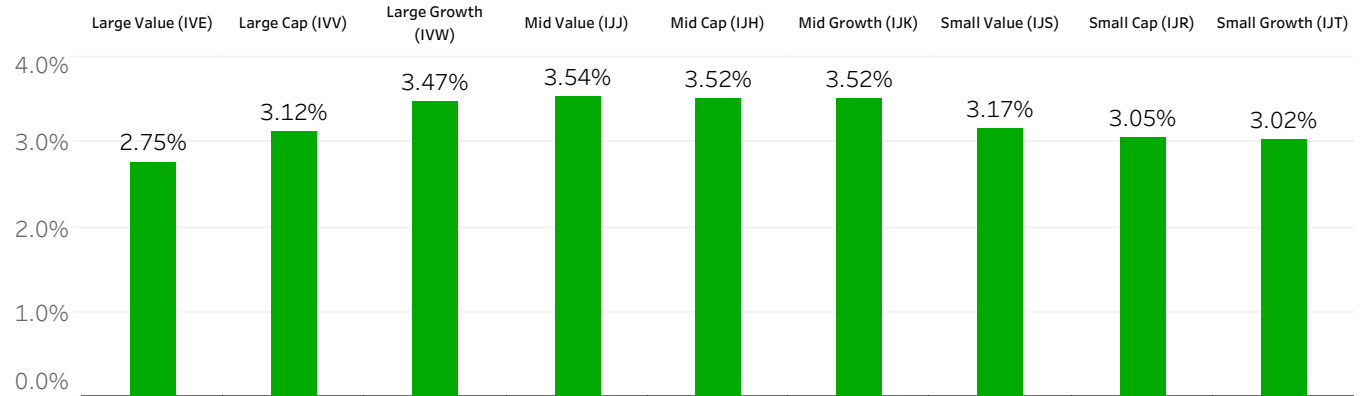


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	4.82%
SPHB	Invesco S&P 500 High Beta ETF	4.67%
LCG	Sterling Capital Focus Equity ETF	4.28%
SDVY	First Trust SMID Cap Rising Dividend Achievers ETF	4.05%
GVIP	Goldman Sachs Hedge Industry VIP ETF	4.00%
RWK	Invesco S&P MidCap 400 Revenue ETF	3.98%
MMLG	First Trust Multi-Manager Large Growth ETF	3.98%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	3.96%
MOAT	VanEck Morningstar Wide Moat ETF	3.96%
XMVM	Invesco S&P MidCap Value with Momentum ETF	3.93%

Size & Style Most Overbought

Ticker	Fund	Value
IPO	Renaissance IPO ETF	58.64
PTMC	Pacer Trendpilot US Mid Cap ETF	56.87
PABU	iShares Paris-Aligned Climate MSCI USA ETF	55.64
LCG	Sterling Capital Focus Equity ETF	55.49
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovation ETF	54.82
USMV	iShares MSCI USA Min Vol Factor ETF	53.92
QLV	FlexShares US Quality Low Volatility Index Fund	53.76
MOAT	VanEck Morningstar Wide Moat ETF	53.66
VFMV	Vanguard U.S. Minimum Volatility ETF	53.60
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	53.45

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.02%
LGH	HCM Defender 500 Index ETF	0.00%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.03%
QQH	HCM Defender 100 Index ETF	0.19%
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	0.70%
RPHS	Regents Park Hedged Market Strategy ETF	0.96%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	1.15%
DIVZ	TrueShares Low Volatility Equity Income ETF	1.60%

Size & Style Most Oversold

Ticker	Fund	Value
ONOF	Global X Adaptive U.S. Risk Management ETF	29.61
LGH	HCM Defender 500 Index ETF	29.68
FFTY	Innovator IBD 50 ETF	32.59
QQH	HCM Defender 100 Index ETF	33.32
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	36.16
EQRR	ProShares Equities for Rising Rates ETF	36.29
DWAS	Invesco DWA SmallCap Momentum ETF	36.86
QVAL	Alpha Architect U.S. Quantitative Value ETF	37.33
X SVM	Invesco S&P SmallCap Value with Momentum ETF	38.98
COWZ	Pacer US Cash Cows 100 ETF	39.23

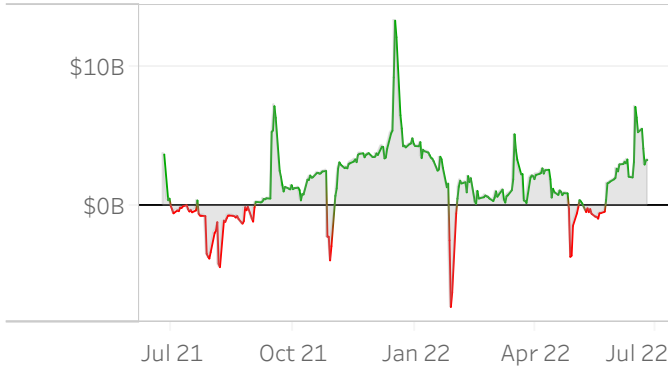
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

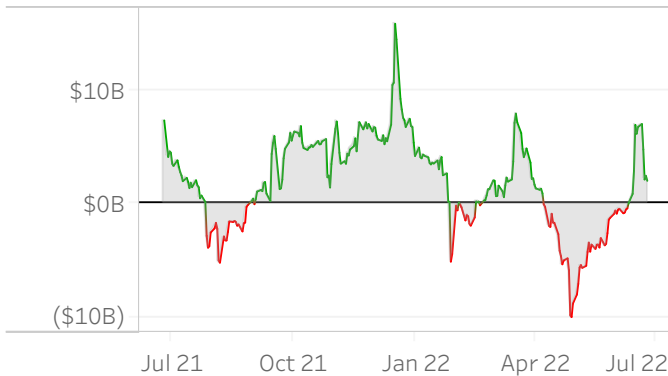
Large-Cap 30-Day Rolling Flows



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 Growth, Beta	25	\$1,142B	(\$3.31B)	\$5.22B	\$37.83B	\$131.12B
Large Cap, Beta Growth, Beta: Growth	10	\$208B	\$0.47B	\$5.33B	\$6.38B	\$9.85B
Large Cap, Beta Growth, Beta: Value	11	\$206B	\$0.53B	\$5.31B	\$18.63B	\$25.94B
Mid Cap, Beta, Beta	10	\$161B	(\$1.42B)	\$3.00B	\$5.34B	\$11.22B
Mid Cap, Beta, Beta: Growth	6	\$29B	(\$0.26B)	\$0.21B	(\$0.34B)	(\$1.74B)
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.08B)	\$0.12B	\$0.90B	\$0.63B
Small Cap, Beta, Beta	13	\$177B	(\$2.54B)	(\$4.41B)	(\$3.12B)	\$8.89B
Small Cap, Beta, Beta: Growth	7	\$29B	(\$0.49B)	\$0.20B	\$0.21B	\$1.46B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.82B)	(\$1.11B)	(\$1.84B)	(\$4.82B)

U.S. Size & Style Flow Leaders

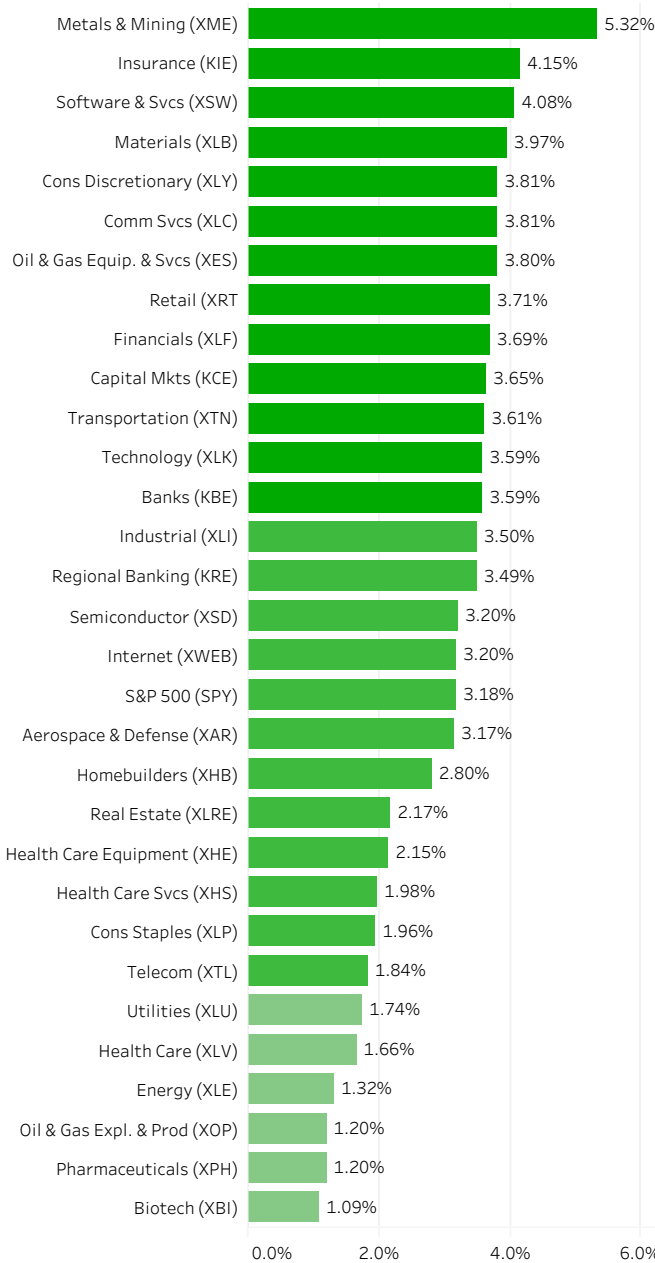
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$1.66B	\$2.44B	\$3.23B	\$6.25B	\$39.60B
QQQ	Invesco QQQ Trust	\$0.79B	\$3.29B	\$3.24B	\$20.70B	\$156.42B
IWS	iShares Russell Mid-Cap Value ETF	\$0.76B	\$0.45B	\$0.35B	\$0.62B	\$13.16B
SPYV	SPDR Portfolio S&P 500 Value ETF	\$0.74B	(\$0.24B)	\$1.79B	\$1.78B	\$12.93B
IWR	iShares Russell Midcap ETF	\$0.67B	\$1.34B	\$1.86B	\$1.59B	\$26.33B
VONV	Vanguard Russell 1000 Value ETF	\$0.55B	(\$0.17B)	\$0.28B	\$0.60B	\$6.38B
VYM	Vanguard High Dividend Yield Index ETF	\$0.28B	\$2.47B	\$4.76B	\$6.95B	\$42.56B
VTWO	Vanguard Russell 2000 ETF	\$0.27B	(\$0.40B)	\$0.02B	\$1.88B	\$5.49B
VONG	Vanguard Russell 1000 Growth ETF	\$0.20B	\$0.47B	\$0.58B	\$0.57B	\$6.62B
COWZ	Pacer US Cash Cows 100 ETF	\$0.19B	\$3.17B	\$5.39B	\$5.90B	\$5.94B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$2.09B)	(\$1.65B)	(\$12.31B)	\$19.52B	\$344.78B
IVV	iShares Core S&P 500 ETF	(\$1.81B)	\$1.38B	\$15.61B	\$31.08B	\$279.83B
VO	Vanguard Mid-Cap ETF	(\$1.79B)	\$1.48B	\$2.23B	\$6.29B	\$46.57B
VB	Vanguard Small-Cap ETF	(\$1.58B)	(\$0.42B)	(\$0.01B)	\$2.84B	\$38.92B
VTI	Vanguard Total Stock Market ETF	(\$1.36B)	\$4.23B	\$13.24B	\$37.24B	\$245.19B
IWM	iShares Russell 2000 ETF	(\$1.19B)	(\$1.22B)	(\$2.96B)	(\$0.17B)	\$51.84B
MOAT	VanEck Morningstar Wide Moat ETF	(\$1.11B)	\$0.12B	\$0.30B	\$1.04B	\$6.30B
VBR	Vanguard Small Cap Value ETF	(\$0.97B)	(\$0.65B)	(\$0.68B)	\$0.84B	\$21.66B
FNDX	Schwab Fundamental US Large Co. Index ETF	(\$0.84B)	\$0.02B	\$1.46B	\$2.58B	\$8.81B
VTV	Vanguard Value ETF	(\$0.82B)	\$3.39B	\$12.77B	\$17.70B	\$93.38B

* 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)
XLV	Health Care Select Sector SPDR Fund	-9.54%	7.77%	-0.21%	-2.19%	55.97
XLP	Consumer Staples Select Sector SPDR Fund	-9.58%	5.89%	-2.37%	-1.75%	53.31
XLU	Utilities Select Sector SPDR Fund	-10.33%	8.57%	-3.88%	-0.70%	46.57
XLB	Materials Select Sector SPDR Fund	-15.62%	3.97%	-8.25%	-10.20%	38.50
XLI	Industrial Select Sector SPDR Fund	-17.08%	3.81%	-4.95%	-11.32%	44.59
SPY	SPDR S&P 500 ETF Trust	-18.34%	6.62%	-3.40%	-11.19%	49.33
XLRE	Real Estate Select Sector SPDR Fund	-19.30%	7.62%	-4.64%	-10.29%	50.07
XLF	Financial Select Sector SPDR Fund	-21.92%	4.86%	-5.20%	-14.40%	45.12
XLE	Energy Select Sector SPDR Fund	-22.42%	56.34%	-11.93%	5.79%	31.93
XLK	Technology Select Sector SPDR Fund	-24.46%	8.07%	-2.64%	-13.48%	50.92
XLY	Consumer Discretionary Select Sector SPDR Fund	-30.47%	9.18%	-4.37%	-18.82%	50.92
XLC	Communication Services Select Sector SPDR Fund	-33.83%	7.27%	-3.25%	-19.54%	49.74

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	Performance
PEJ	Invesco Dynamic Leisure & Entertainment ETF	5.39%
XME	SPDR S&P Metals & Mining ETF	5.32%
FDN	First Trust Dow Jones Internet Index Fund	5.09%
FTXL	First Trust Nasdaq Semiconductor ETF	5.04%
PYZ	Invesco DWA Basic Materials Momentum ETF	5.04%
PNQI	Invesco NASDAQ Internet ETF	4.69%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	4.54%
RTM	Invesco S&P 500 Equal Weight Materials ETF	4.53%
PSI	Invesco Dynamic Semiconductors ETF	4.44%
SOXX	iShares Semiconductor ETF	4.43%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	62.16
PBE	Invesco Dynamic Biotechnology & Genome ETF	61.78
IBB	iShares Biotechnology ETF	60.38
IHE	iShares U.S. Pharmaceuticals ETF	60.07
FBT	First Trust NYSE Arca Biotechnology Index Fund	59.92
PJP	Invesco Dynamic Pharmaceuticals ETF	58.32
XPH	SPDR S&P Pharmaceuticals ETF	58.26
IYH	iShares U.S. Healthcare ETF	57.10
FHLC	Fidelity MSCI Health Care Index ETF	56.90
VHT	Vanguard Health Care ETF	56.85

Sector & Industry 1 Day Performance Laggards

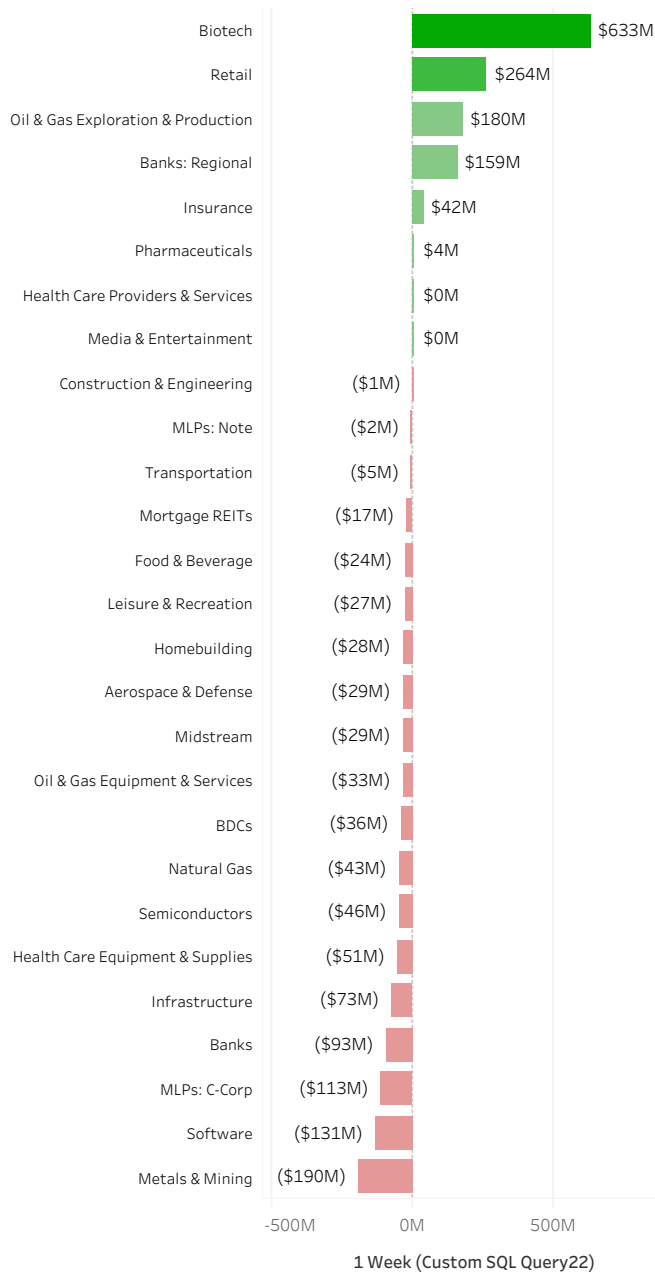
Ticker	Fund	Performance
RYE	Invesco S&P 500 Equal Weight Energy ETF	0.98%
IHF	iShares U.S. Healthcare Providers ETF	1.00%
XBI	SPDR S&P BIOTECH ETF	1.09%
PXE	Invesco Dynamic Energy Exploration & Production ETF	1.16%
XPH	SPDR S&P Pharmaceuticals ETF	1.20%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	1.20%
XLE	Energy Select Sector SPDR Fund	1.32%
PTH	Invesco DWA Healthcare Momentum ETF	1.36%
PSCH	Invesco S&P SmallCap Health Care ETF	1.37%
PBE	Invesco Dynamic Biotechnology & Genome ETF	1.38%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RYE	Invesco S&P 500 Equal Weight Energy ETF	30.21
FXZ	First Trust Materials AlphaDEX Fund	30.79
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	31.04
FTXN	First Trust Nasdaq Oil & Gas ETF	31.33
FCG	First Trust Natural Gas ETF	31.42
PXE	Invesco Dynamic Energy Exploration & Production ETF	31.74
XLE	Energy Select Sector SPDR Fund	31.93
XES	SPDR S&P Oil & Gas Equipment & Services ETF	32.04
IEZ	iShares U.S. Oil Equipment & Services ETF	32.79
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	32.95

* 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	\$13B	\$134M	(\$460M)	(\$1,148M)	\$144M
Consumer Discretionary	13	\$22B	(\$61M)	(\$1,763M)	(\$5,523M)	(\$4,045M)
Consumer Staples	12	\$26B	\$351M	\$2,476M	\$5,627M	\$6,267M
Energy	34	\$68B	(\$1,056M)	(\$2,195M)	\$2,376M	\$2,078M
Financials	28	\$56B	(\$338M)	(\$14,325M)	(\$10,477M)	(\$9,988M)
Health Care	26	\$87B	\$79M	\$3,457M	\$7,019M	\$14,727M
Industrial	14	\$27B	(\$308M)	(\$2,328M)	(\$1,927M)	(\$5,896M)
Materials	10	\$15B	(\$429M)	(\$523M)	\$1,351M	(\$1,329M)
Multi-Sector	19	\$14B	(\$73M)	(\$1,228M)	(\$4,719M)	(\$2,660M)
Real Estate	24	\$66B	(\$300M)	(\$1,514M)	(\$2,251M)	\$2,996M
Technology	24	\$113B	(\$136M)	\$309M	(\$1,868M)	\$6,217M
Utilities	10	\$24B	(\$96M)	\$2,651M	\$4,101M	\$4,984M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$574M	\$813M	\$2,273M	\$3,424M	\$7,169M
XLP	Consumer Staples Select Sector SPDR Fund	\$369M	\$658M	\$3,026M	\$3,180M	\$15,270M
XRT	SPDR S&P Retail ETF	\$269M	\$94M	(\$61M)	(\$40M)	\$526M
XLRE	Real Estate Select Sector SPDR Fund	\$226M	\$505M	\$551M	\$2,451M	\$5,176M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$224M	(\$1,018M)	(\$354M)	(\$1,177M)	\$4,190M
KRE	SPDR S&P Regional Banking ETF	\$163M	(\$1,604M)	(\$898M)	(\$1,465M)	\$3,127M
XLC	Communication Services Select Sector SPDR Fu..	\$138M	(\$171M)	(\$809M)	(\$50M)	\$9,367M
XLK	Technology Select Sector SPDR Fund	\$89M	\$847M	\$237M	\$2,545M	\$38,548M
FDN	First Trust Dow Jones Internet Index Fund	\$69M	(\$924M)	(\$2,175M)	(\$2,171M)	\$4,298M
XHB	SPDR S&P Homebuilders ETF	\$68M	(\$163M)	(\$763M)	(\$464M)	\$1,024M

U.S. Sector & Industry Flow Laggards

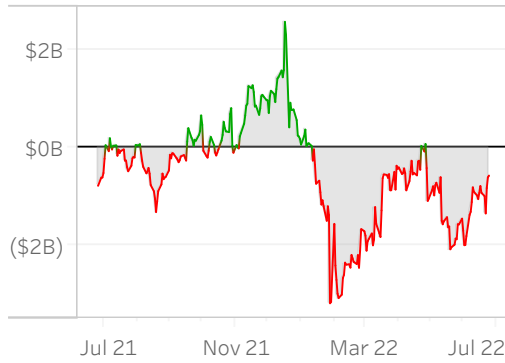
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	(\$540M)	\$3,012M	\$5,205M	\$9,930M	\$37,387M
XLE	Energy Select Sector SPDR Fund	(\$408M)	(\$822M)	\$155M	(\$419M)	\$33,638M
VNQ	Vanguard Real Estate ETF	(\$365M)	(\$1,313M)	(\$1,015M)	\$1,720M	\$38,344M
XLF	Financial Select Sector SPDR Fund	(\$363M)	(\$9,114M)	(\$6,260M)	(\$6,142M)	\$29,337M
FTXN	First Trust Nasdaq Oil & Gas ETF	(\$317M)	\$19M	(\$75M)	\$777M	\$1,003M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$302M)	(\$222M)	(\$2,373M)	(\$1,485M)	\$14,547M
XLI	Industrial Select Sector SPDR Fund	(\$244M)	(\$989M)	(\$1,885M)	(\$4,665M)	\$12,629M
XME	SPDR S&P Metals & Mining ETF	(\$190M)	(\$598M)	\$337M	\$121M	\$2,077M
VDE	Vanguard Energy ETF	(\$176M)	(\$550M)	(\$287M)	\$79M	\$7,108M
XLB	Materials Select Sector SPDR Fund	(\$147M)	(\$70M)	(\$414M)	(\$2,457M)	\$6,296M

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

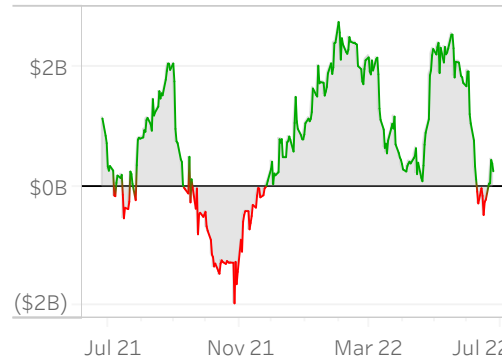
Communication Services



Consumer Discretionary



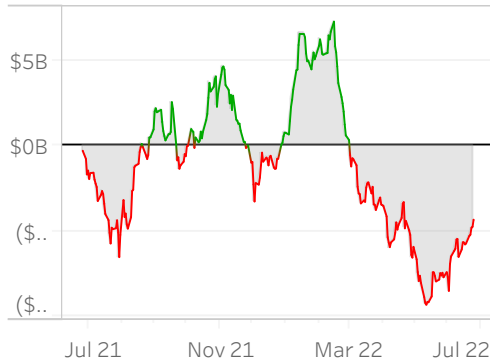
Consumer Staples



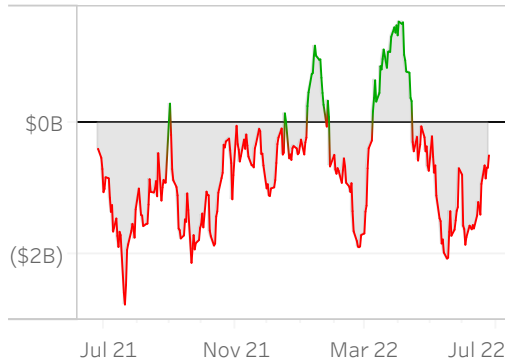
Energy



Financials



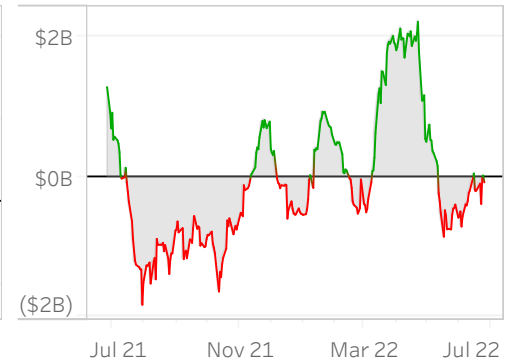
Industrial



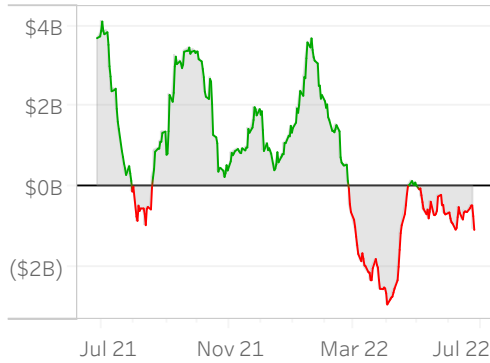
Health Care



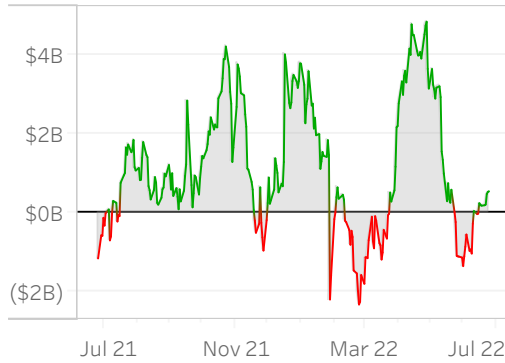
Materials



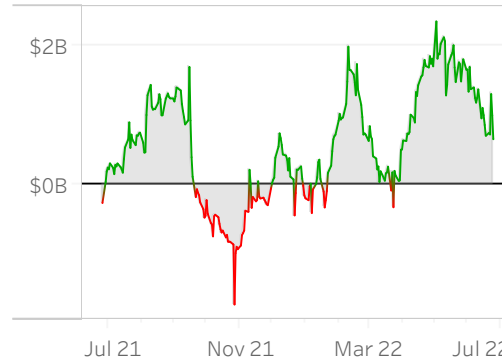
Real Estate



Technology



Utilities

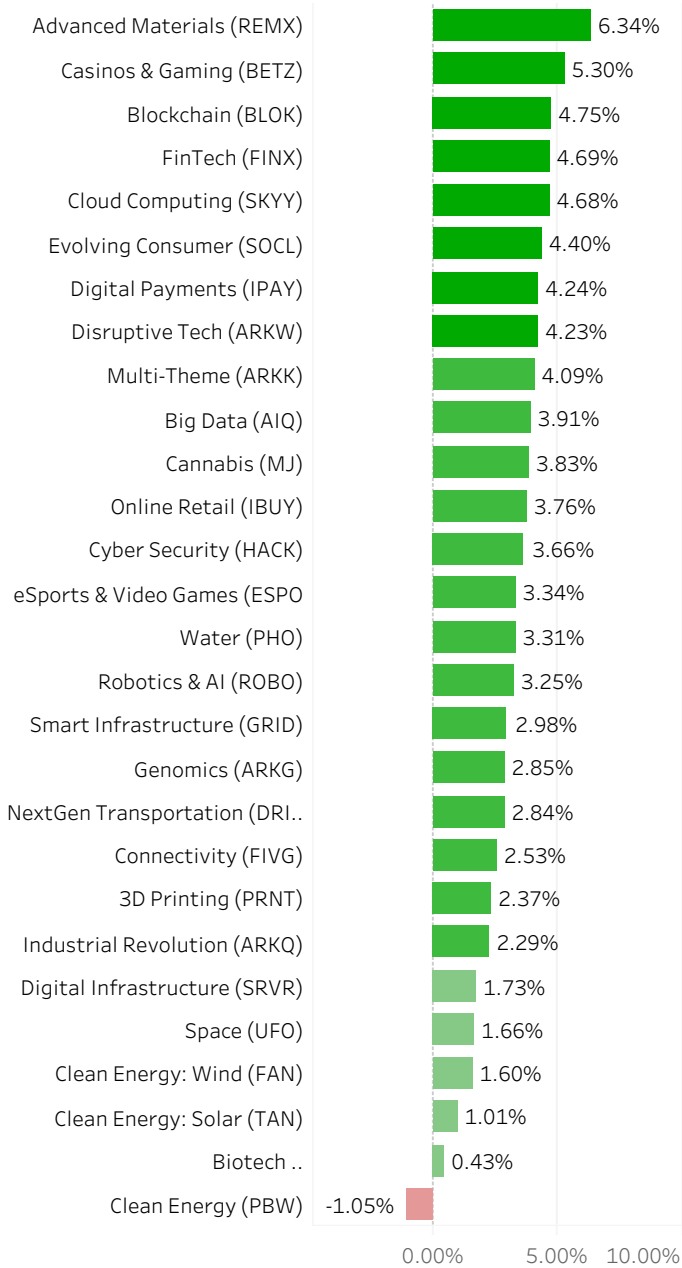


Multi-Sector

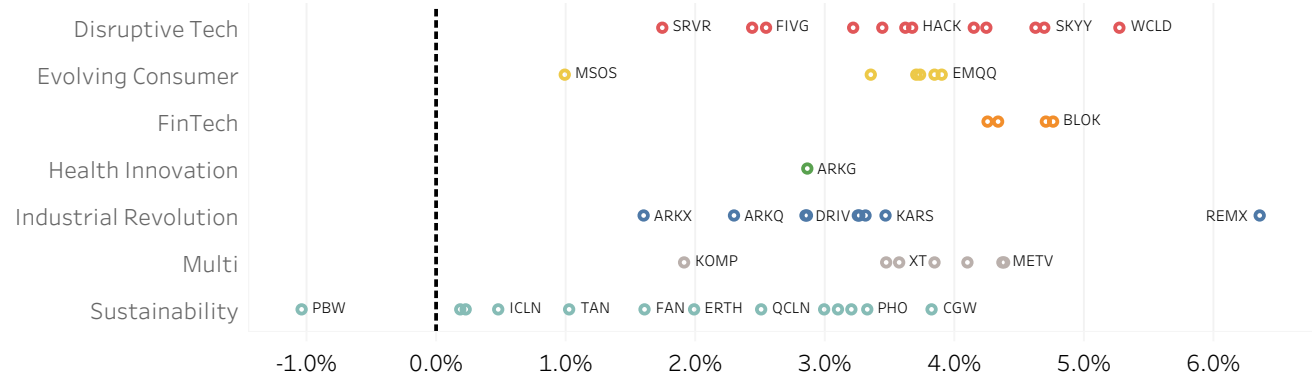


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
REMX	VanEck Rare Earth/Strategic Metals ETF	6.34%
BITQ	Bitwise Crypto Industry Innovators ETF	5.76%
BKCH	Global X Blockchain ETF	5.51%
BETZ	Roundhill Sports Betting & iGaming ETF	5.30%
WCLD	WisdomTree Cloud Computing Fund	5.26%
BJK	VanEck Gaming ETF	4.97%
BLOK	Amplify Transformational Data Sharing ETF	4.75%
FINX	Global X FinTech ETF	4.69%
SKYY	First Trust Cloud Computing ETF	4.68%
CLOU	Global X Cloud Computing ETF	4.61%

Thematic Most Overbought

Ticker	Fund	Value
KGRN	KraneShares MSCI China Clean Technology Index ETF	73.21
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	62.10
KWEB	KraneShares CSI China Internet ETF	61.00
BTEC	Principal Healthcare Innovators ETF	60.84
GNOM	Global X Genomics & Biotechnology ETF	60.64
KSTR	KraneShares SSE STAR Market 50 Index ETF	60.22
SBIO	ALPS Medical Breakthroughs ETF	60.12
GDOC	Goldman Sachs Future Health Care Equity ETF	59.68
LIT	Global X Lithium & Battery Tech ETF	59.40
ARKG	ARK Genomic Revolution ETF	59.12

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
PBW	Invesco WilderHill Clean Energy ETF	-1.05%
CNRG	SPDR S&P Kensho Clean Power ETF	0.17%
ACES	ALPS Clean Energy ETF	0.21%
SBIO	ALPS Medical Breakthroughs ETF	0.43%
ICLN	iShares Global Clean Energy ETF	0.47%
CTEC	Global X CleanTech ETF	0.86%
MSOS	AdvisorShares Pure US Cannabis ETF	0.98%
TAN	Invesco Solar ETF	1.01%
EVX	VanEck Environmental Services ETF	1.14%
MOON	Direxion Moonshot Innovators ETF	1.45%

Thematic Most Oversold

Ticker	Fund	Value
MSOS	AdvisorShares Pure US Cannabis ETF	27.25
YOLO	AdvisorShares Pure Cannabis ETF	33.30
EVX	VanEck Environmental Services ETF	38.66
BKCH	Global X Blockchain ETF	39.15
BITQ	Bitwise Crypto Industry Innovators ETF	41.04
REMX	VanEck Rare Earth/Strategic Metals ETF	42.50
AWAY	ETFMG Travel Tech ETF	42.60
POTX	Global X Cannabis ETF	43.51
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	43.56
BOTZ	Global X Robotics & Artificial Intelligence ETF	44.02

* 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
ARKK	ARK Innovation ETF	\$301M
KWEB	KraneShares CSI China Internet ETF	\$301M
PBW	Invesco WilderHill Clean Energy ETF	\$117M
ACES	ALPS Clean Energy ETF	\$50M
ICLN	iShares Global Clean Energy ETF	\$38M
ARKW	ARK Next Generation Internet ETF	\$24M
WCLD	WisdomTree Cloud Computing Fund	\$12M
ESPO	VanEck Video Gaming and eSports ETF	\$7M
SAMT	Strategas Macro Thematic Opportunities ETF	\$3M
ARKF	ARK Fintech Innovation ETF	\$2M

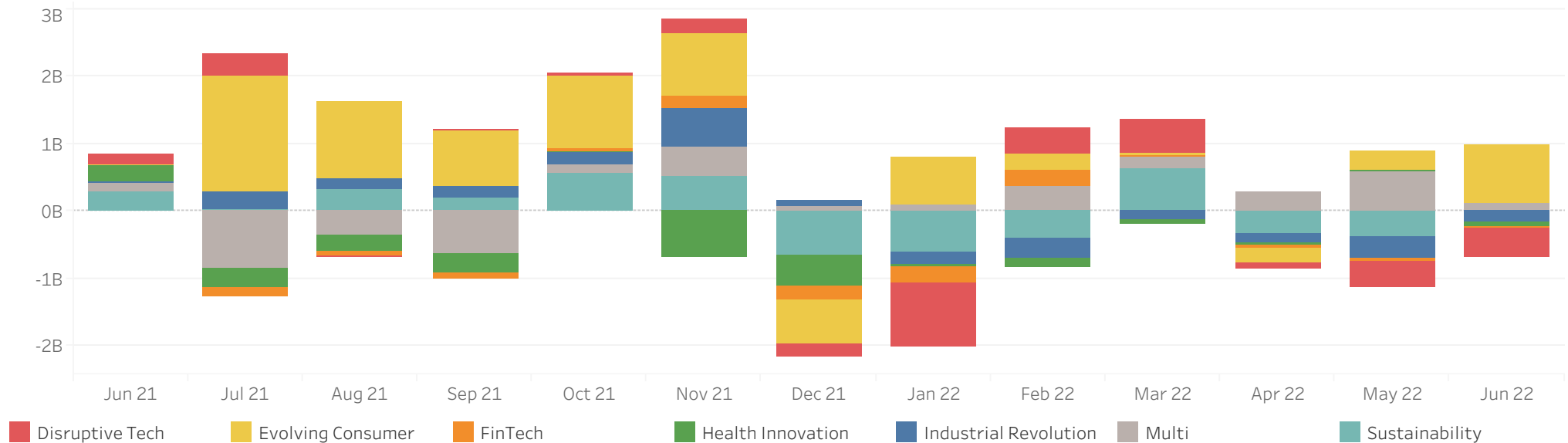
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
HACK	ETFMG Prime Cyber Security ETF	(\$54M)
ARKG	ARK Genomic Revolution ETF	(\$47M)
LIT	Global X Lithium & Battery Tech ETF	(\$44M)
ERTH	Invesco MSCI Sustainable Future ETF	(\$30M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$18M)
SKYY	First Trust Cloud Computing ETF	(\$13M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$13M)
XT	iShares Exponential Technologies ETF	(\$12M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$12M)
TAN	Invesco Solar ETF	(\$11M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$18B	(\$87M)	(\$852M)	(\$1,052M)	(\$418M)
Evolving Consumer	48	\$12B	\$290M	\$968M	\$1,680M	\$6,994M
FinTech	24	\$3B	(\$11M)	(\$79M)	(\$157M)	(\$318M)
Health Innovation	19	\$4B	(\$49M)	(\$68M)	(\$495M)	(\$2,006M)
Industrial Revolution	32	\$12B	(\$81M)	(\$620M)	(\$1,216M)	\$161M
Multi	42	\$16B	\$277M	\$873M	\$1,448M	\$545M
Sustainability	42	\$17B	\$138M	(\$762M)	(\$1,192M)	\$183M
Grand Total	243	\$82B	\$477M	(\$540M)	(\$984M)	\$5,141M

Thematic Monthly Flows

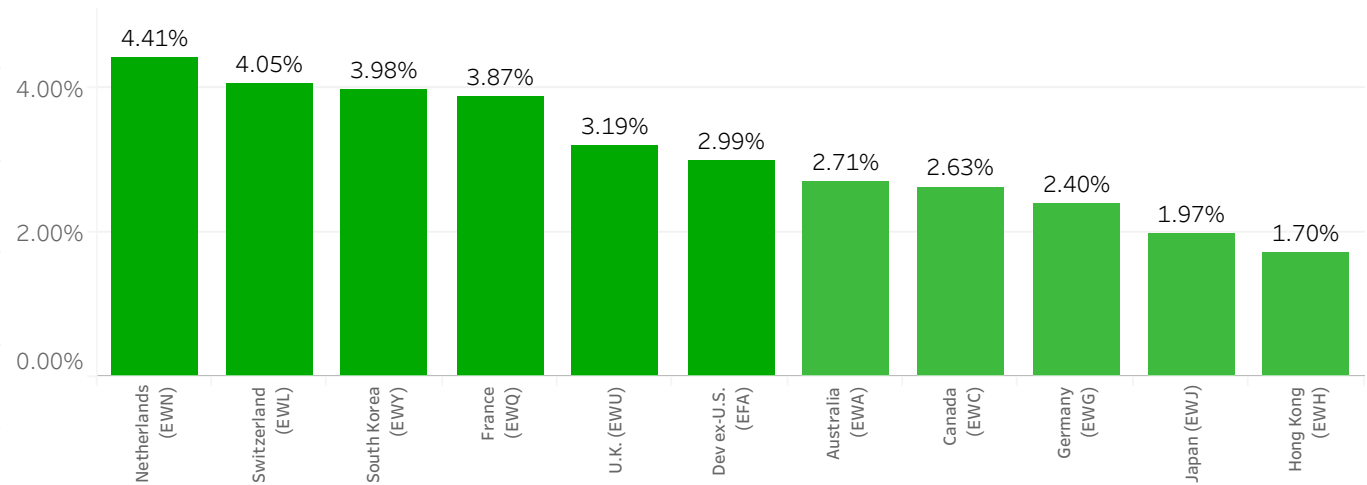


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

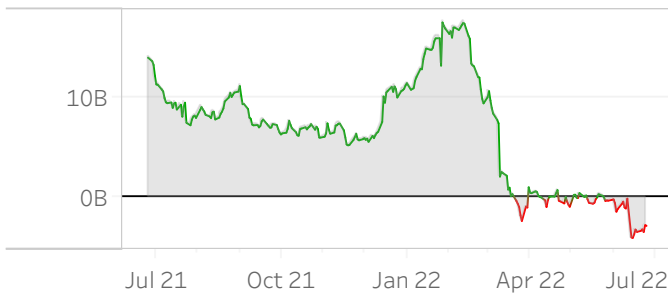
Developed ex-U.S. (EFA)



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



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



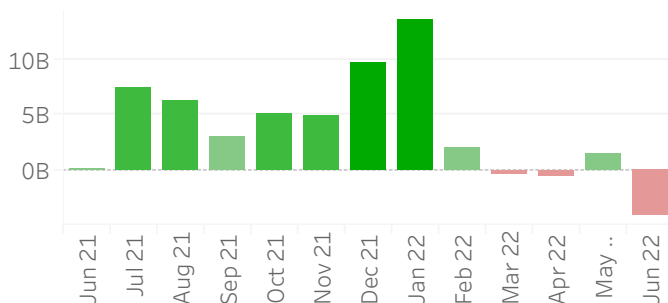
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWN	iShares MSCI Netherlands ETF	4.41%
EWL	iShares MSCI Switzerland ETF	4.05%
EWY	iShares MSCI South Korea ETF	3.98%
EWQ	iShares MSCI France ETF	3.87%
FLKR	Franklin FTSE South Korea ETF	3.83%
EWD	iShares MSCI Sweden ETF	3.66%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	3.65%
PIZ	Invesco DWA Developed Markets Momentum ETF	3.62%
IDHQ	Invesco S&P International Developed High Quality ETF	3.59%
IQDG	WisdomTree International Quality Dividend Growth Fund	3.53%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	52.03
AAXJ	iShares MSCI All Country Asia ex Japan ETF	51.95
AIA	iShares Asia 50 ETF	51.21
ISRA	VanEck Israel ETF	50.15
EWH	iShares MSCI Hong Kong ETF	49.82
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	48.76
EDEN	iShares MSCI Denmark ETF	48.14
EWS	iShares MSCI Singapore ETF	48.00
HEFA	iShares Currency Hedged MSCI EAFE ETF	47.68
EFG	iShares MSCI EAFE Growth ETF	47.28

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
PTIN	Pacer Trendpilot International ETF	-0.01%
EWJV	iShares MSCI Japan Value ETF	0.95%
GREK	Global X MSCI Greece ETF	1.06%
DFJ	WisdomTree Japan SmallCap Dividend Fund	1.39%
FYLD	Cambria Foreign Shareholder Yield ETF	1.55%
DDLZ	WisdomTree Dynamic Currency Hedged International Sma..	1.61%
ENZL	iShares MSCI New Zealand ETF	1.61%
LVHI	Franklin International Low Volatility High Dividend Index ..	1.64%
DFE	WisdomTree Europe SmallCap Dividend Fund	1.66%
EWH	iShares MSCI Hong Kong ETF	1.70%

Developed ex-U.S. Most Oversold

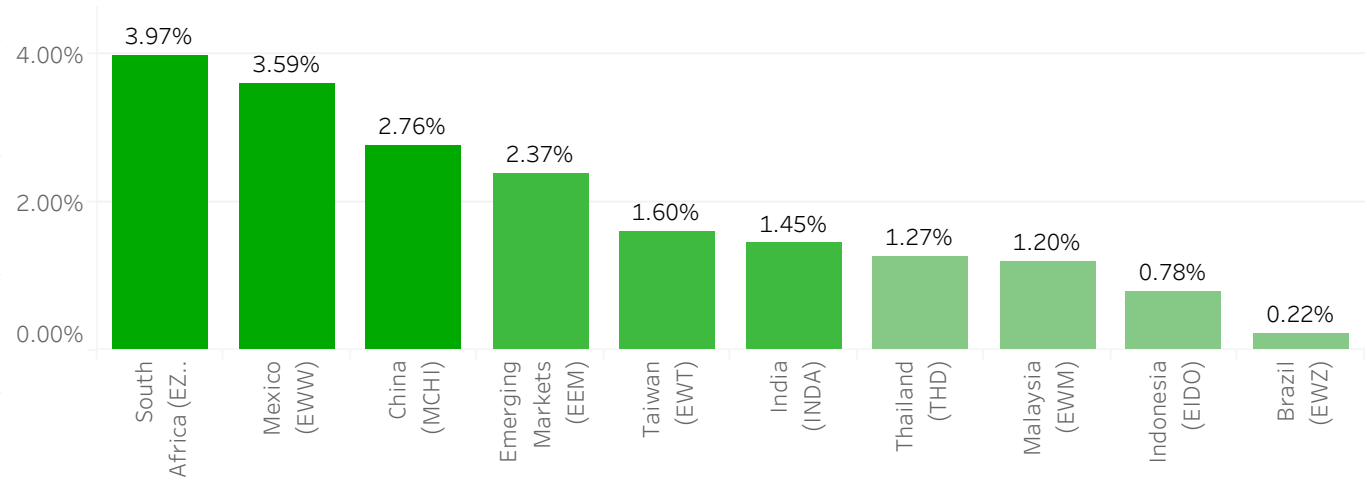
Ticker	Fund	Value
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	29.86
FDD	First Trust Stoxx European Select Dividend Index Fu..	29.90
FYLD	Cambria Foreign Shareholder Yield ETF	29.92
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	31.00
DTH	WisdomTree International High Dividend Fund	31.36
FEP	First Trust Europe AlphaDEX Fund	31.45
DIM	WisdomTree International MidCap Dividend Fund	31.55
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	31.82
DFE	WisdomTree Europe SmallCap Dividend Fund	31.86
DLS	WisdomTree International SmallCap Dividend Fund	31.95

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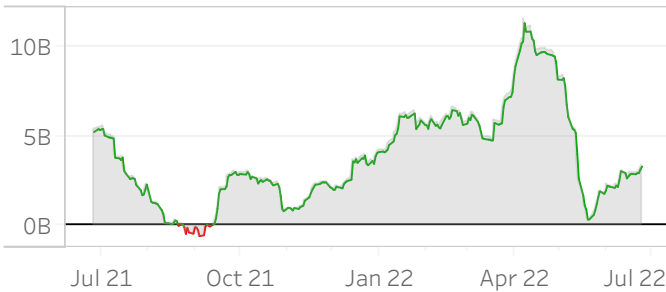
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



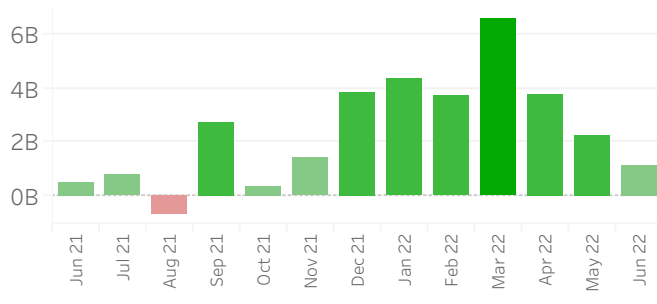
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EZA	iShares MSCI South Africa ETF	3.97%
PGJ	Invesco Golden Dragon China ETF	3.81%
EWW	iShares MSCI Mexico ETF	3.59%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.18%
FNI	First Trust Chindia ETF	3.07%
MCHI	iShares MSCI China ETF	2.76%
EPOL	iShares MSCI Poland ETF	2.75%
FXI	iShares China Large-Cap ETF	2.73%
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterp..	2.72%
FLCH	Franklin FTSE China ETF	2.70%

Emerging Most Overbought

Ticker	Fund	Price
KBA	KraneShares Boserá MSCI China A 50 Connect Index E..	65.71
CNYA	iShares MSCI China A ETF	65.12
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	64.87
PGJ	Invesco Golden Dragon China ETF	64.80
RAYC	Rayliant Quantamental China Equity ETF	64.66
ECNS	iShares MSCI China Small-Cap ETF	63.44
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	63.15
FLCH	Franklin FTSE China ETF	61.86
MCHI	iShares MSCI China ETF	61.53
FNI	First Trust Chindia ETF	61.37

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.86%
FLBR	Franklin FTSE Brazil ETF	0.12%
EWZ	iShares MSCI Brazil ETF	0.22%
ECH	iShares MSCI Chile ETF	0.25%
DVYE	iShares Emerging Markets Dividend ETF	0.45%
TUR	iShares MSCI Turkey ETF	0.63%
EIDO	iShares MSCI Indonesia ETF	0.78%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.92%
DEM	WisdomTree Emerging Markets High Dividend Fund	0.93%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	1.15%

Emerging Most Oversold

Ticker	Fund	Price
FLBR	Franklin FTSE Brazil ETF	22.73
FM	iShares MSCI Frontier and Select EM ETF	24.11
EWZ	iShares MSCI Brazil ETF	24.45
EPHE	iShares MSCI Philippines ETF	24.85
EPI	WisdomTree India Earnings Fund	25.33
KSA	iShares MSCI Saudi Arabia ETF	27.48
EWZS	iShares MSCI Brazil Small-Cap ETF	27.60
ILF	iShares Latin America 40 ETF	27.79
EPU	iShares MSCI Peru ETF	27.81
FEM	First Trust Emerging Markets AlphaDEX Fund	27.90

* 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	-0.16%	-2.29%	-10.71%
SHY	1-3 Year Treasury Bonds	-0.02%	-0.81%	-3.17%
IEF	7-10 Year Treasury Bonds	-0.35%	-2.71%	-11.56%
TLT	20+ Year Treasury Bonds	-1.38%	-5.13%	-23.45%
TIP	TIPS Bonds	0.10%	-1.71%	-7.81%
FLOT	Floating Rate Bonds	0.18%	-0.47%	-0.92%
LQD	Investment Grade Corporate	0.12%	-2.76%	-16.03%
HYG	High Yield Corporate	0.71%	-2.45%	-12.09%
BKLN	Senior Loan	0.34%	-0.74%	-5.44%
PFF	Preferred & Income Securities	1.07%	-0.51%	-14.81%
MUB	Municipal Bonds	0.09%	-0.44%	-8.21%
MBB	MBS	-0.08%	-2.72%	-9.56%
EMB	Dollar Denominated EM Bonds	0.13%	-4.05%	-19.19%
LEMB	Local Currency EM Bond	0.29%	-2.59%	-12.65%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.36%	-9.18%	25.12%
DBE	Energy	1.45%	3.73%	60.19%
USO	WTI Crude Oil	2.90%	-0.89%	49.50%
BNO	Brent Crude Oil	2.80%	0.74%	56.15%
UNG	Natural Gas	-0.23%	-29.32%	70.46%
UGA	Gasoline	3.51%	5.71%	76.68%
DBP	Precious Metals	0.06%	-2.82%	-3.06%
GLD	Gold	-0.10%	-2.32%	-0.51%
SLV	Silver	0.72%	-4.32%	-9.30%
PPLT	abrdrn Physical Platin..	-0.17%	-4.90%	-6.18%
PALL	abrdrn Physical Palla..	1.83%	-6.34%	-0.87%
DBB	Base Metals	-1.71%	-12.30%	-9.70%
CPER	Copper	-0.35%	-13.41%	-16.94%
LD	Lead	-1.36%	-11.08%	-14.31%
JJN	Nickel	-8.16%	-16.26%	7.14%
JJU	Aluminum	-1.61%	-17.81%	-14.04%
JJT	Tin	-9.05%	-28.62%	-36.84%
DBA	Agriculture	0.34%	-6.50%	4.96%
CORN	Corn	2.52%	-6.68%	24.47%
SOYB	Soybeans	0.76%	-5.88%	16.70%
WEAT	Wheat	-1.14%	-17.36%	28.82%
CANE	Sugar	-0.43%	-7.53%	0.11%
BAL	Cotton	-0.85%	-19.28%	4.62%
NIB	Cocoa	0.37%	-2.69%	-9.91%
JO	Coffee	-4.65%	4.55%	-0.83%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.22%	2.09%	8.39%
UDN	Short Dollar	0.24%	-2.40%	-8.43%
FXE	Euro	0.24%	-1.74%	-7.69%
FXB	British Pound Sterling	0.10%	-1.98%	-9.32%
FXF	Swiss Franc	0.22%	0.15%	-5.37%
FXJ	Japanese Yen	-0.22%	-6.22%	-15.06%
FXC	Canadian Dollar	0.67%	-0.75%	-2.18%
FXA	Australian Dollar	0.59%	-2.31%	-4.66%

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