

ETF Playbook

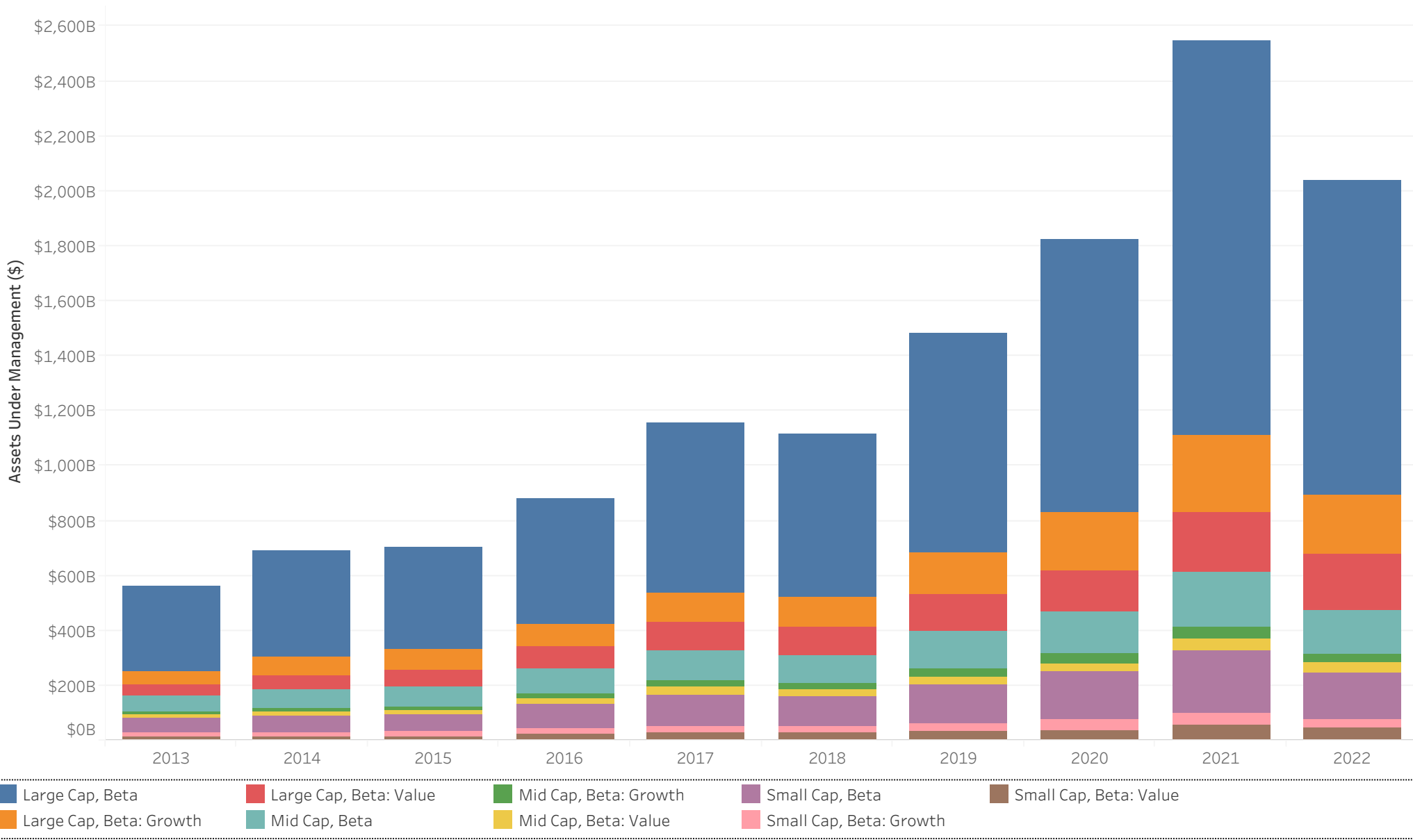
U.S. Size & Style
(Beta Strategies Only)



ETF
ACTION

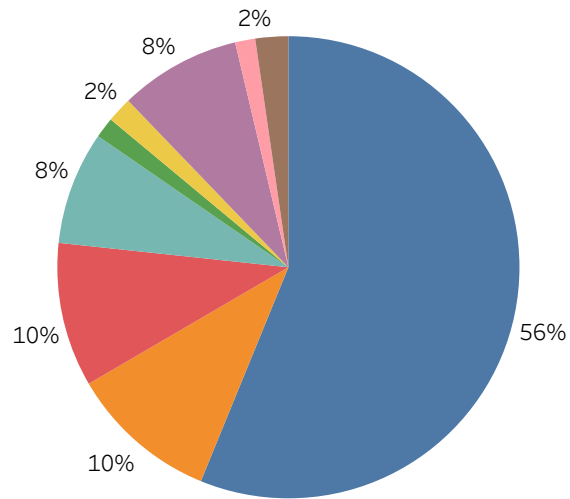
July 17, 2022

Annual AUM Growth



*Size & Style landscape data is represented by Sub-asset class Equity > Size & Style composite ETFs > U.S. market > Large, Mid, & Small Cap reach > Beta, Beta: Value, Beta: Growth strategies according to the ETF Action Classification System. Excludes inverse funds. **Flows delayed one day.

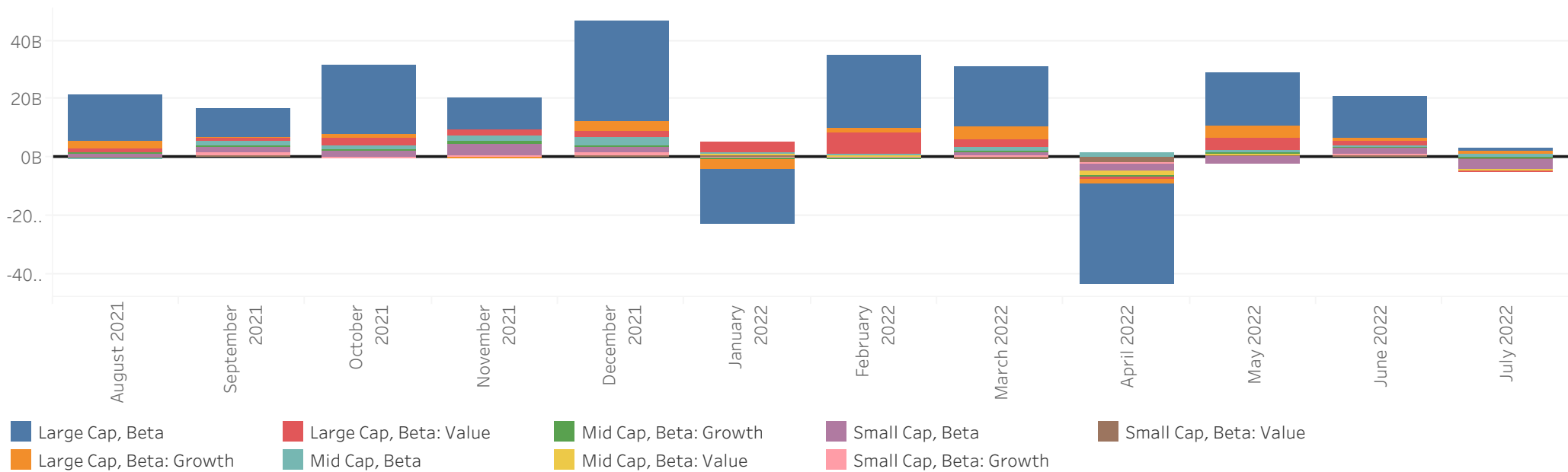
U.S. Size & Style AUM Makeup



Landscape Assets & Flows

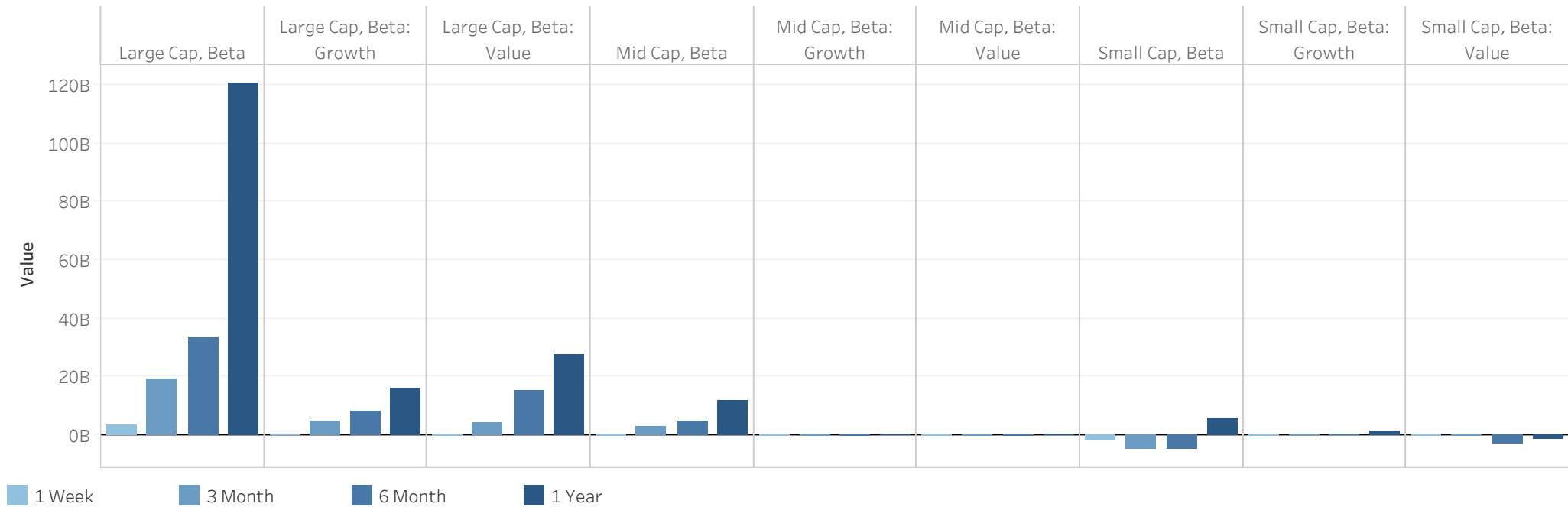
	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta	24	\$1,145,874M	\$3,478M	\$19,354M	\$33,661M	\$120,649M
Large Cap, Beta: Growth	9	\$212,191M	\$346M	\$5,104M	\$8,468M	\$16,076M
Large Cap, Beta: Value	10	\$205,782M	\$49M	\$4,518M	\$15,344M	\$27,721M
Mid Cap, Beta	10	\$161,405M	\$248M	\$3,084M	\$4,952M	\$11,850M
Mid Cap, Beta: Growth	6	\$29,246M	(\$13M)	\$220M	(\$254M)	\$539M
Mid Cap, Beta: Value	6	\$36,311M	(\$86M)	(\$216M)	(\$206M)	\$755M
Small Cap, Beta	13	\$173,020M	(\$1,766M)	(\$4,779M)	(\$4,994M)	\$6,041M
Small Cap, Beta: Growth	7	\$28,631M	(\$334M)	\$613M	\$748M	\$1,433M
Small Cap, Beta: Value	7	\$46,555M	(\$295M)	(\$13M)	(\$2,676M)	(\$1,671M)

Monthly Flows



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Flows by Time Frames Bar Chart



Weekly Flows Leaders

ETF	Asset Class	AUM	1 Week
QQQ	Invesco QQQ Trust	\$161,565M	\$2,188M
VOO	Vanguard S&P 500 ETF	\$253,645M	\$956M
VUG	Vanguard Growth ETF	\$70,865M	\$395M
IJH	iShares Core S&P Mid-Cap ETF	\$57,425M	\$183M
VIOO	Vanguard S&P Small-Cap 600 ETF	\$1,644M	\$179M
VTV	Vanguard Value ETF	\$95,694M	\$171M
IVV	iShares Core S&P 500 ETF	\$287,878M	\$116M
SPLG	SPDR Portfolio S&P 500 ETF	\$13,282M	\$114M
SCHX	Schwab U.S. Large-Cap ETF	\$27,934M	\$106M
VO	Vanguard Mid-Cap ETF	\$48,038M	\$90M

Weekly Flows Laggards

ETF	Asset Class	AUM	1 Week
SPY	SPDR S&P 500 ETF Trust	\$351,655M	(\$1,005M)
IWM	iShares Russell 2000 ETF	\$51,505M	(\$1,001M)
VB	Vanguard Small-Cap ETF	\$40,263M	(\$795M)
SCHA	Schwab U.S. Small-Cap ETF	\$13,334M	(\$386M)
VBK	Vanguard Small-Cap Growth ETF	\$12,365M	(\$270M)
IVE	iShares S&P 500 Value ETF	\$23,606M	(\$252M)
VBR	Vanguard Small Cap Value ETF	\$22,301M	(\$218M)
IVW	iShares S&P 500 Growth ETF	\$29,649M	(\$151M)
VOE	Vanguard Mid-Cap Value ETF	\$15,261M	(\$84M)
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	\$4,043M	(\$84M)

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Monthly Performance

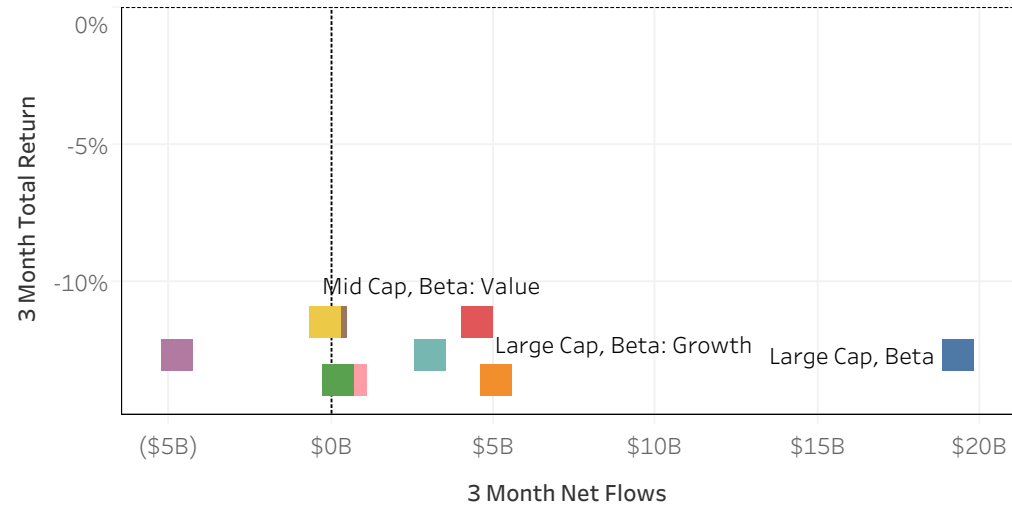
August 2021	September 2021	October 2021	November 2021	December 2021	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	MTD
3.90%	-1.77%	8.75%	0.89%	6.43%	-1.97%	1.98%	4.30%	-5.31%	2.20%	-7.57%	3.58%
3.12%	-2.77%	7.70%	-0.63%	6.12%	-3.56%	1.13%	3.48%	-6.01%	2.14%	-8.21%	2.39%
2.50%	-3.53%	7.01%	-2.52%	4.34%	-4.76%	0.49%	3.12%	-6.80%	2.06%	-8.46%	2.33%
2.37%	-3.59%	6.09%	-2.93%	4.27%	-6.34%	0.32%	2.79%	-7.54%	1.13%	-8.50%	2.17%
2.28%	-3.70%	5.18%	-2.94%	3.48%	-7.34%	0.28%	1.82%	-8.68%	0.34%	-8.76%	1.58%
2.18%	-3.93%	4.65%	-3.21%	3.41%	-8.28%	-0.17%	1.20%	-9.29%	-0.12%	-9.03%	1.45%
2.12%	-4.52%	4.60%	-3.46%	2.72%	-8.67%	-1.36%	1.00%	-9.44%	-0.66%	-9.62%	1.00%
2.07%	-4.78%	4.18%	-3.65%	2.63%	-11.43%	-2.85%	0.92%	-10.73%	-1.85%	-9.76%	0.78%
1.89%	-5.63%	3.45%	-3.95%	2.02%	-11.84%	-4.42%	0.62%	-12.73%	-2.13%	-10.10%	0.68%

- Large Cap, Beta
- Large Cap, Beta: Growth
- Large Cap, Beta: Value
- Mid Cap, Beta
- Mid Cap, Beta: Growth
- Mid Cap, Beta: Value
- Small Cap, Beta
- Small Cap, Beta: Growth
- Small Cap, Beta: Value

Performance

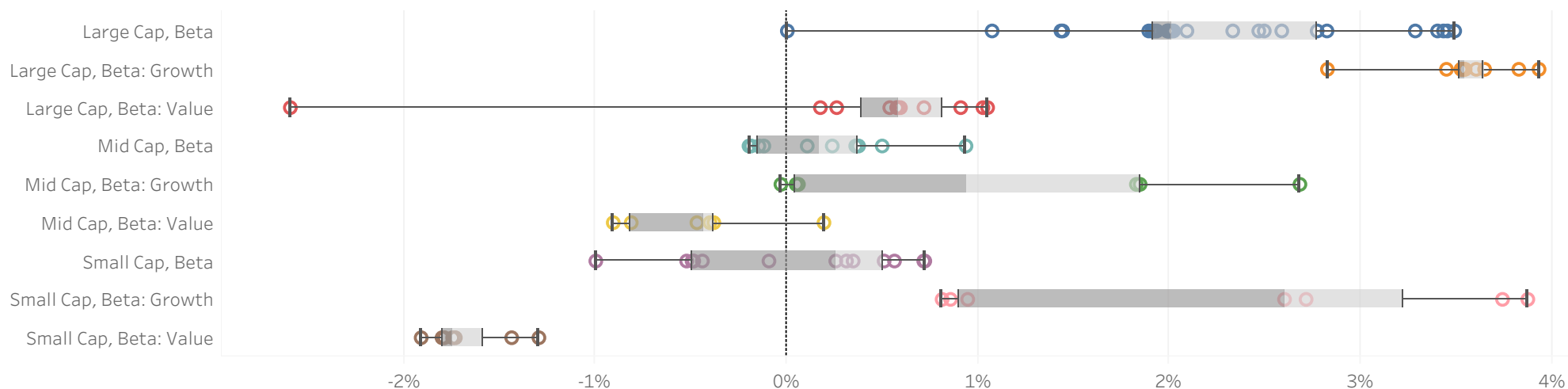
	1 Month	3 Month	YTD	1 Year
Large Cap, Beta	2.24%	-12.43%	-20.52%	-13.26%
Large Cap, Beta: Growth	3.54%	-13.55%	-26.07%	-17.88%
Large Cap, Beta: Value	0.35%	-10.74%	-11.22%	-4.50%
Mid Cap, Beta	0.19%	-13.12%	-19.54%	-13.38%
Mid Cap, Beta: Growth	1.07%	-14.40%	-26.08%	-20.48%
Mid Cap, Beta: Value	-0.46%	-11.80%	-13.18%	-5.92%
Small Cap, Beta	0.03%	-12.41%	-20.16%	-16.17%
Small Cap, Beta: Growth	2.22%	-12.74%	-25.31%	-21.76%
Small Cap, Beta: Value	-1.67%	-11.78%	-14.74%	-9.93%

3 Month Total Return vs Net Flows



*Size & Style performance calculated as averages. Landscape data is represented by Sub-asset class Equity > Size & Style composite ETFs > U.S. market > Large, Mid, & Small Cap reach > Beta, Beta: Value, Beta: Growth strategies according to the ETF Action Classification System. Excludes leverage & inverse funds. **Flows delayed one day.

One Month Performance Ranges - Box & Whisker Plot



One Month Performance

- Large Cap, Beta
- Large Cap, Beta: Value
- Mid Cap, Beta: Growth
- Small Cap, Beta
- Small Cap, Beta: Value
- Large Cap, Beta: Growth
- Mid Cap, Beta
- Mid Cap, Beta: Value
- Small Cap, Beta: Growth

One Month Performance Leaders

		1 Month Return	YTD Return
SCHG	Schwab U.S. Large-Cap Growth ETF	3.93%	-26.32%
VTWG	Vanguard Russell 2000 Growth ETF	3.87%	-27.65%
IWY	iShares Russell Top 200 Growth ETF	3.83%	-24.94%
IWO	iShares Russell 2000 Growth ETF	3.74%	-27.55%
VONG	Vanguard Russell 1000 Growth ETF	3.65%	-25.66%
IWF	iShares Russell 1000 Growth ETF	3.60%	-25.70%
IVW	iShares S&P 500 Growth ETF	3.54%	-25.04%
MGK	Vanguard Mega Cap Growth ETF	3.54%	-27.32%
VOOG	Vanguard S&P 500 Growth ETF	3.53%	-25.04%
SPYG	SPDR Portfolio S&P 500 Growth ETF	3.52%	-25.01%

One Month Performance Laggards

		1 Mo	YTD
AVLV	Avantis U.S. Large Cap Value ETF	-2.59%	-13.15%
VTWV	Vanguard Russell 2000 Value ETF	-1.91%	-16.12%
VIOV	Vanguard S&P Small-Cap 600 Value ETF	-1.80%	-14.20%
IWN	iShares Russell 2000 Value ETF	-1.79%	-16.13%
SLYV	SPDR S&P 600 Small Cap Value ETF	-1.75%	-14.09%
IJS	iShares S&P Small-Cap 600 Value ETF	-1.73%	-14.28%
ISCV	iShares Morningstar Small Cap Value ETF	-1.44%	-13.65%
VBR	Vanguard Small Cap Value ETF	-1.30%	-14.72%
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	-1.00%	
IWS	iShares Russell Mid-Cap Value ETF	-0.91%	-15.47%

*Sector landscape data is represented by Sub-asset class Equity > Sector composite ETFs > U.S. market according to the ETF Action Classification System. Excludes leverage & inverse funds.

Large Cap Blend (S&P 500) IVV



Large Cap Growth (S&P 500) IVW



Large Cap Value (S&P 500) IVE



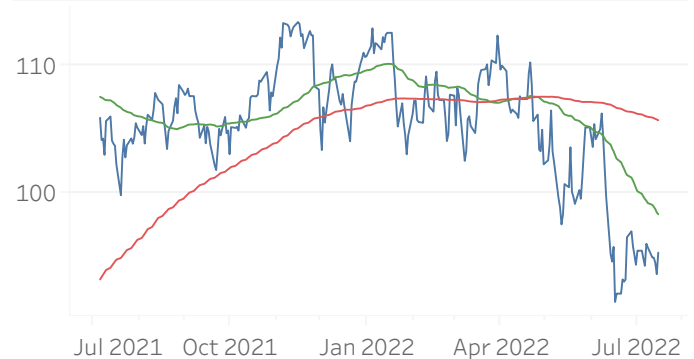
Mid Cap Blend (S&P 400) IJH



Mid Cap Growth (S&P 400) IJK



Mid Cap Value (S&P 400) IJJ



Small Cap Blend (S&P 600) IJR



Small Cap Growth (S&P 600) IJT



Small Cap Value (S&P 600) IJS



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

*Sector ETFs chosen for illustrative purposes only. Sector price charts represented by the Select Sector SPDR ETFs.

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