

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

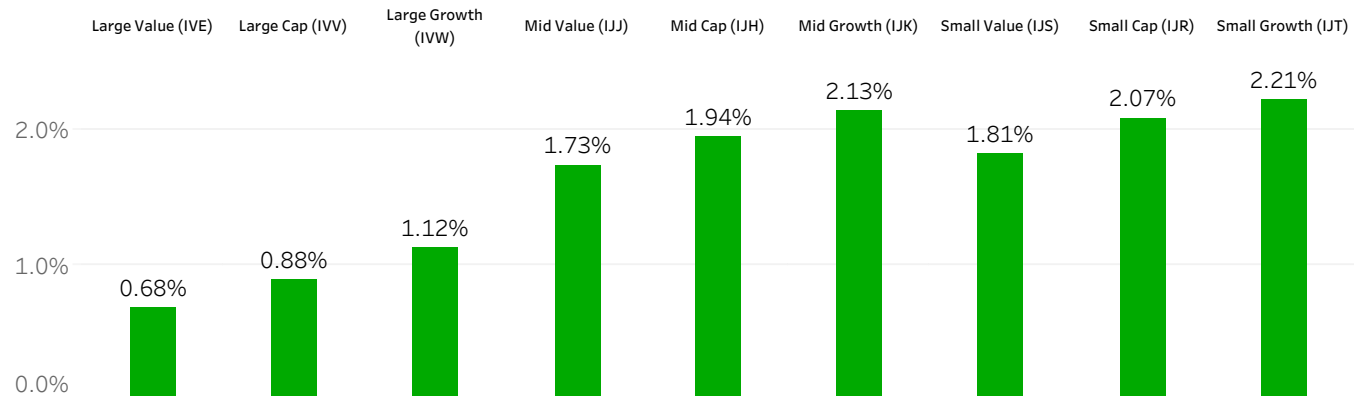


Small Cap Blend (S&P 600) IJR



■ 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	Performance
CALF	Pacer US Small Cap Cash Cows 100 ETF	4.65%
BUZZ	VanEck Social Sentiment ETF	4.21%
IPO	Renaissance IPO ETF	3.65%
QVAL	Alpha Architect U.S. Quantitative Value ETF	3.25%
SYLD	Cambria Shareholder Yield ETF	3.15%
DWAS	Invesco DWA SmallCap Momentum ETF	3.07%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	3.05%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	2.92%
VUSE	Vident Core US Equity Fund	2.83%
XMHQ	Invesco S&P MidCap Quality ETF	2.80%

Size & Style Most Overbought

Ticker	Fund	Value
FDL	First Trust Morningstar Dividend Leaders Index Fund	59.66
DIVZ	TrueShares Low Volatility Equity Income ETF	58.09
DHS	WisdomTree U.S. High Dividend Fund	57.63
HDV	iShares Core High Dividend ETF	56.41
PEY	Invesco High Yield Equity Dividend Achievers ETF	56.05
DIV	Global X SuperDividend US ETF	55.50
DVY	iShares Select Dividend ETF	55.25
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	54.79
WBIY	WBI Power Factor High Dividend ETF	53.68
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	53.57

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	-0.52%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-0.16%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.05%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.02%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.01%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.00%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
SPLV	Invesco S&P 500 Low Volatility ETF	0.02%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	0.09%
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	0.14%

Size & Style Most Oversold

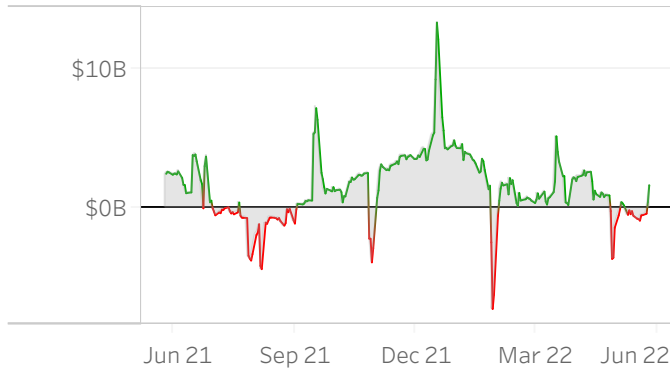
Ticker	Fund	Value
PABU	iShares Paris-Aligned Climate MSCI USA ETF	27.75
SPC	CrossingBridge Pre-Merger SPAC ETF	27.88
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	30.37
TMFS	Motley Fool Small-Cap Growth ETF	37.31
LGH	HCM Defender 500 Index ETF	37.43
QQH	HCM Defender 100 Index ETF	37.48
RUFF	Alpha Dog ETF	37.74
ACSI	American Customer Satisfaction ETF	37.78
TMFC	Motley Fool 100 Index ETF	37.83
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	37.85

*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 Growth, Beta	25	\$1,169B	\$8.07B	\$9.00B	\$49.08B	\$129.15B
Large Cap, Beta Growth, Beta: Growth	10	\$208B	\$1.21B	\$6.78B	\$8.14B	\$16.91B
Large Cap, Beta Growth, Beta: Value	11	\$218B	\$1.13B	\$4.70B	\$17.53B	\$26.98B
Mid Cap, Beta, Beta	10	\$169B	\$0.29B	\$3.06B	\$6.80B	\$10.92B
Mid Cap, Beta, Beta: Growth	6	\$30B	\$0.22B	\$0.10B	(\$0.60B)	\$0.09B
Mid Cap, Beta, Beta: Value	6	\$39B	\$0.53B	(\$0.68B)	\$0.27B	\$0.21B
Small Cap, Beta, Beta	13	\$182B	(\$0.64B)	(\$4.76B)	(\$3.96B)	\$7.94B
Small Cap, Beta, Beta: Growth	7	\$29B	(\$0.05B)	\$0.43B	\$0.67B	\$1.37B
Small Cap, Beta, Beta: Value	7	\$50B	\$0.33B	(\$3.03B)	(\$2.12B)	(\$1.91B)

U.S. Size & Style Flow Leaders

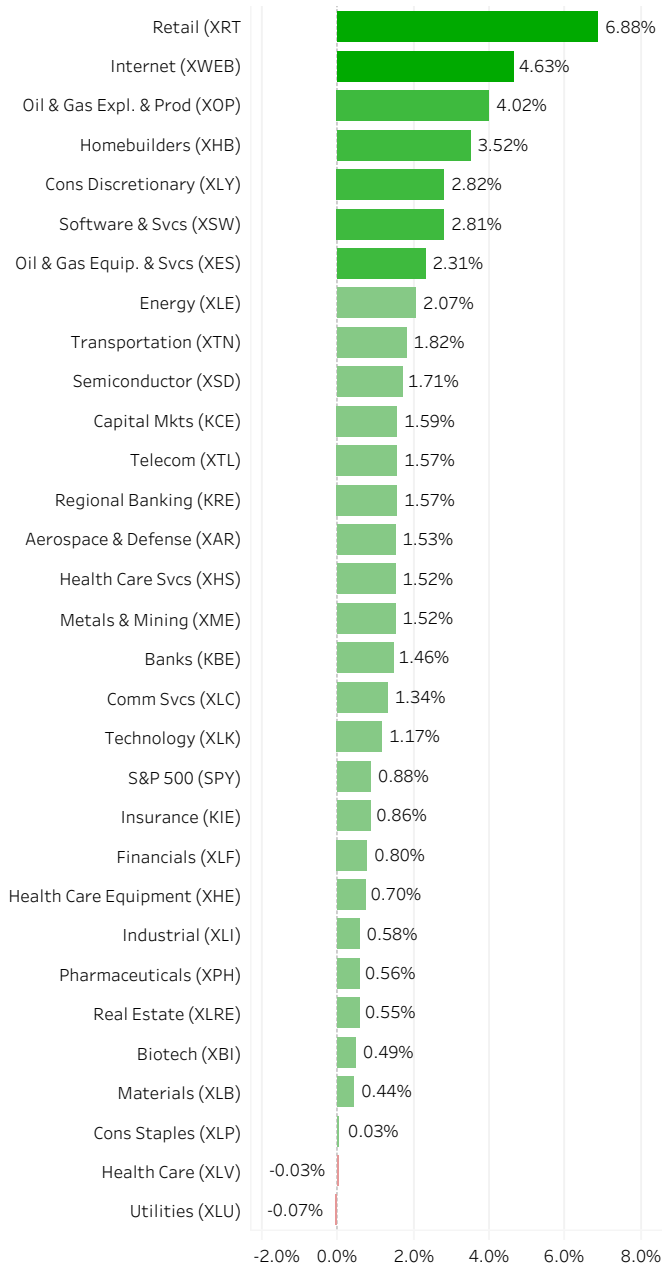
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$5.25B	\$5.98B	\$5.49B	\$25.40B	\$359.18B
VOO	Vanguard S&P 500 ETF	\$1.18B	(\$1.93B)	\$16.30B	\$40.47B	\$247.79B
IVV	iShares Core S&P 500 ETF	\$1.05B	(\$1.19B)	\$12.11B	\$26.11B	\$285.66B
HDV	iShares Core High Dividend ETF	\$0.78B	\$3.88B	\$4.44B	\$4.82B	\$12.61B
IVE	iShares S&P 500 Value ETF	\$0.63B	\$1.22B	\$2.65B	\$2.40B	\$24.68B
IJS	iShares S&P Small-Cap 600 Value ETF	\$0.33B	(\$0.02B)	\$0.25B	(\$0.03B)	\$8.24B
VUG	Vanguard Growth ETF	\$0.30B	\$3.12B	\$4.34B	\$6.52B	\$67.50B
IWS	iShares Russell Mid-Cap Value ETF	\$0.29B	(\$0.60B)	(\$0.26B)	(\$0.15B)	\$13.30B
IWY	iShares Russell Top 200 Growth ETF	\$0.27B	\$0.67B	\$0.92B	\$1.20B	\$4.29B
IWF	iShares Russell 1000 Growth ETF	\$0.25B	\$1.01B	\$1.27B	\$0.76B	\$58.04B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.44B)	\$1.16B	\$2.00B	\$1.63B	\$10.16B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.39B)	(\$1.93B)	(\$4.67B)	(\$6.03B)	\$9.97B
IJR	iShares Core S&P Small Cap ETF	(\$0.39B)	(\$1.24B)	\$0.52B	\$2.19B	\$62.00B
VB	Vanguard Small-Cap ETF	(\$0.31B)	(\$0.95B)	\$0.29B	\$3.10B	\$40.59B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.15B)	\$0.91B	\$2.06B	\$6.95B	\$21.86B
VBK	Vanguard Small-Cap Growth ETF	(\$0.11B)	\$0.18B	\$0.38B	\$0.97B	\$11.95B
XMLV	Invesco S&P MidCap Low Volatility ETF	(\$0.10B)	(\$0.03B)	(\$0.12B)	(\$0.37B)	\$1.18B
SPHB	Invesco S&P 500 High Beta ETF	(\$0.09B)	(\$0.38B)	(\$0.85B)	(\$1.34B)	\$0.53B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.08B)	\$0.91B	\$3.44B	\$4.14B	\$30.69B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.08B)	(\$0.60B)	(\$3.61B)	(\$3.98B)	\$9.79B

* 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	0.00%	87.79%	9.56%	34.79%	64.41
XLU	Utilities Select Sector SPDR Fund	-3.85%	17.03%	0.88%	6.80%	58.47
XLB	Materials Select Sector SPDR Fund	-7.49%	5.95%	-2.84%	-1.93%	48.33
XLV	Health Care Select Sector SPDR Fund	-8.09%	7.47%	-2.22%	-1.27%	50.43
XLP	Consumer Staples Select Sector SPDR Fund	-8.95%	6.63%	-4.10%	-1.07%	41.47
XLI	Industrial Select Sector SPDR Fund	-14.40%	2.17%	-6.52%	-9.64%	40.52
XLRE	Real Estate Select Sector SPDR Fund	-15.77%	4.58%	-6.51%	-7.58%	44.41
SPY	SPDR S&P 500 ETF Trust	-16.82%	2.03%	-7.09%	-10.75%	42.33
XLF	Financial Select Sector SPDR Fund	-17.46%	3.86%	-5.94%	-10.74%	46.19
XLK	Technology Select Sector SPDR Fund	-24.36%	2.18%	-8.77%	-14.82%	42.94
XLY	Consumer Discretionary Select Sector SPDR Fund	-32.97%	2.82%	-16.45%	-23.41%	35.12
XLC	Communication Services Select Sector SPDR Fund	-33.11%	1.34%	-9.80%	-21.96%	40.97

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XRT	SPDR S&P Retail ETF	6.88%
PSCE	Invesco S&P SmallCap Energy ETF	4.57%
FCG	First Trust Natural Gas ETF	4.19%
ITB	iShares U.S. Home Construction ETF	4.19%
FXD	First Trust Consumer Discretionary AlphaDEX Fund	4.18%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	4.02%
PXE	Invesco Dynamic Energy Exploration & Production ..	4.00%
PXI	Invesco DWA Energy Momentum ETF	3.62%
AMZA	InfraCap MLP ETF	3.60%
XHB	SPDR S&P Homebuilders ETF	3.52%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLE	Energy Select Sector SPDR Fund	64.41
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	64.20
PXE	Invesco Dynamic Energy Exploration & Production ETF	64.05
FENY	Fidelity MSCI Energy Index ETF	63.95
VDE	Vanguard Energy ETF	63.93
FCG	First Trust Natural Gas ETF	63.75
IYE	iShares U.S. Energy ETF	63.68
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	63.11
FXU	First Trust Utilities AlphaDEX Fund	62.87
RYE	Invesco S&P 500 Equal Weight Energy ETF	62.87

Sector & Industry 1 Day Performance Laggards

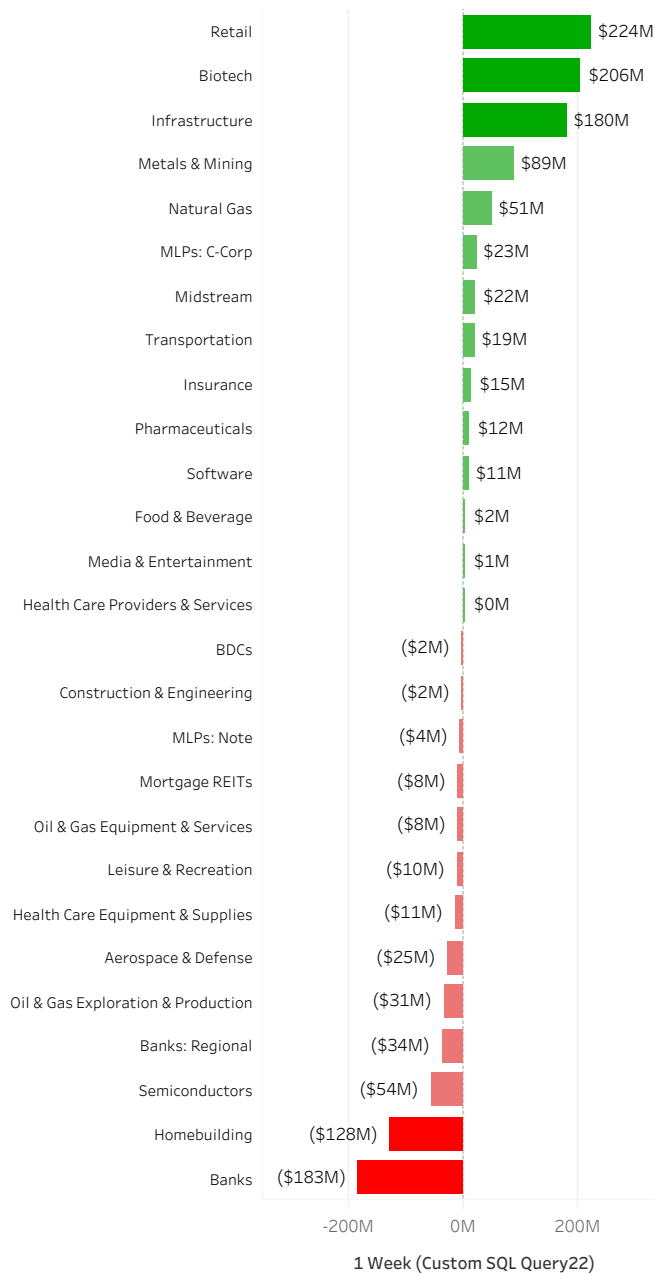
Ticker	Fund	1 Day Performance
IHI	iShares U.S. Medical Devices ETF	-0.34%
XLU	Utilities Select Sector SPDR Fund	-0.07%
IDU	iShares U.S. Utilities ETF	-0.03%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.03%
XLV	Health Care Select Sector SPDR Fund	-0.03%
IYH	iShares U.S. Healthcare ETF	-0.03%
XLP	Consumer Staples Select Sector SPDR Fund	0.03%
PUI	Invesco DWA Utilities Momentum ETF	0.05%
VPU	Vanguard Utilities ETF	0.07%
VHT	Vanguard Health Care ETF	0.09%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	31.17
FDN	First Trust Dow Jones Internet Index Fund	35.07
XLY	Consumer Discretionary Select Sector SPDR Fund	35.12
IYC	iShares U.S. Consumer Discretionary ETF	35.63
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	36.01
VCR	Vanguard Consumer Discretionary ETF	36.22
RCD	Invesco S&P 500 Equal Weight Consumer Discretionary E..	37.53
PNQI	Invesco NASDAQ Internet ETF	37.76
RWR	SPDR Dow Jones REIT ETF	38.30
IYT	iShares US Transportation ETF	38.40

* 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	9	\$14B	\$191M	(\$183M)	(\$1,143M)	\$210M
Consumer Discretionary	13	\$22B	\$271M	(\$2,607M)	(\$4,114M)	(\$4,294M)
Consumer Staples	12	\$27B	\$487M	\$2,623M	\$6,616M	\$7,058M
Energy	34	\$81B	(\$205M)	(\$1,423M)	\$3,972M	\$3,691M
Financials	28	\$63B	(\$481M)	(\$13,813M)	(\$7,800M)	(\$8,559M)
Health Care	26	\$87B	\$760M	\$4,886M	\$8,637M	\$12,088M
Industrial	14	\$29B	(\$187M)	(\$716M)	(\$1,671M)	(\$6,149M)
Materials	10	\$18B	\$232M	\$926M	\$1,003M	(\$492M)
Multi-Sector	19	\$15B	(\$8M)	(\$2,494M)	(\$4,036M)	(\$3,216M)
Real Estate	23	\$70B	(\$11M)	(\$2,599M)	(\$350M)	\$8,084M
Technology	24	\$116B	\$174M	\$1,206M	\$328M	\$6,078M
Utilities	10	\$26B	\$302M	\$2,823M	\$3,938M	\$4,615M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$545M	\$4,565M	\$6,405M	\$9,309M	\$38,349M
XLP	Consumer Staples Select Sector SPDR Fund	\$423M	\$875M	\$4,004M	\$4,298M	\$15,810M
XLK	Technology Select Sector SPDR Fund	\$361M	\$928M	\$1,469M	\$2,523M	\$39,634M
XBI	SPDR S&P BIOTECH ETF	\$288M	\$555M	\$2,346M	\$2,838M	\$5,542M
XLU	Utilities Select Sector SPDR Fund	\$258M	\$1,877M	\$2,570M	\$2,931M	\$16,274M
XRT	SPDR S&P Retail ETF	\$224M	(\$57M)	(\$334M)	(\$88M)	\$405M
IFRA	iShares U.S. Infrastructure ETF	\$223M	\$881M	\$943M	\$1,102M	\$1,695M
XLC	Communication Services Select Sector SPDR Fu..	\$161M	(\$157M)	(\$998M)	(\$195M)	\$9,654M
VOX	Vanguard Communication Services ETF	\$137M	(\$89M)	(\$24M)	\$367M	\$2,975M
XLB	Materials Select Sector SPDR Fund	\$130M	(\$485M)	(\$983M)	(\$2,001M)	\$7,111M

U.S. Sector & Industry Flow Laggards

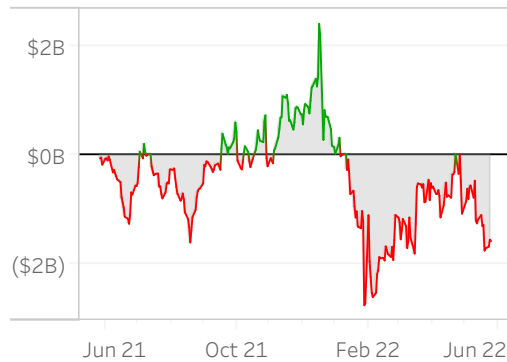
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYE	iShares U.S. Energy ETF	(\$357M)	(\$506M)	(\$436M)	(\$471M)	\$3,121M
KBWB	Invesco KBW Bank ETF	(\$192M)	(\$1,092M)	(\$425M)	(\$278M)	\$1,897M
XLI	Industrial Select Sector SPDR Fund	(\$182M)	(\$1,585M)	(\$1,928M)	(\$5,216M)	\$13,427M
FCOM	Fidelity MSCI Communication Services Index ETF	(\$128M)	(\$38M)	(\$88M)	\$89M	\$574M
XHB	SPDR S&P Homebuilders ETF	(\$120M)	(\$409M)	(\$507M)	(\$761M)	\$947M
IYG	iShares US Financial Services ETF	(\$109M)	(\$555M)	(\$509M)	(\$215M)	\$1,654M
IYW	iShares U.S. Technology ETF	(\$104M)	(\$90M)	(\$414M)	\$468M	\$6,613M
IBB	iShares Biotechnology ETF	(\$87M)	\$2M	\$81M	(\$313M)	\$7,367M
VFH	Vanguard Financials ETF	(\$71M)	(\$1,471M)	(\$649M)	(\$440M)	\$9,221M
XLF	Financial Select Sector SPDR Fund	(\$60M)	(\$8,107M)	(\$4,223M)	(\$5,824M)	\$33,466M

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

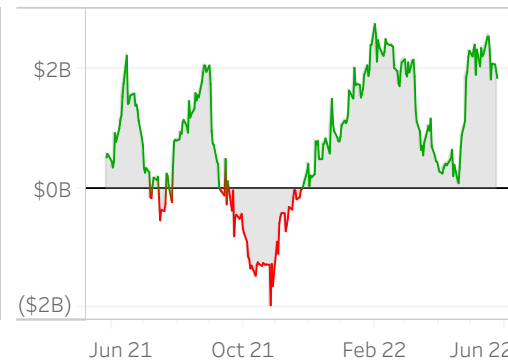
Communication Services



Consumer Discretionary



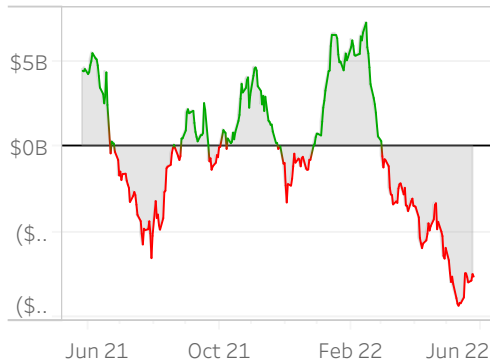
Consumer Staples



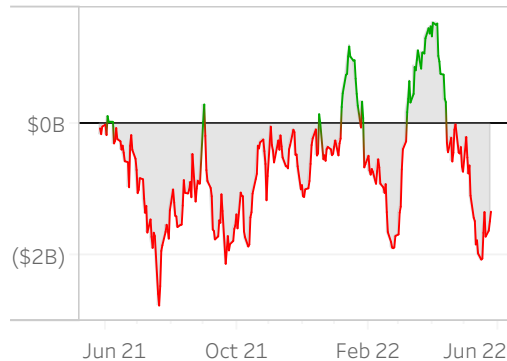
Energy



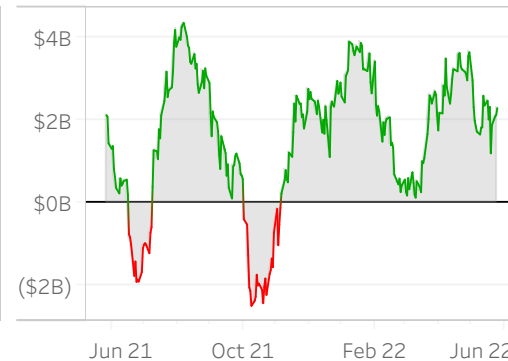
Financials



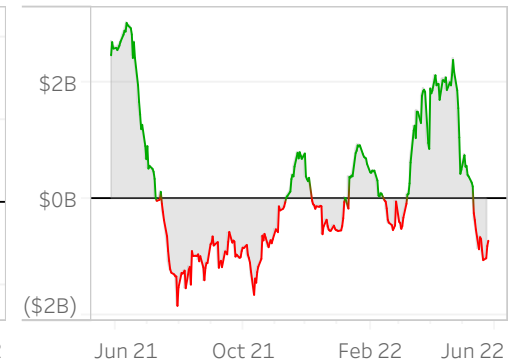
Industrial



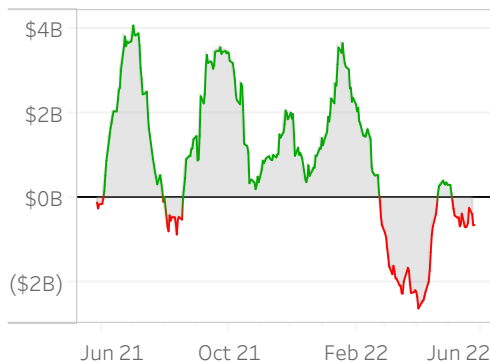
Health Care



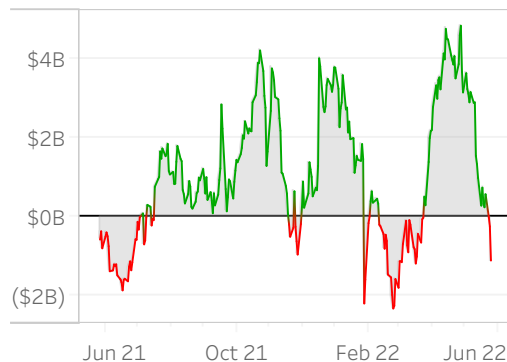
Materials



Real Estate



Technology



Utilities

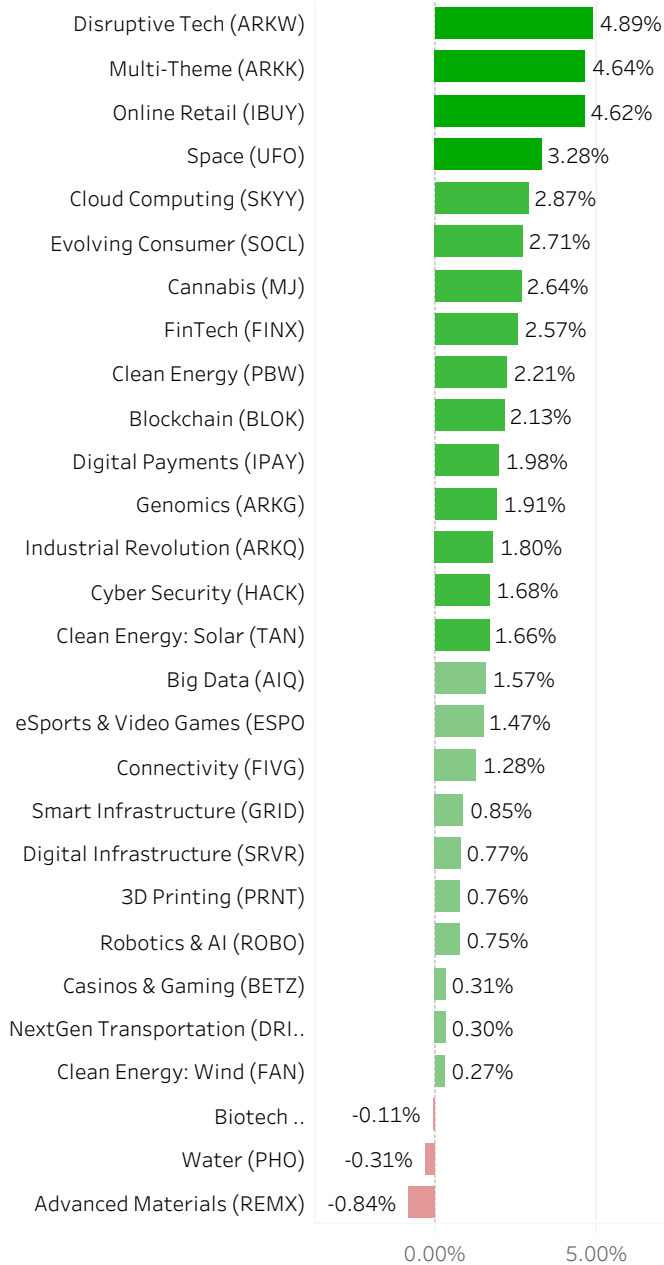


Multi-Sector

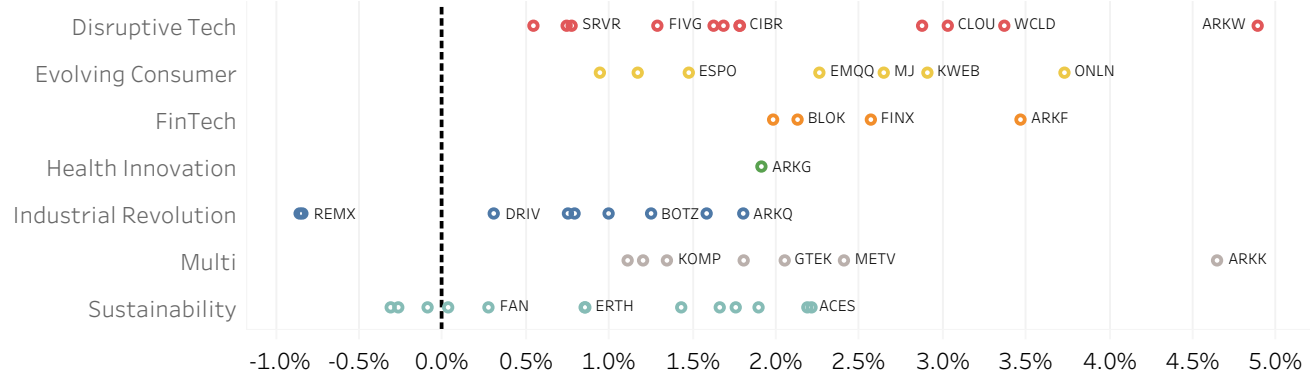


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ARKW	ARK Next Generation Internet ETF	4.89%
ARKK	ARK Innovation ETF	4.64%
IBUY	Amplify Online Retail ETF	4.62%
CTEC	Global X CleanTech ETF	3.98%
ONLN	ProShares Online Retail ETF	3.73%
EBIZ	Global X E-Commerce ETF	3.72%
XITK	SPDR FactSet Innovative Technology ETF	3.72%
BKCH	Global X Blockchain ETF	3.64%
ARKF	ARK Fintech Innovation ETF	3.46%
WCLD	WisdomTree Cloud Computing Fund	3.37%

Thematic Most Overbought

Ticker	Fund	Value
RNRG	Global X Funds Global X Renewable Energy Producers ETF	56.81
FAN	First Trust Global Wind Energy ETF	56.54
CTEC	Global X CleanTech ETF	53.68
TAN	Invesco Solar ETF	53.65
CNRG	SPDR S&P Kensho Clean Power ETF	53.17
LIT	Global X Lithium & Battery Tech ETF	53.12
ICLN	iShares Global Clean Energy ETF	52.91
VPN	Global X Data Center REITs & Digital Infrastructure ETF	52.63
HERO	Global X Video Games & Esports ETF	51.73
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	51.60

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
LIT	Global X Lithium & Battery Tech ETF	-0.86%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.84%
GBUY	Goldman Sachs Future Consumer Equity ETF	-0.52%
CNBS	Amplify Seymour Cannabis ETF	-0.36%
PHO	Invesco Water Resources ETF	-0.31%
CGW	Invesco S&P Global Water Index ETF	-0.27%
EBLU	Ecofin Global Water ESG Fund	-0.26%
GNOM	Global X Genomics & Biotechnology ETF	-0.17%
SBIO	ALPS Medical Breakthroughs ETF	-0.11%
FIW	First Trust Water ETF	-0.09%

Thematic Most Oversold

Ticker	Fund	Value
GBUY	Goldman Sachs Future Consumer Equity ETF	30.28
BKCH	Global X Blockchain ETF	30.34
BITQ	Bitwise Crypto Industry Innovators ETF	31.33
CNBS	Amplify Seymour Cannabis ETF	32.40
YOLO	AdvisorShares Pure Cannabis ETF	33.39
POTX	Global X Cannabis ETF	33.70
BLOK	Amplify Transformational Data Sharing ETF	34.64
IZRL	ARK Israel Innovative Technology ETF	35.42
MILN	Global X Millennial Consumer ETF	36.29
ONLN	ProShares Online Retail ETF	37.15

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$140M
TAN	Invesco Solar ETF	\$49M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$27M
ARKF	ARK Fintech Innovation ETF	\$11M
PBW	Invesco WilderHill Clean Energy ETF	\$10M
BUG	Global X Cybersecurity ETF	\$9M
TARK	AXS 2X Innovation ETF	\$6M
WCLD	WisdomTree Cloud Computing Fund	\$5M
CNRG	SPDR S&P Kensho Clean Power ETF	\$3M
AWAY	ETFMG Travel Tech ETF	\$2M

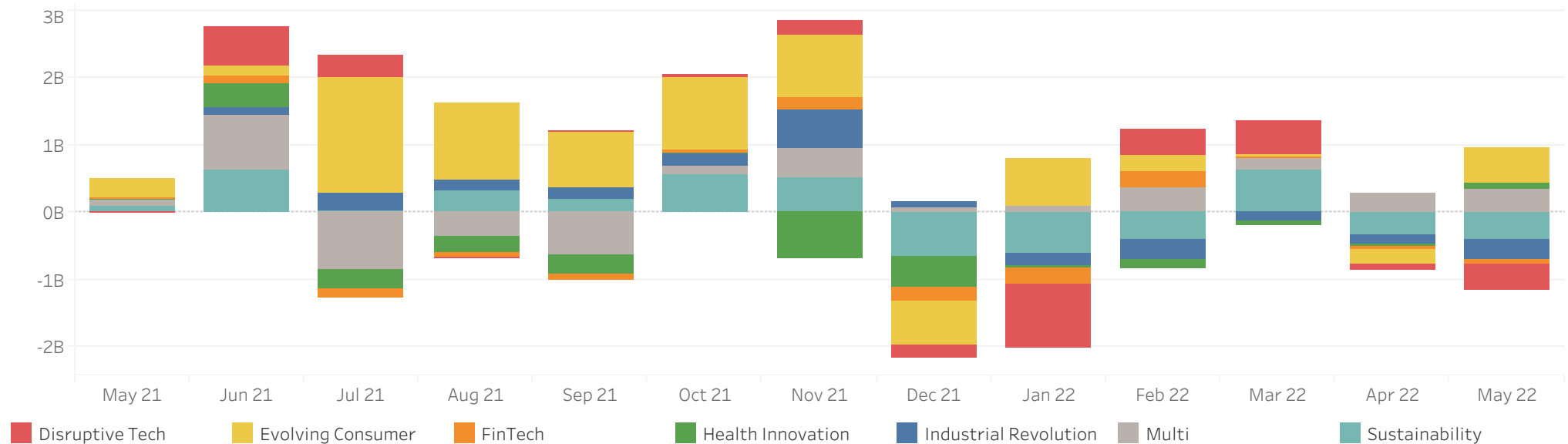
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$320M)
ICLN	iShares Global Clean Energy ETF	(\$40M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$29M)
XT	iShares Exponential Technologies ETF	(\$25M)
SKYY	First Trust Cloud Computing ETF	(\$20M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$13M)
CLOU	Global X Cloud Computing ETF	(\$10M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$9M)
ARKW	ARK Next Generation Internet ETF	(\$8M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$8M)

Thematic Landscape Assets & Flows

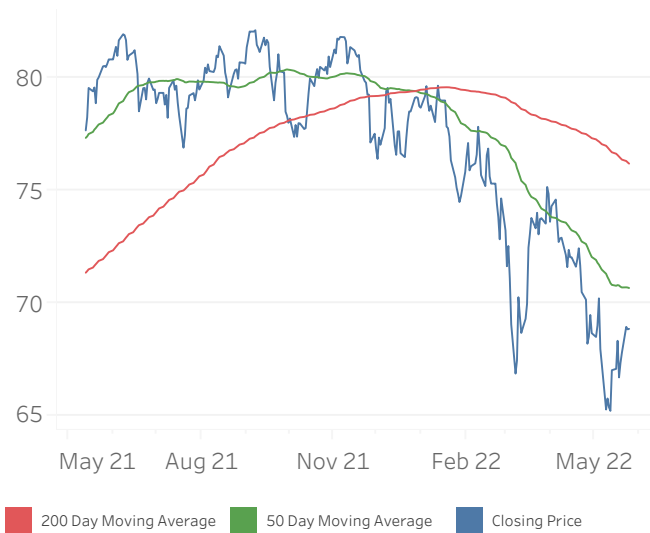
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	(\$47M)	\$71M	(\$700M)	\$437M
Evolving Consumer	48	\$10B	\$8M	\$347M	\$686M	\$6,775M
FinTech	24	\$3B	\$13M	(\$59M)	(\$257M)	(\$234M)
Health Innovation	19	\$3B	(\$10M)	(\$37M)	(\$686M)	(\$1,729M)
Industrial Revolution	32	\$12B	(\$38M)	(\$587M)	(\$972M)	\$448M
Multi	42	\$14B	(\$125M)	\$837M	\$1,406M	\$967M
Sustainability	41	\$17B	(\$1M)	(\$75M)	(\$1,714M)	\$613M
Grand Total	241	\$80B	(\$200M)	\$497M	(\$2,238M)	\$7,276M

Thematic Monthly Flows

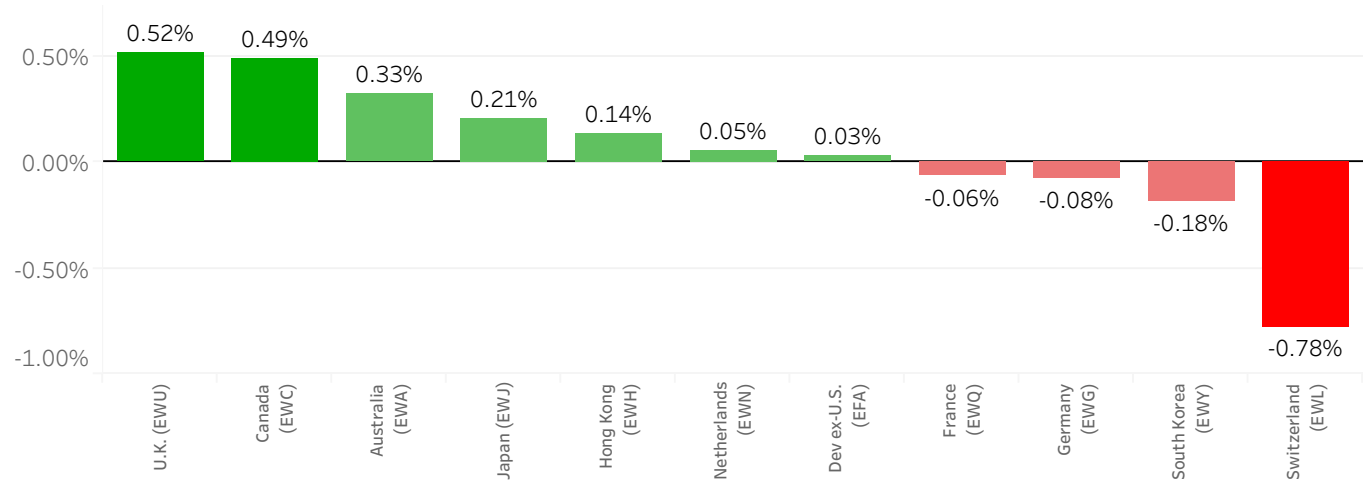


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

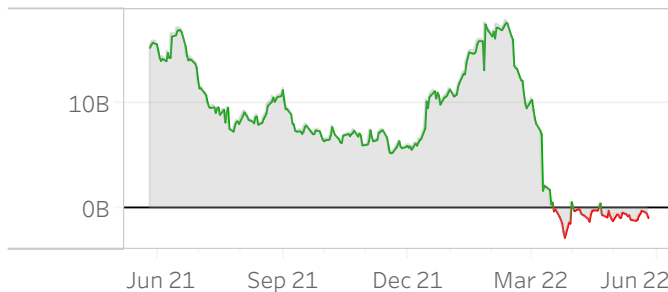
Developed ex-U.S. (EFA)



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



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



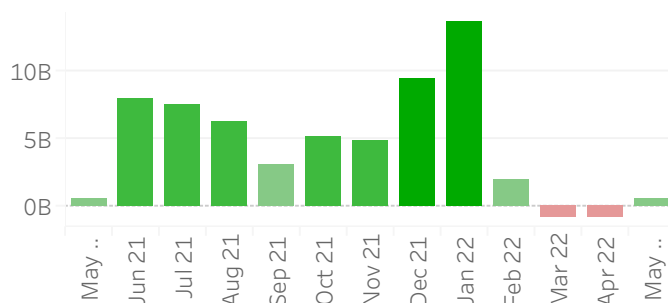
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	1.25%
NORW	Global X MSCI Norway ETF	1.20%
EWO	iShares MSCI Austria ETF	0.90%
FKU	First Trust United Kingdom AlphaDEX Fund	0.87%
TOK	iShares MSCI Kokusai ETF	0.86%
AIA	iShares Asia 50 ETF	0.78%
LVHI	Legg Mason International Low Volatility High Dividend ETF	0.75%
EWI	iShares MSCI Italy ETF	0.74%
EWP	iShares MSCI Spain ETF	0.73%
IDV	iShares International Select Dividend ETF	0.71%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWP	iShares MSCI Spain ETF	63.41
EWO	iShares MSCI Austria ETF	60.62
IDOG	ALPS International Sector Dividend Dogs ETF	60.02
IDV	iShares International Select Dividend ETF	59.59
IVLU	iShares MSCI Intl Value Factor ETF	58.54
DTH	WisdomTree International High Dividend Fund	58.21
LVHI	Legg Mason International Low Volatility High Dividend ETF	57.84
DFIV	Dimensional International Value ETF	57.80
IVAL	Alpha Architect International Quantitative Value ETF	57.68
EFV	iShares MSCI EAFE Value ETF	57.45

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FSZ	First Trust Switzerland AlphaDEX Fund	-4.86%
EWD	iShares MSCI Sweden ETF	-1.78%
CIL	VictoryShares International Volatility Wtd ETF	-1.35%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-1.00%
EIS	iShares MSCI Israel ETF	-0.96%
EWL	iShares MSCI Switzerland ETF	-0.78%
EWJV	iShares MSCI Japan Value ETF	-0.62%
FLSW	Franklin FTSE Switzerland ETF	-0.53%
EDEN	iShares MSCI Denmark ETF	-0.52%
ENZL	iShares MSCI New Zealand ETF	-0.50%

Developed ex-U.S. Most Oversold

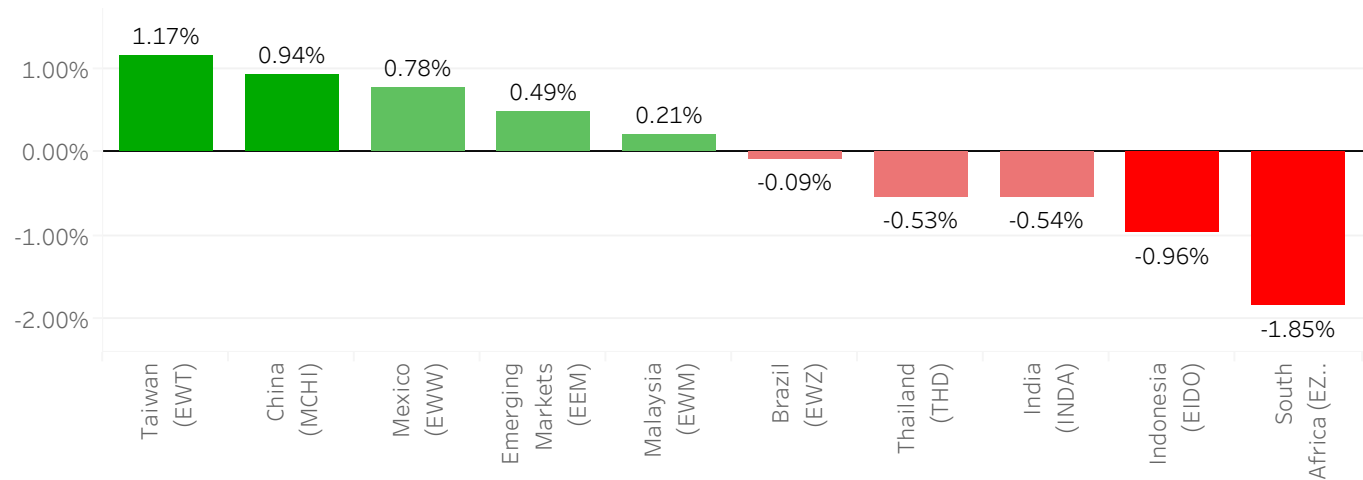
Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	33.91
EIS	iShares MSCI Israel ETF	38.13
ENZL	iShares MSCI New Zealand ETF	40.51
FSZ	First Trust Switzerland AlphaDEX Fund	40.55
ISRA	VanEck Israel ETF	40.65
EWS	iShares MSCI Singapore ETF	43.19
TOK	iShares MSCI Kokusai ETF	43.75
EWL	iShares MSCI Switzerland ETF	44.68
AIA	iShares Asia 50 ETF	45.09
IDHQ	Invesco S&P International Developed High Quality E..	45.19

*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)



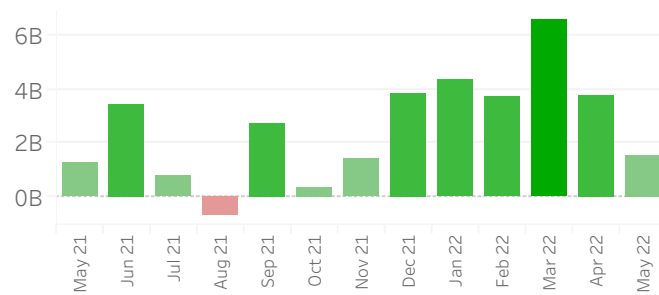
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KSA	iShares MSCI Saudi Arabia ETF	3.25%
PGJ	Invesco Golden Dragon China ETF	2.27%
FNI	First Trust Chindia ETF	1.41%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	1.35%
LDEM	iShares ESG MSCI EM Leaders ETF	1.31%
FXI	iShares China Large-Cap ETF	1.27%
GXC	SPDR S&P China ETF	1.18%
EWT	iShares MSCI Taiwan ETF	1.17%
MCHI	iShares MSCI China ETF	0.94%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.90%

Emerging Most Overbought

Ticker	Fund	Value
ECH	iShares MSCI Chile ETF	66.37
FLN	First Trust Latin America AlphaDEX Fund	62.02
ILF	iShares Latin America 40 ETF	58.61
EWZ	iShares MSCI Brazil ETF	57.84
EWZ	iShares MSCI Mexico ETF	57.51
FLBR	Franklin FTSE Brazil ETF	57.18
EWZS	iShares MSCI Brazil Small-Cap ETF	53.85
FRDM	Freedom 100 Emerging Markets ETF	53.57
THD	iShares MSCI Thailand ETF	52.90
DEM	WisdomTree Emerging Markets High Dividend Fund	51.35

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SMIN	iShares MSCI India Small Cap ETF	-2.12%
EZA	iShares MSCI South Africa ETF	-1.85%
GLIN	VanEck India Growth Leaders ETF	-1.68%
EPOL	iShares MSCI Poland ETF	-1.40%
PIN	Invesco India ETF	-1.05%
EIDO	iShares MSCI Indonesia ETF	-0.96%
EPI	WisdomTree India Earnings Fund	-0.84%
IDX	VanEck Indonesia Index ETF	-0.77%
FLIN	Franklin FTSE India ETF	-0.73%
INDA	iShares MSCI India ETF	-0.54%

Emerging Most Oversold

Ticker	Fund	Value
GLIN	VanEck India Growth Leaders ETF	26.65
SMIN	iShares MSCI India Small Cap ETF	33.55
FM	iShares MSCI Frontier and Select EM ETF	34.60
TUR	iShares MSCI Turkey ETF	35.22
EPI	WisdomTree India Earnings Fund	35.50
EWM	iShares MSCI Malaysia ETF	36.30
FLIN	Franklin FTSE India ETF	36.52
PIN	Invesco India ETF	36.68
INDA	iShares MSCI India ETF	37.38
QAT	iShares MSCI Qatar ETF	38.38

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

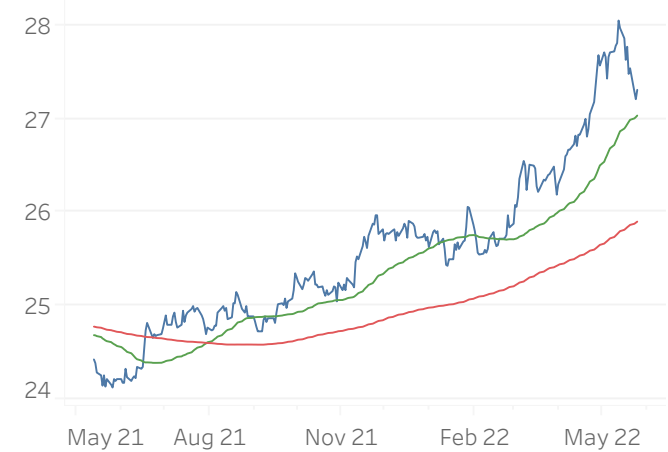
Fixed Income (AGG)



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	0.42%	0.57%	-8.24%
SHY	1-3 Year Treasury Bonds	0.07%	0.57%	-2.30%
IEF	7-10 Year Treasury Bonds	0.20%	1.00%	-8.91%
TLT	20+ Year Treasury Bonds	0.40%	-1.36%	-18.99%
TIP	TIPS Bonds	0.08%	-1.21%	-6.13%
FLOT	Floating Rate Bonds	0.00%	-0.23%	-0.45%
LQD	Investment Grade Corporate	1.03%	0.21%	-12.76%
HYG	High Yield Corporate	1.52%	-1.54%	-8.52%
BKLN	Senior Loan	0.19%	-3.78%	-4.55%
PFF	Preferred & Income Securities	1.65%	-1.27%	-12.96%
MUB	Municipal Bonds	0.73%	0.68%	-7.13%
MBB	MBS	0.24%	1.48%	-6.81%
EMB	Dollar Denominated EM Bonds	0.88%	-1.64%	-15.04%
LEMB	Local Currency EM Bond	-0.26%	-1.49%	-10.56%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.30%	4.09%	38.19%
DBE	Energy	1.65%	9.97%	56.97%
USO	WTI Crude Oil	0.59%	10.49%	51.73%
BNO	Brent Crude Oil	0.56%	10.74%	55.86%
UNG	Natural Gas	1.36%	26.05%	144.44%
UGA	Gasoline	1.55%	20.63%	69.73%
DBP	Precious Metals	-0.55%	-3.46%	-0.80%
GLD	Gold	-0.60%	-2.24%	1.24%
SLV	Silver	-0.25%	-6.83%	-5.44%
PPLT	abrdn Physical Platin..	-0.44%	3.08%	-1.78%
PALL	abrdn Physical Palla..	0.08%	-6.24%	5.91%
DBB	Base Metals	-0.52%	-7.39%	2.43%
CPER	Copper	-0.73%	-4.99%	-4.78%
LD	Lead	-4.26%	-9.28%	-7.74%
JJN	Nickel	1.80%	-17.76%	30.25%
JJU	Aluminum	-1.80%	-6.41%	2.71%
JJT	Tin	0.45%	-14.03%	-11.11%
DBA	Agriculture	-0.50%	-0.41%	11.70%
CORN	Corn	-0.66%	-2.73%	32.50%
SOYB	Soybeans	-0.18%	-0.42%	23.78%
WEAT	Wheat	-0.95%	7.14%	54.40%
CANE	Sugar	-0.60%	4.54%	7.61%
BAL	Cotton	4.04%	8.69%	34.85%
NIB	Cocoa	-2.88%	-4.99%	-10.09%
JO	Coffee	1.43%	-2.13%	-3.79%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.37%	0.48%	6.55%
UDN	Short Dollar	-0.37%	-0.32%	-6.52%
FXE	Euro	-0.50%	-0.43%	-6.52%
FXB	British Pound Sterling	0.41%	-1.27%	-7.11%
FXF	Swiss Franc	-0.13%	-0.34%	-5.64%
FXJ	Japanese Yen	-0.30%	0.56%	-9.69%
FXC	Canadian Dollar	-0.10%	-0.73%	-1.55%
FXA	Australian Dollar	-0.26%	-1.30%	-2.65%

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