

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

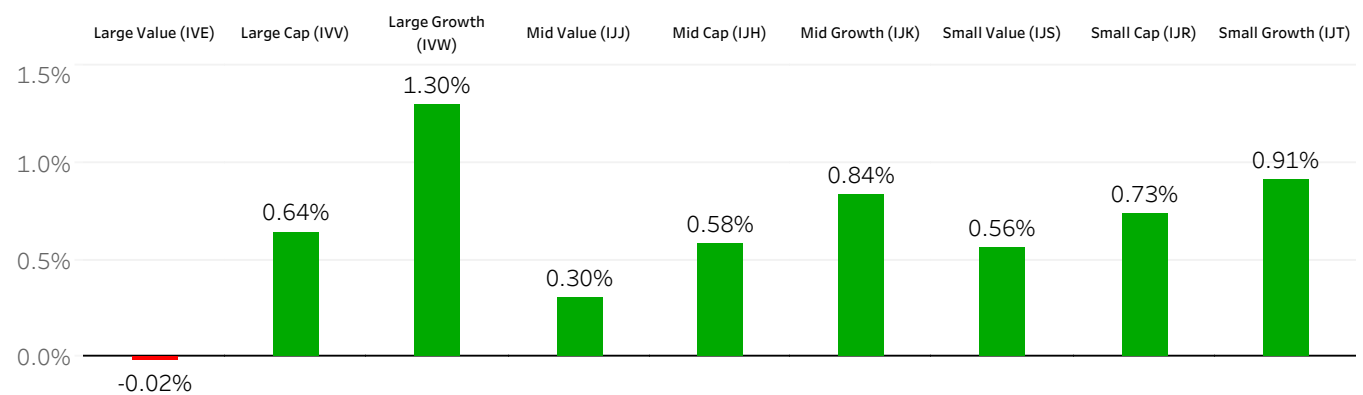


Small Cap Blend (S&P 600) IJR



■ 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
BUZZ	VanEck Social Sentiment ETF	2.72%
IPO	Renaissance IPO ETF	2.11%
SPHB	Invesco S&P 500 High Beta ETF	1.98%
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.95%
QQH	HCM Defender 100 Index ETF	1.91%
RPG	Invesco S&P 500 Pure Growth ETF	1.90%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	1.89%
IWO	iShares Russell 2000 Growth ETF	1.79%
QQQN	VictoryShares Nasdaq Next 50 ETF	1.77%
VTWG	Vanguard Russell 2000 Growth ETF	1.76%

Size & Style Most Overbought

Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	45.61
SPC	CrossingBridge Pre-Merger SPAC ETF	45.58
CALF	Pacer US Small Cap Cash Cows 100 ETF	44.99
COWZ	Pacer US Cash Cows 100 ETF	44.57
QVAL	Alpha Architect U.S. Quantitative Value ETF	44.21
PTLC	Pacer Trendpilot US Large Cap ETF	43.88
FNK	First Trust Mid Cap Value AlphaDEX Fund	42.46
XMHQ	Invesco S&P MidCap Quality ETF	42.32
SYLD	Cambria Shareholder Yield ETF	42.18
SPHB	Invesco S&P 500 High Beta ETF	42.17

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-1.46%
SPLV	Invesco S&P 500 Low Volatility ETF	-1.09%
ALTL	Pacer Lunt Large Cap Alternator ETF	-0.92%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	-0.74%
DIV	Global X SuperDividend US ETF	-0.74%
DEF	Invesco Defensive Equity ETF	-0.71%
LVHD	Legg Mason Low Volatility High Dividend ETF	-0.70%
PSET	Principal Quality ETF	-0.70%
SIXL	ETC 6 Meridian Low Beta Equity ETF	-0.69%
XMLV	Invesco S&P MidCap Low Volatility ETF	-0.69%

Size & Style Most Oversold

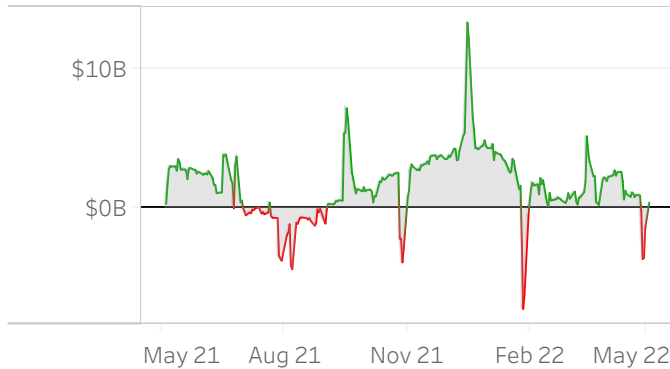
Ticker	Fund	Value
FFTY	Innovator IBD 50 ETF	25.71
ACSI	American Customer Satisfaction ETF	28.34
DIV	Global X SuperDividend US ETF	29.55
PABU	iShares Paris-Aligned Climate MSCI USA ETF	30.16
ABEQ	Absolute Core Strategy ETF	30.70
DIVZ	TrueShares Low Volatility Equity Income ETF	31.13
RBUS	Nationwide Risk-Based U.S. Equity ETF	31.39
HKND	Humankind US Stock ETF	31.55
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	31.73
MXDU	Nationwide Maximum Diversification US Core Equit..	31.81

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

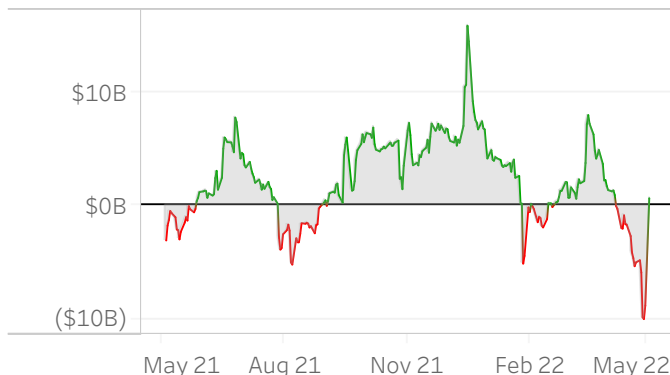
Large-Cap 30-Day Rolling Flows



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	26	\$1,261B	(\$3.51B)	\$2.88B	\$34.39B	\$107.07B
Large Cap, Beta Growth, Beta: Growth	10	\$233B	\$0.23B	\$3.04B	\$3.61B	\$13.48B
Large Cap, Beta Growth, Beta: Value	11	\$223B	\$0.17B	\$8.89B	\$16.11B	\$27.76B
Mid Cap, Beta, Beta	10	\$182B	\$0.79B	\$2.30B	\$8.01B	\$10.66B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.12B)	(\$0.34B)	(\$0.40B)	(\$0.66B)
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.07B	(\$0.58B)	\$0.12B	\$1.36B
Small Cap, Beta, Beta	12	\$198B	(\$0.96B)	(\$0.50B)	\$3.50B	\$11.57B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.04B	\$0.10B	\$0.77B	\$0.43B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.10B)	(\$3.86B)	(\$2.03B)	(\$1.57B)

U.S. Size & Style Flow Leaders

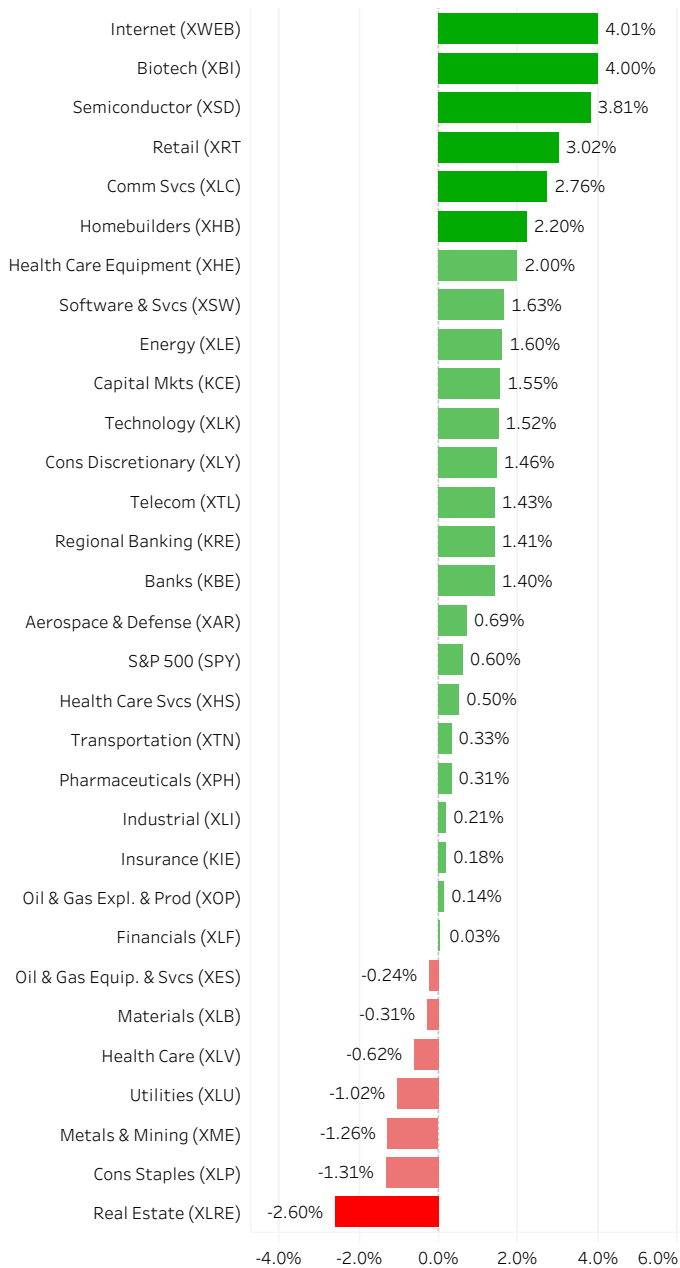
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SDY	SPDR S&P Dividend ETF	\$2.30B	\$2.93B	\$3.28B	\$3.62B	\$23.81B
QQQ	Invesco QQQ Trust	\$1.61B	\$3.84B	\$7.47B	\$22.22B	\$177.42B
FNDX	Schwab Fundamental US Large Co. Index ETF	\$1.07B	\$0.87B	\$2.77B	\$3.54B	\$10.34B
FNDA	Schwab Fundamental US Small Co. Index ETF	\$0.94B	\$1.05B	\$1.19B	\$1.47B	\$5.57B
IJH	iShares Core S&P Mid-Cap ETF	\$0.37B	\$0.45B	\$2.36B	\$2.19B	\$63.02B
SCHD	Schwab US Dividend Equity ETF	\$0.29B	\$3.23B	\$5.43B	\$10.64B	\$34.23B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.27B	(\$0.11B)	(\$0.41B)	(\$1.28B)	\$18.75B
RDIV	Invesco S&P Ultra Dividend Revenue ETF	\$0.26B	\$0.27B	\$0.29B	\$0.27B	\$1.06B
IVV	iShares Core S&P 500 ETF	\$0.25B	\$1.95B	\$8.79B	\$19.27B	\$303.77B
VYM	Vanguard High Dividend Yield Index ETF	\$0.21B	\$2.35B	\$4.44B	\$6.45B	\$45.10B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SCHX	Schwab U.S. Large-Cap ETF	(\$2.02B)	(\$1.42B)	(\$0.91B)	\$0.80B	\$29.14B
SCHA	Schwab U.S. Small-Cap ETF	(\$0.78B)	(\$0.46B)	\$0.01B	\$1.08B	\$14.15B
VTWO	Vanguard Russell 2000 ETF	(\$0.31B)	\$0.28B	\$0.71B	\$1.95B	\$6.07B
SPHB	Invesco S&P 500 High Beta ETF	(\$0.11B)	(\$0.29B)	(\$0.67B)	(\$1.03B)	\$0.72B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.11B)	\$0.28B	\$0.40B	\$1.48B	\$13.64B
MGC	Vanguard Mega Cap ETF	(\$0.10B)	\$0.02B	\$0.00B	\$0.09B	\$3.99B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.08B)	\$1.75B	\$3.89B	\$6.18B	\$33.33B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	(\$0.08B)	(\$0.07B)	(\$0.76B)	(\$0.67B)	\$2.94B
IWN	iShares Russell 2000 Value ETF	(\$0.08B)	(\$1.63B)	(\$1.81B)	(\$2.52B)	\$13.15B
SUSL	iShares ESG MSCI USA Leaders ETF	(\$0.07B)	(\$0.16B)	(\$0.41B)	(\$0.10B)	\$3.47B

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

S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLP	Consumer Staples Select Sector SPDR Fund	-4.90%	11.37%	0.61%	3.73%	43.75
XLE	Energy Select Sector SPDR Fund	-5.76%	66.74%	0.99%	24.99%	49.31
XLB	Materials Select Sector SPDR Fund	-6.45%	7.15%	-1.31%	-0.91%	41.30
XLU	Utilities Select Sector SPDR Fund	-8.35%	11.55%	-2.58%	2.34%	33.00
XLV	Health Care Select Sector SPDR Fund	-9.35%	6.72%	-3.72%	-2.86%	35.94
XLI	Industrial Select Sector SPDR Fund	-11.00%	0.21%	-4.65%	-6.88%	34.09
XLRE	Real Estate Select Sector SPDR Fund	-12.39%	8.36%	-4.38%	-4.42%	33.66
SPY	SPDR S&P 500 ETF Trust	-13.24%	0.88%	-5.11%	-7.62%	36.99
XLK	Technology Select Sector SPDR Fund	-16.66%	0.03%	-8.10%	-10.60%	28.96
XLX	Consumer Discretionary Select Sector SPDR Fund	-18.73%	7.22%	-4.81%	-9.35%	43.45
XLY	Consumer Discretionary Select Sector SPDR Fund	-21.83%	1.46%	-6.55%	-11.94%	37.34
XLC	Communication Services Select Sector SPDR Fund	-29.47%	3.25%	-8.53%	-19.93%	38.79

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	4.00%
XSD	SPDR S&P Semiconductor ETF	3.81%
SOXQ	Invesco PHLX Semiconductor ETF	3.52%
SOXX	iShares Semiconductor ETF	3.34%
PSI	Invesco Dynamic Semiconductors ETF	3.28%
XRT	SPDR S&P Retail ETF	3.02%
XLC	Communication Services Select Sector SPDR Fund	2.76%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	2.52%
PNQI	Invesco NASDAQ Internet ETF	2.50%
FDN	First Trust Dow Jones Internet Index Fund	2.42%

Sector & Industry Most Overbought

Ticker	Fund	Technical Value
PXE	Invesco Dynamic Energy Exploration & Production ETF	49.79
XLE	Energy Select Sector SPDR Fund	49.31
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	48.91
RYE	Invesco S&P 500 Equal Weight Energy ETF	48.58
IYE	iShares U.S. Energy ETF	48.45
FENY	Fidelity MSCI Energy Index ETF	48.36
VDE	Vanguard Energy ETF	48.32
XHB	SPDR S&P Homebuilders ETF	47.50
ITB	iShares U.S. Home Construction ETF	47.35
PKB	Invesco Dynamic Building & Construction ETF	47.02

Sector & Industry 1 Day Performance Laggards

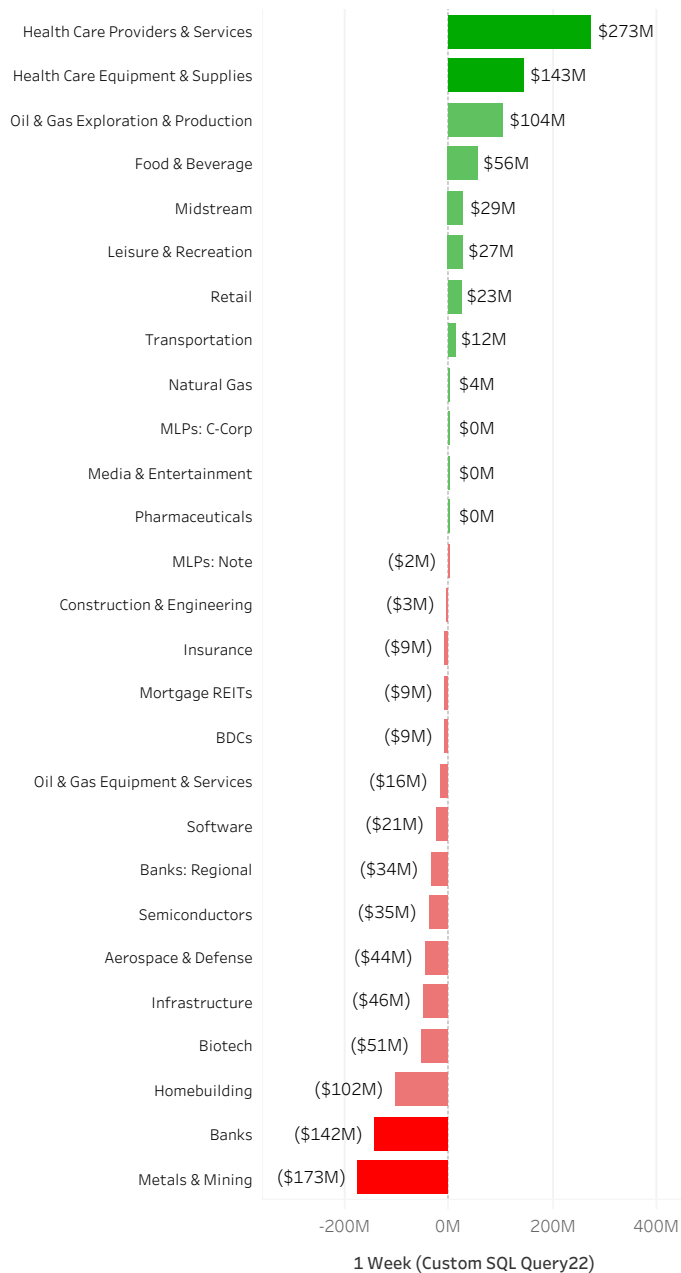
Ticker	Fund	1 Day Performance
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-3.47%
NETL	NETLease Corporate Real Estate ETF	-2.87%
NURE	Nuveen Short-Term REIT ETF	-2.72%
FRI	First Trust S&P REIT Index Fund	-2.68%
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	-2.67%
RWR	SPDR Dow Jones REIT ETF	-2.64%
USRT	iShares Core U.S. REIT ETF	-2.62%
XLRE	Real Estate Select Sector SPDR Fund	-2.60%
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	-2.55%
ICF	iShares Cohen & Steers REIT ETF	-2.51%

Sector & Industry Most Oversold

Ticker	Fund	Technical Value
IYZ	iShares U.S. Telecommunications ETF	27.91
XLF	Financial Select Sector SPDR Fund	28.96
KBWY	Invesco KBW Premium Yield Equity REIT ETF	29.05
NETL	NETLease Corporate Real Estate ETF	29.19
ITA	iShares U.S. Aerospace & Defense ETF	29.38
BIZD	VanEck BDC Income ETF	29.93
REZ	iShares Residential and Multisector Real Estate ETF	30.10
VRAI	Virtus Real Asset Income ETF	30.38
IYF	iShares U.S. Financials ETF	30.54
FNCL	Fidelity MSCI Financials Index ETF	30.96

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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	\$15B	\$128M	(\$310M)	(\$1,570M)	\$564M
Consumer Discretionary	13	\$28B	(\$471M)	(\$1,761M)	(\$3,032M)	(\$3,899M)
Consumer Staples	12	\$29B	\$566M	\$2,565M	\$6,200M	\$7,417M
Energy	34	\$79B	\$1,128M	\$1,478M	\$5,741M	\$5,833M
Financials	28	\$72B	\$121M	(\$8,223M)	(\$3,788M)	(\$628M)
Health Care	26	\$90B	\$921M	\$4,215M	\$8,693M	\$13,092M
Industrial	14	\$32B	\$24M	\$387M	(\$327M)	(\$4,755M)
Materials	10	\$20B	(\$253M)	\$2,017M	\$2,546M	\$2,444M
Multi-Sector	18	\$17B	(\$150M)	(\$3,929M)	(\$4,219M)	(\$3,106M)
Real Estate	23	\$79B	(\$57M)	(\$1,798M)	\$1,218M	\$8,627M
Technology	24	\$131B	(\$845M)	(\$435M)	(\$353M)	\$5,550M
Utilities	10	\$25B	\$118M	\$1,993M	\$3,362M	\$3,488M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$1,031M	(\$1,269M)	\$848M	\$1,344M	\$37,924M
XLF	Financial Select Sector SPDR Fund	\$683M	(\$4,745M)	(\$1,432M)	(\$1,060M)	\$39,014M
XLP	Consumer Staples Select Sector SPDR Fund	\$478M	\$1,152M	\$4,151M	\$5,249M	\$17,402M
XLV	Health Care Select Sector SPDR Fund	\$336M	\$3,018M	\$5,599M	\$9,572M	\$37,842M
IHF	iShares U.S. Healthcare Providers ETF	\$273M	\$418M	\$432M	\$482M	\$1,669M
VHT	Vanguard Health Care ETF	\$244M	\$567M	\$1,159M	\$2,139M	\$17,054M
XLU	Utilities Select Sector SPDR Fund	\$182M	\$1,184M	\$2,179M	\$1,969M	\$15,612M
IHI	iShares U.S. Medical Devices ETF	\$133M	(\$30M)	(\$51M)	(\$889M)	\$7,592M
FCOM	Fidelity MSCI Communication Services Index ETF	\$130M	\$96M	\$46M	\$210M	\$735M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$106M	\$329M	\$400M	(\$391M)	\$5,712M

U.S. Sector & Industry Flow Laggards

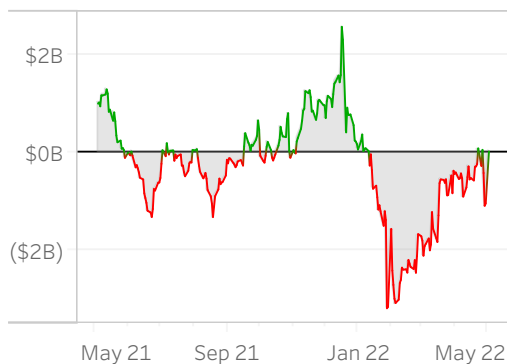
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	(\$349M)	\$415M	(\$97M)	\$2,325M	\$46,960M
VFH	Vanguard Financials ETF	(\$348M)	(\$684M)	(\$208M)	\$383M	\$10,130M
IYW	iShares U.S. Technology ETF	(\$339M)	(\$181M)	(\$245M)	\$339M	\$7,525M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$278M)	(\$677M)	(\$1,008M)	(\$1,658M)	\$18,067M
XME	SPDR S&P Metals & Mining ETF	(\$173M)	\$509M	\$710M	\$616M	\$3,258M
KBWB	Invesco KBW Bank ETF	(\$96M)	(\$620M)	(\$564M)	\$14M	\$2,339M
VPU	Vanguard Utilities ETF	(\$91M)	\$364M	\$714M	\$938M	\$6,258M
VCR	Vanguard Consumer Discretionary ETF	(\$91M)	(\$38M)	(\$331M)	\$131M	\$5,713M
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	(\$86M)	(\$196M)	(\$191M)	(\$374M)	\$1,236M
VNQ	Vanguard Real Estate ETF	(\$86M)	(\$114M)	\$1,614M	\$5,242M	\$47,661M

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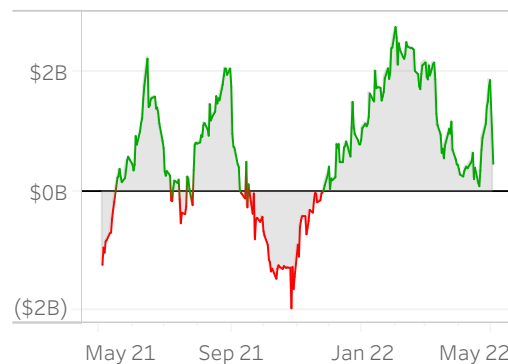
Communication Services



Consumer Discretionary



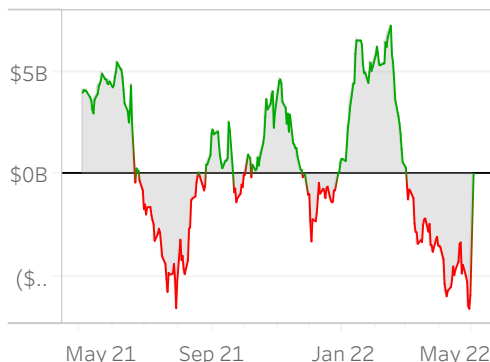
Consumer Staples



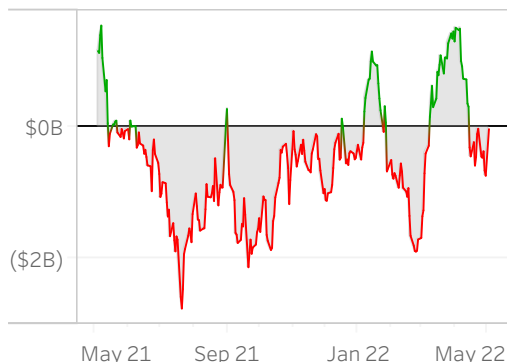
Energy



Financials



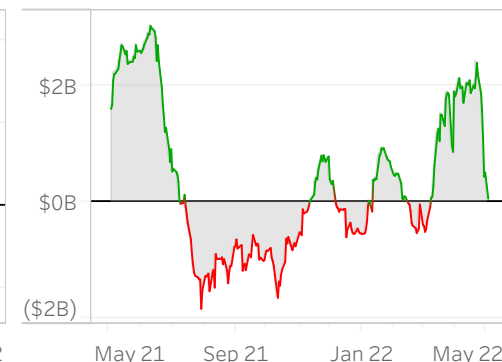
Industrial



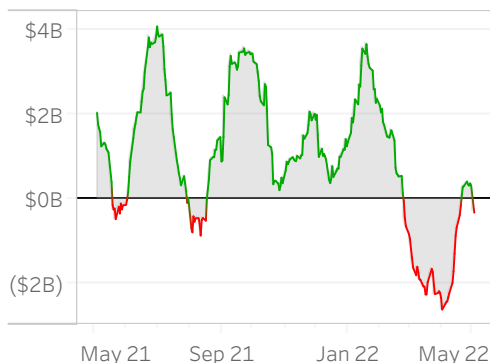
Health Care



Materials



Real Estate



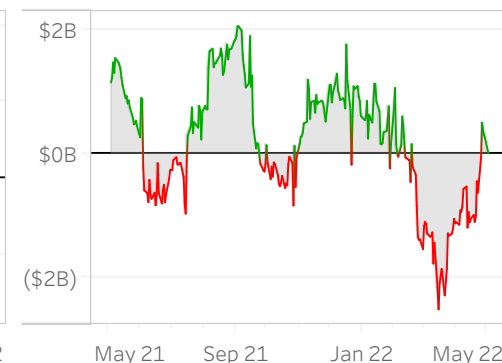
Technology



Utilities

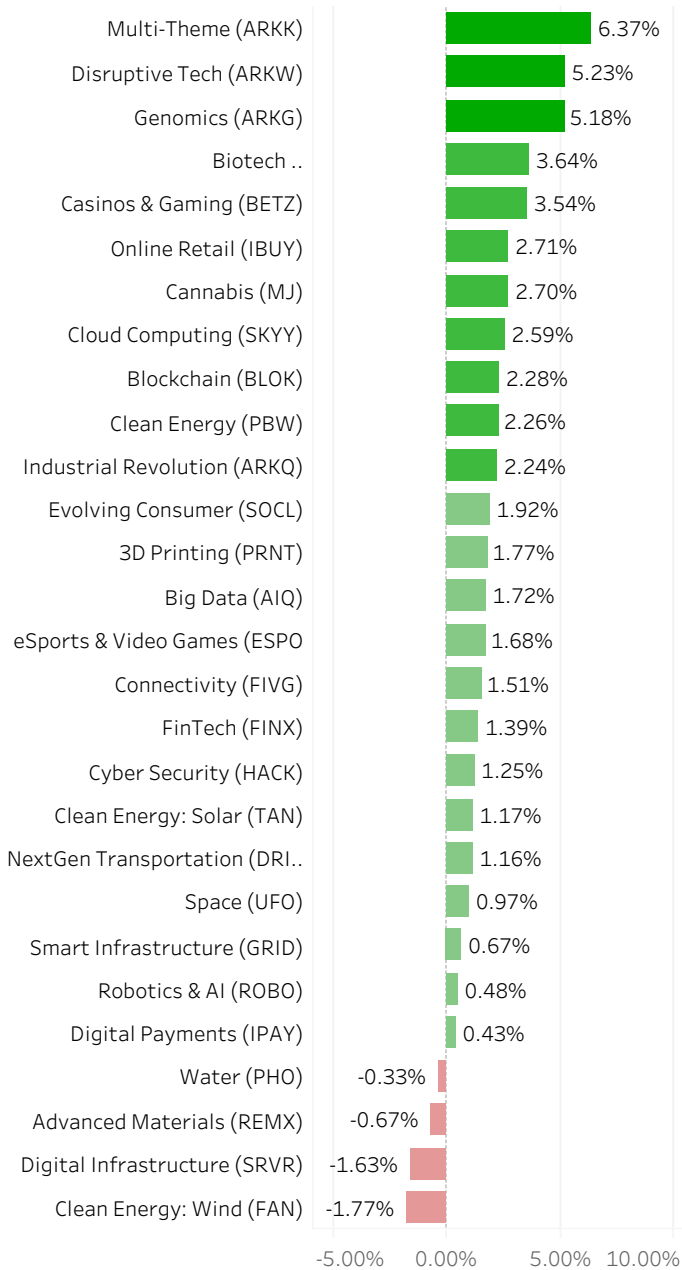


Multi-Sector

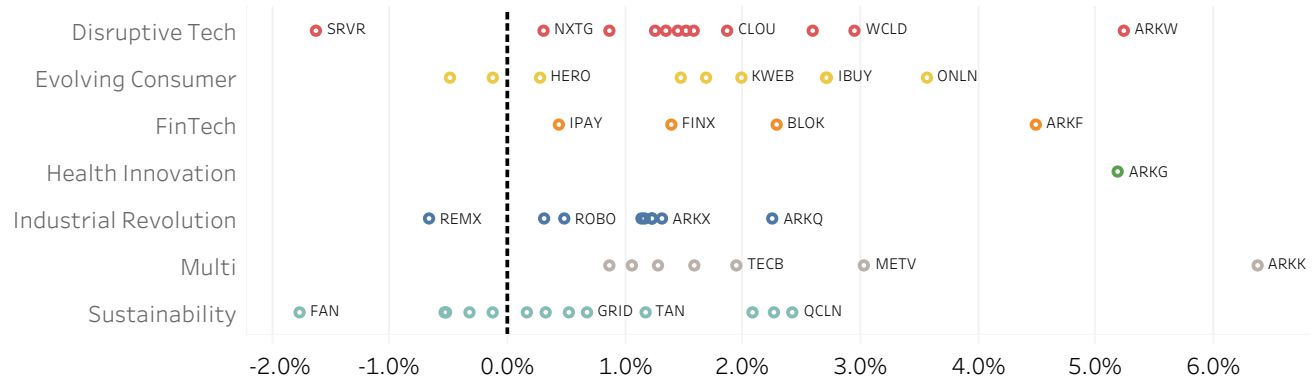


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
ARKK	ARK Innovation ETF	6.37%
ARKW	ARK Next Generation Internet ETF	5.23%
ARKG	ARK Genomic Revolution ETF	5.18%
ARKF	ARK Fintech Innovation ETF	4.48%
BKCH	Global X Blockchain ETF	4.32%
MOON	Direxion Moonshot Innovators ETF	3.83%
SBIO	ALPS Medical Breakthroughs ETF	3.64%
ONLN	ProShares Online Retail ETF	3.56%
BETZ	Roundhill Sports Betting & iGaming ETF	3.54%
DAPP	VanEck Digital Transformation ETF	3.48%

Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	53.73
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	48.88
SOCL	Global X Social Media ETF	45.04
KEMQ	KraneShares Emerging Markets Consumer Technology Ind..	43.59
AWAY	ETFMG Travel Tech ETF	42.85
BETZ	Roundhill Sports Betting & iGaming ETF	42.73
BUG	Global X Cybersecurity ETF	42.62
EBIZ	Global X E-Commerce ETF	42.36
KGRN	KraneShares MSCI China Clean Technology Index ETF	42.35
BJK	VanEck Gaming ETF	42.18

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
RNRG	Global X Funds Global X Renewable Energy Producers ..	-1.92%
FAN	First Trust Global Wind Energy ETF	-1.77%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-1.69%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	-1.63%
EVX	VanEck Environmental Services ETF	-1.24%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.67%
EBLU	Ecofin Global Water ESG Fund	-0.61%
CGW	Invesco S&P Global Water Index ETF	-0.54%
PIO	Invesco Global Water ETF	-0.53%
AWAY	ETFMG Travel Tech ETF	-0.49%

Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	21.99
CNBS	Amplify Seymour Cannabis ETF	24.88
YOLO	AdvisorShares Pure Cannabis ETF	25.20
GDOC	Goldman Sachs Future Health Care Equity ETF	26.11
GBUY	Goldman Sachs Future Consumer Equity ETF	28.62
FAN	First Trust Global Wind Energy ETF	29.45
HDRO	Defiance Next Gen H2 ETF	29.88
HERO	Global X Video Games & Esports ETF	30.56
POTX	Global X Cannabis ETF	30.77
CNRG	SPDR S&P Kensho Clean Power ETF	31.03

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$248M
WCLD	WisdomTree Cloud Computing Fund	\$12M
RAYS	Global X Solar ETF	\$6M
BUG	Global X Cybersecurity ETF	\$6M
DAPP	VanEck Digital Transformation ETF	\$5M
CLOU	Global X Cloud Computing ETF	\$5M
AIQ	Global X Artificial Intelligence & Technology ETF	\$5M
IHAK	iShares Cybersecurity & Tech ETF	\$4M
SAMT	Strategas Macro Thematic Opportunities ETF	\$4M
AWAY	ETFMG Travel Tech ETF	\$3M

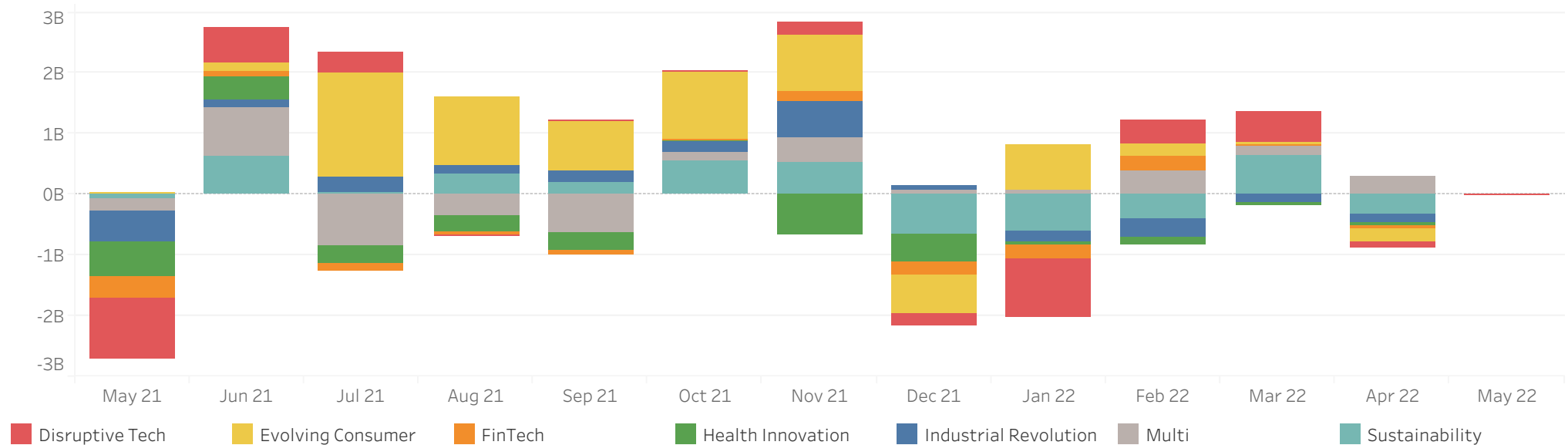
Thematic 1 Week Flow Laggards

Ticker	Fund	
TAN	Invesco Solar ETF	(\$117M)
KWEB	KraneShares CSI China Internet ETF	(\$51M)
ARKG	ARK Genomic Revolution ETF	(\$35M)
BLOK	Amplify Transformational Data Sharing ETF	(\$34M)
ICLN	iShares Global Clean Energy ETF	(\$33M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$26M)
PBW	Invesco WilderHill Clean Energy ETF	(\$23M)
SKYY	First Trust Cloud Computing ETF	(\$23M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$16M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$15M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$22B	(\$34M)	\$845M	(\$207M)	(\$167M)
Evolving Consumer	46	\$11B	(\$85M)	\$36M	\$1,020M	\$5,990M
FinTech	22	\$4B	(\$5M)	\$150M	(\$85M)	(\$546M)
Health Innovation	19	\$4B	(\$28M)	(\$231M)	(\$1,467M)	(\$2,393M)
Industrial Revolution	29	\$13B	(\$39M)	(\$403M)	\$29M	\$258M
Multi	38	\$16B	\$203M	\$1,075M	\$1,294M	\$311M
Sustainability	40	\$18B	(\$126M)	(\$55M)	(\$1,148M)	\$832M
Grand Total	229	\$88B	(\$114M)	\$1,417M	(\$563M)	\$4,285M

Thematic Monthly Flows

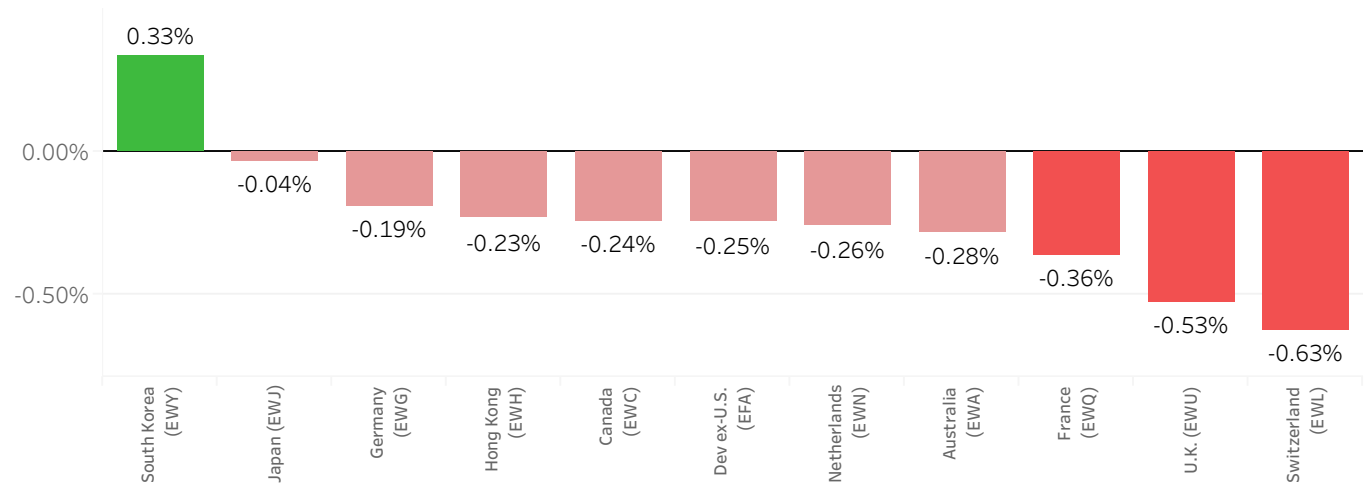


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

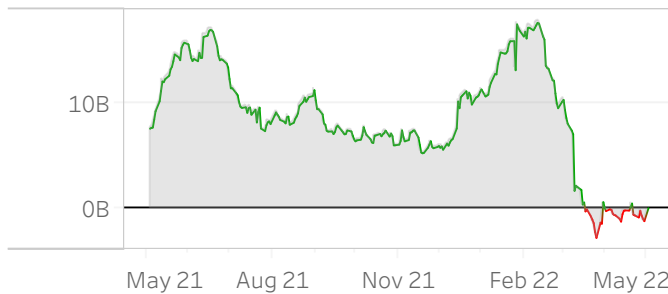
Developed ex-U.S. (EFA)



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



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



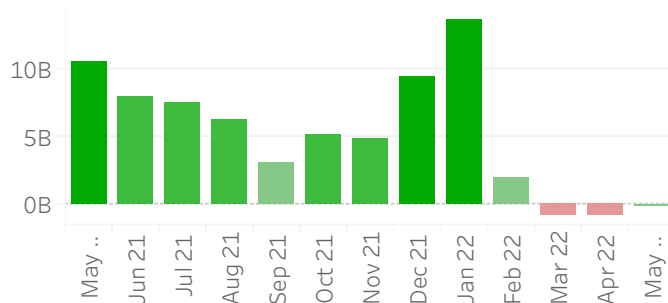
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	1.09%
DXJ	WisdomTree Japan Hedged Equity Fund	0.84%
DMXF	iShares ESG Advanced MSCI EAFE ETF	0.76%
IVAL	Alpha Architect International Quantitative Value ETF	0.64%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.50%
TOK	iShares MSCI Kokusai ETF	0.43%
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	0.38%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.36%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.34%
EWY	iShares MSCI South Korea ETF	0.33%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	53.14
HEWJ	iShares Currency Hedged MSCI Japan ETF	51.00
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	50.53
LVHI	Legg Mason International Low Volatility High Dividend ETF	48.47
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	47.28
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	46.55
HEFA	iShares Currency Hedged MSCI EAFE ETF	46.21
HEDJ	WisdomTree Europe Hedged Equity Fund	45.97
HEZU	iShares Currency Hedged MSCI Eurozone ETF	45.29
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	45.26

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	-6.66%
FKU	First Trust United Kingdom AlphaDEX Fund	-5.00%
EIS	iShares MSCI Israel ETF	-2.60%
WPS	iShares International Developed Property ETF	-1.25%
EWD	iShares MSCI Sweden ETF	-1.25%
ISRA	VanEck Israel ETF	-1.23%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	-1.07%
PBDM	Invesco PureBeta FTSE Developed ex-North America ETF	-0.86%
NORW	Global X MSCI Norway ETF	-0.85%
SCHC	Schwab International Small-Cap Equity ETF	-0.82%

Developed ex-U.S. Most Oversold

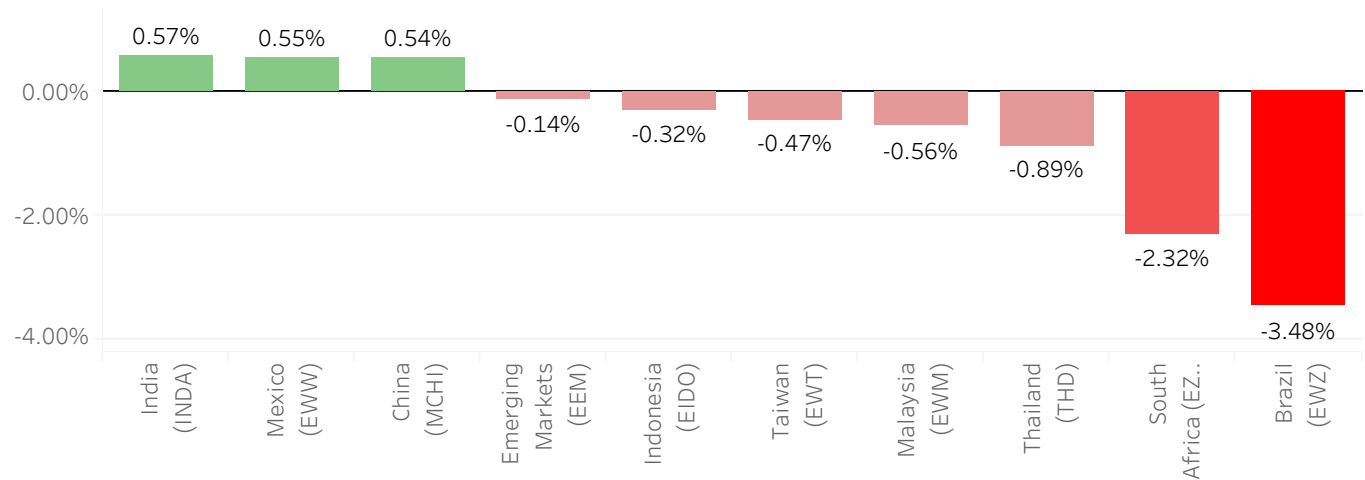
Ticker	Fund	Value
FSZ	First Trust Switzerland AlphaDEX Fund	25.31
WPS	iShares International Developed Property ETF	25.33
NORW	Global X MSCI Norway ETF	27.49
ENZL	iShares MSCI New Zealand ETF	27.58
FKU	First Trust United Kingdom AlphaDEX Fund	27.79
PTIN	Pacer Trendpilot International ETF	29.30
EWUS	iShares MSCI United Kingdom Small Cap ETF	29.80
EFAD	ProShares MSCI EAFE Dividend Growers ETF	30.43
EFV	iShares MSCI EAFE Min Vol Factor ETF	31.25
QLVD	FlexShares Developed Markets ex-US Quality Low V..	31.36

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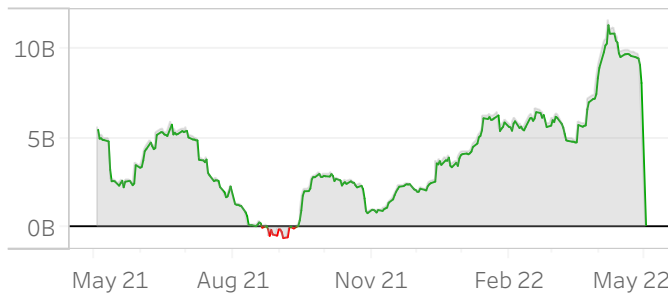
Emerging (EEM)



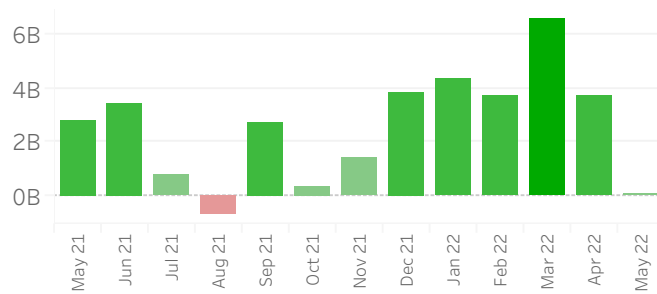
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	2.29%
FNI	First Trust Chindia ETF	1.43%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	0.89%
INDY	iShares India 50 ETF	0.80%
EPI	WisdomTree India Earnings Fund	0.76%
FLIN	Franklin FTSE India ETF	0.73%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	0.63%
GLIN	VanEck India Growth Leaders ETF	0.60%
INDA	iShares MSCI India ETF	0.57%
EWW	iShares MSCI Mexico ETF	0.55%

Emerging Most Overbought

Ticker	Fund	Value
KSA	iShares MSCI Saudi Arabia ETF	62.28
IDX	VanEck Indonesia Index ETF	60.39
EIDO	iShares MSCI Indonesia ETF	56.23
PGJ	Invesco Golden Dragon China ETF	51.09
TUR	iShares MSCI Turkey ETF	50.28
FXI	iShares China Large-Cap ETF	49.58
FNI	First Trust Chindia ETF	47.97
MCHI	iShares MSCI China ETF	47.93
FLCH	Franklin FTSE China ETF	47.13
GXC	SPDR S&P China ETF	46.73

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.97%
FLBR	Franklin FTSE Brazil ETF	-3.52%
EWZ	iShares MSCI Brazil ETF	-3.48%
EZA	iShares MSCI South Africa ETF	-2.32%
ILF	iShares Latin America 40 ETF	-2.11%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-1.49%
DVYE	iShares Emerging Markets Dividend ETF	-1.44%
EPU	iShares MSCI Peru ETF	-1.28%
FRDM	Freedom 100 Emerging Markets ETF	-1.25%
ECH	iShares MSCI Chile ETF	-1.18%

Emerging Most Oversold

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	24.66
EZA	iShares MSCI South Africa ETF	25.04
FRDM	Freedom 100 Emerging Markets ETF	25.54
ILF	iShares Latin America 40 ETF	26.05
EPOL	iShares MSCI Poland ETF	27.20
EWZ	iShares MSCI Brazil ETF	27.21
FLBR	Franklin FTSE Brazil ETF	27.50
AFK	VanEck Africa Index ETF	28.05
DVYE	iShares Emerging Markets Dividend ETF	29.58
EWZS	iShares MSCI Brazil Small-Cap ETF	30.56

*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	-0.54%	-4.16%	-9.92%
SHY	1-3 Year Treasury Bonds	-0.01%	-0.30%	-3.00%
IEF	7-10 Year Treasury Bonds	-0.74%	-4.32%	-11.00%
TLT	20+ Year Treasury Bonds	-1.73%	-11.33%	-20.45%
TIP	TIPS Bonds	-1.44%	-3.06%	-6.55%
FLOT	Floating Rate Bonds	0.17%	0.07%	-0.15%
LQD	Investment Grade Corporate	-0.59%	-7.56%	-15.02%
HYG	High Yield Corporate	0.01%	-4.17%	-8.71%
BKLN	Senior Loan	-0.42%	-1.43%	-1.81%
PFF	Preferred & Income Securities	-1.52%	-7.64%	-14.35%
MUB	Municipal Bonds	-0.16%	-2.61%	-7.96%
MBB	MBS	-0.52%	-3.63%	-8.78%
EMB	Dollar Denominated EM Bonds	-0.55%	-7.52%	-16.20%
LEMB	Local Currency EM Bond	-0.71%	-5.55%	-10.96%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.21%	4.68%	34.77%
DBE	Energy	3.51%	12.26%	53.86%
USO	WTI Crude Oil	1.58%	5.68%	44.19%
BNO	Brent Crude Oil	1.57%	4.16%	48.40%
UNG	Natural Gas	4.00%	30.52%	108.17%
UGA	Gasoline	2.35%	12.19%	53.20%
DBP	Precious Metals	-1.72%	-4.51%	0.14%
GLD	Gold	-1.85%	-3.27%	1.56%
SLV	Silver	-0.81%	-8.22%	-2.98%
PPLT	abrdn Physical Platin..	0.00%	-5.39%	-3.20%
PALL	abrdn Physical Palla..	-3.42%	-2.91%	16.80%
DBB	Base Metals	-1.39%	-10.16%	5.30%
CPER	Copper	-2.08%	-9.60%	-4.81%
LD	Lead	-0.73%	-4.85%	-0.94%
JJN	Nickel	-2.32%	-10.37%	49.00%
JJU	Aluminum	-2.16%	-14.52%	4.87%
JJT	Tin	-1.89%	-11.75%	2.30%
DBA	Agriculture	-0.36%	1.15%	11.34%
CORN	Corn	-1.17%	9.50%	37.56%
SOYB	Soybeans	-1.68%	6.20%	23.52%
WEAT	Wheat	1.06%	8.67%	42.49%
CANE	Sugar	-1.15%	-0.94%	2.93%
BAL	Cotton	3.54%	14.00%	38.84%
NIB	Cocoa	1.57%	-1.74%	-0.89%
JO	Coffee	-2.26%	-5.03%	-3.87%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.51%	5.20%	8.12%
UDN	Short Dollar	-0.45%	-5.12%	-8.03%
FXE	Euro	-0.44%	-5.04%	-7.98%
FXB	British Pound Sterling	-0.73%	-4.80%	-7.73%
FXF	Swiss Franc	-0.49%	-5.48%	-7.11%
FXJ	Japanese Yen	-0.35%	-5.91%	-11.75%
FXC	Canadian Dollar	-0.29%	-2.85%	-1.96%
FXA	Australian Dollar	-0.17%	-6.02%	-3.01%

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