

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

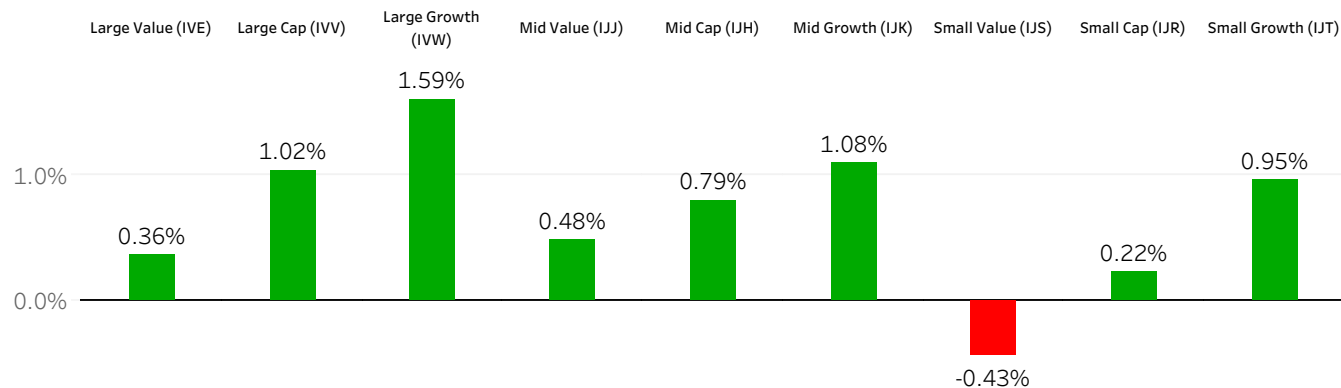


Small Cap Blend (S&P 600) IJR



■ 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
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	5.89%
ACSI	American Customer Satisfaction ETF	4.37%
NULG	Nuveen ESG Large-Cap Growth ETF	1.93%
WINN	Harbor Long-Term Growers ETF	1.83%
LCG	Sterling Capital Focus Equity ETF	1.78%
MGK	Vanguard Mega Cap Growth ETF	1.73%
SCHG	Schwab U.S. Large-Cap Growth ETF	1.68%
SPYG	SPDR Portfolio S&P 500 Growth ETF	1.68%
IUSG	iShares Core S&P U.S. Growth ETF	1.66%
ILCG	iShares Morningstar Growth ETF	1.66%

Size & Style Most Overbought

Ticker	Fund	Value
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	72.73
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	72.22
JSML	Janus Henderson Small Cap Growth Alpha ETF	67.44
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	67.11
ACSI	American Customer Satisfaction ETF	66.22
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	66.05
PABU	iShares Paris-Aligned Climate MSCI USA ETF	65.79
IJT	iShares S&P Small-Cap 600 Growth ETF	65.63
SLYG	SPDR S&P 600 Small Cap Growth ETF	65.55
PTNQ	Pacer Trendpilot 100 ETF	65.35

Size & Style 1-Day Performance Laggards

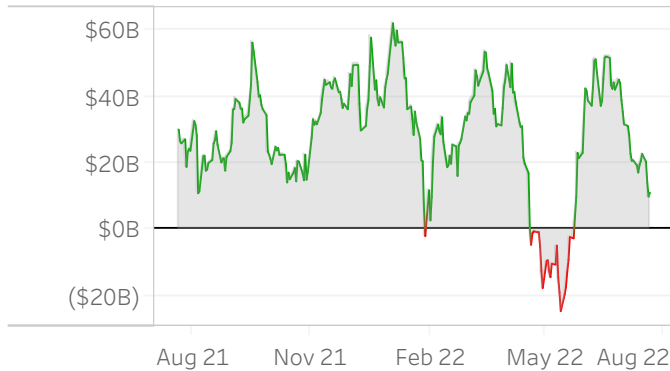
Ticker	Fund	1-Day Performance
RZV	Invesco S&P Smallcap 600 Pure Value ETF	-1.10%
WBIY	WBI Power Factor High Dividend ETF	-1.09%
DWAS	Invesco DWA SmallCap Momentum ETF	-0.82%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-0.79%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-0.73%
AVUV	Avantis U.S. Small Cap Value ETF	-0.55%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	-0.43%
IJS	iShares S&P Small-Cap 600 Value ETF	-0.43%
RPV	Invesco S&P 500 Pure Value ETF	-0.40%
DIVZ	TrueShares Low Volatility Equity Income ETF	-0.37%

Size & Style Most Oversold

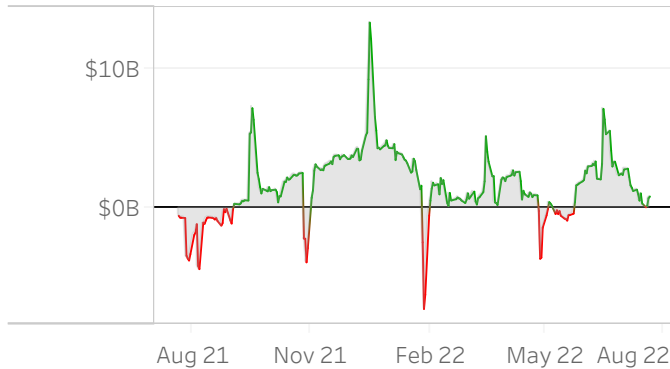
Ticker	Fund	Value
LGH	HCM Defender 500 Index ETF	32.83
QQH	HCM Defender 100 Index ETF	36.24
LFEQ	VanEck Long/Flat Trend ETF	41.55
ABEQ	Absolute Core Strategy ETF	43.34
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	43.50
PEY	Invesco High Yield Equity Dividend Achievers ETF	44.61
HDV	iShares Core High Dividend ETF	45.24
RUFF	Alpha Dog ETF	45.74
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	45.89
DHS	WisdomTree U.S. High Dividend Fund	46.10

*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	\$1,199B	\$1.11B	\$33.82B	\$41.47B	\$126.08B
Large Cap, Beta Growth, Beta: Growth	10	\$222B	\$0.82B	\$7.64B	\$10.33B	\$15.67B
Large Cap, Beta Growth, Beta: Value	11	\$210B	(\$0.75B)	\$4.51B	\$14.30B	\$26.66B
Mid Cap, Beta, Beta	10	\$171B	(\$0.01B)	\$2.81B	\$4.76B	\$12.54B
Mid Cap, Beta, Beta: Growth	6	\$31B	(\$0.03B)	\$0.28B	(\$0.18B)	\$0.67B
Mid Cap, Beta, Beta: Value	6	\$38B	\$0.04B	(\$0.08B)	(\$0.25B)	\$0.83B
Small Cap, Beta, Beta	13	\$185B	(\$0.05B)	(\$4.98B)	(\$4.19B)	\$5.79B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.05B)	\$0.61B	\$0.76B	\$1.41B
Small Cap, Beta, Beta: Value	7	\$49B	(\$0.18B)	(\$0.08B)	(\$3.15B)	(\$1.55B)

U.S. Size & Style Flow Leaders

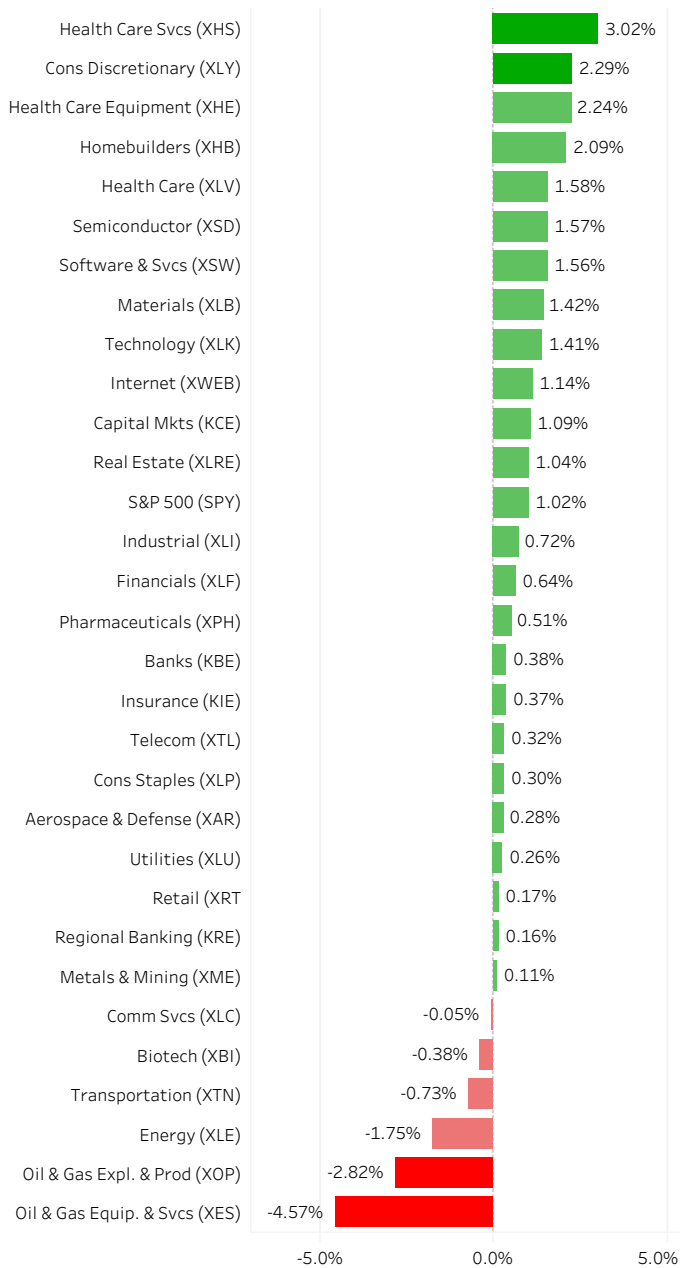
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.63B	\$0.96B	\$1.32B	\$1.90B	\$13.15B
VOO	Vanguard S&P 500 ETF	\$0.55B	\$14.27B	\$27.78B	\$43.63B	\$258.69B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.46B	\$0.80B	\$0.64B	\$0.69B	\$27.34B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.45B	\$0.96B	\$1.34B	\$2.52B	\$10.08B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.37B	\$0.92B	\$2.63B	\$4.06B	\$13.97B
VTI	Vanguard Total Stock Market ETF	\$0.35B	\$4.52B	\$11.34B	\$35.81B	\$258.28B
SCHD	Schwab US Dividend Equity ETF	\$0.25B	\$3.20B	\$6.77B	\$10.95B	\$35.52B
SPY	SPDR S&P 500 ETF Trust	\$0.22B	(\$0.48B)	(\$15.74B)	\$17.87B	\$357.98B
VUG	Vanguard Growth ETF	\$0.17B	\$2.94B	\$5.47B	\$6.83B	\$73.10B
DGRO	iShares Core Dividend Growth ETF	\$0.15B	\$0.85B	\$2.17B	\$4.17B	\$22.75B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWD	iShares Russell 1000 Value ETF	(\$0.59B)	\$0.38B	(\$0.81B)	\$1.35B	\$51.11B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.55B)	(\$0.31B)	(\$1.11B)	(\$3.26B)	\$9.69B
HDV	iShares Core High Dividend ETF	(\$0.50B)	\$3.31B	\$5.26B	\$5.47B	\$12.52B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.49B)	(\$1.04B)	(\$0.55B)	(\$1.33B)	\$19.11B
QQQ	Invesco QQQ Trust	(\$0.36B)	\$4.78B	\$6.54B	\$21.70B	\$167.39B
IWM	iShares Russell 2000 ETF	(\$0.22B)	(\$0.77B)	(\$1.81B)	(\$2.14B)	\$52.55B
IUSG	iShares Core S&P U.S. Growth ETF	(\$0.16B)	\$0.44B	\$0.64B	\$0.93B	\$11.30B
DVY	iShares Select Dividend ETF	(\$0.13B)	\$0.69B	\$2.03B	\$3.26B	\$21.24B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.12B)	(\$2.32B)	(\$5.00B)	(\$5.25B)	\$8.99B
VTV	Vanguard Value ETF	(\$0.12B)	\$3.27B	\$11.41B	\$17.80B	\$96.52B

* 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	-8.72%	8.74%	1.58%	-1.36%	54.96
XLP	Consumer Staples Select Sector SPDR Fund	-9.74%	5.70%	0.15%	-2.27%	51.26
XLU	Utilities Select Sector SPDR Fund	-11.01%	7.76%	-3.01%	-2.11%	42.89
XLI	Industrial Select Sector SPDR Fund	-15.29%	6.13%	0.81%	-8.34%	58.90
SPY	SPDR S&P 500 ETF Trust	-16.52%	9.00%	2.06%	-8.18%	60.63
XLB	Materials Select Sector SPDR Fund	-16.57%	6.58%	-4.00%	-10.48%	52.14
XLRE	Real Estate Select Sector SPDR Fund	-19.05%	7.95%	0.36%	-9.25%	55.16
XLF	Financial Select Sector SPDR Fund	-20.47%	7.16%	0.46%	-11.42%	57.59
XLK	Technology Select Sector SPDR Fund	-21.23%	12.67%	4.84%	-8.60%	63.99
XLE	Energy Select Sector SPDR Fund	-22.26%	56.67%	-8.84%	3.42%	46.12
XLY	Consumer Discretionary Select Sector SPDR Fund	-26.38%	15.61%	7.18%	-12.28%	66.48
XLC	Communication Services Select Sector SPDR Fund	-32.60%	9.27%	2.05%	-15.18%	58.90

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XHS	SPDR S&P Health Care Services ETF	3.02%
IHI	iShares U.S. Medical Devices ETF	3.01%
ITB	iShares U.S. Home Construction ETF	2.40%
XLY	Consumer Discretionary Select Sector SPDR Fund	2.29%
XHE	SPDR S&P Health Care Equipment ETF	2.24%
IGN	iShares North American Tech-Multimedia Network..	2.09%
XHB	SPDR S&P Homebuilders ETF	2.09%
VCR	Vanguard Consumer Discretionary ETF	2.03%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	1.97%
RYH	Invesco S&P 500 Equal Weight Health Care ETF	1.85%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XHS	SPDR S&P Health Care Services ETF	69.27
PSCT	Invesco S&P SmallCap Information Technology ETF	68.69
PKB	Invesco Dynamic Building & Construction ETF	68.60
ITB	iShares U.S. Home Construction ETF	68.26
XHB	SPDR S&P Homebuilders ETF	67.74
IGN	iShares North American Tech-Multimedia Networking E..	66.91
PSI	Invesco Dynamic Semiconductors ETF	66.88
XSD	SPDR S&P Semiconductor ETF	66.62
XLY	Consumer Discretionary Select Sector SPDR Fund	66.48
SOXX	iShares Semiconductor ETF	66.22

Sector & Industry 1 Day Performance Laggards

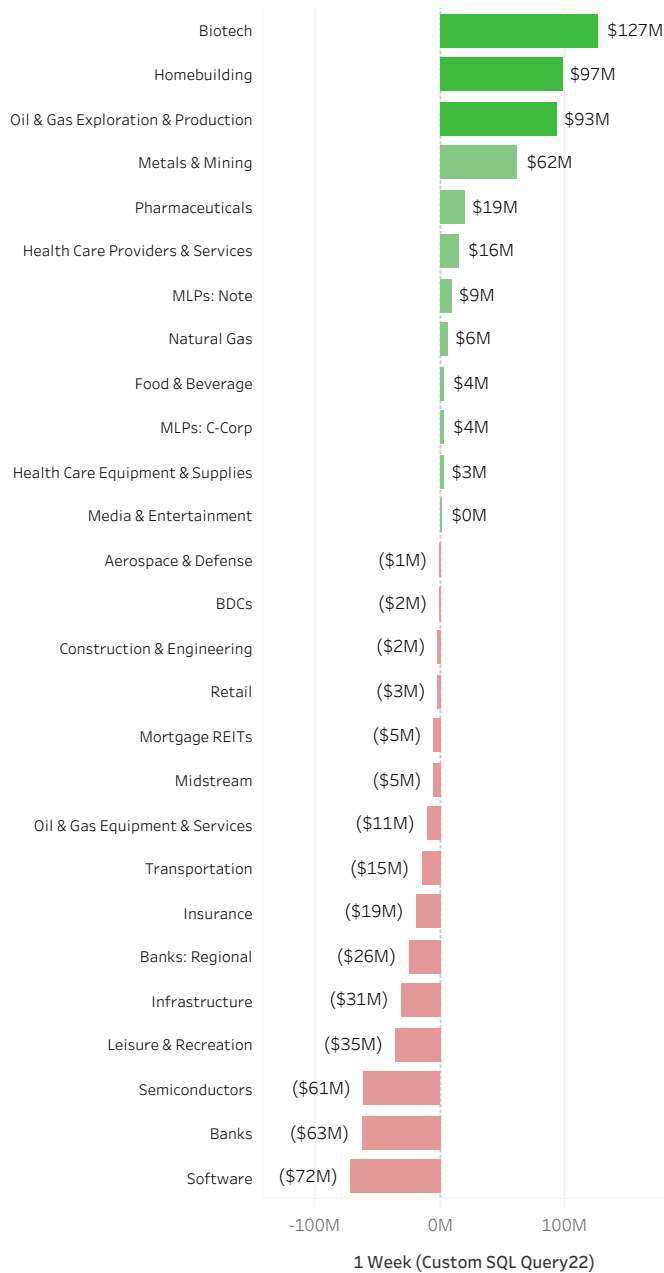
Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	-4.88%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-4.57%
PXI	Invesco DWA Energy Momentum ETF	-3.28%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-2.85%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-2.82%
FTXN	First Trust Nasdaq Oil & Gas ETF	-2.54%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-2.11%
FCG	First Trust Natural Gas ETF	-2.05%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-2.00%
VDE	Vanguard Energy ETF	-1.81%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	39.14
XES	SPDR S&P Oil & Gas Equipment & Services ETF	39.55
RYU	Invesco S&P 500 Equal Weight Utilities ETF	40.43
XLU	Utilities Select Sector SPDR Fund	42.89
VPU	Vanguard Utilities ETF	43.44
FUTY	Fidelity MSCI Utilities Index ETF	43.66
IAK	iShares U.S. Insurance ETF	44.12
PSCE	Invesco S&P SmallCap Energy ETF	44.97
IDU	iShares U.S. Utilities ETF	45.14
IYK	iShares U.S. Consumer Staples ETF	45.37

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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	(\$55M)	(\$95M)	(\$518M)	(\$77M)
Consumer Discretionary	13	\$22B	\$57M	(\$3,085M)	(\$5,600M)	(\$5,038M)
Consumer Staples	12	\$27B	(\$13M)	\$1,278M	\$4,166M	\$6,148M
Energy	34	\$69B	(\$196M)	(\$4,352M)	(\$3,030M)	\$1,090M
Financials	28	\$56B	(\$65M)	(\$10,613M)	(\$17,701M)	(\$9,293M)
Health Care	26	\$91B	\$560M	\$4,181M	\$7,850M	\$13,531M
Industrial	14	\$27B	\$26M	(\$2,888M)	(\$3,244M)	(\$5,513M)
Materials	10	\$14B	(\$52M)	(\$2,713M)	(\$568M)	(\$1,589M)
Multi-Sector	19	\$15B	(\$28M)	(\$393M)	(\$4,852M)	(\$3,087M)
Real Estate	24	\$67B	(\$168M)	(\$2,866M)	(\$5,248M)	\$2,844M
Technology	24	\$121B	(\$162M)	(\$1,230M)	(\$1,141M)	\$3,975M
Utilities	10	\$25B	(\$233M)	\$2,357M	\$4,699M	\$5,624M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$306M	\$2,594M	\$5,275M	\$8,357M	\$38,662M
XBI	SPDR S&P BIOTECH ETF	\$207M	\$1,375M	\$2,654M	\$3,558M	\$8,076M
XLF	Financial Select Sector SPDR Fund	\$154M	(\$6,210M)	(\$10,413M)	(\$5,851M)	\$29,218M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$102M	(\$821M)	(\$753M)	(\$744M)	\$4,473M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$99M	(\$1,218M)	(\$2,626M)	(\$1,509M)	\$14,752M
ITB	iShares U.S. Home Construction ETF	\$88M	(\$46M)	(\$912M)	(\$443M)	\$1,388M
XLI	Industrial Select Sector SPDR Fund	\$69M	(\$1,252M)	(\$3,121M)	(\$4,905M)	\$12,451M
XME	SPDR S&P Metals & Mining ETF	\$62M	(\$723M)	(\$50M)	\$173M	\$1,959M
VHT	Vanguard Health Care ETF	\$60M	(\$130M)	\$483M	\$1,332M	\$16,160M
IYK	iShares U.S. Consumer Staples ETF	\$20M	\$315M	\$597M	\$639M	\$1,351M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	(\$235M)	\$1,813M	\$3,099M	\$3,648M	\$15,842M
XLE	Energy Select Sector SPDR Fund	(\$128M)	(\$1,563M)	(\$2,851M)	(\$679M)	\$33,762M
VDE	Vanguard Energy ETF	(\$113M)	(\$660M)	(\$920M)	(\$282M)	\$7,106M
IYR	iShares U.S. Real Estate ETF	(\$88M)	(\$384M)	(\$2,218M)	(\$670M)	\$4,181M
IBB	iShares Biotechnology ETF	(\$85M)	\$67M	(\$251M)	(\$172M)	\$8,060M
IGV	iShares Expanded Tech-Software Sector ETF	(\$71M)	\$410M	\$452M	\$1,291M	\$4,655M
SOXX	iShares Semiconductor ETF	(\$71M)	(\$372M)	(\$212M)	\$1,241M	\$7,043M
XLP	Consumer Staples Select Sector SPDR Fund	(\$62M)	(\$285M)	\$1,431M	\$2,697M	\$15,177M
XLB	Materials Select Sector SPDR Fund	(\$56M)	(\$933M)	(\$1,335M)	(\$2,072M)	\$5,877M
VFH	Vanguard Financials ETF	(\$48M)	(\$1,239M)	(\$1,473M)	(\$628M)	\$8,663M

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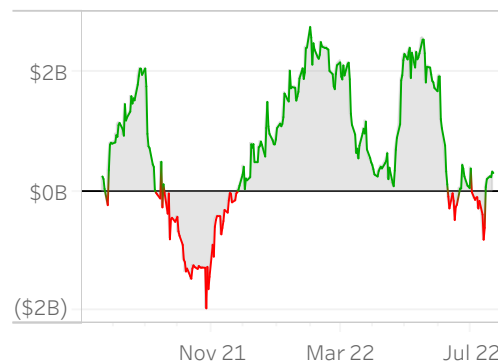
Communication Services



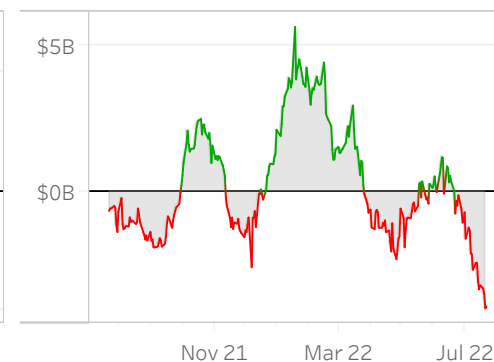
Consumer Discretionary



Consumer Staples



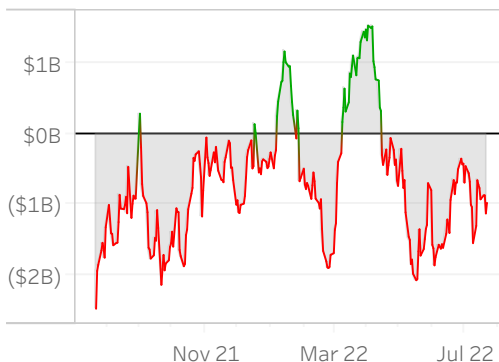
Energy



Financials



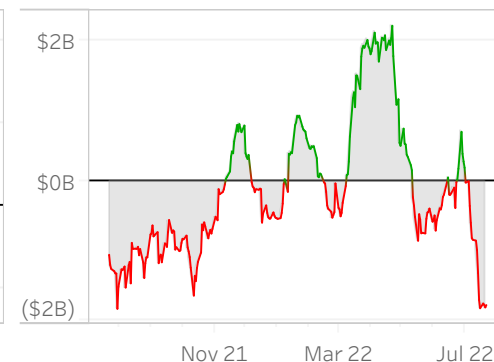
Industrial



Health Care



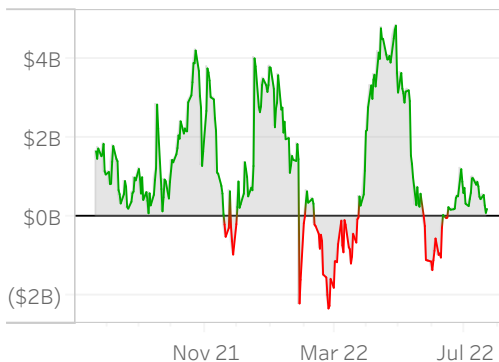
Materials



Real Estate



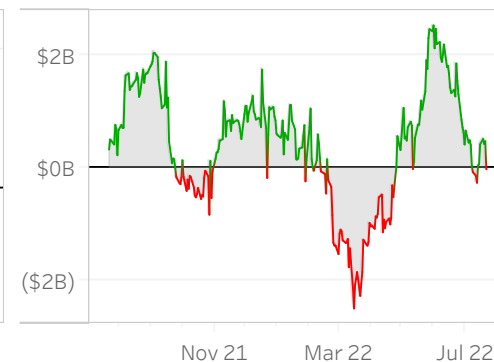
Technology



Utilities

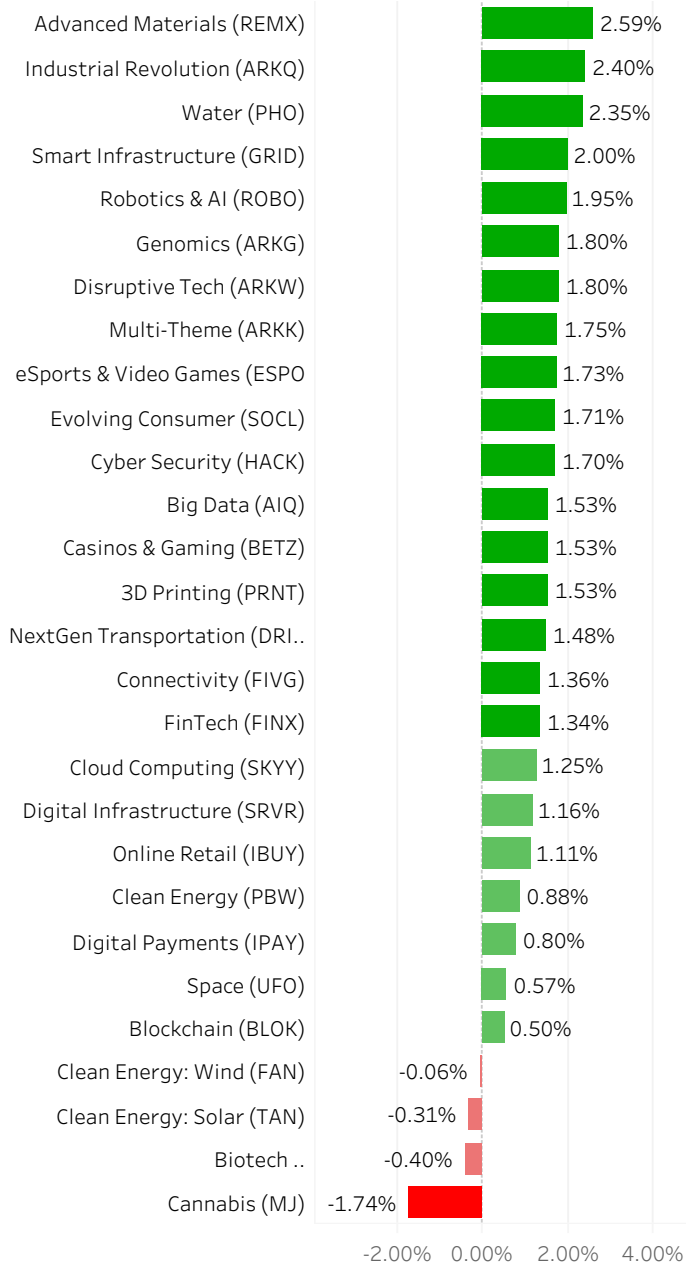


Multi-Sector

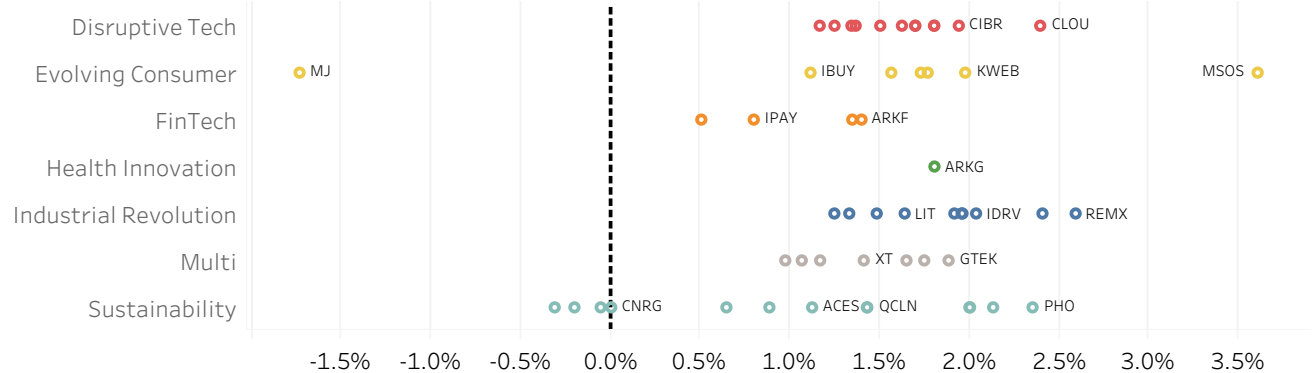


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EDOC	Global X Telemedicine & Digital Health ETF Registered	3.94%
MSOS	AdvisorShares Pure US Cannabis ETF	3.60%
HERO	Global X Video Games & Esports ETF	2.85%
GBUY	Goldman Sachs Future Consumer Equity ETF	2.62%
REMX	VanEck Rare Earth/Strategic Metals ETF	2.59%
ARKQ	ARK Autonomous Technology & Robotics ETF	2.40%
CLOU	Global X Cloud Computing ETF	2.39%
PHO	Invesco Water Resources ETF	2.35%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	2.31%
GAMR	Wedbush ETFMG Video Game Tech ETF	2.25%

Thematic Most Overbought

Ticker	Fund	Value
GNOM	Global X Genomics & Biotechnology ETF	67.13
BITQ	Bitwise Crypto Industry Innovators ETF	66.40
SNSR	Global X Internet of Things ETF	66.22
FIVG	Defiance Next Gen Connectivity ETF	65.24
EDOC	Global X Telemedicine & Digital Health ETF Registered	64.99
BLOK	Amplify Transformational Data Sharing ETF	64.78
ARKG	ARK Genomic Revolution ETF	64.58
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	64.12
BKCH	Global X Blockchain ETF	63.90
ROBO	ROBO Global Robotics & Automation Index ETF	63.79

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MJ	ETFMG Alternative Harvest ETF	-1.74%
POTX	Global X Cannabis ETF	-0.89%
YOLO	AdvisorShares Pure Cannabis ETF	-0.83%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-0.61%
SBIO	ALPS Medical Breakthroughs ETF	-0.40%
TAN	Invesco Solar ETF	-0.31%
ICLN	iShares Global Clean Energy ETF	-0.20%
AWAY	ETFMG Travel Tech ETF	-0.17%
FAN	First Trust Global Wind Energy ETF	-0.06%
CNRG	SPDR S&P Kensho Clean Power ETF	0.00%

Thematic Most Oversold

Ticker	Fund	Value
AWAY	ETFMG Travel Tech ETF	45.64
KGRN	KraneShares MSCI China Clean Technology Index ETF	46.03
FAN	First Trust Global Wind Energy ETF	48.15
RNRG	Global X Funds Global X Renewable Energy Producers ETF	48.36
KWEB	KraneShares CSI China Internet ETF	50.34
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	51.44
MJ	ETFMG Alternative Harvest ETF	51.85
KSTR	KraneShares SSE STAR Market 50 Index ETF	52.48
BATT	Amplify Lithium & Battery Technology ETF	52.87
REMX	VanEck Rare Earth/Strategic Metals ETF	53.03

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$86M
MSOS	AdvisorShares Pure US Cannabis ETF	\$44M
WCLD	WisdomTree Cloud Computing Fund	\$14M
GINN	Goldman Sachs Innovate Equity ETF	\$13M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$8M
FIVG	Defiance Next Gen Connectivity ETF	\$6M
GNOM	Global X Genomics & Biotechnology ETF	\$5M
KGRN	KraneShares MSCI China Clean Technology Index ETF	\$4M
MJ	ETFMG Alternative Harvest ETF	\$3M
CNRG	SPDR S&P Kensho Clean Power ETF	\$2M

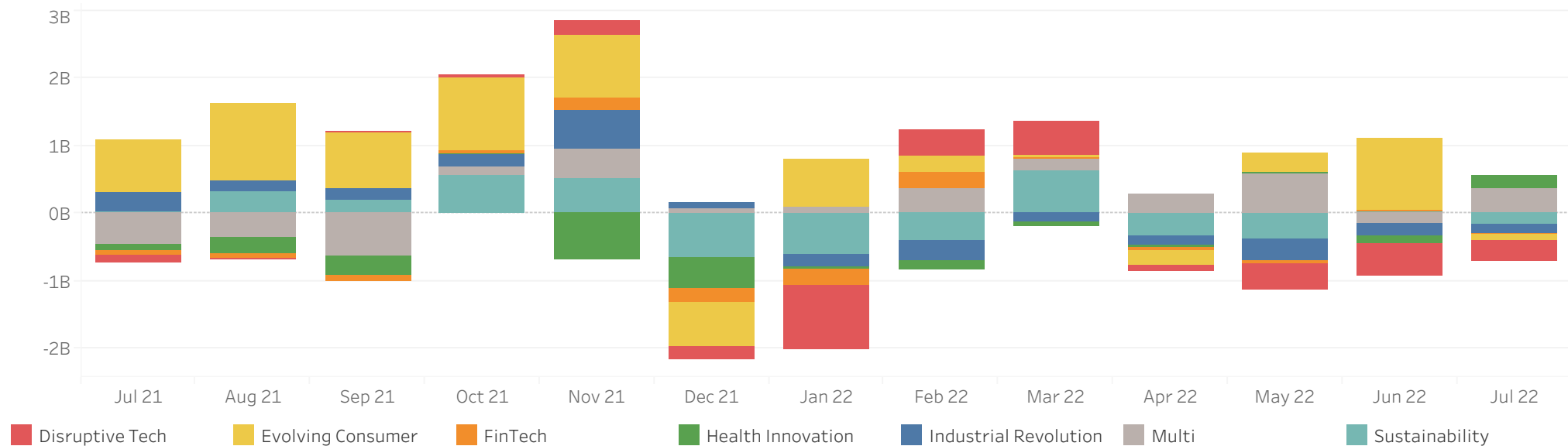
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$156M)
TAN	Invesco Solar ETF	(\$108M)
ICLN	iShares Global Clean Energy ETF	(\$18M)
IDRV	iShares Self-driving EV & Tech ETF	(\$15M)
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	(\$13M)
LIT	Global X Lithium & Battery Tech ETF	(\$11M)
TARK	AXS 2X Innovation ETF	(\$9M)
MOON	Direxion Moonshot Innovators ETF	(\$8M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$8M)
CGW	Invesco S&P Global Water Index ETF	(\$7M)

Thematic Landscape Assets & Flows

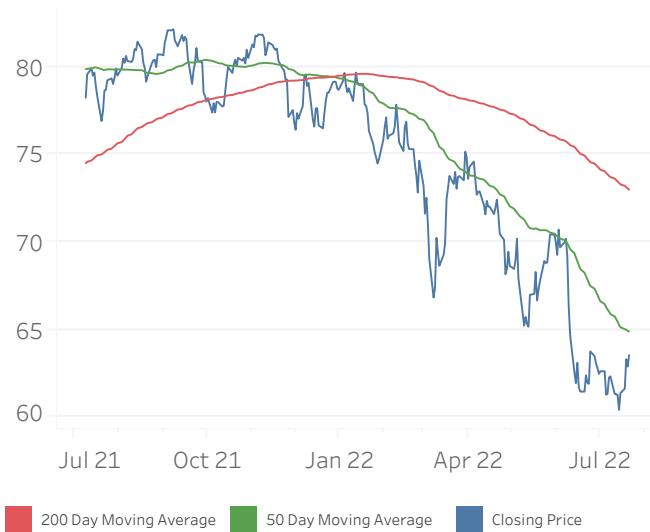
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	\$6M	(\$1,164M)	(\$578M)	(\$1,324M)
Evolving Consumer	48	\$12B	(\$130M)	\$1,014M	\$1,267M	\$6,149M
FinTech	24	\$3B	\$0M	(\$109M)	\$91M	(\$300M)
Health Innovation	19	\$4B	\$4M	\$63M	(\$121M)	(\$1,899M)
Industrial Revolution	32	\$12B	(\$30M)	(\$705M)	(\$1,365M)	\$28M
Multi	42	\$17B	\$86M	\$1,119M	\$1,913M	\$915M
Sustainability	42	\$18B	(\$120M)	(\$738M)	(\$731M)	(\$226M)
Grand Total	242	\$85B	(\$184M)	(\$520M)	\$476M	\$3,343M

Thematic Monthly Flows

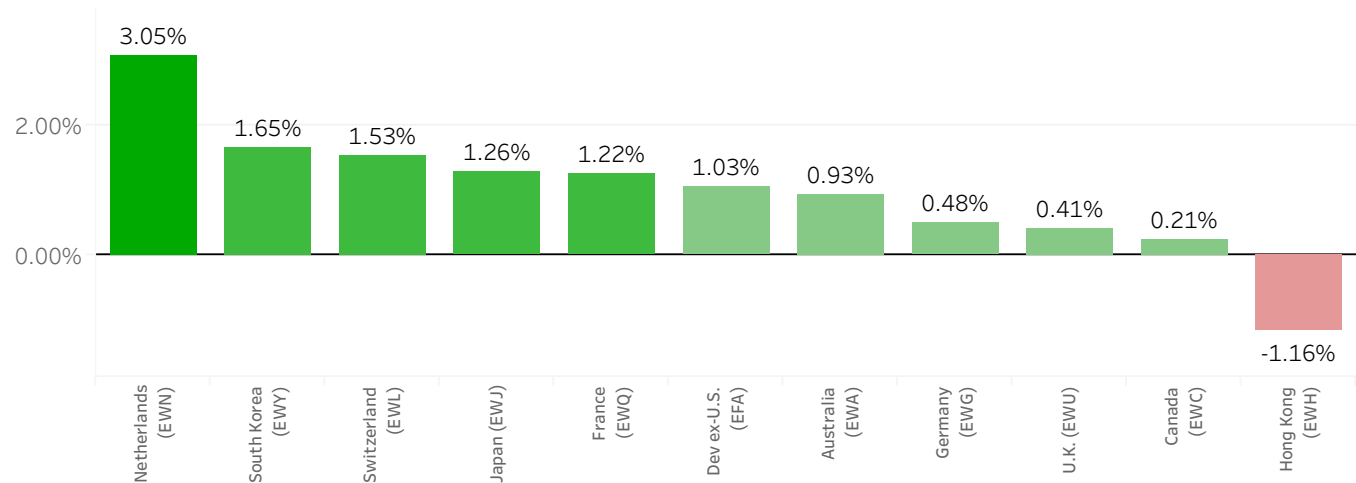


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

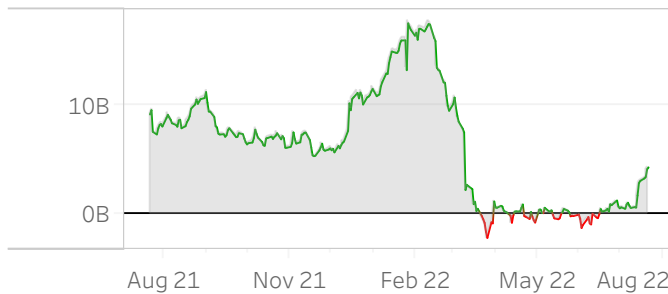
Developed ex-U.S. (EFA)



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



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



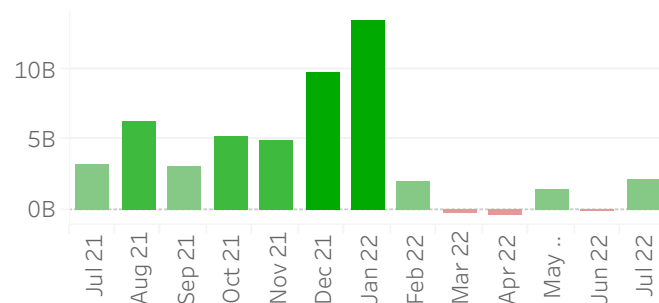
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWN	iShares MSCI Netherlands ETF	3.05%
CIL	VictoryShares International Volatility Wtd ETF	2.57%
GREK	Global X MSCI Greece ETF	2.45%
EWD	iShares MSCI Sweden ETF	2.19%
EWUS	iShares MSCI United Kingdom Small Cap ETF	2.03%
EDEN	iShares MSCI Denmark ETF	2.00%
FKU	First Trust United Kingdom AlphaDEX Fund	1.96%
IEUS	iShares MSCI Europe Small-Cap ETF	1.89%
EFG	iShares MSCI EAFE Growth ETF	1.81%
SCZ	iShares MSCI EAFE Small-Cap ETF	1.70%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	67.05
HEWJ	iShares Currency Hedged MSCI Japan ETF	64.72
EIS	iShares MSCI Israel ETF	64.07
EWN	iShares MSCI Netherlands ETF	63.24
EFG	iShares MSCI EAFE Growth ETF	62.34
ISRA	VanEck Israel ETF	62.29
ENZL	iShares MSCI New Zealand ETF	62.05
DXJ	WisdomTree Japan Hedged Equity Fund	61.98
IHDG	WisdomTree International Hedged Quality Dividend Grow..	59.89
DFJ	WisdomTree Japan SmallCap Dividend Fund	59.60

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	-1.16%
NORW	Global X MSCI Norway ETF	-0.76%
LVHI	Franklin International Low Volatility High Dividend Index ..	-0.10%
IDOG	ALPS International Sector Dividend Dogs ETF	-0.08%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-0.04%
PTIN	Pacer Trendpilot International ETF	0.00%
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	0.05%
FIDI	Fidelity International High Dividend ETF	0.11%
EWC	iShares MSCI Canada ETF	0.21%
FLCA	Franklin FTSE Canada ETF	0.22%

Developed ex-U.S. Most Oversold

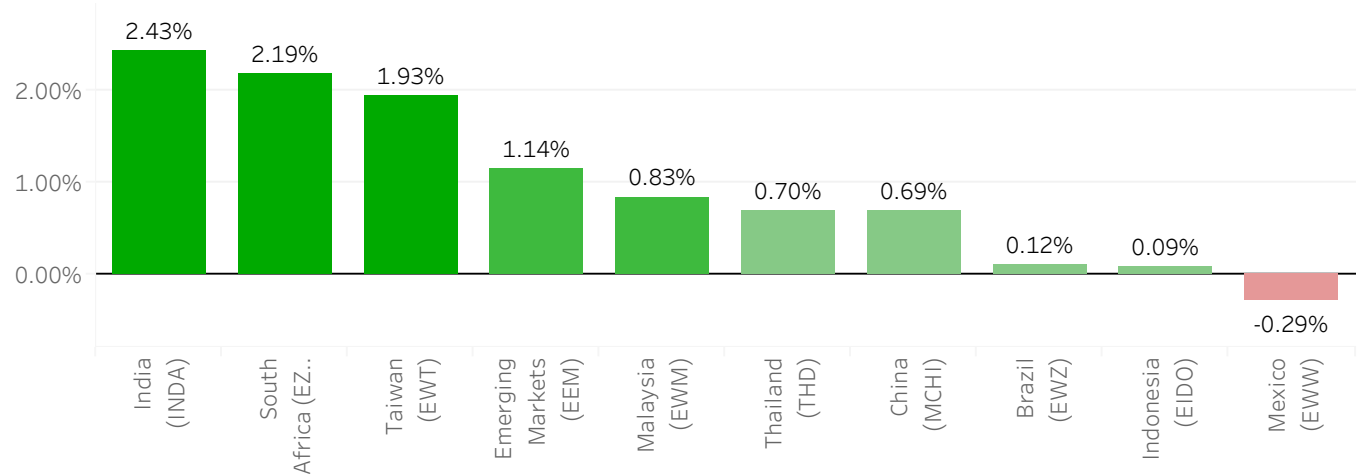
Ticker	Fund	Price
EWH	iShares MSCI Hong Kong ETF	41.76
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	41.98
DTH	WisdomTree International High Dividend Fund	42.14
FIDI	Fidelity International High Dividend ETF	42.54
EWP	iShares MSCI Spain ETF	42.61
EWI	iShares MSCI Italy ETF	42.98
IDOG	ALPS International Sector Dividend Dogs ETF	43.80
PTIN	Pacer Trendpilot International ETF	44.10
EFV	iShares MSCI EAFE Value ETF	45.73
IDV	iShares International Select Dividend ETF	45.87

*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)



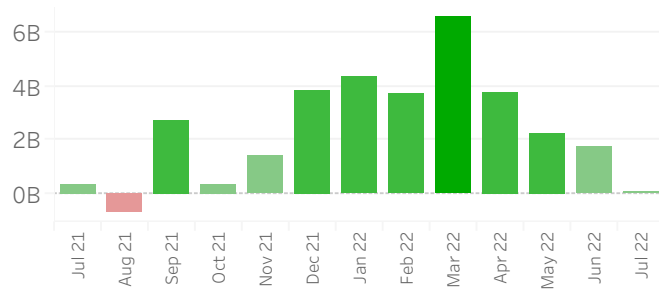
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
INDA	iShares MSCI India ETF	2.43%
EZA	iShares MSCI South Africa ETF	2.19%
FNI	First Trust Chindia ETF	2.04%
SMIN	iShares MSCI India Small Cap ETF	1.97%
INDY	iShares India 50 ETF	1.94%
EWT	iShares MSCI Taiwan ETF	1.93%
FRDM	Freedom 100 Emerging Markets ETF	1.73%
QAT	iShares MSCI Qatar ETF	1.69%
PGJ	Invesco Golden Dragon China ETF	1.64%
PIN	Invesco India ETF	1.61%

Emerging Most Overbought

Ticker	Fund	Price
PIN	Invesco India ETF	64.40
FLIN	Franklin FTSE India ETF	62.44
SMIN	iShares MSCI India Small Cap ETF	62.35
QAT	iShares MSCI Qatar ETF	61.37
INDA	iShares MSCI India ETF	61.32
INDY	iShares India 50 ETF	58.91
KSA	iShares MSCI Saudi Arabia ETF	58.00
EPI	WisdomTree India Earnings Fund	55.00
ECH	iShares MSCI Chile ETF	54.19
EMXC	iShares MSCI Emerging Markets ex China ETF	53.54

Emerging 1-Day Performance Laggards

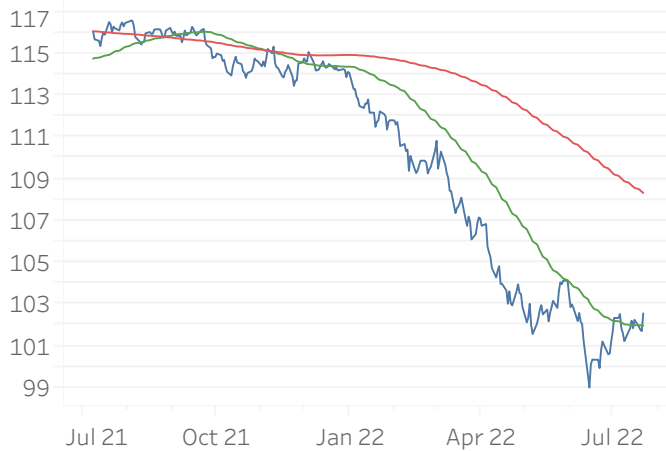
Ticker	Fund	Performance
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.83%
RAYC	Rayliant Quantamental China Equity ETF	-0.80%
CNYA	iShares MSCI China A ETF	-0.64%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.60%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-0.50%
TUR	iShares MSCI Turkey ETF	-0.37%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-0.36%
EWW	iShares MSCI Mexico ETF	-0.29%
EPOL	iShares MSCI Poland ETF	-0.07%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.06%

Emerging Most Oversold

Ticker	Fund	Price
DEM	WisdomTree Emerging Markets High Dividend Fund	34.13
FLBR	Franklin FTSE Brazil ETF	34.49
EWZ	iShares MSCI Brazil ETF	35.01
THD	iShares MSCI Thailand ETF	35.62
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	36.16
FLLA	Franklin FTSE Latin America ETF	36.86
DVYE	iShares Emerging Markets Dividend ETF	37.06
EWZS	iShares MSCI Brazil Small-Cap ETF	37.80
EPHE	iShares MSCI Philippines ETF	38.83
RAYC	Rayliant Quantamental China Equity ETF	38.88

*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	0.84%	2.81%	-9.21%
SHY	1-3 Year Treasury Bonds	0.28%	0.46%	-3.06%
IEF	7-10 Year Treasury Bonds	1.14%	3.53%	-9.77%
TLT	20+ Year Treasury Bonds	1.73%	6.03%	-20.56%
TIP	TIPS Bonds	0.62%	1.04%	-7.75%
FLOT	Floating Rate Bonds	-0.10%	0.36%	-0.84%
LQD	Investment Grade Corporate	1.37%	4.37%	-13.76%
HYG	High Yield Corporate	1.18%	4.50%	-9.41%
BKLN	Senior Loan	0.67%	1.85%	-3.13%
PFF	Preferred & Income Securities	0.36%	4.55%	-12.47%
MUB	Municipal Bonds	0.09%	2.31%	-6.71%
MBB	MBS	0.76%	3.18%	-7.69%
EMB	Dollar Denominated EM Bonds	0.56%	-0.28%	-20.17%
LEMB	Local Currency EM Bond	0.18%	-2.32%	-15.07%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.84%	-8.61%	19.79%
DBE	Energy	-2.21%	-11.51%	45.37%
USO	WTI Crude Oil	-2.77%	-10.18%	38.87%
BNO	Brent Crude Oil	-2.66%	-7.09%	48.64%
UNG	Natural Gas	0.90%	16.47%	116.33%
UGA	Gasoline	-3.89%	-15.03%	47.31%
DBP	Precious Metals	1.47%	-7.47%	-9.73%
GLD	Gold	1.41%	-6.07%	-6.25%
SLV	Silver	1.22%	-12.91%	-19.11%
PPLT	abrdn Physical Platin..	2.08%	-6.74%	-9.50%
PALL	abrdn Physical Palla..	1.22%	0.42%	-0.60%
DBB	Base Metals	0.22%	-13.68%	-17.79%
CPER	Copper	-0.70%	-18.14%	-26.68%
LD	Lead	-0.32%	-10.12%	-14.97%
JJN	Nickel	1.66%	-15.85%	5.12%
JJU	Aluminum	-1.07%	-6.88%	-13.81%
JJT	Tin	-1.33%	-16.00%	-34.85%
DBA	Agriculture	-1.75%	-9.09%	-0.76%
CORN	Corn	-2.47%	-16.22%	8.12%
SOYB	Soybeans	-2.32%	-13.16%	7.30%
WEAT	Wheat	-1.77%	-17.05%	12.58%
CANE	Sugar	-0.82%	-3.44%	-0.92%
BAL	Cotton	-1.18%	-17.70%	-0.18%
NIB	Cocoa	-1.51%	-6.95%	-14.49%
JO	Coffee	-0.34%	-7.44%	-4.67%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.28%	2.41%	11.28%
UDN	Short Dollar	0.28%	-2.38%	-10.82%
FXE	Euro	0.34%	-3.12%	-10.78%
FXB	British Pound Sterling	0.03%	-2.39%	-11.55%
FXF	Swiss Franc	0.47%	-0.12%	-6.36%
FXJ	Japanese Yen	0.56%	-0.64%	-16.48%
FXC	Canadian Dollar	0.01%	0.31%	-2.03%
FXA	Australian Dollar	0.44%	-0.72%	-5.00%

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