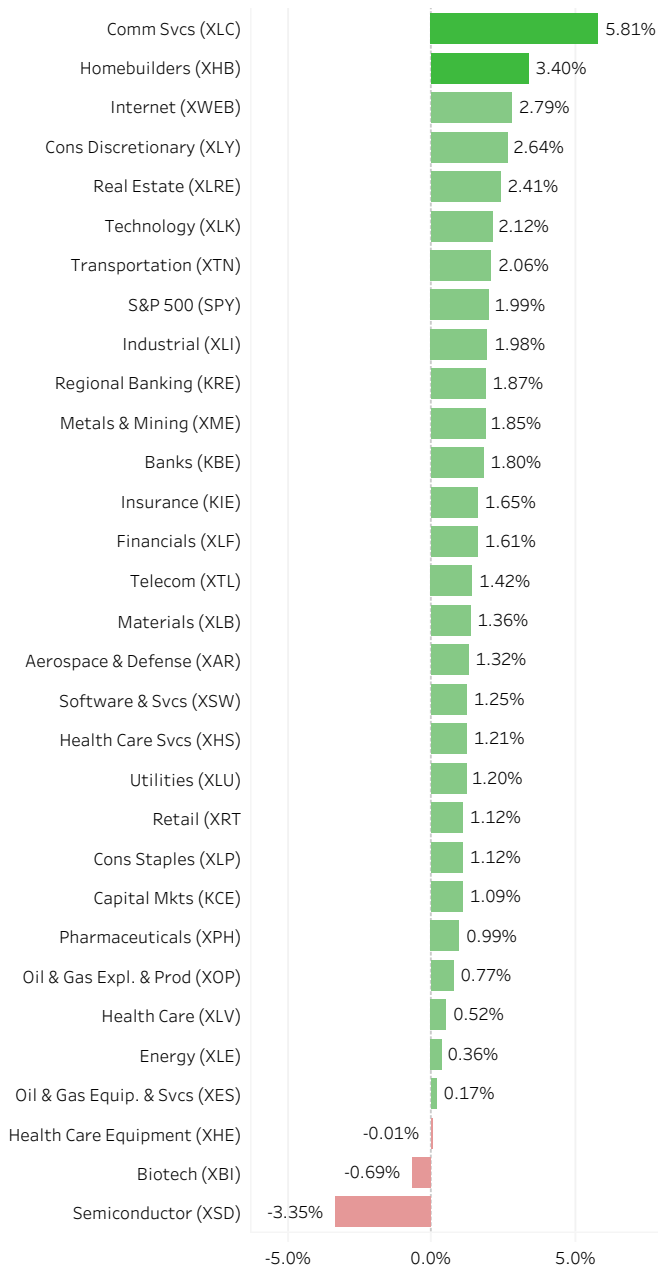
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$5.14B	(\$4.25B)	(\$8.72B)	\$10.74B	\$376.55B
IWM	iShares Russell 2000 ETF	\$0.93B	(\$0.83B)	(\$1.46B)	(\$1.76B)	\$49.21B
VOO	Vanguard S&P 500 ETF	\$0.32B	\$6.98B	\$7.38B	\$32.52B	\$285.77B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.17B	\$1.06B	\$2.63B	\$4.23B	\$16.06B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.16B	\$1.31B	\$2.56B	\$4.27B	\$18.40B
SPYV	SPDR Portfolio S&P 500 Value ETF	\$0.14B	(\$1.34B)	\$0.84B	\$1.10B	\$14.50B
PABU	iShares Paris-Aligned Climate MSCI USA ETF	\$0.13B	\$0.32B	\$0.39B	\$0.66B	\$1.23B
VYM	Vanguard High Dividend Yield Index ETF	\$0.13B	\$0.62B	\$0.88B	\$6.12B	\$49.40B
QQQ	Invesco QQQ Trust	\$0.12B	\$1.80B	(\$5.00B)	(\$1.71B)	\$165.64B
XMHQ	Invesco S&P MidCap Quality ETF	\$0.10B	\$0.23B	\$0.32B	\$0.31B	\$0.65B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$0.78B)	(\$2.97B)	(\$5.89B)	\$15.28B	\$303.60B
VTI	Vanguard Total Stock Market ETF	(\$0.19B)	\$2.05B	\$7.56B	\$19.70B	\$278.91B
IJR	iShares Core S&P Small Cap ETF	(\$0.14B)	\$0.53B	\$1.67B	\$2.82B	\$64.03B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.10B)	(\$0.52B)	(\$1.03B)	(\$4.46B)	\$6.69B
SCHX	Schwab U.S. Large-Cap ETF	(\$0.09B)	(\$0.58B)	(\$0.44B)	\$0.90B	\$30.49B
VTV	Vanguard Value ETF	(\$0.09B)	\$2.21B	(\$1.48B)	\$4.20B	\$101.36B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.07B)	(\$6.39B)	(\$7.41B)	(\$9.18B)	\$13.30B
VSDA	VictoryShares Dividend Accelerator ETF	(\$0.07B)	\$0.02B	\$0.04B	(\$0.06B)	\$0.24B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.07B)	(\$1.31B)	(\$1.63B)	(\$0.77B)	\$28.21B
IWN	iShares Russell 2000 Value ETF	(\$0.07B)	(\$0.29B)	(\$0.43B)	(\$0.64B)	\$10.72B

* 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)
XLP	Consumer Staples Select Sector SPDR Fund	-0.35%	15.83%	4.29%	4.92%	68.42
XLK	Technology Select Sector SPDR Fund	-1.55%	28.01%	3.79%	10.41%	56.87
XLC	Communication Services Select Sector SPDR Fund	-2.54%	30.79%	5.86%	12.00%	61.09
SPY	SPDR S&P 500 ETF Trust	-4.02%	15.66%	2.53%	4.23%	57.13
XLI	Industrial Select Sector SPDR Fund	-4.47%	19.56%	-0.77%	2.17%	47.65
XLV	Health Care Select Sector SPDR Fund	-5.50%	10.43%	1.94%	1.00%	51.05
XLB	Materials Select Sector SPDR Fund	-9.65%	18.27%	-0.34%	1.72%	47.31
XLE	Energy Select Sector SPDR Fund	-10.89%	24.21%	0.25%	-0.16%	46.61
XLF	Financial Select Sector SPDR Fund	-11.41%	8.22%	-1.20%	-3.35%	50.34
XLU	Utilities Select Sector SPDR Fund	-11.57%	12.29%	2.58%	-0.90%	53.58
XLY	Consumer Discretionary Select Sector SPDR Fund	-14.74%	16.81%	1.90%	0.74%	54.74
XLRE	Real Estate Select Sector SPDR Fund	-18.41%	10.51%	0.33%	-3.67%	52.78

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLC	Communication Services Select Sector SPDR Fund	5.81%
VOX	Vanguard Communication Services ETF	5.03%
FCOM	Fidelity MSCI Communication Services Index ETF	5.00%
IYZ	iShares U.S. Telecommunications ETF	3.93%
EWCO	Invesco S&P 500 Equal Weight Communication Ser..	3.73%
PNQI	Invesco NASDAQ Internet ETF	3.67%
XHB	SPDR S&P Homebuilders ETF	3.40%
REM	iShares Mortgage Real Estate ETF	3.12%
FDN	First Trust Dow Jones Internet Index Fund	3.07%
MORT	VanEck Mortgage REIT Income ETF	3.02%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
VDC	Vanguard Consumer Staples ETF	69.32
IYK	iShares U.S. Consumer Staples ETF	69.12
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	68.80
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	68.55
XLP	Consumer Staples Select Sector SPDR Fund	68.42
PSL	Invesco DWA Consumer Staples Momentum ETF	67.42
FTXG	First Trust Nasdaq Food & Beverage ETF	66.36
ITB	iShares U.S. Home Construction ETF	65.91
FXG	First Trust Consumer Staples AlphaDEX Fund	63.38
PBJ	Invesco Dynamic Food & Beverage ETF	62.28

Sector & Industry 1 Day Performance Laggards

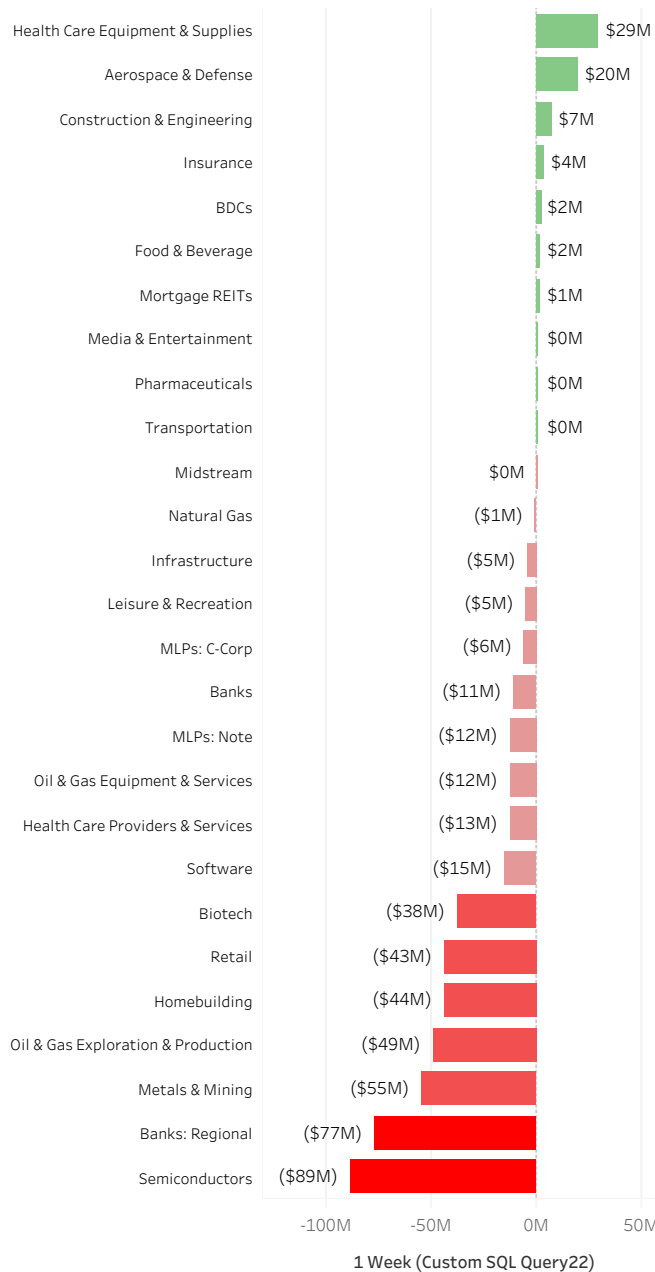
Ticker	Fund	1 Day Performance
XSD	SPDR S&P Semiconductor ETF	-3.35%
PSI	Invesco Dynamic Semiconductors ETF	-1.29%
PTF	Invesco DWA Technology Momentum ETF	-0.97%
XBI	SPDR S&P BIOTECH ETF	-0.69%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-0.21%
PJP	Invesco Dynamic Pharmaceuticals ETF	-0.11%
XHE	SPDR S&P Health Care Equipment ETF	-0.01%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	0.05%
PSCT	Invesco S&P SmallCap Information Technology ETF	0.09%
PTH	Invesco DWA Healthcare Momentum ETF	0.13%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XSD	SPDR S&P Semiconductor ETF	27.38
PSCT	Invesco S&P SmallCap Information Technology ETF	29.53
PSI	Invesco Dynamic Semiconductors ETF	30.52
IGN	iShares North American Tech-Multimedia Networking ETF	31.05
XTL	SPDR S&P Telecom ETF	33.91
PTF	Invesco DWA Technology Momentum ETF	35.37
FTXL	First Trust Nasdaq Semiconductor ETF	35.91
QABA	First Trust NASDAQ ABA Community Bank Index Fund	36.26
SOXX	iShares Semiconductor ETF	37.52
KBWY	Invesco KBW Premium Yield Equity REIT ETF	38.17

* 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	\$14B	(\$4M)	\$1,169M	\$1,265M	\$835M
Consumer Discretionary	12	\$22B	(\$192M)	\$875M	\$147M	(\$1,366M)
Consumer Staples	10	\$32B	(\$158M)	\$747M	\$2,607M	\$3,638M
Energy	32	\$72B	(\$460M)	(\$5,759M)	(\$6,465M)	(\$9,097M)
Financials	26	\$55B	\$329M	\$2,684M	\$968M	(\$6,595M)
Health Care	23	\$92B	\$61M	(\$3,057M)	(\$1,802M)	\$1,305M
Industrial	13	\$31B	(\$239M)	\$504M	\$1,732M	(\$1,327M)
Materials	9	\$14B	\$33M	(\$28M)	\$554M	(\$3,017M)
Multi-Sector	19	\$14B	(\$12M)	\$320M	(\$265M)	(\$1,800M)
Real Estate	25	\$55B	(\$45M)	(\$2,674M)	(\$2,734M)	(\$6,355M)
Technology	23	\$126B	(\$100M)	\$494M	(\$782M)	\$366M
Utilities	9	\$26B	\$25M	(\$144M)	(\$264M)	\$2,093M

U.S. Sector & Industry Flow Leaders

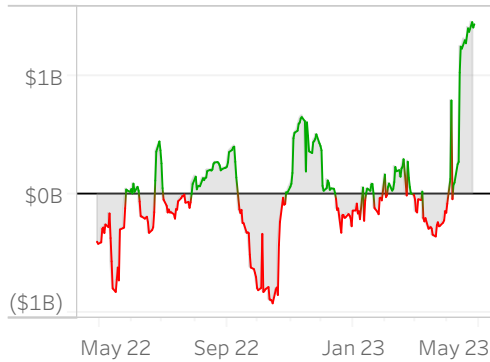
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$422M	\$1,939M	\$1,572M	(\$2,941M)	\$31,585M
XLV	Health Care Select Sector SPDR Fund	\$101M	(\$876M)	(\$188M)	\$2,187M	\$40,019M
IYM	iShares U.S. Basic Materials ETF	\$79M	\$140M	(\$14M)	(\$107M)	\$898M
XLK	Technology Select Sector SPDR Fund	\$65M	(\$1,657M)	(\$2,017M)	(\$1,852M)	\$41,439M
XLU	Utilities Select Sector SPDR Fund	\$52M	\$245M	\$77M	\$1,633M	\$16,304M
FDN	First Trust Dow Jones Internet Index Fund	\$42M	(\$154M)	(\$486M)	(\$698M)	\$3,809M
FXD	First Trust Consumer Discretionary AlphaDEX F..	\$21M	\$893M	\$856M	\$625M	\$1,246M
ITA	iShares U.S. Aerospace & Defense ETF	\$17M	\$720M	\$1,611M	\$1,752M	\$5,895M
IHI	iShares U.S. Medical Devices ETF	\$17M	(\$142M)	(\$527M)	(\$1,187M)	\$6,279M
FXZ	First Trust Materials AlphaDEX Fund	\$16M	\$183M	\$224M	\$76M	\$1,625M

U.S. Sector & Industry Flow Laggards

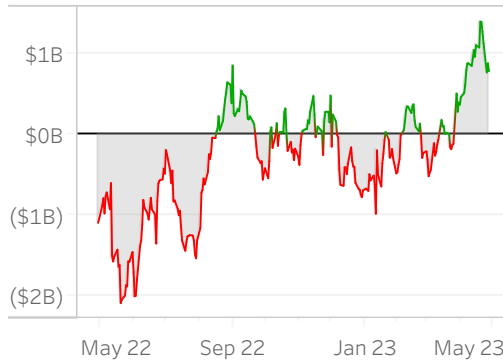
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$380M)	(\$1,719M)	(\$1,874M)	(\$1,858M)	\$38,441M
XLI	Industrial Select Sector SPDR Fund	(\$267M)	(\$437M)	(\$171M)	(\$1,521M)	\$13,243M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$154M)	\$25M	(\$411M)	(\$835M)	\$14,179M
XLP	Consumer Staples Select Sector SPDR Fund	(\$153M)	\$635M	\$1,845M	\$1,883M	\$18,459M
SOXX	iShares Semiconductor ETF	(\$82M)	\$321M	\$299M	(\$297M)	\$7,075M
KRE	SPDR S&P Regional Banking ETF	(\$75M)	\$1,277M	\$309M	(\$348M)	\$2,727M
VNQ	Vanguard Real Estate ETF	(\$73M)	(\$802M)	(\$1,129M)	(\$4,033M)	\$31,843M
XME	SPDR S&P Metals & Mining ETF	(\$55M)	(\$252M)	\$137M	(\$608M)	\$2,013M
IBB	iShares Biotechnology ETF	(\$53M)	(\$681M)	(\$129M)	(\$353M)	\$7,992M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$49M)	(\$568M)	(\$1,023M)	(\$1,942M)	\$3,336M

* 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



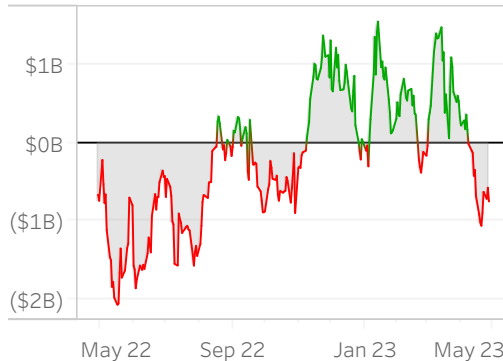
Energy



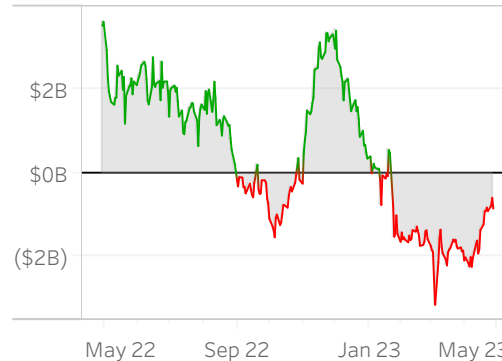
Financials



Industrial



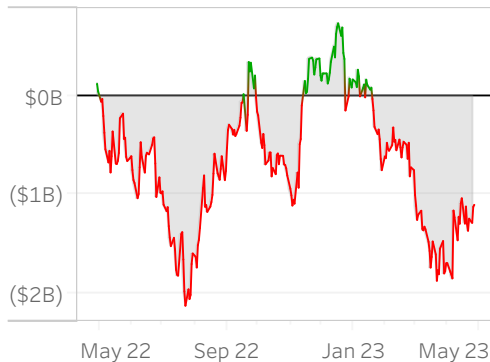
Health Care



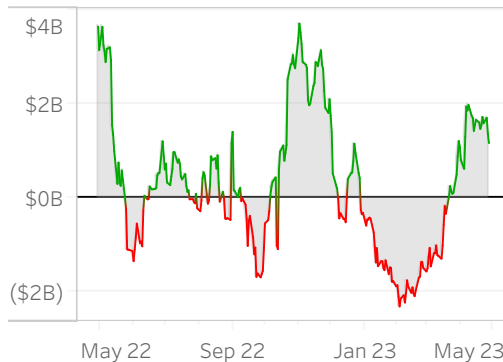
Materials



Real Estate



Technology



Utilities

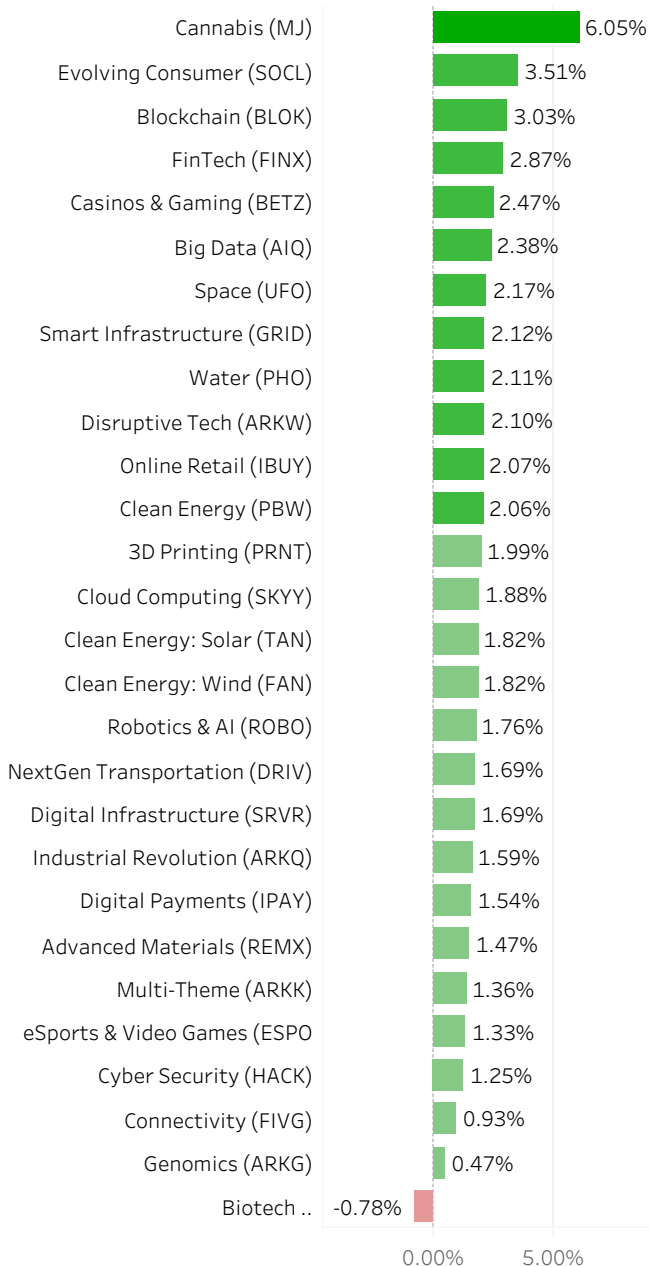


Multi-Sector

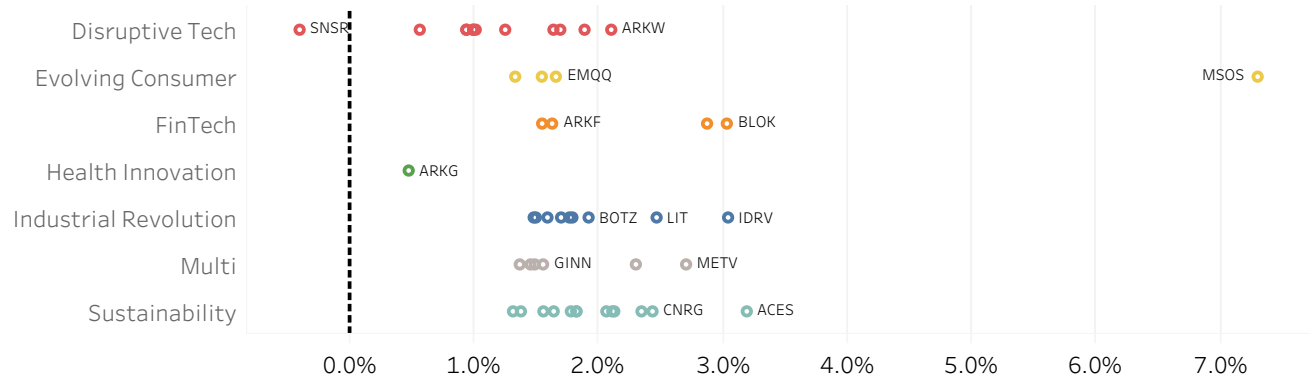


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

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	7.29%
MJ	ETFMG Alternative Harvest ETF	6.05%
MJUS	ETFMG U.S. Alternative Harvest ETF	5.76%
BKCH	Global X Blockchain ETF	3.85%
SOCL	Global X Social Media ETF	3.51%
ONLN	ProShares Online Retail ETF	3.40%
BITQ	Bitwise Crypto Industry Innovators ETF	3.38%
ACES	ALPS Clean Energy ETF	3.19%
IDRV	iShares Self-driving EV & Tech ETF	3.04%
BLOK	Amplify Transformational Data Sharing ETF	3.03%

Thematic Most Overbought

Ticker	Fund	Price
AGNG	Global X Aging Population ETF	62.89
BETZ	Roundhill Sports Betting & iGaming ETF	61.02
PAWZ	ProShares Pet Care ETF	58.00
GBUY	Goldman Sachs Future Consumer Equity ETF	57.68
BJK	VanEck Gaming ETF	57.18
KLDW	Knowledge Leaders Developed World ETF	56.81
MILN	Global X Millennial Consumer ETF	56.51
SBIO	ALPS Medical Breakthroughs ETF	56.03
BITQ	Bitwise Crypto Industry Innovators ETF	55.78
BOTZ	Global X Robotics & Artificial Intelligence ETF	54.89

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SBIO	ALPS Medical Breakthroughs ETF	-0.78%
SNSR	Global X Internet of Things ETF	-0.41%
BTEC	Principal Healthcare Innovators ETF	-0.09%
GDOC	Goldman Sachs Future Health Care Equity ETF	0.02%
IDNA	iShares Genomics Immunology and Healthcare ETF	0.04%
AGNG	Global X Aging Population ETF	0.18%
EDOC	Global X Telemedicine & Digital Health ETF Registered	0.34%
IZRL	ARK Israel Innovative Technology ETF	0.42%
GNOM	Global X Genomics & Biotechnology ETF	0.44%
HTEC	ROBO Global Healthcare Technology and Innovation E..	0.46%

Thematic Most Oversold

Ticker	Fund	Price
SNSR	Global X Internet of Things ETF	32.48
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	34.05
FIVG	Defiance Next Gen Connectivity ETF	34.99
IHAK	iShares Cybersecurity & Tech ETF	36.05
BUG	Global X Cybersecurity ETF	36.26
CIBR	First Trust NASDAQ Cybersecurity ETF	36.57
ARKK	ARK Innovation ETF	37.59
PBW	Invesco WilderHill Clean Energy ETF	37.80
ARKQ	ARK Autonomous Technology & Robotics ETF	38.30
XITK	SPDR FactSet Innovative Technology ETF	38.83

* 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
PBW	Invesco WilderHill Clean Energy ETF	\$9M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$4M
FIW	First Trust Water ETF	\$4M
BJK	VanEck Gaming ETF	\$3M
FIVG	Defiance Next Gen Connectivity ETF	\$3M
AIQ	Global X Artificial Intelligence & Technology ETF	\$2M
QTUM	Defiance Quantum ETF	\$2M
TARK	AXS 2X Innovation ETF	\$2M
THNQ	ROBO Global Artificial Intelligence ETF	\$2M

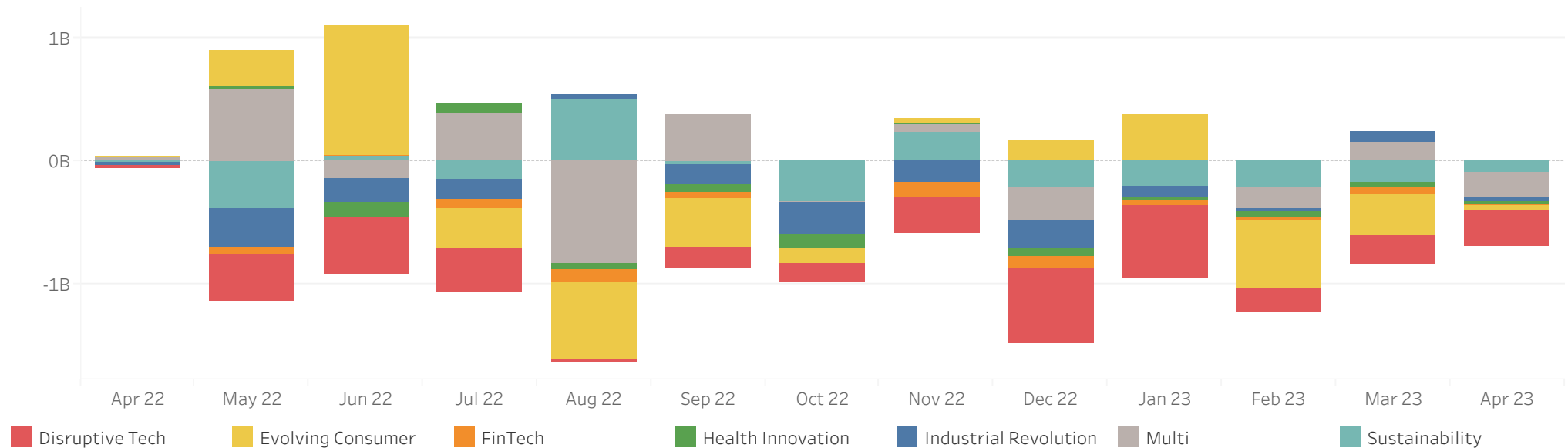
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$222M)
CGW	Invesco S&P Global Water Index ETF	(\$52M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$50M)
LIT	Global X Lithium & Battery Tech ETF	(\$24M)
KWEB	KraneShares CSI China Internet ETF	(\$16M)
GNOM	Global X Genomics & Biotechnology ETF	(\$14M)
TAN	Invesco Solar ETF	(\$12M)
ARKG	ARK Genomic Revolution ETF	(\$9M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$7M)
SKYY	First Trust Cloud Computing ETF	(\$6M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$14B	(\$69M)	(\$760M)	(\$2,217M)	(\$3,764M)
Evolving Consumer	44	\$8B	(\$25M)	(\$840M)	(\$361M)	(\$488M)
FinTech	18	\$2B	(\$6M)	(\$95M)	(\$349M)	(\$641M)
Health Innovation	18	\$3B	(\$28M)	(\$97M)	(\$174M)	(\$430M)
Industrial Revolution	31	\$10B	(\$32M)	\$21M	(\$520M)	(\$1,566M)
Multi	41	\$13B	(\$188M)	(\$175M)	(\$365M)	\$27M
Sustainability	40	\$17B	(\$75M)	(\$491M)	(\$668M)	(\$994M)
Grand Total	226	\$68B	(\$424M)	(\$2,436M)	(\$4,653M)	(\$7,855M)

Thematic Monthly Flows

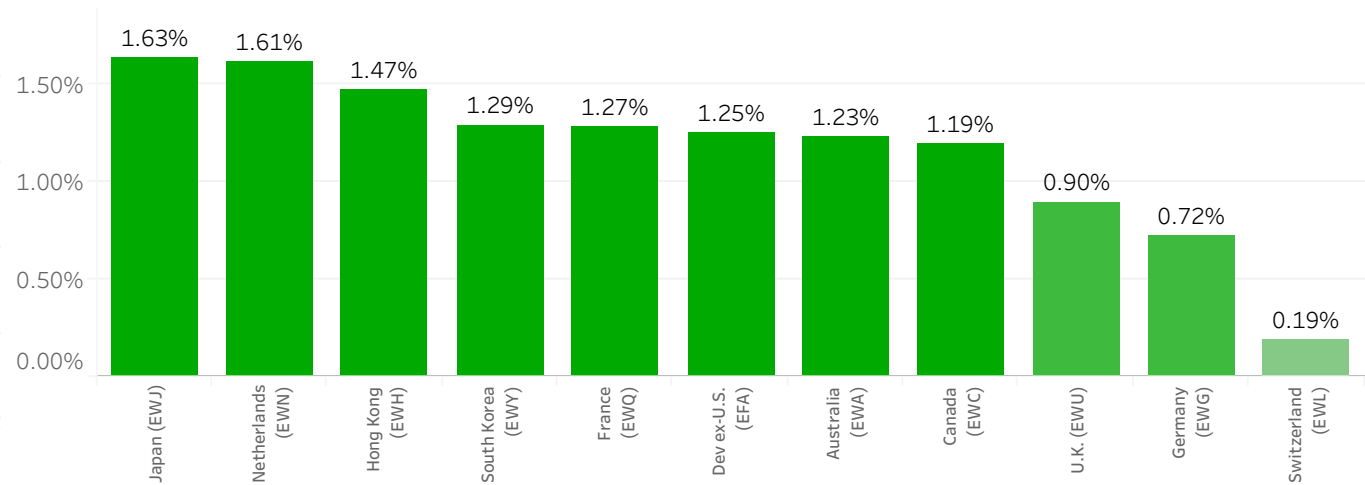


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



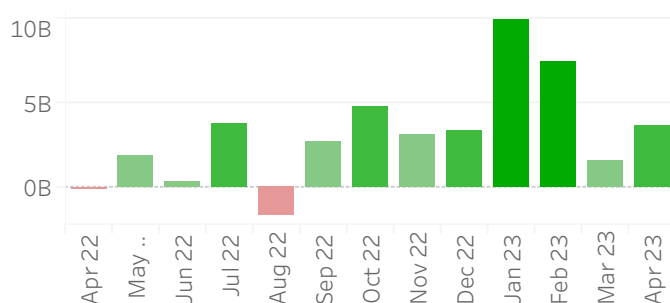
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWD	iShares MSCI Sweden ETF	2.83%
EIS	iShares MSCI Israel ETF	2.64%
ISRA	VanEck Israel ETF	2.61%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	2.20%
EDEN	iShares MSCI Denmark ETF	2.18%
DXJ	WisdomTree Japan Hedged Equity Fund	2.02%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.86%
EWI	iShares MSCI Italy ETF	1.79%
FJP	First Trust Japan AlphaDEX Fund	1.76%
EWP	iShares MSCI Spain ETF	1.76%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EFAV	iShares MSCI EAFE Min Vol Factor ETF	70.07
EUDG	WisdomTree Europe Quality Dividend Growth Fund	69.51
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	68.68
IDLV	Invesco S&P International Developed Low Volatility ETF	68.25
EWL	iShares MSCI Switzerland ETF	68.02
IHDG	WisdomTree International Hedged Quality Dividend Grow..	67.14
FLSW	Franklin FTSE Switzerland ETF	67.08
IQDG	WisdomTree International Quality Dividend Growth Fund	66.76
IMFL	Invesco International Developed Dynamic Multifactor ETF	66.51
EWQ	iShares MSCI France ETF	65.64

Developed ex-U.S. Monthly Flows



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

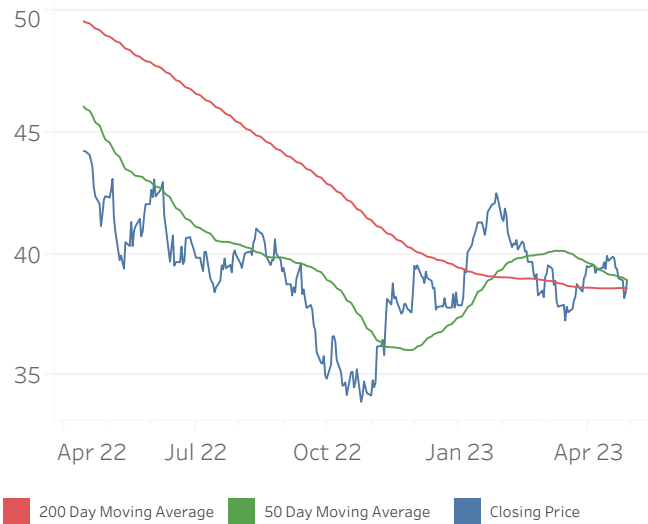
Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	0.06%
EWL	iShares MSCI Switzerland ETF	0.19%
FLSW	Franklin FTSE Switzerland ETF	0.21%
EWS	iShares MSCI Singapore ETF	0.36%
FSZ	First Trust Switzerland AlphaDEX Fund	0.41%
IDLV	Invesco S&P International Developed Low Volatility ETF	0.60%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	0.67%
GREK	Global X MSCI Greece ETF	0.70%
EWG	iShares MSCI Germany ETF	0.72%
FYLD	Cambria Foreign Shareholder Yield ETF	0.76%

Developed ex-U.S. Most Oversold

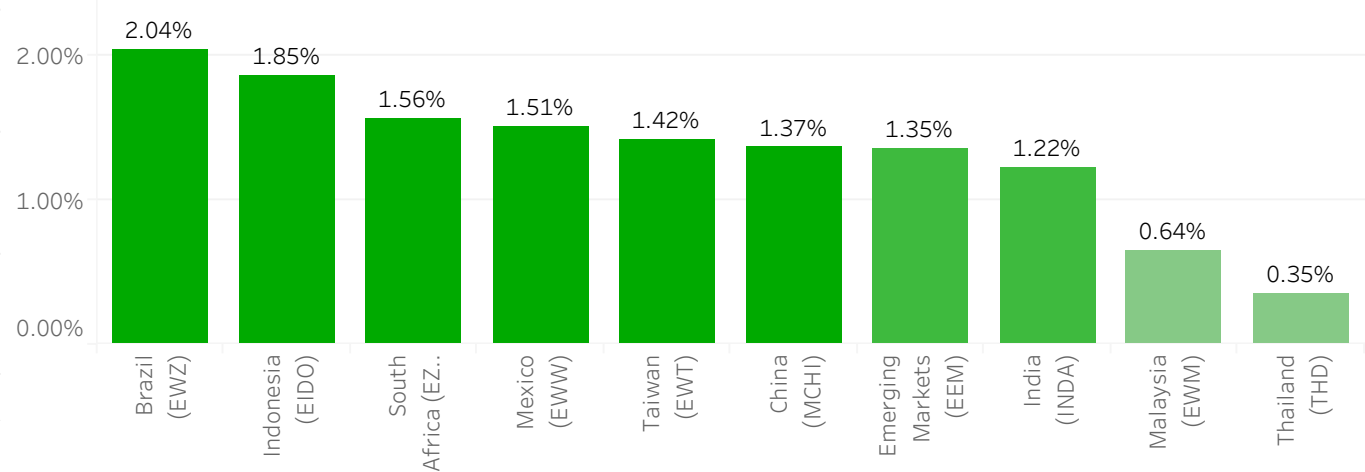
Ticker	Fund	Value
MINV	Matthews Asia Innovators Active ETF	41.66
AIA	iShares Asia 50 ETF	42.57
AAXJ	iShares MSCI All Country Asia ex Japan ETF	45.58
ISRA	VanEck Israel ETF	46.70
EWY	iShares MSCI South Korea ETF	47.14
FLKR	Franklin FTSE South Korea ETF	47.19
NORW	Global X MSCI Norway ETF	48.14
IVAL	Alpha Architect International Quantitative Value ETF	48.56
ENZL	iShares MSCI New Zealand ETF	48.67
EIS	iShares MSCI Israel ETF	49.09

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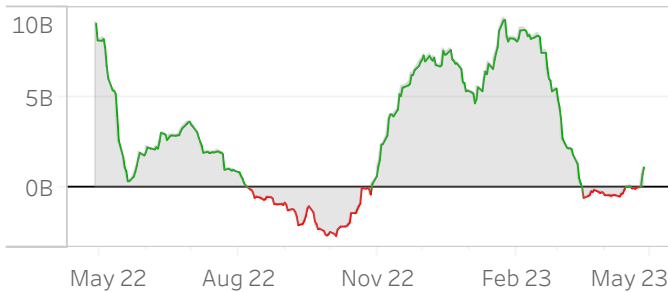
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



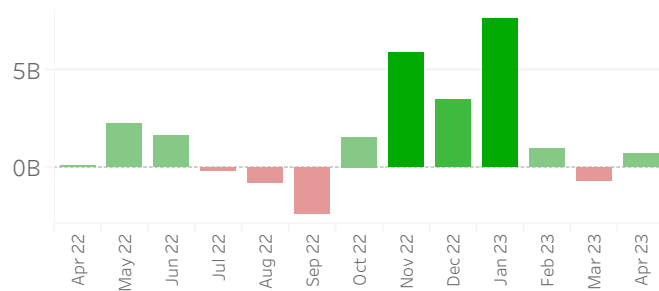
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EPOL	iShares MSCI Poland ETF	4.51%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.78%
FRDM	Freedom 100 Emerging Markets ETF	2.42%
EWZ	iShares MSCI Brazil ETF	2.04%
EPHE	iShares MSCI Philippines ETF	1.90%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	1.89%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.86%
EIDO	iShares MSCI Indonesia ETF	1.85%
FLBR	Franklin FTSE Brazil ETF	1.83%
ILF	iShares Latin America 40 ETF	1.76%

Emerging Most Overbought

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	74.44
KSA	iShares MSCI Saudi Arabia ETF	72.79
EIDO	iShares MSCI Indonesia ETF	70.65
FLIN	Franklin FTSE India ETF	67.73
EPI	WisdomTree India Earnings Fund	67.49
INDA	iShares MSCI India ETF	67.24
INDY	iShares India 50 ETF	66.49
KWT	iShares MSCI Kuwait ETF	65.52
NFTY	First Trust India NIFTY 50 Equal Weight ETF	65.35
PIN	Invesco India ETF	65.12

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	0.28%
THD	iShares MSCI Thailand ETF	0.35%
EPU	iShares MSCI Peru and Global Exposure ETF	0.36%
EWM	iShares MSCI Malaysia ETF	0.64%
EYLD	Cambria Emerging Shareholder Yield ETF	0.67%
KSA	iShares MSCI Saudi Arabia ETF	0.79%
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	0.80%
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	0.84%
PIN	Invesco India ETF	0.89%
EWX	SPDR S&P Emerging Markets Small Cap ETF	0.90%

Emerging Most Oversold

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	36.26
PGJ	Invesco Golden Dragon China ETF	37.64
FLTW	Franklin FTSE Taiwan ETF	40.21
ECNS	iShares MSCI China Small-Cap ETF	40.43
EWT	iShares MSCI Taiwan ETF	40.55
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	41.52
CNYA	iShares MSCI China A ETF	41.58
EWM	iShares MSCI Malaysia ETF	41.83
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	41.88
RAYC	Rayliant Quantamental China Equity ETF	42.03

*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	-0.36%	0.63%	3.30%
SHY	1-3 Year Treasury Bonds	-0.19%	0.12%	1.75%
IEF	7-10 Year Treasury Bonds	-0.65%	0.53%	3.99%
TLT	20+ Year Treasury Bonds	-0.99%	0.67%	6.03%
TIP	TIPS Bonds	-0.34%	1.04%	3.51%
FLOT	Floating Rate Bonds	0.54%	1.37%	1.88%
LQD	Investment Grade Corporate	-0.37%	1.16%	4.47%
HYG	High Yield Corporate	0.33%	2.67%	3.50%
BKLN	Senior Loan	0.34%	2.31%	4.39%
PFF	Preferred & Income Securities	0.82%	3.55%	3.91%
MUB	Municipal Bonds	-0.22%	-0.02%	1.88%
MBB	MBS	-0.30%	0.26%	2.61%
EMB	Dollar Denominated EM Bonds	0.02%	0.81%	2.14%
LEMB	Local Currency EM Bond	0.04%	1.45%	3.87%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.10%	-0.11%	-8.10%
DBE	Energy	0.09%	-2.13%	-12.31%
USO	WTI Crude Oil	0.69%	2.59%	-6.13%
BNO	Brent Crude Oil	0.73%	1.43%	-7.14%
UNG	Natural Gas	1.78%	-2.69%	-51.21%
UGA	Gasoline	-0.33%	-3.97%	-3.62%
DBP	Precious Metals	0.17%	3.01%	7.67%
GLD	Gold	0.01%	1.54%	8.91%
SLV	Silver	0.26%	7.87%	3.95%
PPLT	abrdn Physical Platin..	-0.68%	10.69%	0.73%
PALL	abrdn Physical Palla..	-1.46%	5.42%	-16.41%
DBB	Base Metals	0.37%	-4.78%	-1.75%
CPER	Copper	0.93%	-4.60%	3.20%
LD	Lead	0.39%	-1.10%	-8.21%
JJN	Nickel	2.22%	1.99%	-19.44%
JJU	Aluminum	0.07%	-1.87%	-3.90%
JJT	Tin	0.24%	0.86%	3.83%
DBA	Agriculture	-0.19%	4.12%	4.12%
CORN	Corn	-2.66%	-7.13%	-12.92%
SOYB	Soybeans	-0.53%	-1.35%	-8.25%
WEAT	Wheat	-1.70%	-10.42%	-20.30%
CANE	Sugar	2.67%	28.60%	45.33%
BAL	Cotton	2.18%	1.17%	-2.96%
NIB	Cocoa	-1.19%	4.33%	17.90%
JO	Coffee	-1.41%	8.29%	15.38%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.04%	-0.82%	-0.36%
UDN	Short Dollar	0.00%	1.66%	2.81%
FXE	Euro	-0.06%	2.24%	3.32%
FXB	British Pound Sterling	0.28%	1.88%	4.22%
FXF	Swiss Franc	-0.34%	2.44%	3.24%
FXJ	Japanese Yen	-0.17%	-1.74%	-2.18%
FXC	Canadian Dollar	0.36%	0.81%	0.25%
FXA	Australian Dollar	0.48%	-0.14%	-2.41%

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