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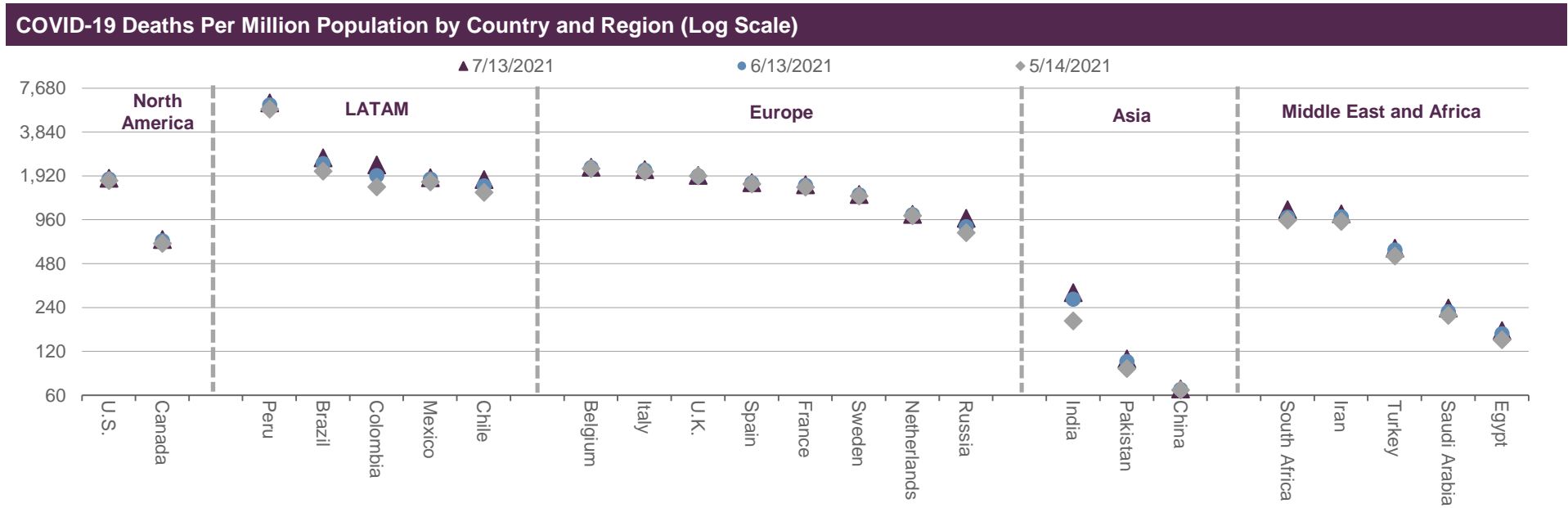
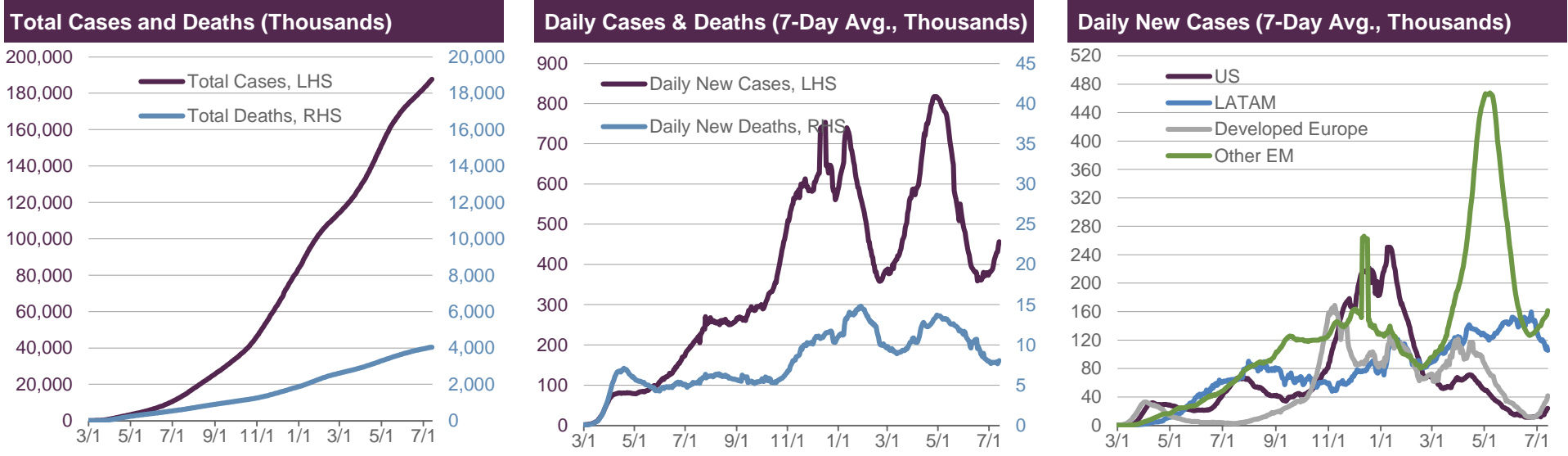
Guggenheim Partners

Global COVID-19 and Vaccine Monitor

July 14, 2021

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COVID-19 Globally



Source: Guggenheim Investments, Bloomberg, Ourworldindata.com. Data as of 7/13/2021.

Key COVID-19 Statistics

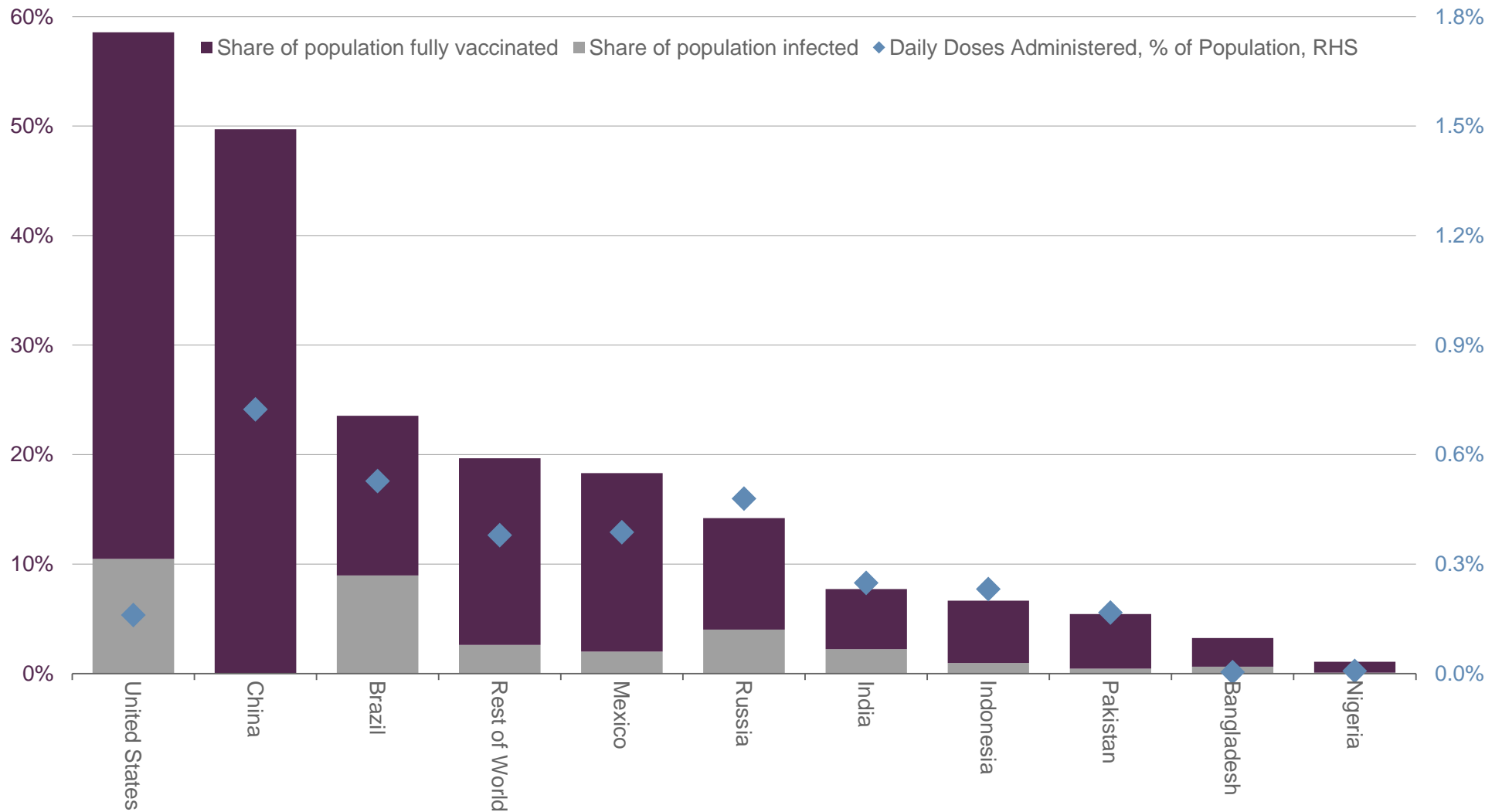
Reported COVID-19 Cases: Mortality Rates and Other Statistics

Country	Total Cases	New Cases	Total Deaths	New Deaths	Cases Per 1M Pop.	Share of Total Cases		Share of Closed Cases		Tests Per 1M Pop.	Positive Rate (=Cases/Tests)
						Active (%)	Closed (%)	Recovered (%)	Deceased (%)		
USA	34,807,813	28,923	623,435	307	104,527	14%	86%	98%	2%	1,543,045	7%
India	30,944,949	40,215	411,439	623	22,199	1%	99%	99%	1%	311,381	7%
Brazil	19,152,065	45,094	535,924	1,613	89,447	4%	96%	97%	3%	253,155	35%
Russia	5,833,175	24,702	144,492	780	39,954	8%	92%	97%	3%	1,070,555	4%
France	5,820,849	6,950	111,407	54	88,973	1%	99%	98%	2%	1,485,720	6%
Turkey	5,493,244	6,285	50,324	46	64,419	2%	98%	99%	1%	747,083	9%
UK	5,191,459	36,660	128,481	50	76,061	13%	87%	97%	3%	3,322,548	2%
Argentina	4,682,960	20,023	99,640	385	102,645	6%	94%	98%	2%	390,262	26%
Colombia	4,548,142	17,532	113,839	504	88,414	3%	97%	97%	3%	411,275	21%
Italy	4,273,693	1,534	127,808	20	70,792	1%	99%	97%	3%	1,222,052	6%
Spain	4,015,084	43,960	81,033	13	85,841	7%	93%	98%	2%	1,158,433	7%
Germany	3,745,287	1,020	91,799	25	44,555	0%	100%	98%	2%	776,198	6%
Iran	3,417,029	22,750	86,207	166	40,153	8%	92%	97%	3%	289,911	14%
Poland	2,880,960	97	75,173	13	76,208	5%	95%	97%	3%	473,945	16%
Indonesia	2,615,529	47,899	68,219	864	9,459	16%	84%	97%	3%	80,047	12%
Mexico	2,593,574	3,074	235,058	89	19,900	12%	88%	90%	10%	59,462	33%
Ukraine	2,241,698	481	52,640	36	51,578	0%	100%	98%	2%	254,557	20%
South Africa	2,219,316	12,535	65,142	633	36,940	9%	91%	97%	3%	232,851	16%
Peru	2,083,567	2,010	194,606	118	62,300	N/A	N/A	N/A	N/A	441351	14%
Netherlands	1,744,700	7,821	17,769	3	101,590	4%	96%	99%	1%	874,001	12%
Czechia	1,669,756	243	30,335	0	155,623	0%	100%	98%	2%	2,886,897	5%
Chile	1,590,887	1,264	34,016	36	82,493	1%	99%	98%	2%	919,109	9%
Philippines	1,481,651	3,595	26,092	77	13,338	3%	97%	98%	2%	140146	10%
Iraq	1,447,557	9,046	17,630	38	35,178	8%	92%	99%	1%	298,852	12%
Canada	1,421,447	339	26,450	12	37,325	0%	100%	98%	2%	986,384	4%
Total	188,581,599	510,702	4,065,346	8,120	N/A	7%	93%	97.7%	2.3%	N/A	N/A

Source: Guggenheim Investments, Worldometers.info. Data as of 7/13/2021.

Progress Toward Herd Immunity

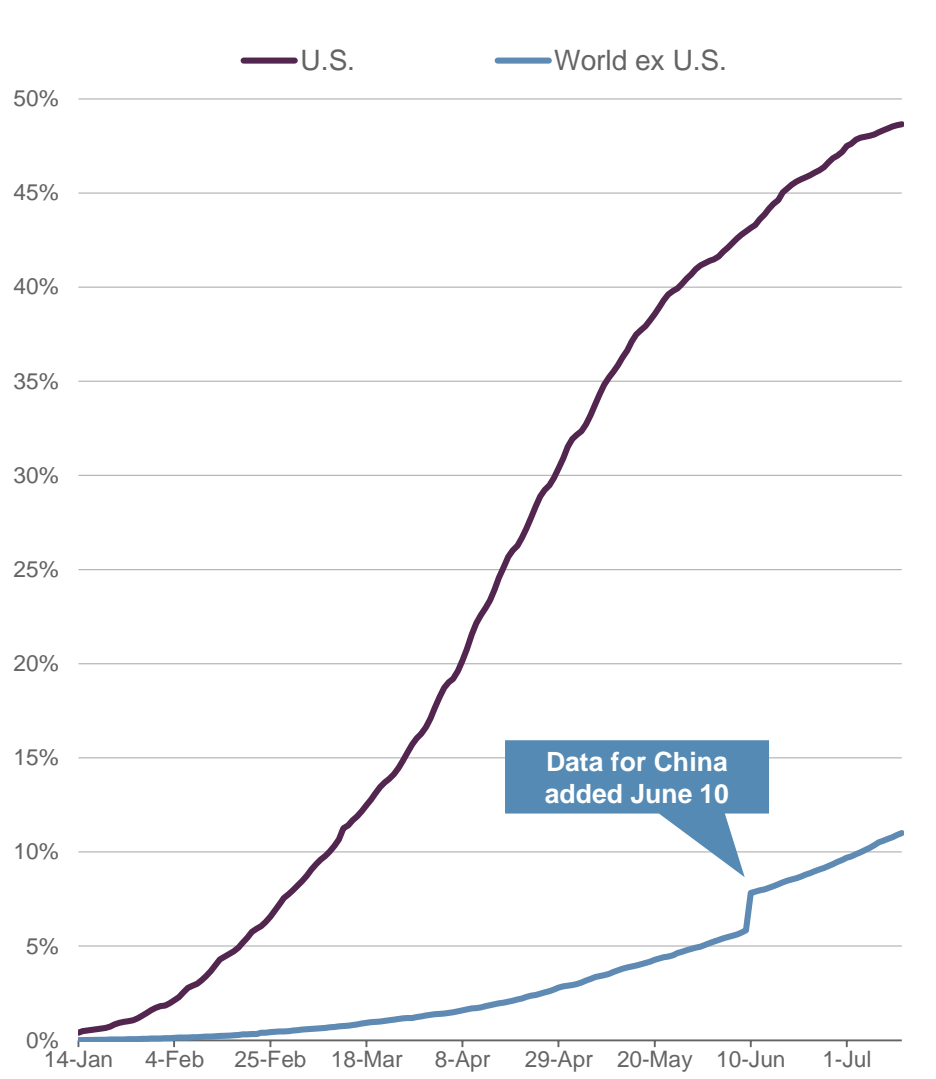
Progress Toward Herd Immunity in the 10 Most Populous Countries



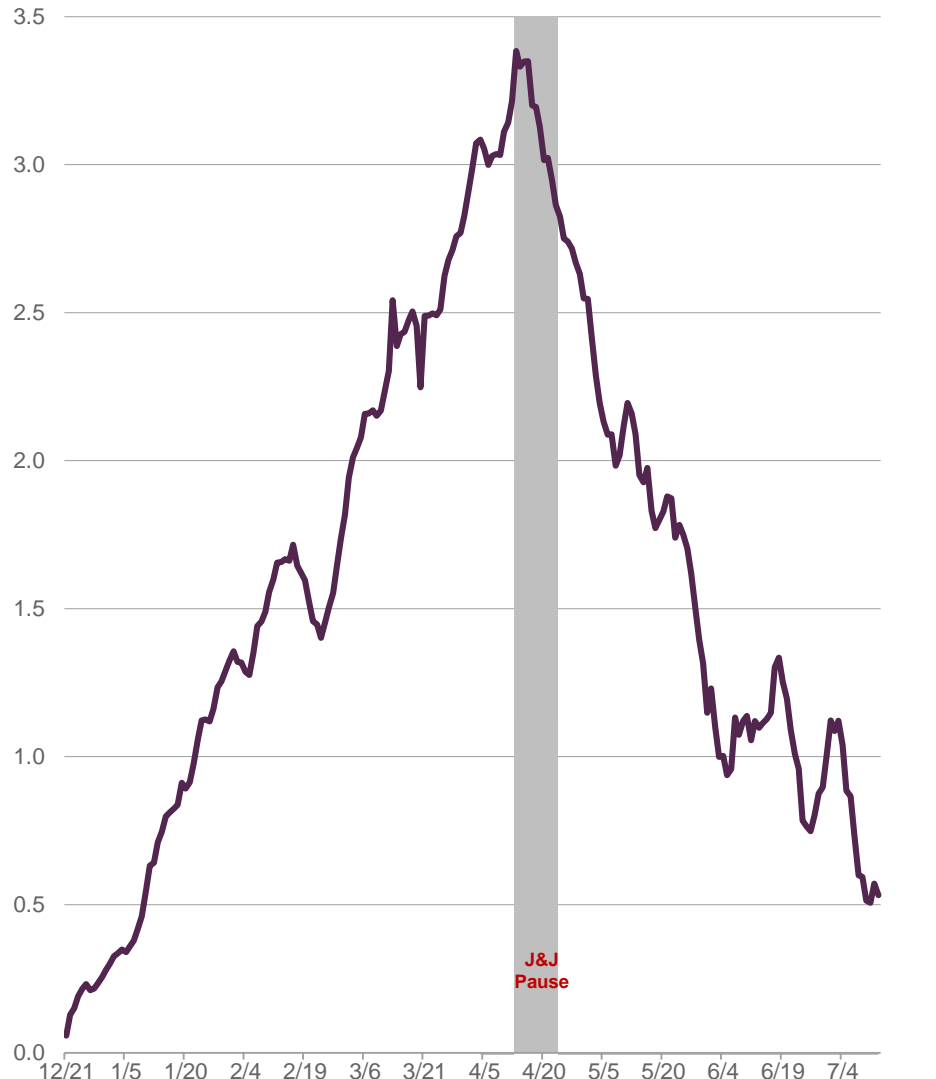
Source: Guggenheim Investments, Bloomberg, ourworldindata.org. Data as of 7/13/2021.

U.S. Vaccination Statistics

Share of Population Fully Vaccinated

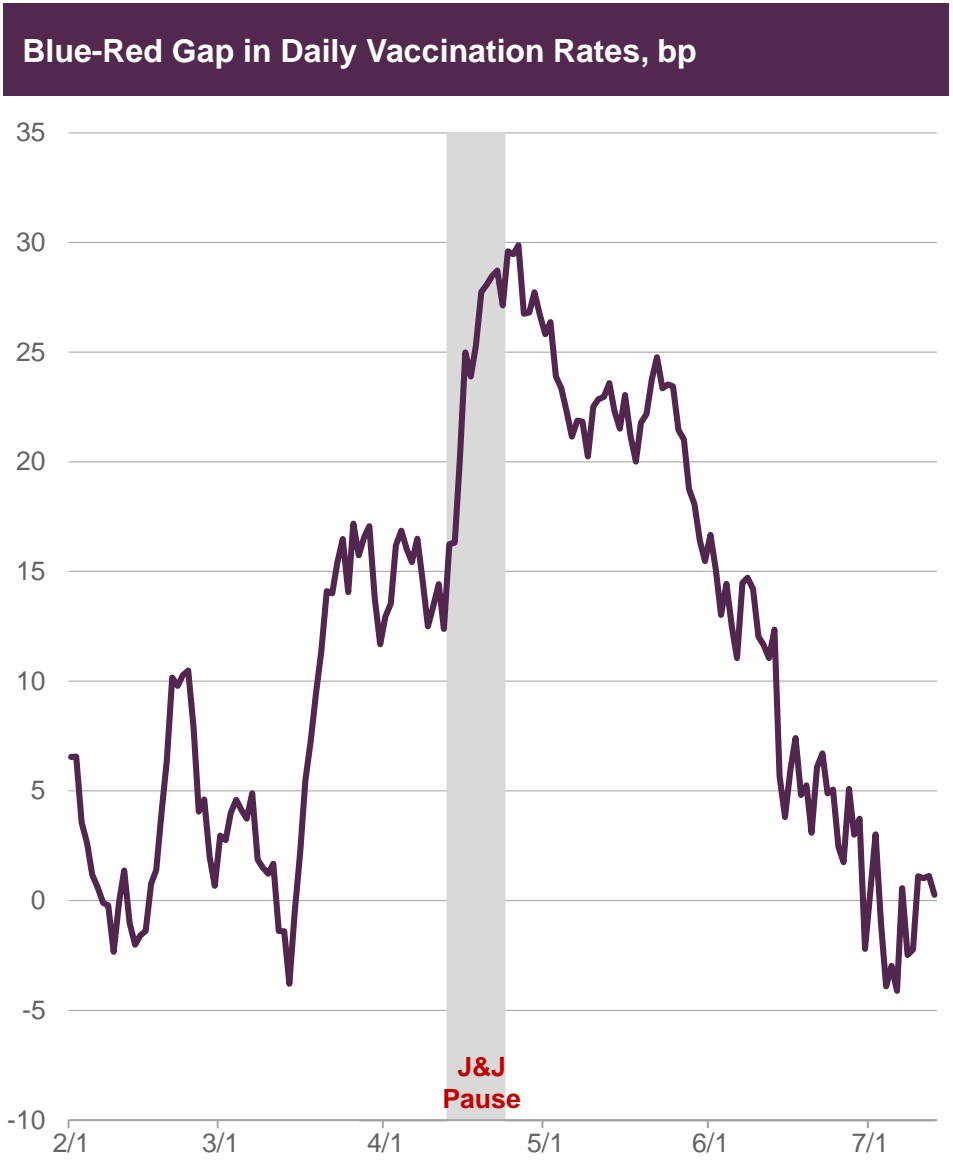
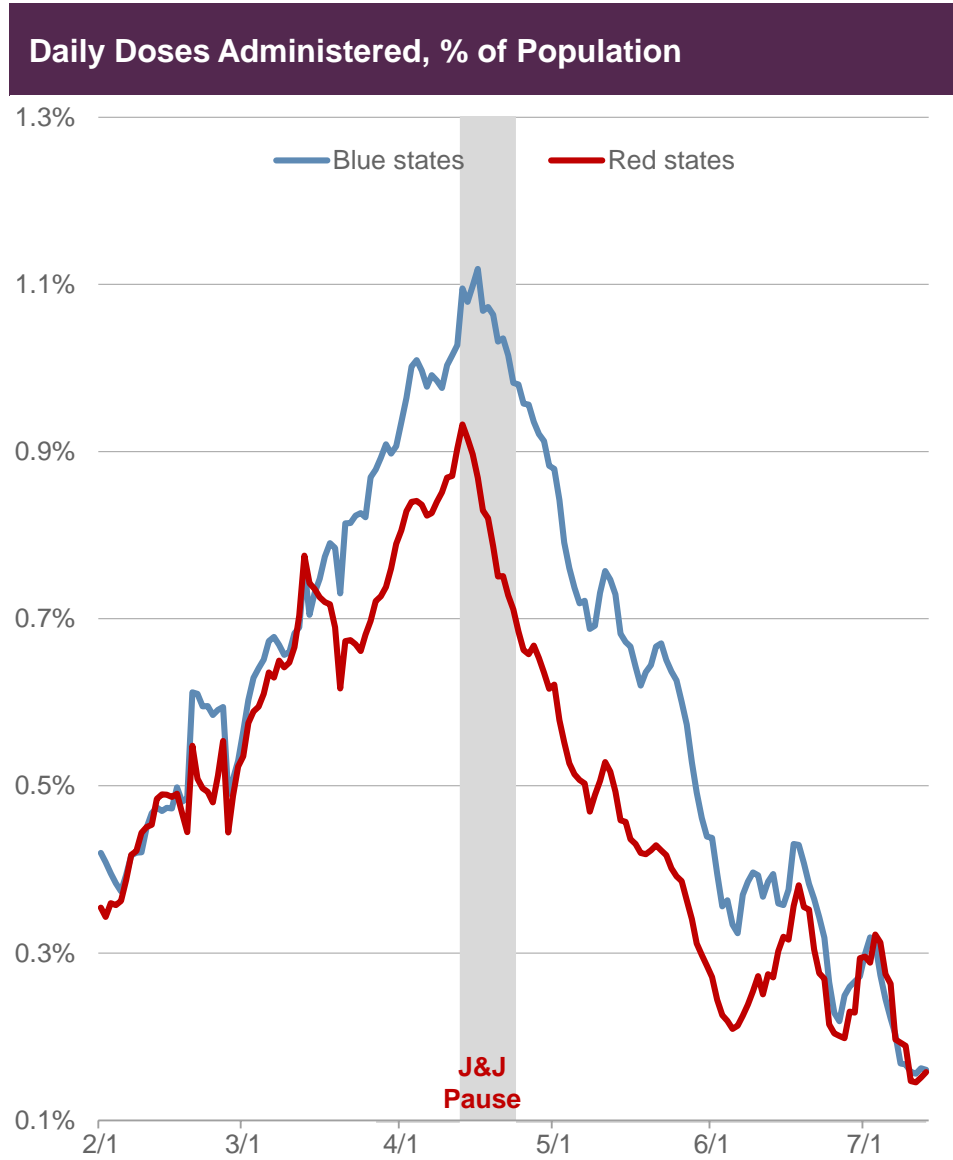


Daily Doses Administered in the U.S. (7-Day Avg., Millions)



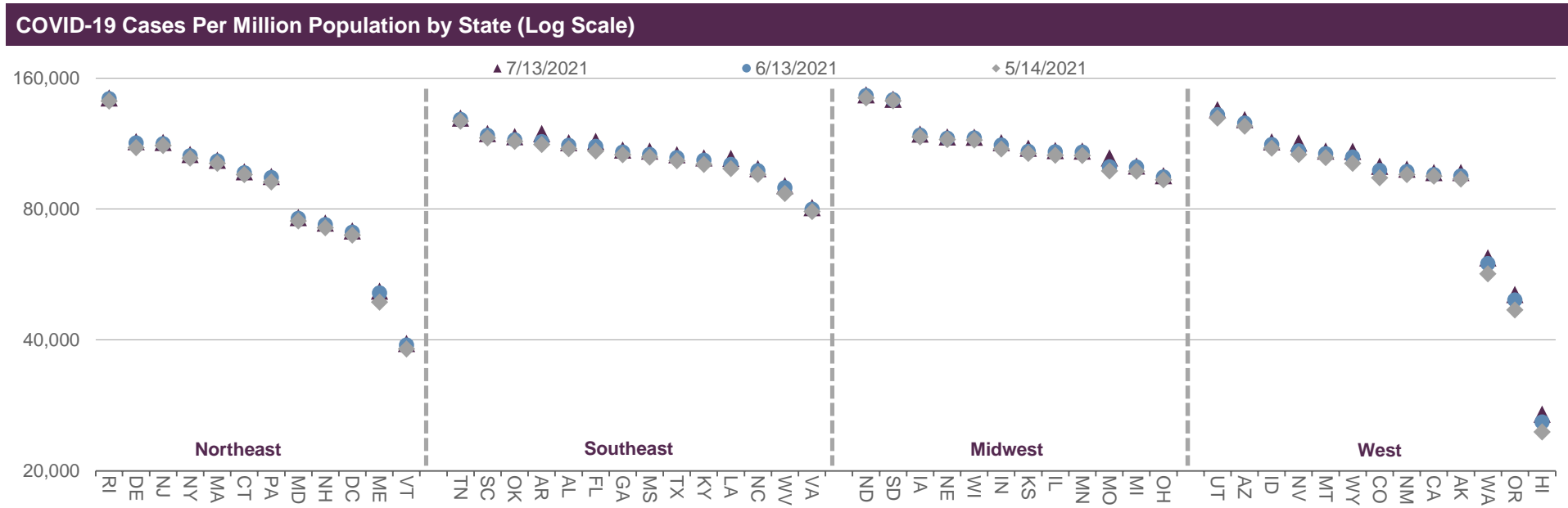
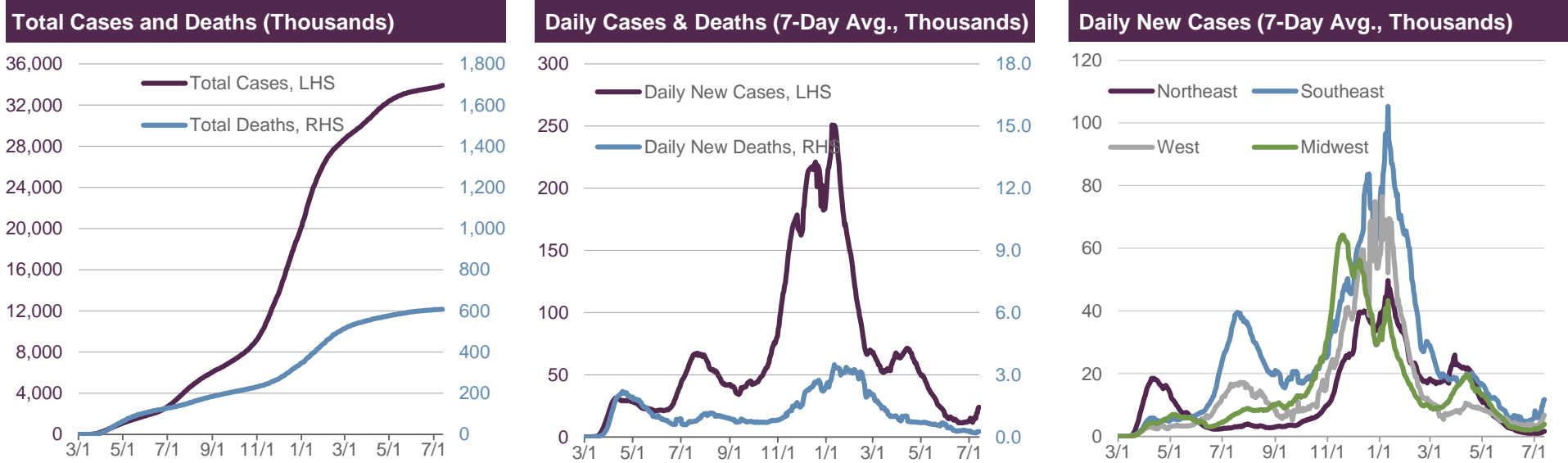
Source: Guggenheim Investments, Bloomberg, ourworldindata.org. Data as of 7/13/2021.

U.S. Daily Vaccination Rates in Blue and Red States



Source: Guggenheim Investments, Ourworldindata.com, Bloomberg. Data as of 7/13/2021.

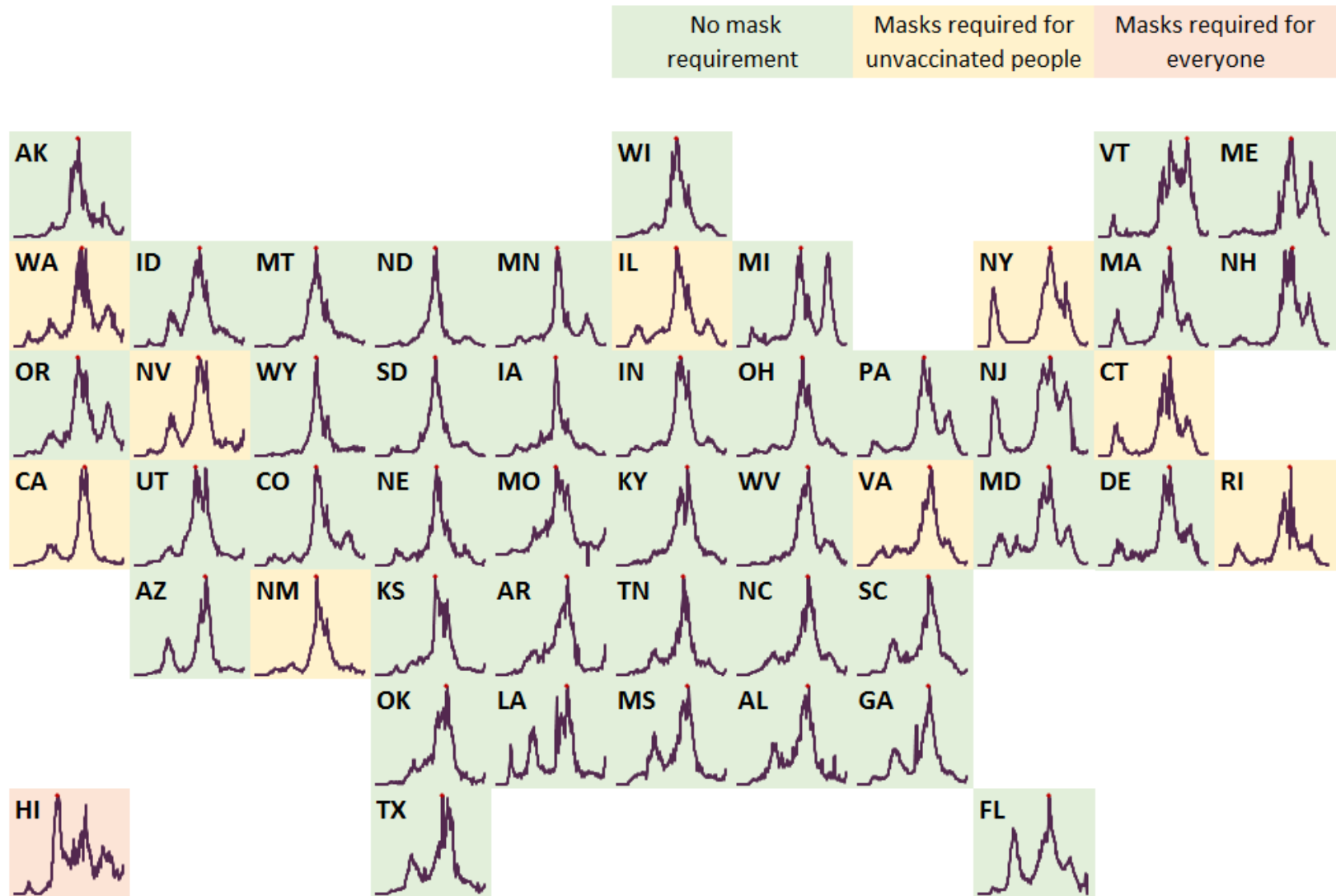
COVID-19 in the U.S.



Source: Guggenheim Investments, Bloomberg. Data as of 7/13/2021.

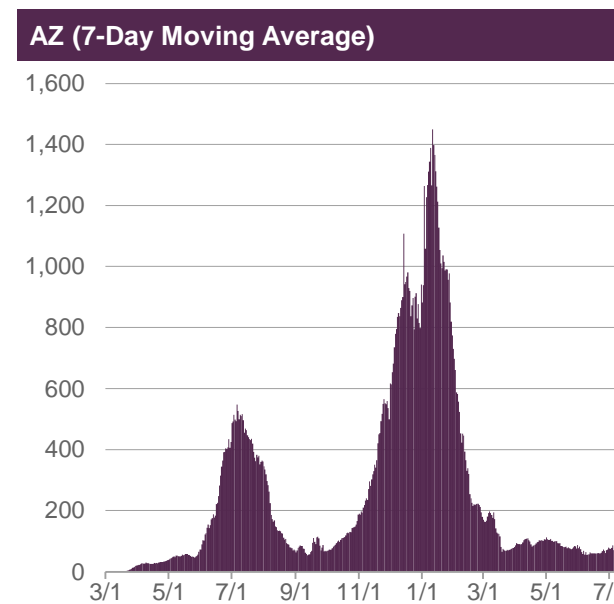
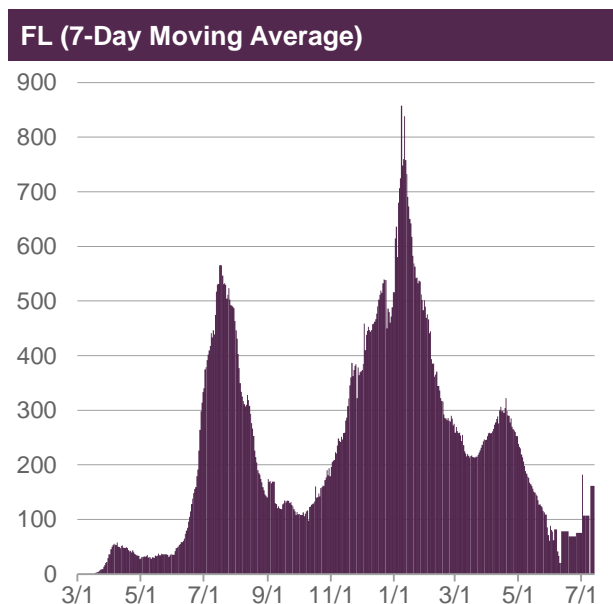
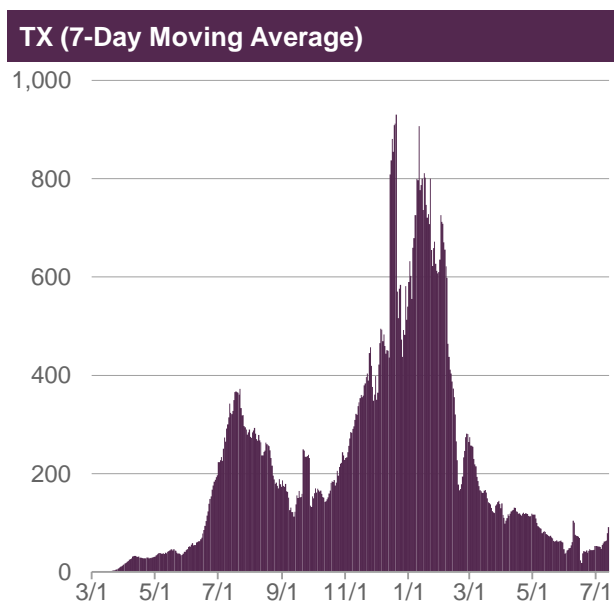
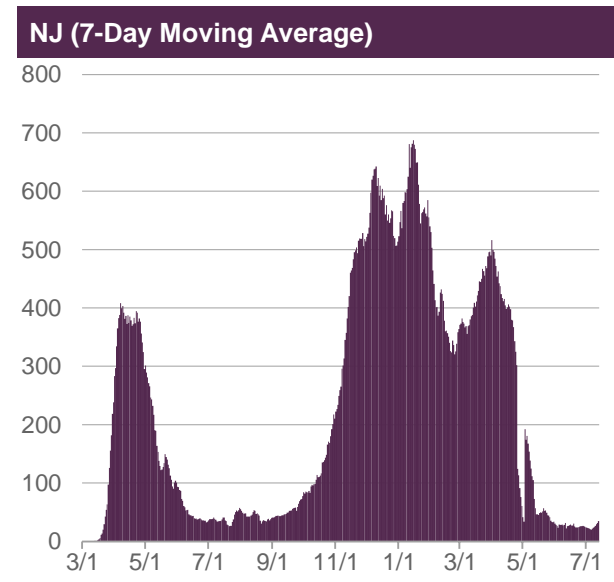
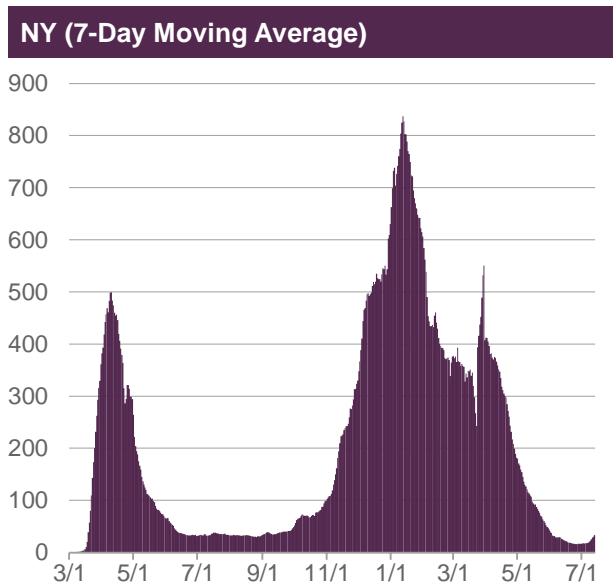
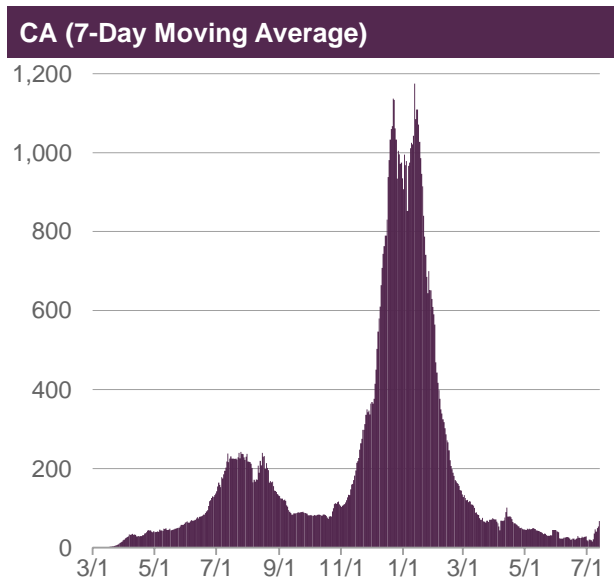
U.S. Map of Daily New Cases

Daily New Cases by State (7-Day Moving Average)



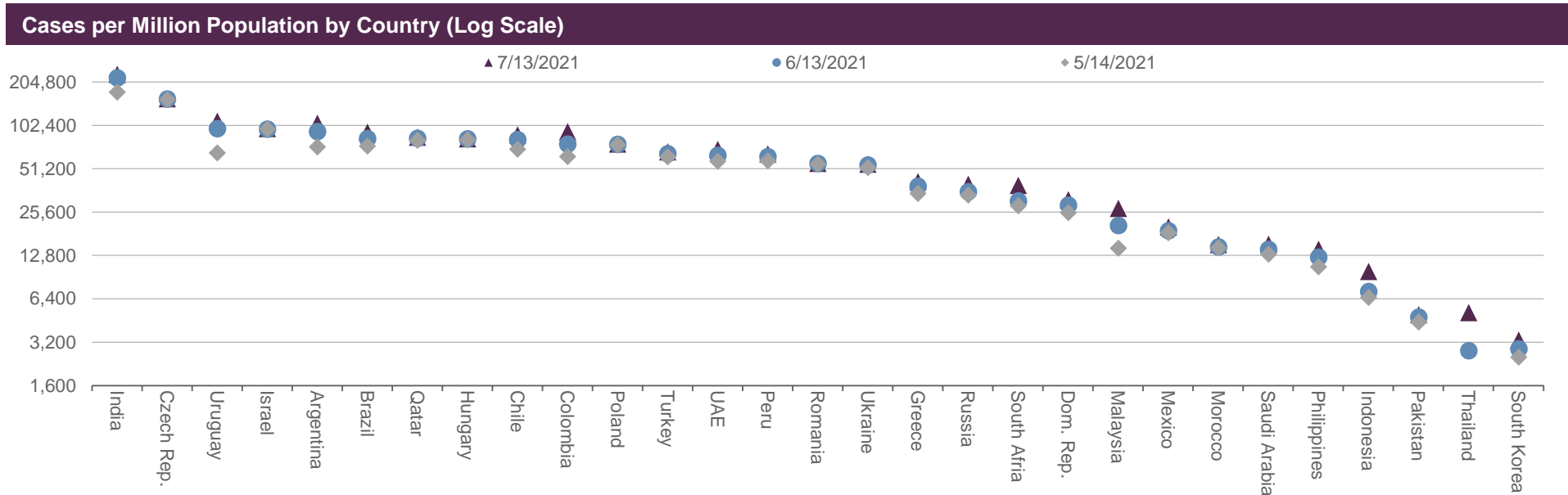
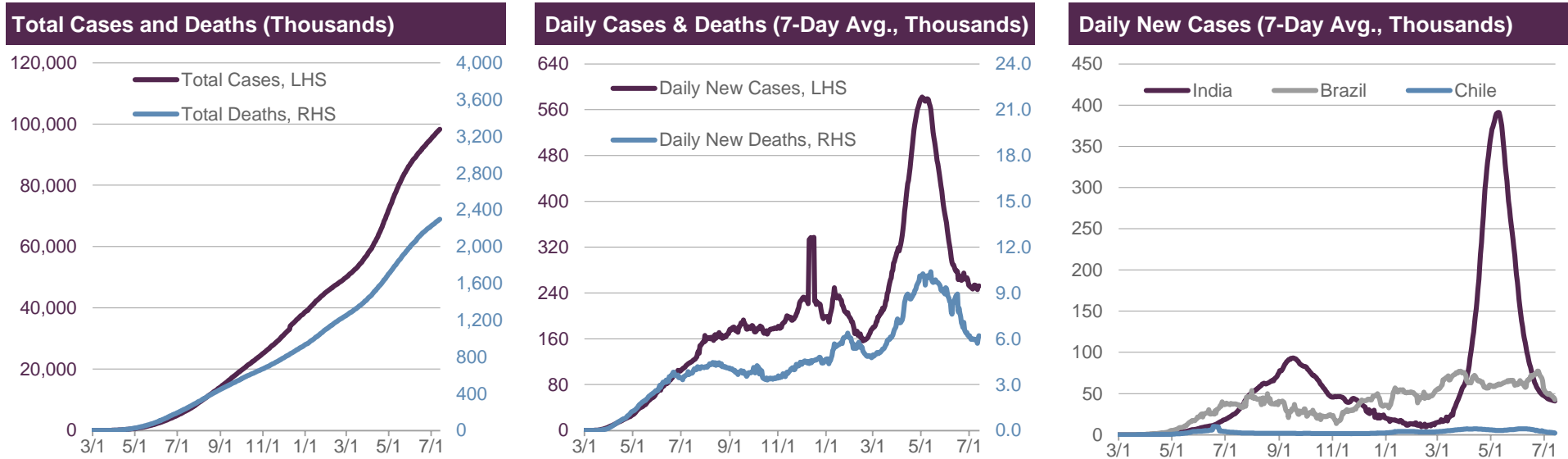
Source: Guggenheim Investments, Bloomberg. Data as of 7/13/2021. Start date: 1/23/2020.

Daily New Cases per Million Population in Major Epicenters: The U.S.



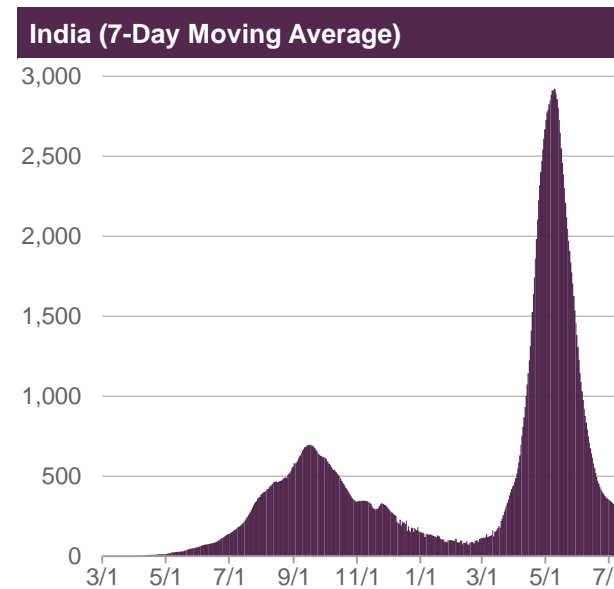
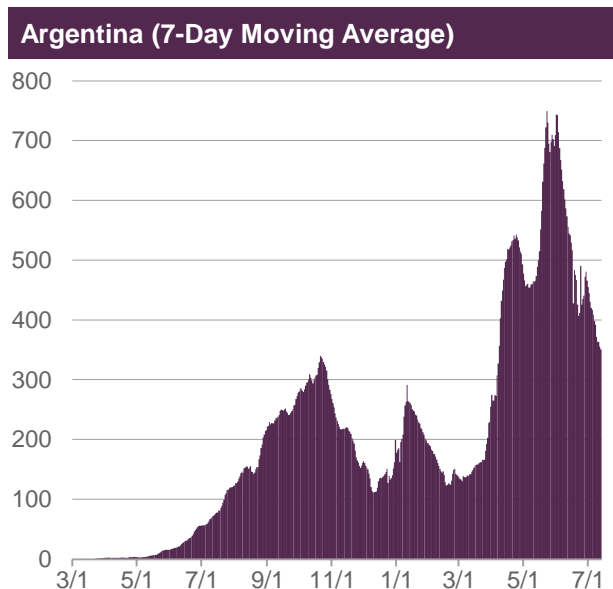
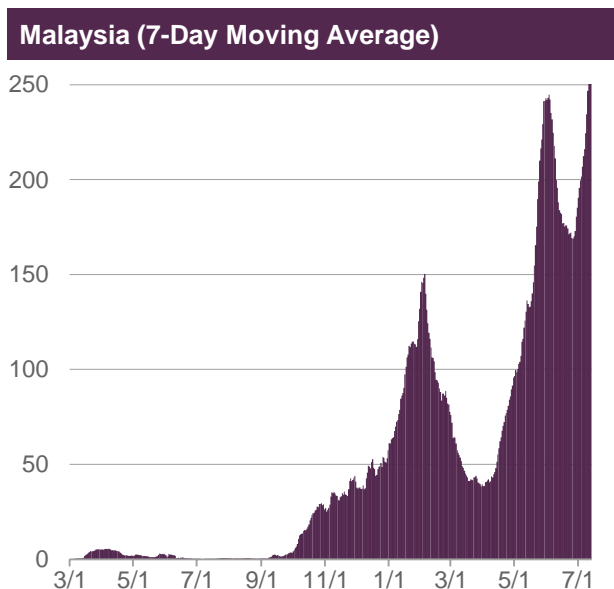
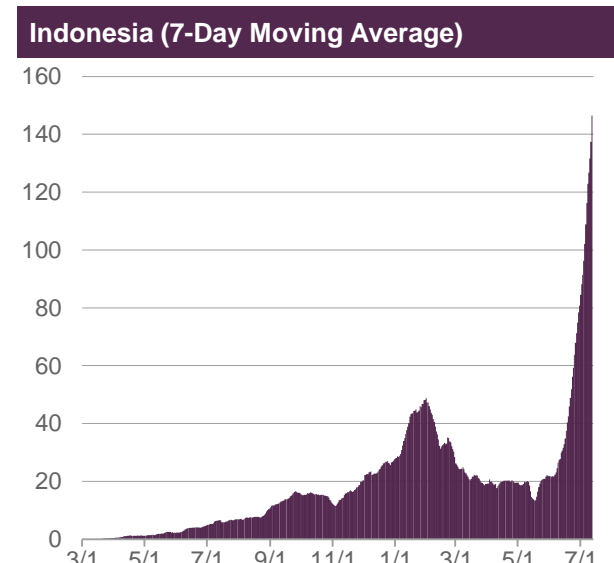
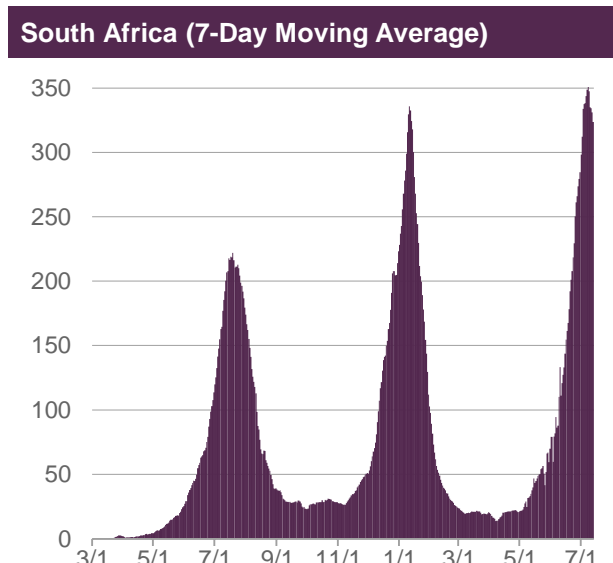
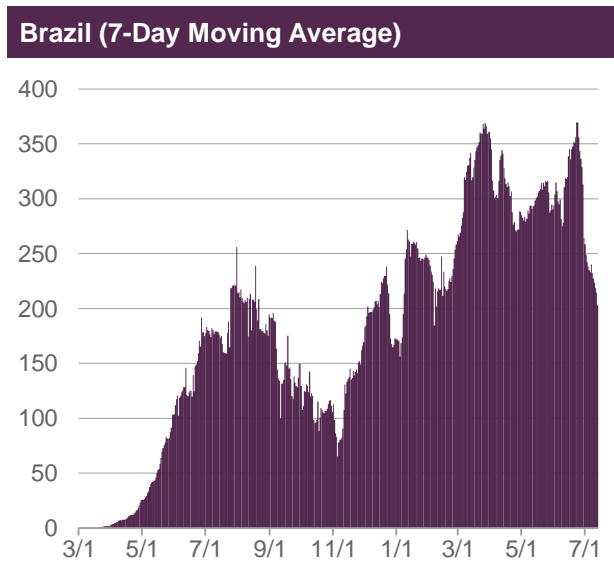
Source: Guggenheim Investments, Bloomberg. Data as of 7/13/2021.

COVID-19 Cases in Emerging Markets



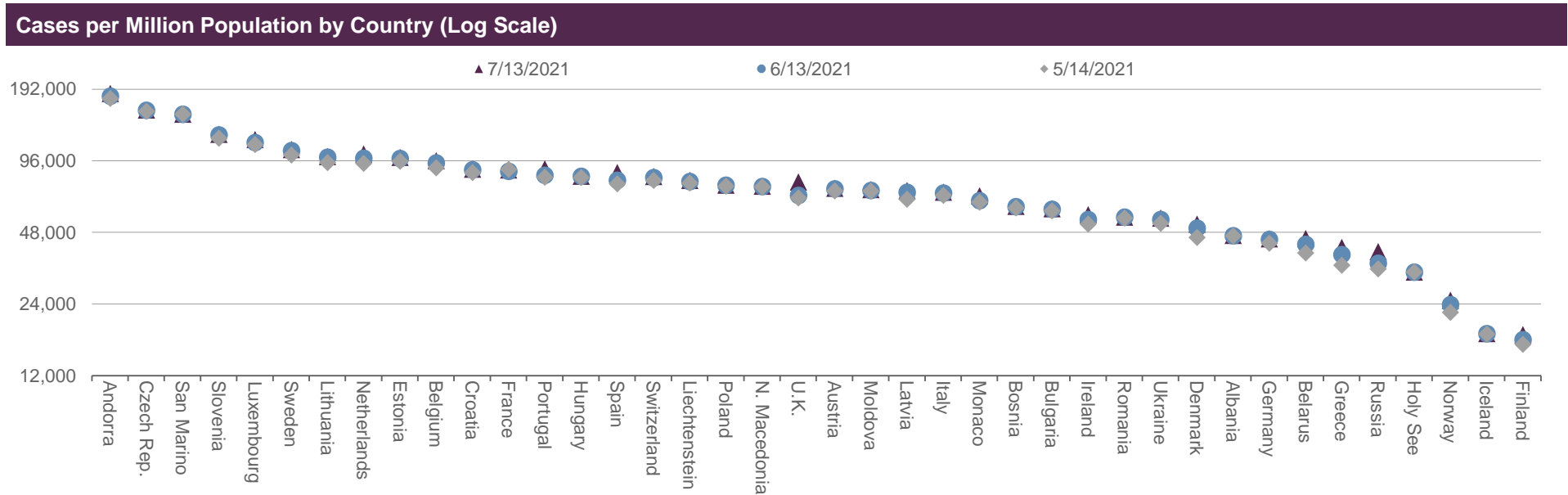
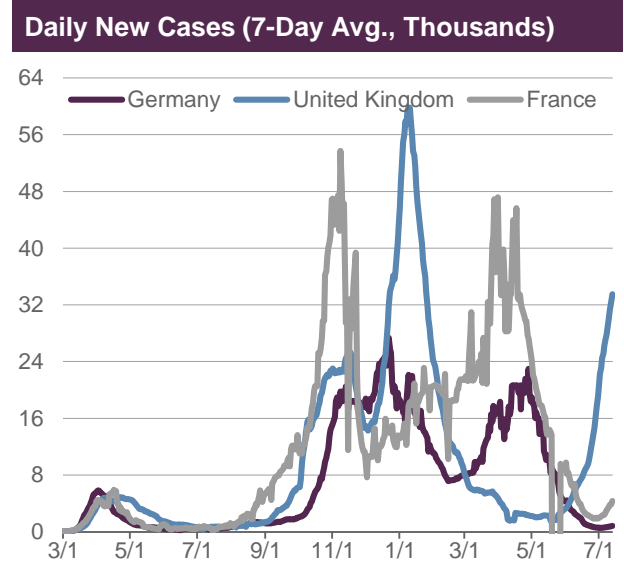
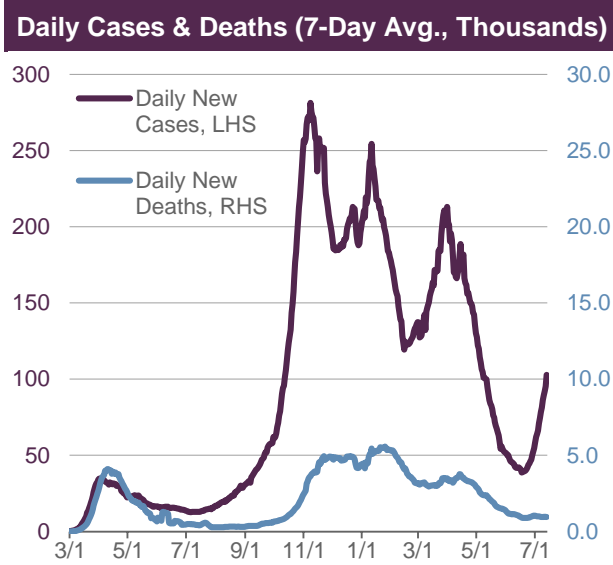
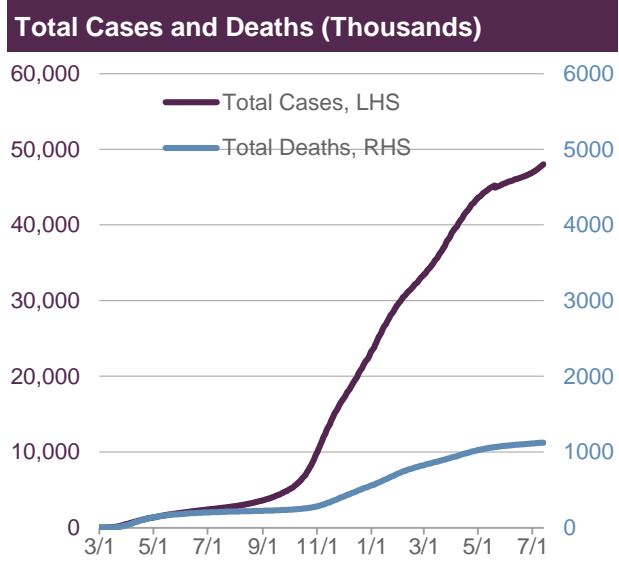
Source: Guggenheim Investments, Bloomberg. Data as of 7/13/2021. EM aggregate excludes China and Korea. The recent jump in COVID-19 deaths is due to data revision in Peru.

Daily New Cases per Million Population in Major Epicenters: EM



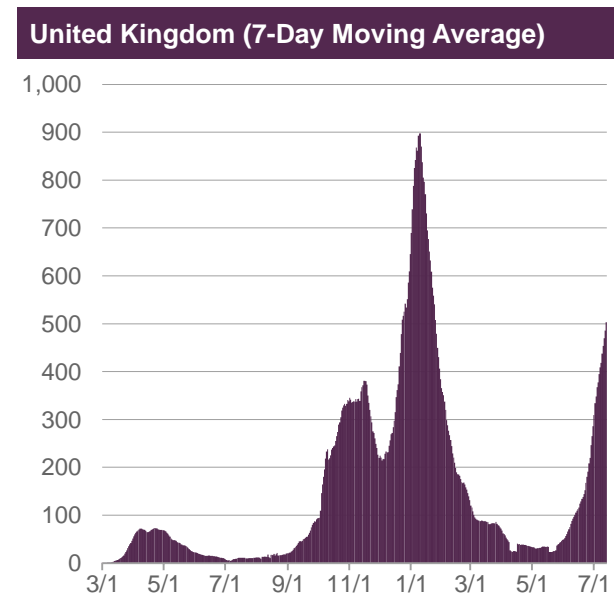
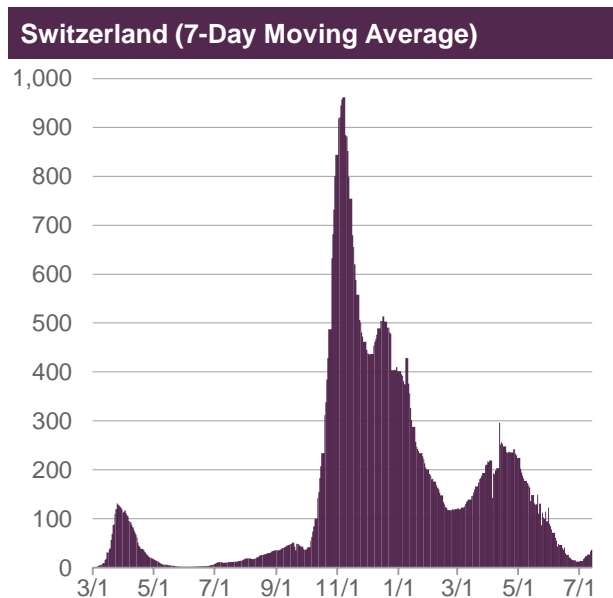
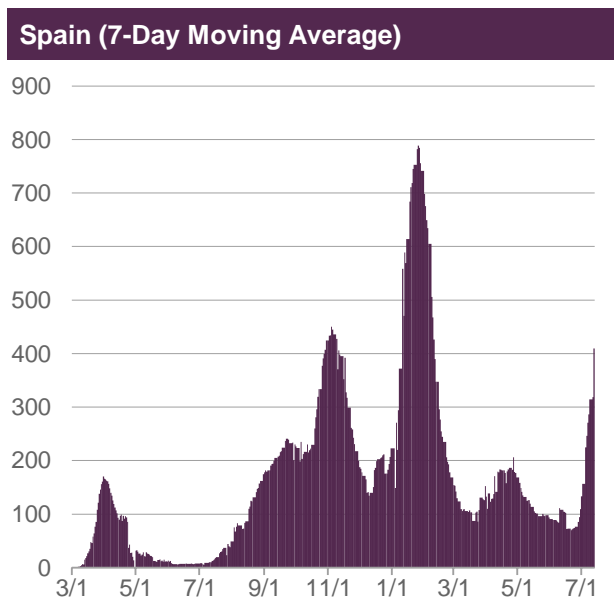
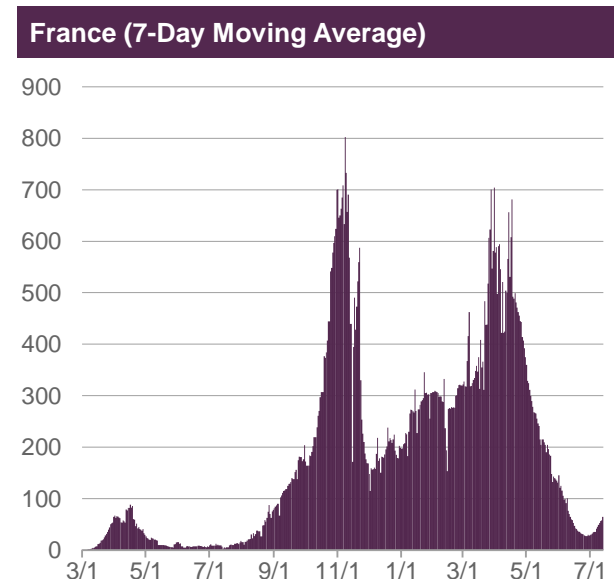
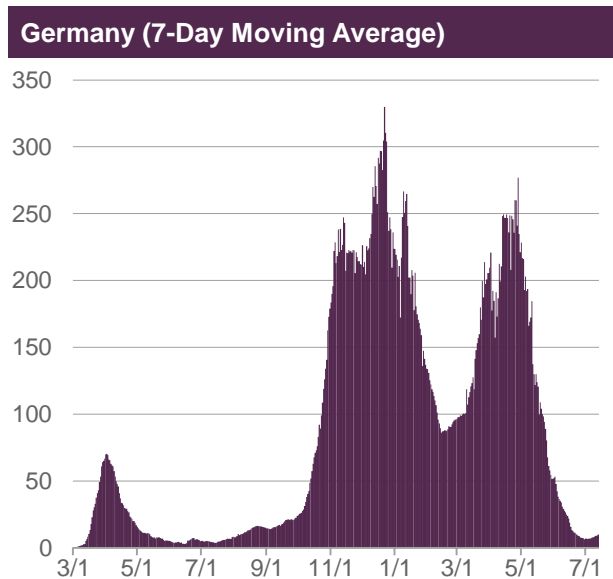
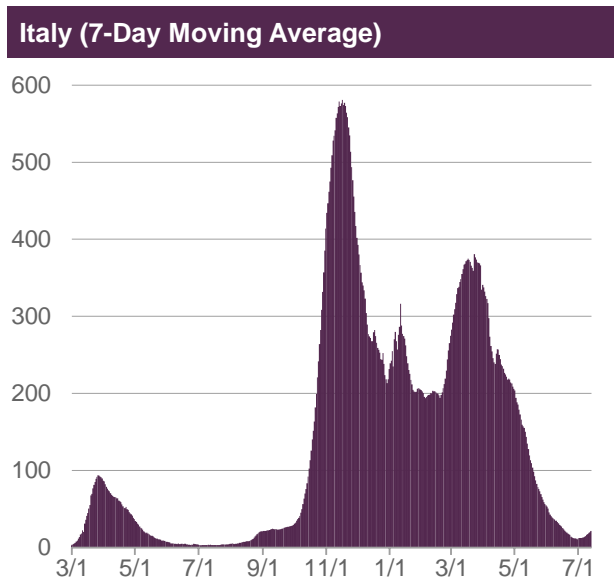
Source: Guggenheim Investments, Bloomberg. Data as of 7/13/2021.

COVID-19 Cases in Europe



Source: Guggenheim Investments, Bloomberg. Data as of 7/13/2021. Europe aggregate includes the United Kingdom.

Daily New Cases per Million Population in Major Epicenters: Europe



Source: Guggenheim Investments, Bloomberg. Data as of 7/13/2021.

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