

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

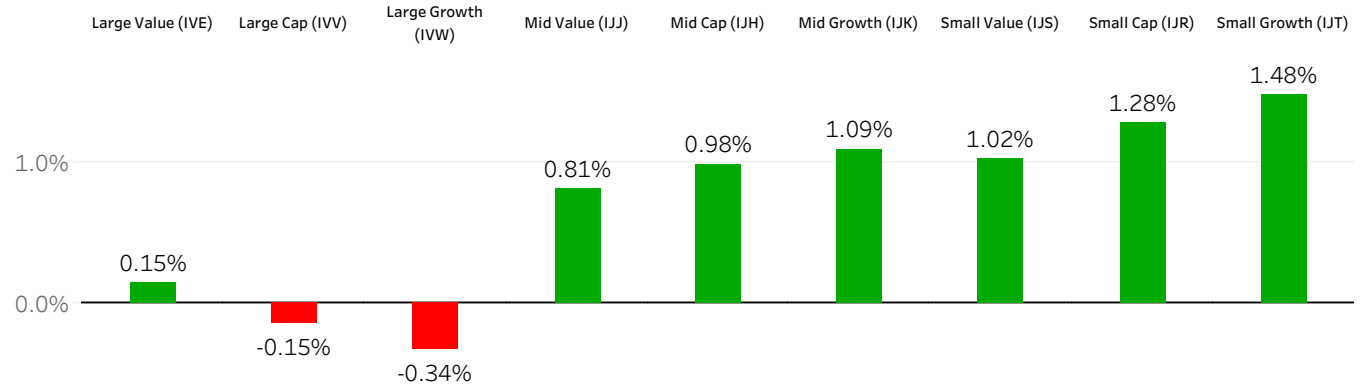


Small Cap Blend (S&P 600) IJR



■ 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
IPO	Renaissance IPO ETF	4.67%
JSML	Janus Henderson Small Cap Growth Alpha ETF	2.30%
IWO	iShares Russell 2000 Growth ETF	1.98%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	1.94%
VTWG	Vanguard Russell 2000 Growth ETF	1.88%
NUMG	Nuveen ESG Mid-Cap Growth ETF	1.86%
VBK	Vanguard Small-Cap Growth ETF	1.86%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	1.80%
BUZZ	VanEck Social Sentiment ETF	1.73%
FYC	First Trust Small Cap Growth AlphaDEX Fund	1.64%

Size & Style Most Overbought

Ticker	Fund	Price
FDL	First Trust Morningstar Dividend Leaders Index Fund	47.62
PTMC	Pacer Trendpilot US Mid Cap ETF	47.01
RDIV	Invesco S&P Ultra Dividend Revenue ETF	46.21
HDV	iShares Core High Dividend ETF	45.49
WBIY	WBI Power Factor High Dividend ETF	45.02
DHS	WisdomTree U.S. High Dividend Fund	44.40
ONOF	Global X Adaptive U.S. Risk Management ETF	43.93
PTLC	Pacer Trendpilot US Large Cap ETF	43.76
SDOG	ALPS Sector Dividend Dogs ETF	43.08
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	42.65

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MXDU	Nationwide Maximum Diversification US Core Equity ETF	-7.59%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-5.52%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	-1.75%
QVML	Invesco S&P 500 QVM Multi-factor ETF	-1.63%
RUFF	Alpha Dog ETF	-1.09%
LSAF	LeaderShares AlphaFactor US Core Equity ETF	-0.82%
DUSA	Davis Select U.S. Equity ETF	-0.81%
EQRR	ProShares Equities for Rising Rates ETF	-0.77%
HKND	Humankind US Stock ETF	-0.69%
SPVU	Invesco S&P 500 Enhanced Value ETF	-0.63%

Size & Style Most Oversold

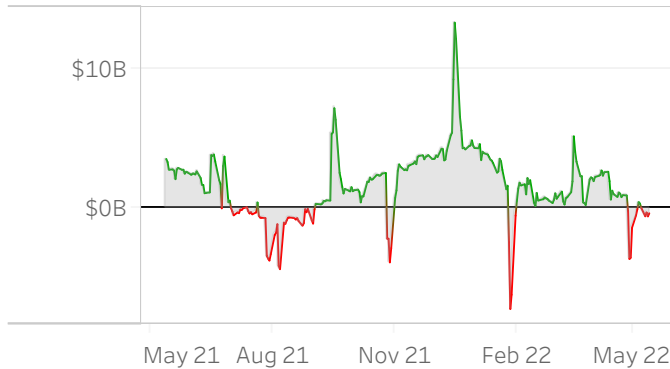
Ticker	Fund	Price
MXDU	Nationwide Maximum Diversification US Core Equit..	16.20
PABU	iShares Paris-Aligned Climate MSCI USA ETF	18.52
FFTY	Innovator IBD 50 ETF	20.52
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	21.07
TMFS	Motley Fool Small-Cap Growth ETF	25.64
ACSI	American Customer Satisfaction ETF	26.35
IWC	iShares Micro-Cap ETF	26.60
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	26.70
CLRG	IQ Chaikin U.S. Large Cap ETF	26.75
GVIP	Goldman Sachs Hedge Industry VIP ETF	27.31

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

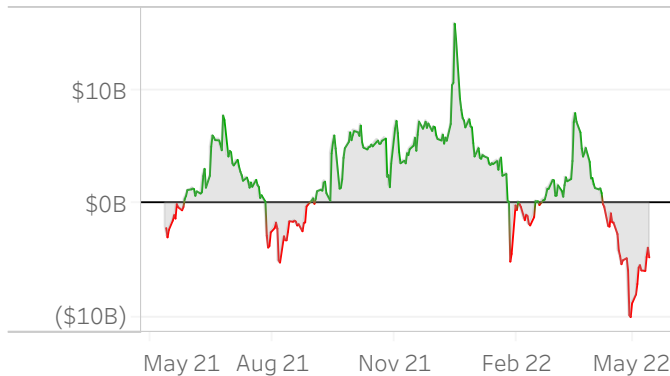
Large-Cap 30-Day Rolling Flows



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	\$1,154B	\$1.49B	(\$6.73B)	\$33.38B	\$111.04B
Large Cap, Beta Growth, Beta: Growth	10	\$208B	\$0.39B	\$4.01B	\$5.21B	\$14.26B
Large Cap, Beta Growth, Beta: Value	11	\$213B	\$0.51B	\$3.71B	\$16.34B	\$26.81B
Mid Cap, Beta, Beta	10	\$166B	\$0.47B	\$1.18B	\$7.60B	\$10.44B
Mid Cap, Beta, Beta: Growth	6	\$29B	(\$0.10B)	(\$0.71B)	(\$0.62B)	(\$0.66B)
Mid Cap, Beta, Beta: Value	6	\$38B	(\$0.13B)	(\$0.62B)	(\$0.37B)	(\$0.16B)
Small Cap, Beta, Beta	12	\$180B	\$0.76B	\$0.67B	\$1.17B	\$12.46B
Small Cap, Beta, Beta: Growth	7	\$28B	\$0.16B	\$0.47B	\$1.03B	\$1.37B
Small Cap, Beta, Beta: Value	7	\$48B	(\$0.75B)	(\$4.51B)	(\$3.24B)	(\$2.95B)

U.S. Size & Style Flow Leaders

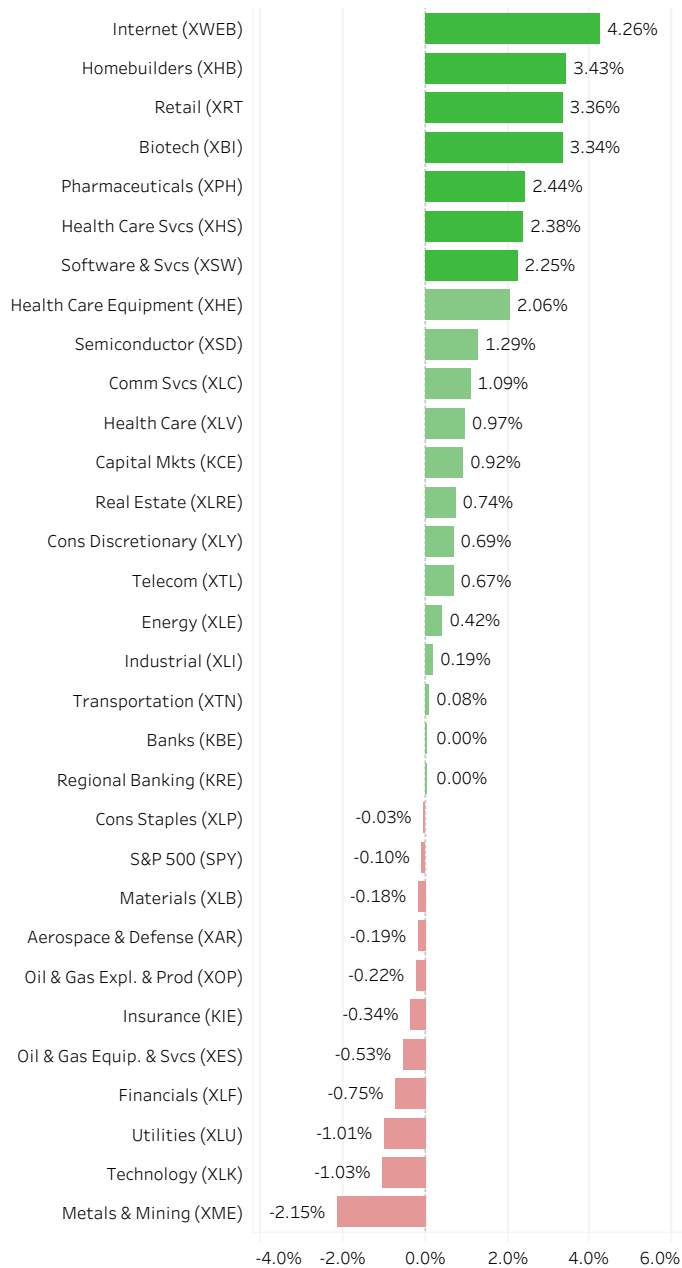
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$1.27B	\$1.04B	(\$3.68B)	\$0.79B	\$51.03B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	\$1.24B	\$1.99B	\$2.56B	\$3.91B	\$7.86B
SPY	SPDR S&P 500 ETF Trust	\$0.96B	(\$2.78B)	(\$3.07B)	\$14.18B	\$353.70B
VOO	Vanguard S&P 500 ETF	\$0.91B	(\$3.04B)	\$15.20B	\$40.30B	\$245.27B
VYM	Vanguard High Dividend Yield Index ETF	\$0.40B	\$2.58B	\$4.84B	\$6.69B	\$43.81B
VUG	Vanguard Growth ETF	\$0.35B	\$2.83B	\$3.19B	\$5.89B	\$67.54B
SCHD	Schwab US Dividend Equity ETF	\$0.32B	\$1.60B	\$5.50B	\$10.52B	\$34.31B
IWD	iShares Russell 1000 Value ETF	\$0.31B	(\$0.70B)	(\$0.33B)	\$1.43B	\$52.46B
VTI	Vanguard Total Stock Market ETF	\$0.28B	\$5.83B	\$19.11B	\$40.28B	\$251.82B
MGV	Vanguard Mega Cap Value ETF	\$0.28B	\$0.64B	\$0.93B	\$1.12B	\$5.48B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VLUE	iShares MSCI USA Value Factor ETF	(\$0.74B)	(\$1.06B)	(\$3.63B)	(\$4.38B)	\$10.95B
QQQ	Invesco QQQ Trust	(\$0.69B)	\$6.57B	\$7.46B	\$22.06B	\$158.35B
VBR	Vanguard Small Cap Value ETF	(\$0.58B)	(\$1.48B)	(\$0.26B)	\$1.13B	\$22.68B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.56B)	(\$0.65B)	(\$0.62B)	(\$0.34B)	\$11.44B
VB	Vanguard Small-Cap ETF	(\$0.51B)	(\$0.80B)	\$0.85B	\$3.30B	\$39.69B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.44B)	\$0.90B	\$3.13B	\$4.22B	\$30.09B
DGRW	WisdomTree US Quality Dividend Growth Fund	(\$0.31B)	(\$0.42B)	(\$0.20B)	\$0.33B	\$6.19B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.17B)	\$0.54B	\$0.24B	\$1.88B	\$20.24B
QQQM	Invesco NASDAQ 100 ETF	(\$0.13B)	\$0.84B	\$2.17B	\$3.85B	\$3.73B
LVHD	Legg Mason Low Volatility High Dividend ETF	(\$0.13B)	(\$0.17B)	(\$0.18B)	(\$0.21B)	\$0.57B

\* 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	-5.80%	70.58%	1.34%	25.44%	51.18
XLP	Consumer Staples Select Sector SPDR Fund	-5.91%	10.19%	-0.77%	2.34%	41.46
XLU	Utilities Select Sector SPDR Fund	-8.28%	11.64%	-3.41%	2.15%	38.92
XLB	Materials Select Sector SPDR Fund	-10.34%	2.69%	-5.62%	-5.06%	35.47
XLV	Health Care Select Sector SPDR Fund	-10.91%	4.88%	-5.31%	-4.42%	37.67
XLI	Industrial Select Sector SPDR Fund	-14.18%	0.19%	-7.46%	-9.90%	31.99
SPY	SPDR S&P 500 ETF Trust	-17.87%	0.00%	-9.33%	-12.30%	31.62
XLRE	Real Estate Select Sector SPDR Fund	-18.86%	0.74%	-11.05%	-11.28%	27.65
XLF	Financial Select Sector SPDR Fund	-20.21%	0.00%	-10.52%	-14.20%	28.82
XLK	Technology Select Sector SPDR Fund	-25.56%	0.00%	-11.59%	-16.67%	34.50
XLY	Consumer Discretionary Select Sector SPDR Fund	-30.68%	0.69%	-15.70%	-21.48%	27.92
XLC	Communication Services Select Sector SPDR Fund	-32.99%	1.09%	-11.34%	-22.98%	36.22

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	3.93%
XHB	SPDR S&P Homebuilders ETF	3.43%
XRT	SPDR S&P Retail ETF	3.36%
XBI	SPDR S&P BIOTECH ETF	3.34%
PKB	Invesco Dynamic Building & Construction ETF	3.22%
IBB	iShares Biotechnology ETF	2.81%
XPH	SPDR S&P Pharmaceuticals ETF	2.44%
PBE	Invesco Dynamic Biotechnology & Genome ETF	2.39%
XHS	SPDR S&P Health Care Services ETF	2.38%
PSCH	Invesco S&P SmallCap Health Care ETF	2.37%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLE	Energy Select Sector SPDR Fund	51.18
RYE	Invesco S&P 500 Equal Weight Energy ETF	49.56
IYE	iShares U.S. Energy ETF	49.43
VDE	Vanguard Energy ETF	49.28
FENY	Fidelity MSCI Energy Index ETF	49.19
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	48.92
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	48.08
PXE	Invesco Dynamic Energy Exploration & Production ETF	47.51
FXN	First Trust Energy AlphaDEX Fund	46.12
IYK	iShares U.S. Consumer Staples ETF	45.67

## Sector & Industry 1 Day Performance Laggards

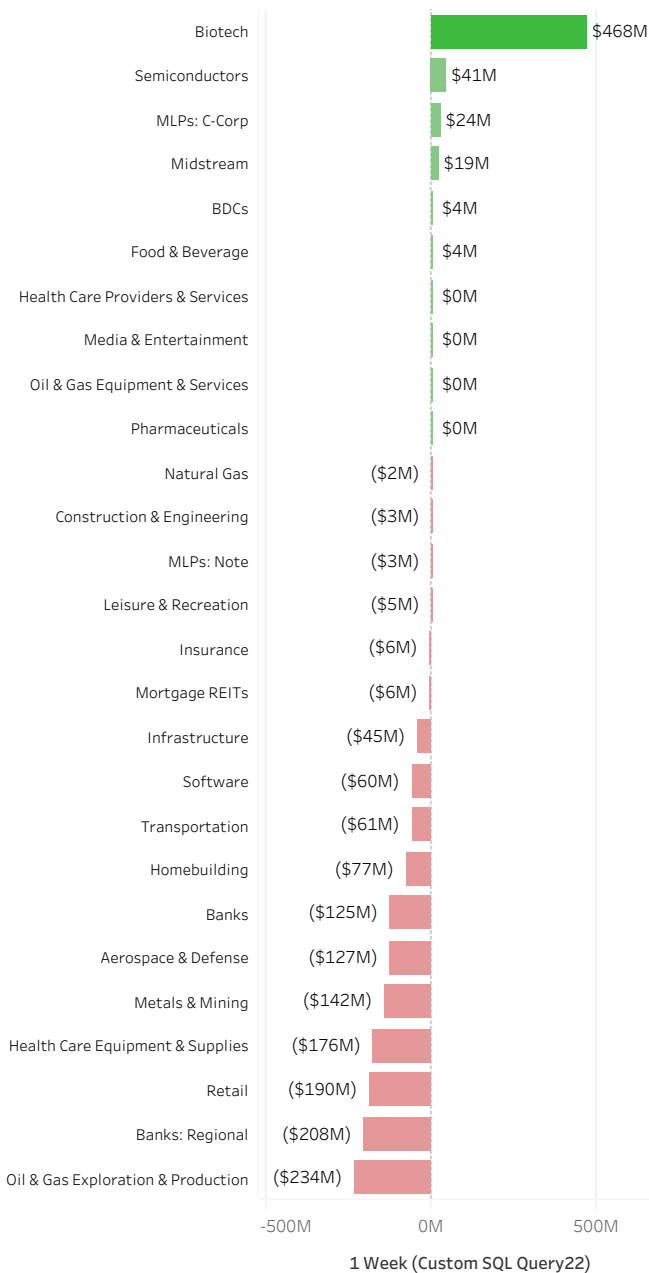
Ticker	Fund	1 Day Performance
BIZD	VanEck BDC Income ETF	-2.47%
XME	SPDR S&P Metals & Mining ETF	-2.15%
FTXL	First Trust Nasdaq Semiconductor ETF	-1.36%
IDU	iShares U.S. Utilities ETF	-1.09%
PSCE	Invesco S&P SmallCap Energy ETF	-1.08%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-1.07%
XLK	Technology Select Sector SPDR Fund	-1.03%
REM	iShares Mortgage Real Estate ETF	-1.02%
XLU	Utilities Select Sector SPDR Fund	-1.01%
FXZ	First Trust Materials AlphaDEX Fund	-0.96%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
NURE	Nuveen Short-Term REIT ETF	24.42
XAR	SPDR S&P Aerospace & Defense ETF	24.45
PFI	Invesco DWA Financial Momentum ETF	25.30
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	25.80
PPTY	US Diversified Real Estate ETF	26.00
REZ	iShares Residential and Multisector Real Estate ETF	26.03
ITA	iShares U.S. Aerospace & Defense ETF	26.36
RWR	SPDR Dow Jones REIT ETF	26.37
PPA	Invesco Aerospace & Defense ETF	26.72
FRI	First Trust S&P REIT Index Fund	26.92

\* 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	(\$313M)	(\$730M)	(\$2,006M)	\$124M
Consumer Discretionary	13	\$23B	(\$397M)	(\$2,072M)	(\$4,377M)	(\$4,255M)
Consumer Staples	12	\$28B	(\$165M)	\$2,938M	\$6,266M	\$7,300M
Energy	34	\$77B	\$125M	(\$370M)	\$4,981M	\$4,938M
Financials	28	\$64B	(\$1,415M)	(\$13,563M)	(\$6,708M)	(\$5,318M)
Health Care	26	\$82B	(\$135M)	\$3,536M	\$7,210M	\$10,796M
Industrial	14	\$29B	(\$536M)	(\$291M)	(\$1,784M)	(\$5,374M)
Materials	10	\$17B	(\$674M)	\$1,629M	\$1,113M	\$198M
Multi-Sector	18	\$14B	(\$249M)	(\$3,435M)	(\$4,583M)	(\$3,652M)
Real Estate	23	\$68B	(\$164M)	(\$3,008M)	\$146M	\$8,060M
Technology	24	\$116B	(\$599M)	(\$389M)	\$147M	\$5,580M
Utilities	10	\$24B	(\$417M)	\$1,760M	\$3,336M	\$3,542M

## U.S. Sector & Industry Flow Leaders

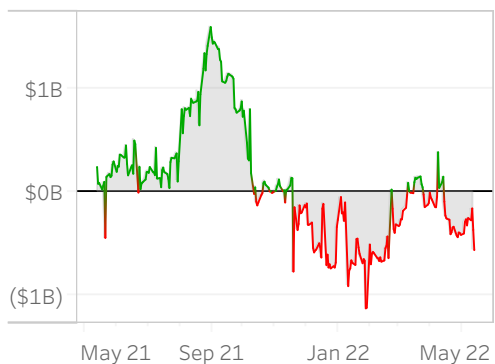
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$634M	(\$1,727M)	\$738M	\$1,224M	\$37,816M
XLV	Health Care Select Sector SPDR Fund	\$461M	\$3,284M	\$5,539M	\$8,662M	\$36,093M
XBI	SPDR S&P BIOTECH ETF	\$335M	\$758M	\$1,749M	\$2,126M	\$5,116M
FUTY	Fidelity MSCI Utilities Index ETF	\$277M	\$418M	\$470M	\$539M	\$1,677M
RYT	Invesco S&P 500 Equal Weight Technology ETF	\$243M	(\$225M)	\$49M	(\$50M)	\$2,272M
XLRE	Real Estate Select Sector SPDR Fund	\$189M	\$416M	\$1,421M	\$2,766M	\$5,293M
ITA	iShares U.S. Aerospace & Defense ETF	\$163M	\$1,417M	\$1,360M	\$1,003M	\$3,621M
IYC	iShares U.S. Consumer Discretionary ETF	\$161M	\$18M	(\$204M)	(\$373M)	\$929M
IBB	iShares Biotechnology ETF	\$133M	(\$185M)	\$67M	(\$356M)	\$6,896M
IYG	iShares US Financial Services ETF	\$117M	(\$98M)	(\$81M)	\$381M	\$2,034M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VHT	Vanguard Health Care ETF	(\$891M)	(\$432M)	\$125M	\$1,114M	\$14,931M
XLF	Financial Select Sector SPDR Fund	(\$686M)	(\$8,499M)	(\$3,837M)	(\$3,967M)	\$34,141M
VPU	Vanguard Utilities ETF	(\$453M)	(\$89M)	\$273M	\$487M	\$5,638M
VNQ	Vanguard Real Estate ETF	(\$410M)	(\$979M)	\$652M	\$3,767M	\$40,208M
VGT	Vanguard Information Technology ETF	(\$398M)	\$14M	(\$274M)	\$1,817M	\$41,221M
XLK	Technology Select Sector SPDR Fund	(\$351M)	\$573M	\$1,338M	\$2,317M	\$39,655M
VDE	Vanguard Energy ETF	(\$329M)	(\$498M)	(\$179M)	\$107M	\$7,826M
VIS	Vanguard Industrials ETF	(\$328M)	(\$639M)	(\$959M)	(\$1,298M)	\$3,505M
VCR	Vanguard Consumer Discretionary ETF	(\$292M)	(\$450M)	(\$853M)	(\$320M)	\$4,411M
VAW	Vanguard Materials ETF	(\$271M)	(\$268M)	(\$193M)	\$66M	\$3,504M

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

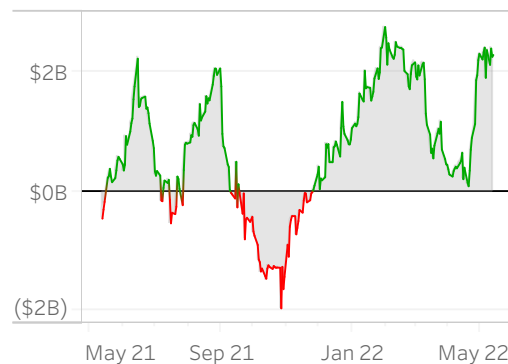
Communication Services



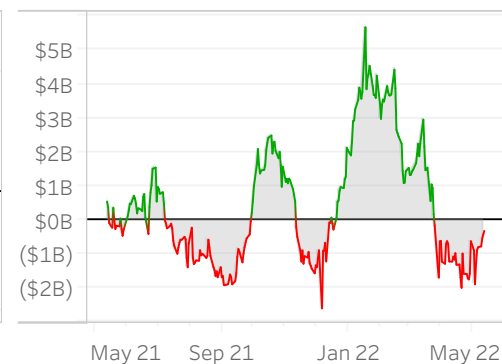
Consumer Discretionary



Consumer Staples



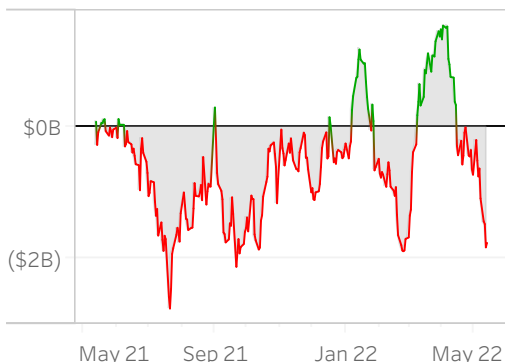
Energy



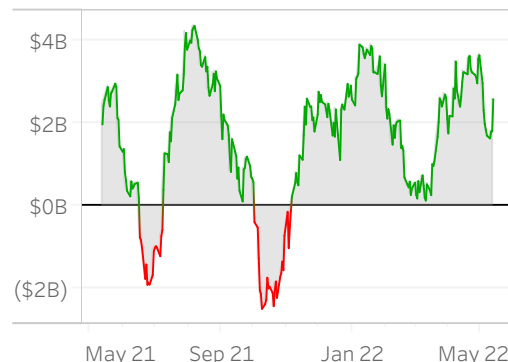
Financials



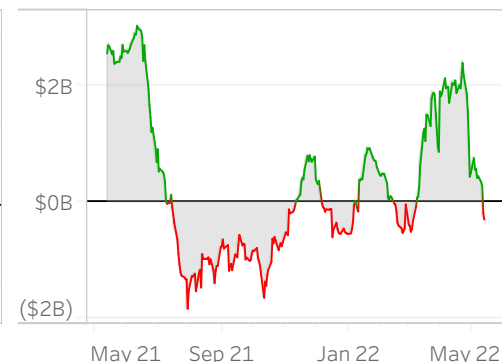
Industrial



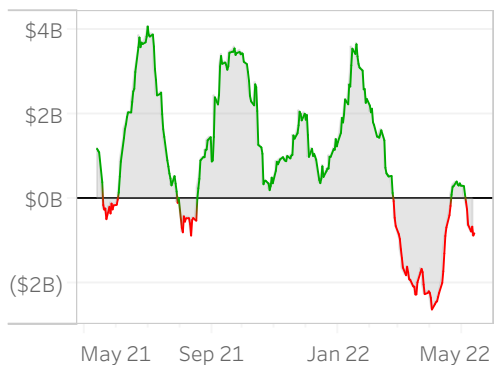
Health Care



Materials



Real Estate



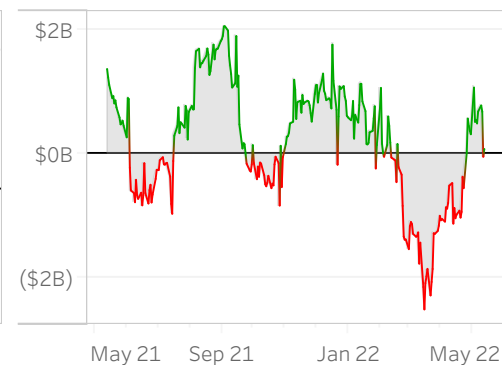
Technology



Utilities

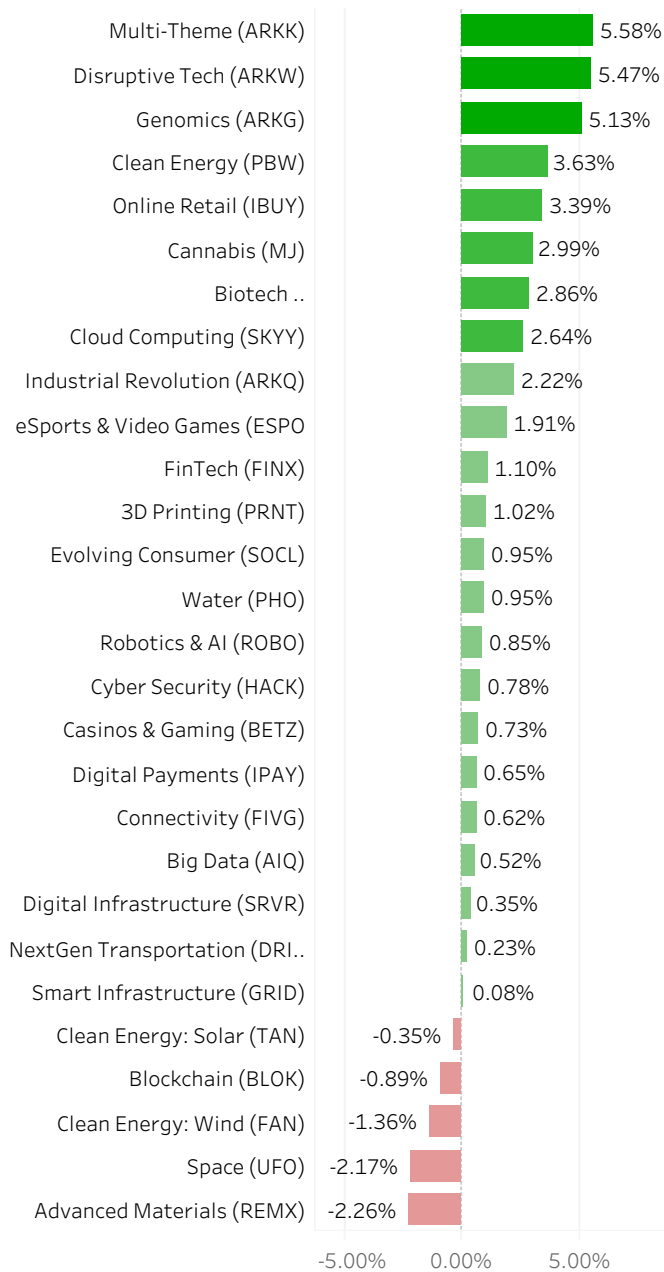


Multi-Sector

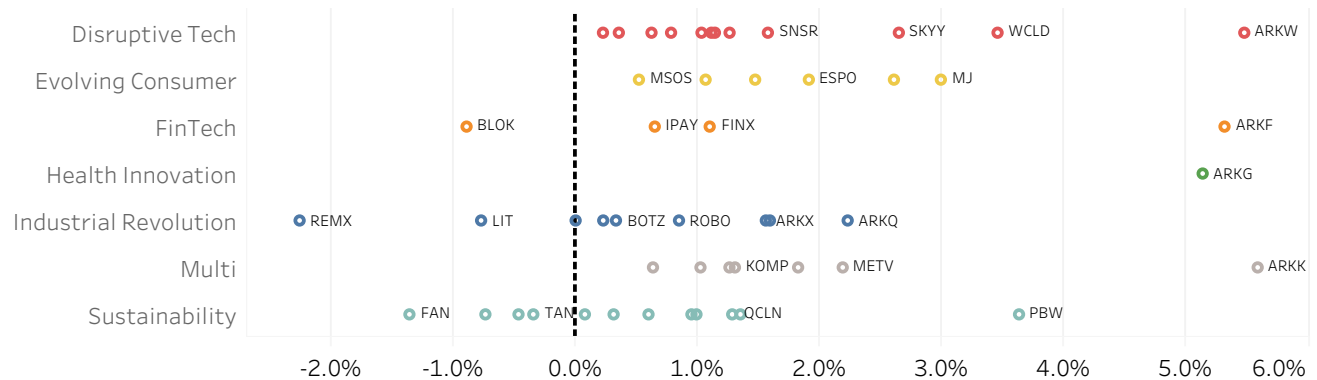


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
ARKK	ARK Innovation ETF	5.58%
ARKW	ARK Next Generation Internet ETF	5.47%
ARKF	ARK Fintech Innovation ETF	5.31%
ARKG	ARK Genomic Revolution ETF	5.13%
PBW	Invesco WilderHill Clean Energy ETF	3.63%
WCLD	WisdomTree Cloud Computing Fund	3.45%
IBUY	Amplify Online Retail ETF	3.39%
GNOM	Global X Genomics & Biotechnology ETF	3.14%
MJ	ETFMG Alternative Harvest ETF	2.99%
SBIO	ALPS Medical Breakthroughs ETF	2.86%

Thematic Most Overbought

Ticker	Fund	Price
KSTR	KraneShares SSE STAR Market 50 Index ETF	49.75
KWEB	KraneShares CSI China Internet ETF	40.93
KGRN	KraneShares MSCI China Clean Technology Index ETF	39.88
LIT	Global X Lithium & Battery Tech ETF	39.13
QTUM	Defiance Quantum ETF	35.84
SOCL	Global X Social Media ETF	35.32
FIVG	Defiance Next Gen Connectivity ETF	35.12
PHO	Invesco Water Resources ETF	34.88
NXTG	First Trust Indxx NextG ETF	34.36
IDRV	iShares Self-driving EV & Tech ETF	33.57

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
CTEC	Global X CleanTech ETF	-2.27%
REMX	VanEck Rare Earth/Strategic Metals ETF	-2.26%
RNRG	Global X Funds Global X Renewable Energy Producers ..	-2.25%
UFO	Procore Space ETF	-2.17%
BKCH	Global X Blockchain ETF	-1.53%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.45%
FAN	First Trust Global Wind Energy ETF	-1.36%
BLOK	Amplify Transformational Data Sharing ETF	-0.89%
LIT	Global X Lithium & Battery Tech ETF	-0.77%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.74%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	18.60
GBUY	Goldman Sachs Future Consumer Equity ETF	19.83
BITQ	Bitwise Crypto Industry Innovators ETF	20.41
GDOC	Goldman Sachs Future Health Care Equity ETF	20.61
BKCH	Global X Blockchain ETF	20.77
AWAY	ETFMG Travel Tech ETF	22.80
POTX	Global X Cannabis ETF	22.88
BLOK	Amplify Transformational Data Sharing ETF	23.02
MSOS	AdvisorShares Pure US Cannabis ETF	23.44
PAWZ	ProShares Pet Care ETF	23.57

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$102M
BUG	Global X Cybersecurity ETF	\$55M
KWEB	KraneShares CSI China Internet ETF	\$53M
CLOU	Global X Cloud Computing ETF	\$40M
ARKG	ARK Genomic Revolution ETF	\$16M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$9M
SAMT	Strategas Macro Thematic Opportunities ETF	\$3M
TARK	AXS 2X Innovation ETF	\$3M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$3M
FRNW	Fidelity Clean Energy ETF	\$2M

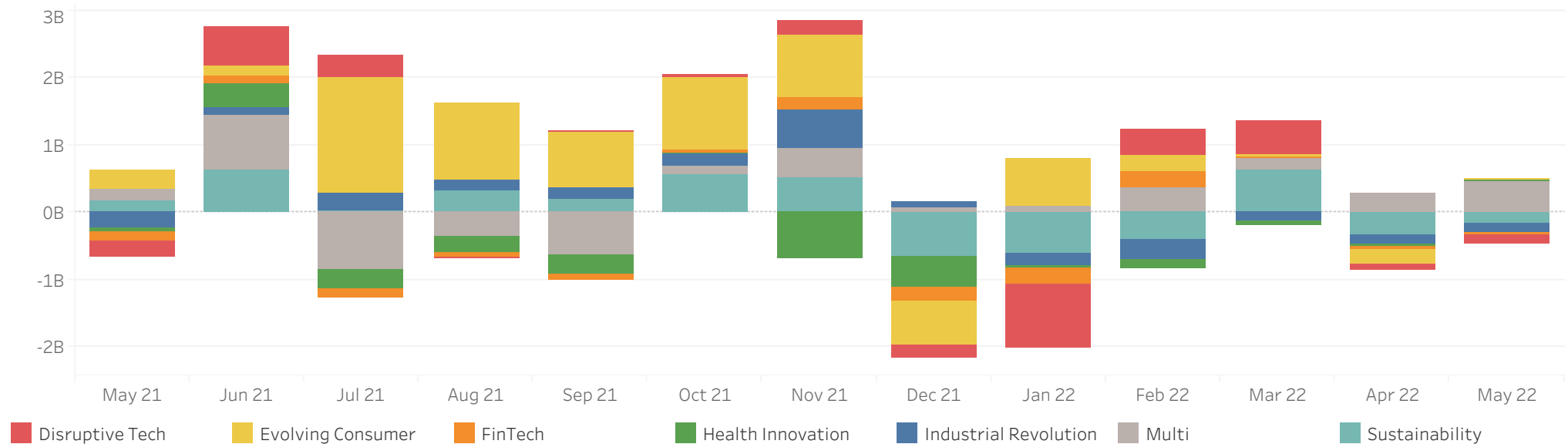
## Thematic 1 Week Flow Laggards

Ticker	Fund	
SKYY	First Trust Cloud Computing ETF	(\$72M)
ICLN	iShares Global Clean Energy ETF	(\$66M)
XT	iShares Exponential Technologies ETF	(\$52M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$49M)
LIT	Global X Lithium & Battery Tech ETF	(\$49M)
ARKW	ARK Next Generation Internet ETF	(\$25M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$19M)
METV	Roundhill Ball Metaverse ETF	(\$19M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$18M)
BLOK	Amplify Transformational Data Sharing ETF	(\$17M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$57M)	\$423M	(\$1,007M)	\$468M
Evolving Consumer	47	\$10B	(\$28M)	(\$229M)	\$760M	\$6,261M
FinTech	24	\$3B	(\$39M)	\$76M	(\$238M)	(\$352M)
Health Innovation	19	\$3B	\$13M	(\$150M)	(\$1,331M)	(\$1,857M)
Industrial Revolution	32	\$12B	(\$113M)	(\$441M)	(\$365M)	\$385M
Multi	41	\$14B	(\$54M)	\$1,353M	\$1,975M	\$1,169M
Sustainability	40	\$16B	(\$124M)	(\$90M)	(\$1,392M)	\$912M
Grand Total	238	\$76B	(\$402M)	\$942M	(\$1,599M)	\$6,986M

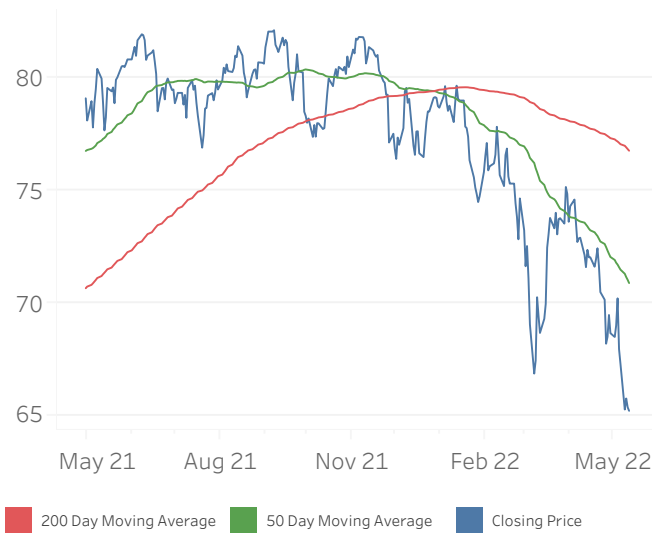
## Thematic Monthly Flows



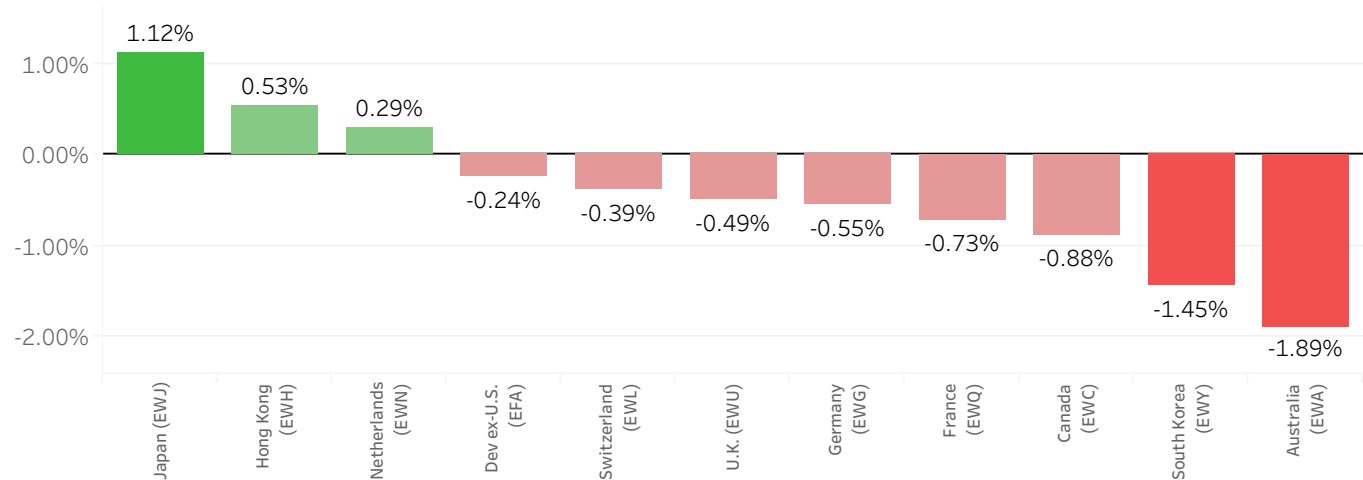
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



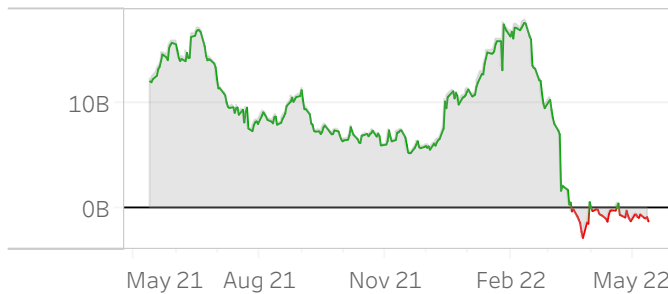
Developed ex-U.S. (EFA)



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



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



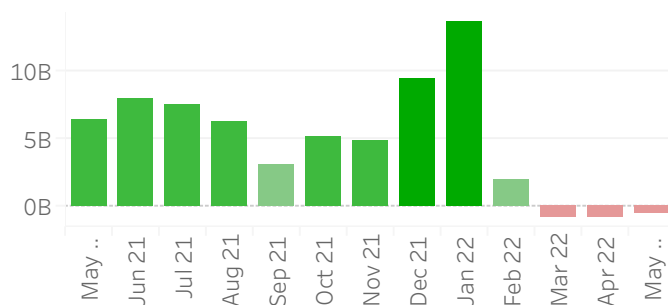
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWJV	iShares MSCI Japan Value ETF	1.48%
HEDJ	WisdomTree Europe Hedged Equity Fund	1.36%
FLJP	Franklin FTSE Japan ETF	1.25%
JPXN	iShares JPX-Nikkei 400 ETF	1.24%
EWJ	iShares MSCI Japan ETF	1.12%
CIL	VictoryShares International Volatility Wtd ETF	1.12%
BBJP	JPMorgan BetaBuilders Japan ETF	1.07%
SCJ	iShares MSCI Japan Small-Cap ETF	0.99%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.94%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.90%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	43.04
HEDJ	WisdomTree Europe Hedged Equity Fund	43.04
HEZU	iShares Currency Hedged MSCI Eurozone ETF	41.34
DFJ	WisdomTree Japan SmallCap Dividend Fund	41.13
LVHI	Legg Mason International Low Volatility High Dividend ETF	40.40
EWJV	iShares MSCI Japan Value ETF	40.31
HEWJ	iShares Currency Hedged MSCI Japan ETF	39.60
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	39.44
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	39.08
SCJ	iShares MSCI Japan Small-Cap ETF	39.01

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	-2.11%
EWA	iShares MSCI Australia ETF	-1.89%
FLKR	Franklin FTSE South Korea ETF	-1.71%
GREK	Global X MSCI Greece ETF	-1.60%
EWO	iShares MSCI Austria ETF	-1.57%
EWY	iShares MSCI South Korea ETF	-1.45%
FLGB	Franklin FTSE United Kingdom ETF	-1.44%
EWP	iShares MSCI Spain ETF	-1.42%
ENZL	iShares MSCI New Zealand ETF	-1.40%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-1.36%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
WPS	iShares International Developed Property ETF	19.67
EWUS	iShares MSCI United Kingdom Small Cap ETF	19.91
ENZL	iShares MSCI New Zealand ETF	21.59
EIS	iShares MSCI Israel ETF	24.36
SCHC	Schwab International Small-Cap Equity ETF	24.48
IEUS	iShares MSCI Europe Small-Cap ETF	24.64
GWX	SPDR S&P International Small Cap ETF	24.95
ISRA	VanEck Israel ETF	25.19
RFDI	First Trust Riverfront Dynamic Developed Internatio..	25.43
ISVL	iShares International Developed Small Cap Value Fa..	25.51

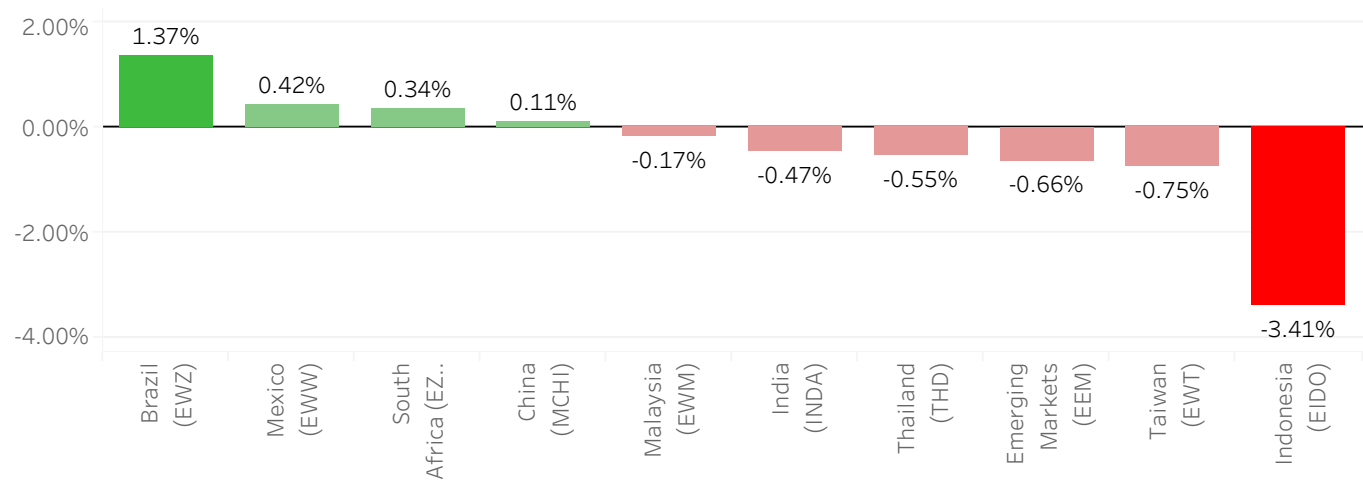
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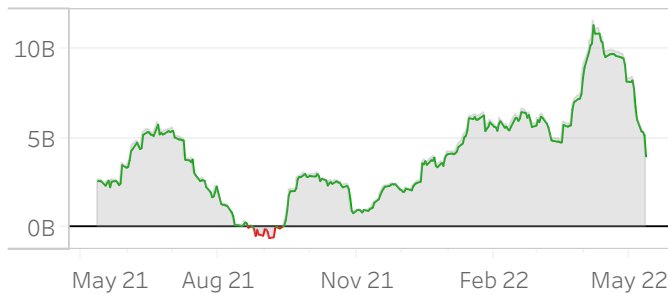
Emerging (EEM)



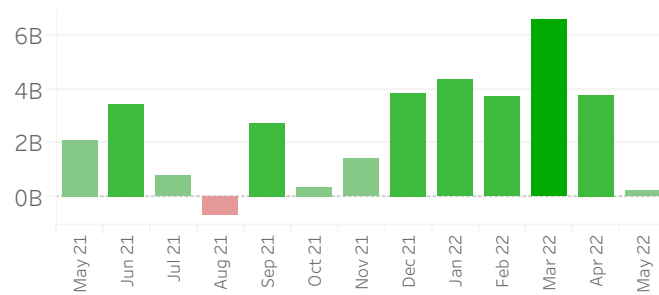
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	1.97%
FLBR	Franklin FTSE Brazil ETF	1.52%
EWZ	iShares MSCI Brazil ETF	1.37%
ILF	iShares Latin America 40 ETF	0.85%
PGJ	Invesco Golden Dragon China ETF	0.65%
FLCH	Franklin FTSE China ETF	0.59%
FNI	First Trust Chindia ETF	0.52%
ECH	iShares MSCI Chile ETF	0.44%
EWW	iShares MSCI Mexico ETF	0.42%
BKF	iShares MSCI BIC ETF	0.42%

Emerging Most Overbought

Ticker	Fund	Price
QAT	iShares MSCI Qatar ETF	39.27
ECH	iShares MSCI Chile ETF	39.08
TUR	iShares MSCI Turkey ETF	38.39
CNYA	iShares MSCI China A ETF	38.24
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	38.22
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	38.13
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	37.91
RAYC	Rayliant Quantamental China Equity ETF	37.87
FLCH	Franklin FTSE China ETF	37.76
FXI	iShares China Large-Cap ETF	37.11

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
KSA	iShares MSCI Saudi Arabia ETF	-3.92%
EIDO	iShares MSCI Indonesia ETF	-3.41%
IDX	VanEck Indonesia Index ETF	-3.10%
TUR	iShares MSCI Turkey ETF	-2.36%
EPU	iShares MSCI Peru ETF	-2.33%
EPOL	iShares MSCI Poland ETF	-2.19%
PIE	Invesco DWA Emerging Markets Momentum ETF	-1.52%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-1.34%
EMXC	iShares MSCI Emerging Markets ex China ETF	-1.24%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-1.15%

Emerging Most Oversold

Ticker	Fund	Price
FM	iShares MSCI Frontier and Select EM ETF	16.46
EPU	iShares MSCI Peru ETF	17.15
SMIN	iShares MSCI India Small Cap ETF	20.90
GLIN	VanEck India Growth Leaders ETF	21.03
EPOL	iShares MSCI Poland ETF	22.19
PIN	Invesco India ETF	22.91
AFK	VanEck Africa Index ETF	23.02
VNM	VanEck Vietnam ETF	23.26
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	24.14
EMXC	iShares MSCI Emerging Markets ex China ETF	24.21

\*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	0.18%	-1.41%	-9.20%
SHY	1-3 Year Treasury Bonds	0.14%	-0.09%	-2.62%
IEF	7-10 Year Treasury Bonds	0.33%	-0.84%	-9.93%
TLT	20+ Year Treasury Bonds	-0.19%	-4.10%	-20.09%
TIP	TIPS Bonds	-0.43%	-1.96%	-6.78%
FLOT	Floating Rate Bonds	-0.02%	-0.03%	-0.37%
LQD	Investment Grade Corporate	0.04%	-3.14%	-14.60%
HYG	High Yield Corporate	-0.04%	-4.09%	-10.47%
BKLN	Senior Loan	-0.33%	-4.10%	-4.74%
PFF	Preferred & Income Securities	0.09%	-5.86%	-15.61%
MUB	Municipal Bonds	-0.13%	-2.46%	-8.88%
MBB	MBS	0.37%	-0.86%	-7.75%
EMB	Dollar Denominated EM Bonds	0.07%	-4.81%	-16.73%
LEMB	Local Currency EM Bond	-0.47%	-6.69%	-13.21%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.76%	-1.48%	31.99%
DBE	Energy	0.81%	7.15%	52.69%
USO	WTI Crude Oil	1.34%	4.28%	45.75%
BNO	Brent Crude Oil	1.08%	3.92%	48.21%
UNG	Natural Gas	0.38%	13.16%	112.01%
UGA	Gasoline	3.73%	21.08%	65.77%
DBP	Precious Metals	-1.95%	-9.91%	-3.14%
GLD	Gold	-1.53%	-7.40%	-0.46%
SLV	Silver	-3.77%	-18.53%	-11.11%
PPLT	abrdn Physical Platin..	-5.32%	-2.61%	-2.50%
PALL	abrdn Physical Palla..	-6.19%	-18.51%	-0.09%
DBB	Base Metals	-1.89%	-15.70%	-2.07%
CPER	Copper	-2.83%	-13.44%	-9.11%
LD	Lead	-1.85%	-10.56%	-6.37%
JJN	Nickel	1.31%	-13.52%	35.84%
JJU	Aluminum	1.21%	-14.08%	-0.34%
JJT	Tin	-7.25%	-22.06%	-13.78%
DBA	Agriculture	0.46%	-3.26%	11.24%
CORN	Corn	1.40%	2.56%	37.51%
SOYB	Soybeans	0.29%	-2.34%	21.32%
WEAT	Wheat	2.57%	5.08%	56.70%
CANE	Sugar	0.11%	-7.04%	1.96%
BAL	Cotton	4.30%	8.95%	37.19%
NIB	Cocoa	-2.23%	-8.33%	-8.23%
JO	Coffee	-0.76%	-7.41%	-3.87%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.86%	4.59%	9.44%
UDN	Short Dollar	-0.91%	-4.64%	-9.24%
FXE	Euro	-1.37%	-4.27%	-9.16%
FXB	British Pound Sterling	-0.39%	-6.25%	-9.93%
FXF	Swiss Franc	-0.95%	-7.22%	-9.56%
FXJ	Japanese Yen	1.18%	-2.47%	-10.50%
FXC	Canadian Dollar	-0.29%	-3.05%	-3.14%
FXA	Australian Dollar	-1.12%	-8.04%	-5.78%

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

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