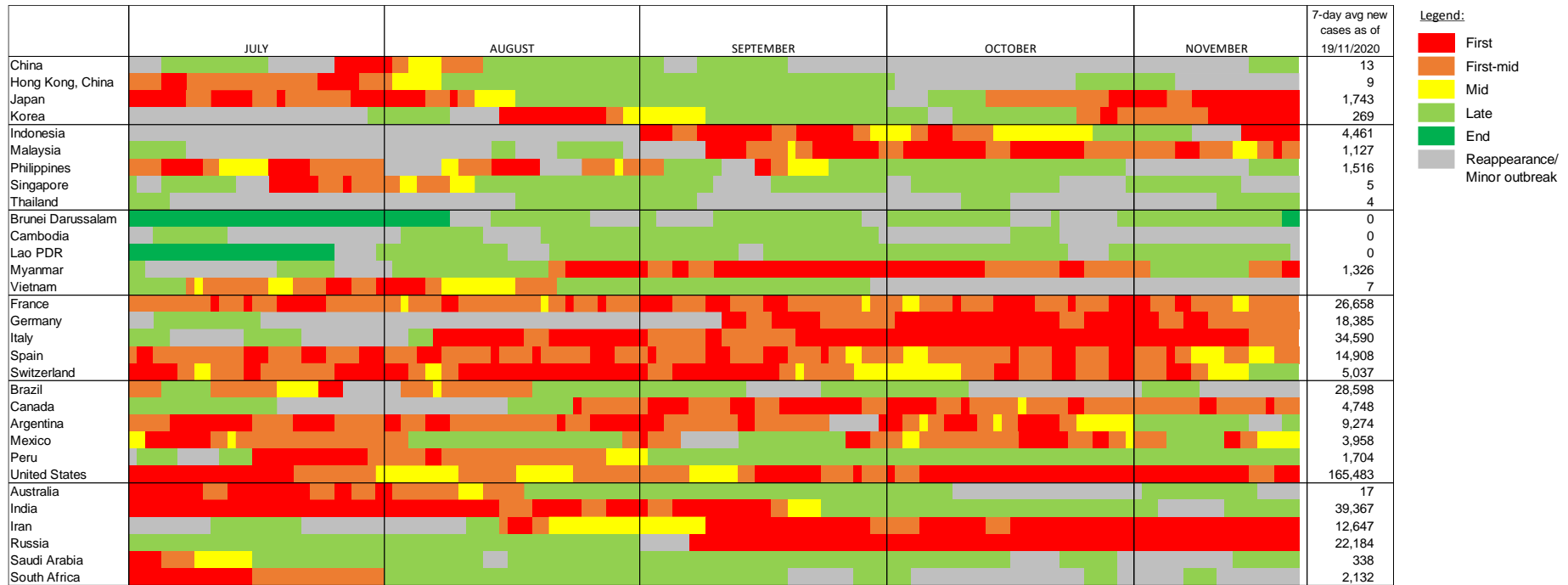


Friday, November 20, 2020

Data as of November 19, 2020

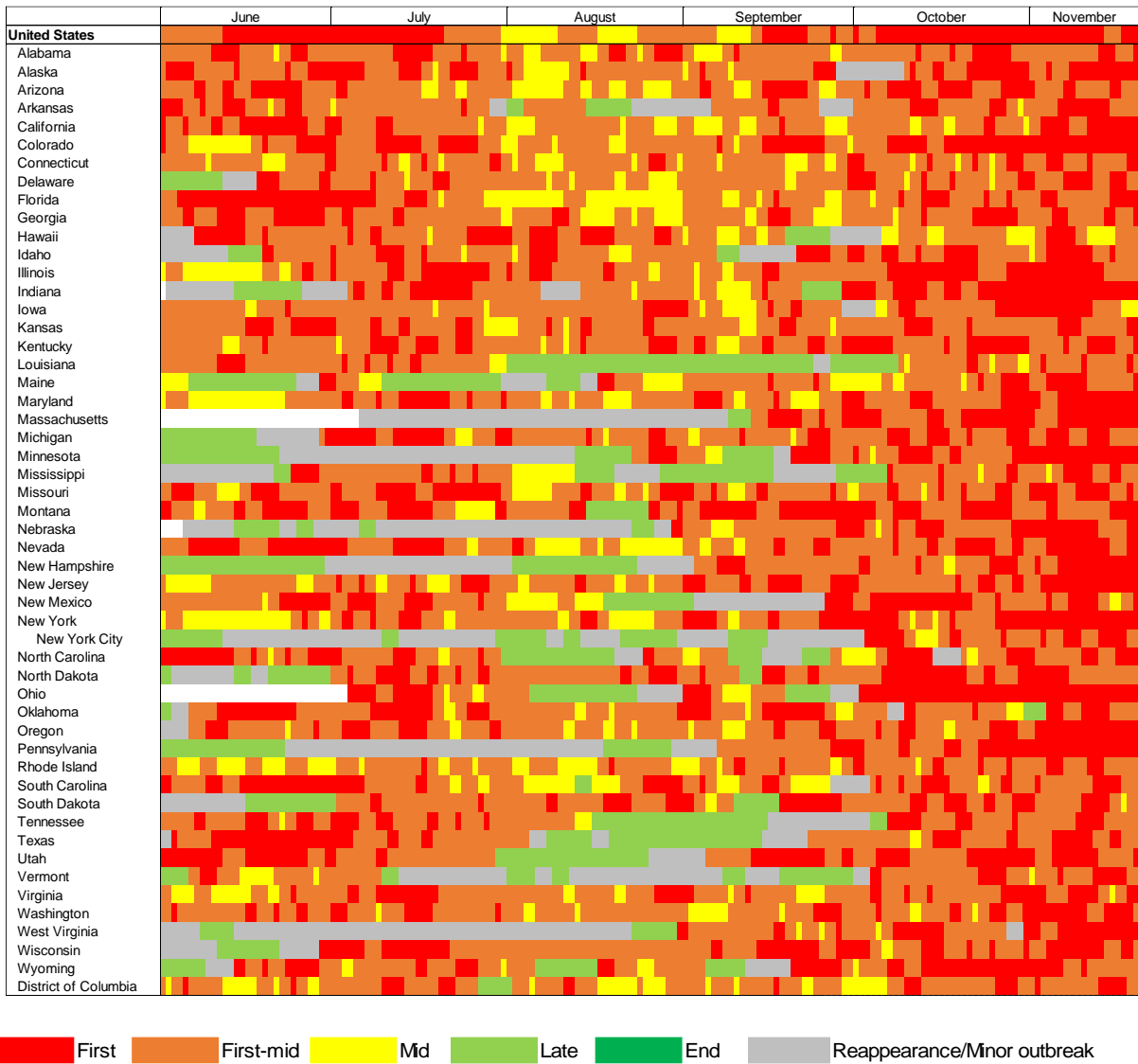
Figure 1. ASEAN+3 and Selected Economies: Covid Cycle Heat-map



Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

Note: Based on [Hinojales, Marthe, Anne Oeking, and Li Lian Ong. 2020. "Where are We in the Covid Cycle?" AMRO Analytical Note, Singapore, April 27.](#) Minor outbreaks are classified as outbreaks in the bottom 75th percentile of a country's 7-day average daily new cases or outbreaks with less than 15 daily new cases in a country's 7-day average. Outbreaks can retroactively be reclassified as non-minor if a later date breaches the 75th percentile or 15-daily cases threshold. Individual cycles available upon request.

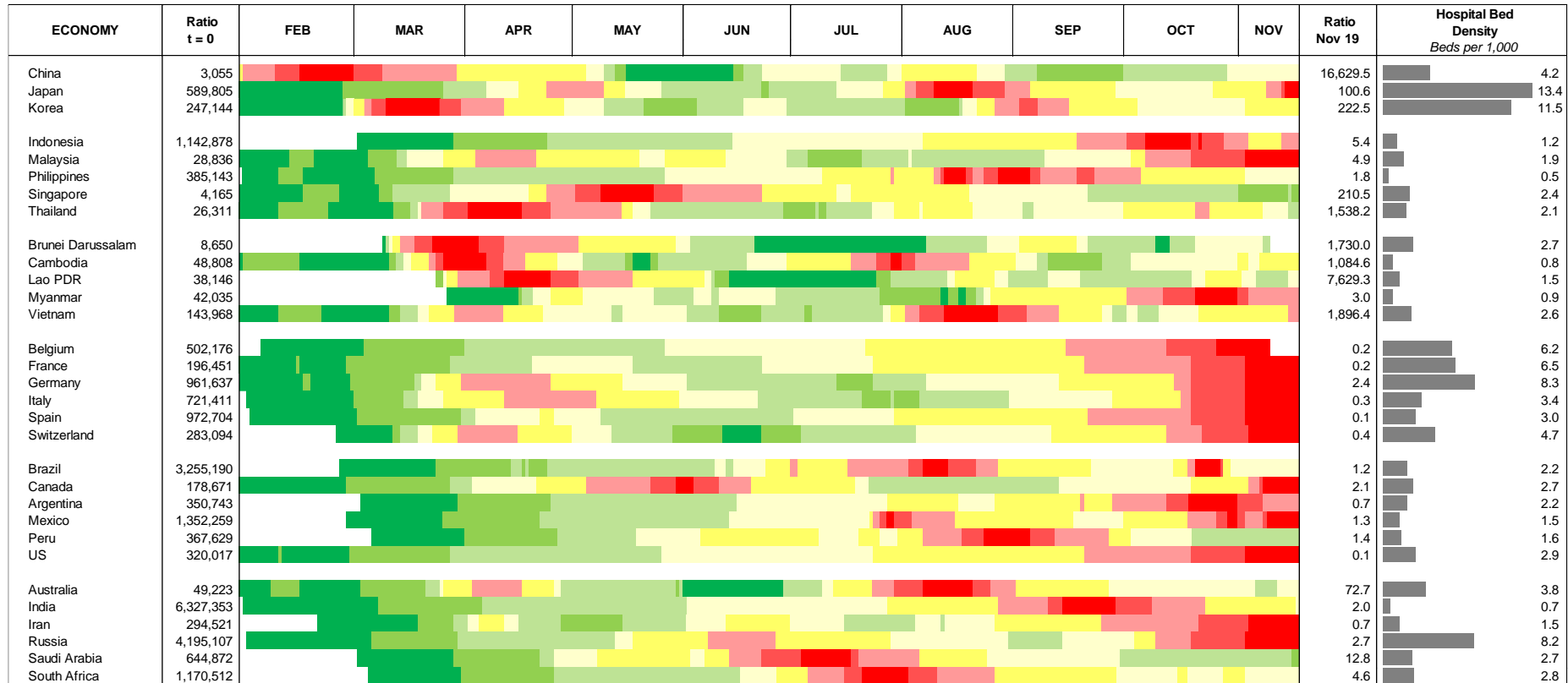
Figure 2. US States: Covid Cycle Heat-map



Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

Note: Based on [Hinojales, Marthe, Anne Oeking, and Li Lian Ong. 2020. "Where are We in the Covid Cycle?" AMRO Analytical Note, Singapore, April 27](#) and [Hinojales, Marthe, Anne Oeking, and Li Lian Ong. 2020. "The Covid Conundrum: Reopening in a Truly Global Pandemic" AMRO Analytical Note, Singapore, May 12](#). Minor outbreaks are classified as outbreaks in the bottom 75th percentile of a country's 7-day average daily new cases. Outbreaks can retroactively be reclassified as non-minor if a later date breaches the 75<sup>th</sup> percentile threshold. Recovery data for California, Florida, Georgia, Illinois, Missouri, Washington, and New York City is not reported, thus estimated using the US-wide recovery rate.

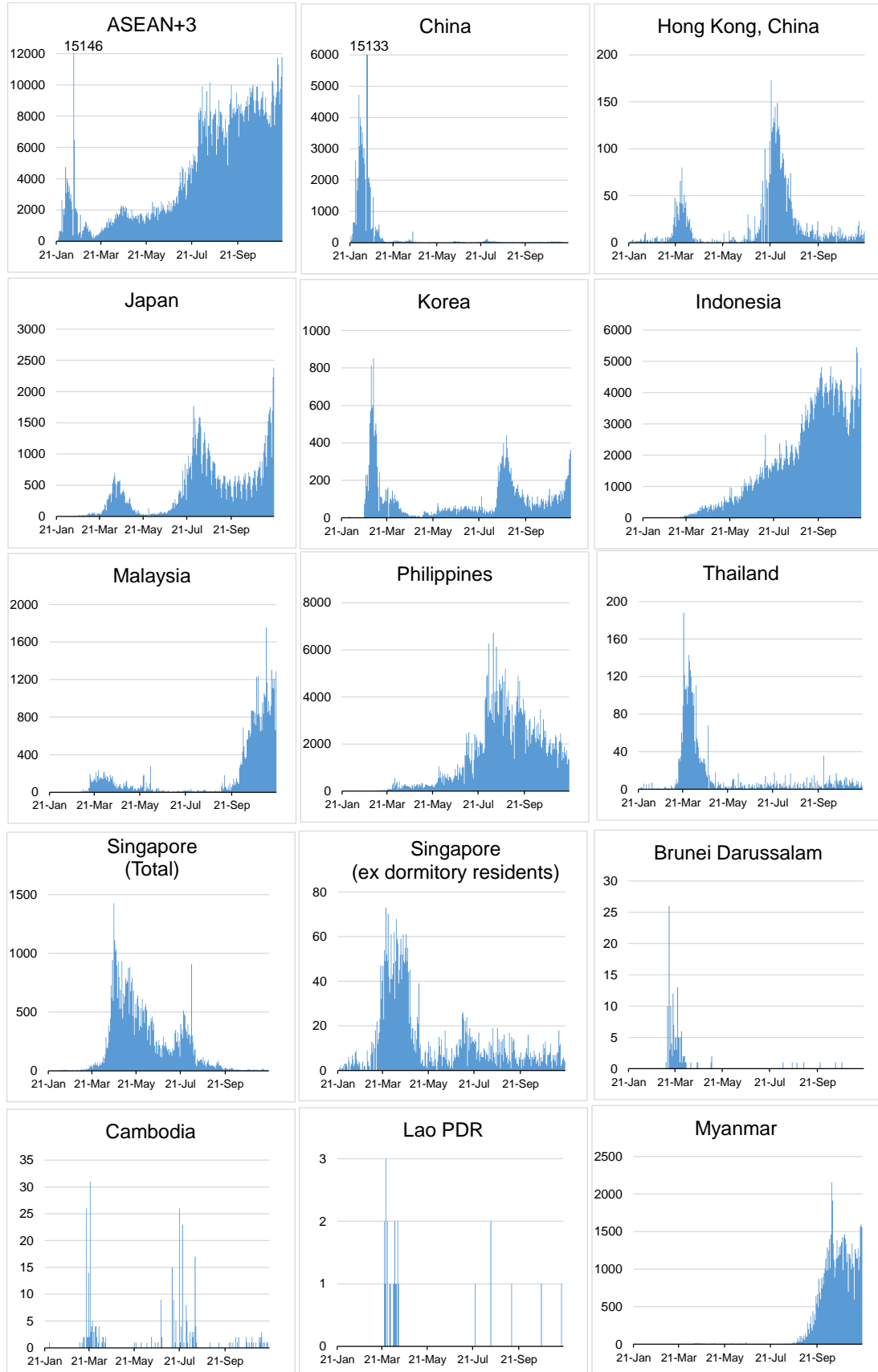
**Figure 3. ASEAN+3 and Selected Economies: Capacity of the Healthcare System during COVID-19**  
(Measured by the number of hospital beds to active cases)



Sources: Haver Analytics, sourced from Johns Hopkins University; World Health Organization; and AMRO staff calculations.

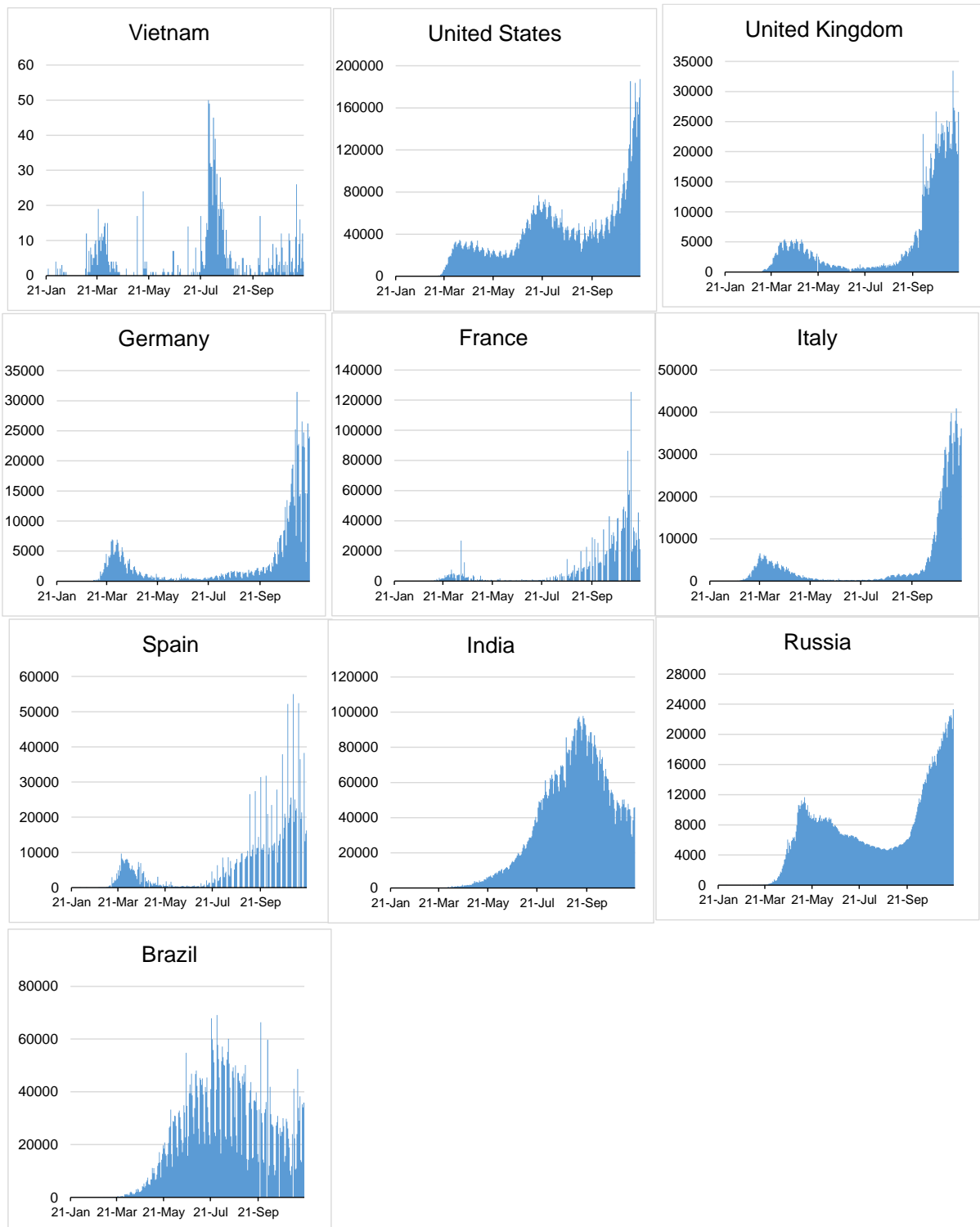
Note: t = 0 refers to the value on February 1, 2020. Where unavailable, t = 0 refers to the date when the data series for each economy begins. The comparison is relative to each economy's own historical ratios, and does not take into account the quality of healthcare. The greener the heatmap, the greater the capacity of the economy's healthcare system compared to its past capacity; the redder, the weaker the capacity.

**Figure 4. Selected Economies: Daily Confirmed Cases**



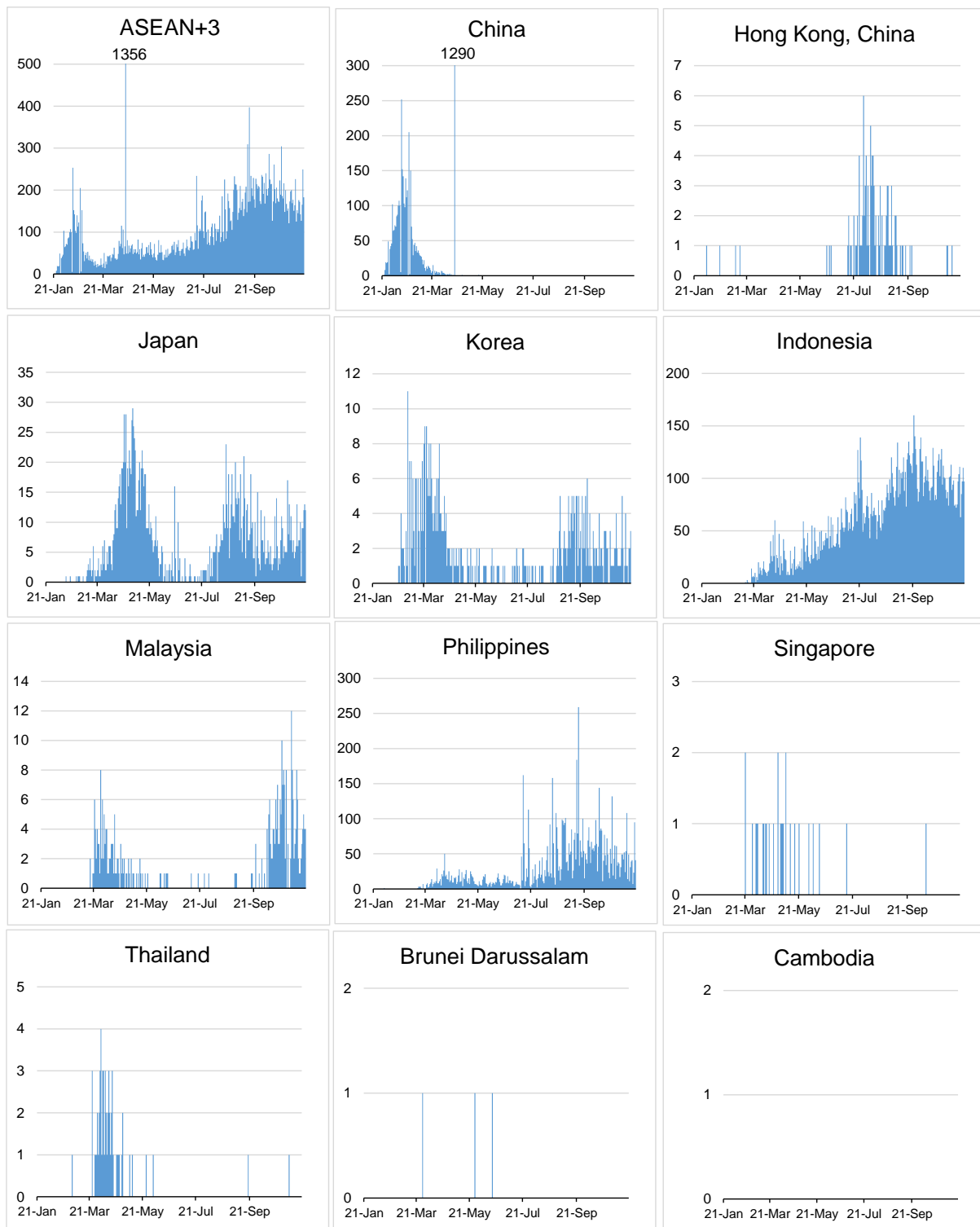
Note: For Singapore, the majority of cases belonged to work permit holders residing in dormitories. Between April 01 and October 13 when dormitory cases were first reduced to zero, the proportion of this group of cases took up 95.1% of the total new cases.

**Figure 4. Selected Economies: Daily Confirmed Cases**  
(Cont'd)

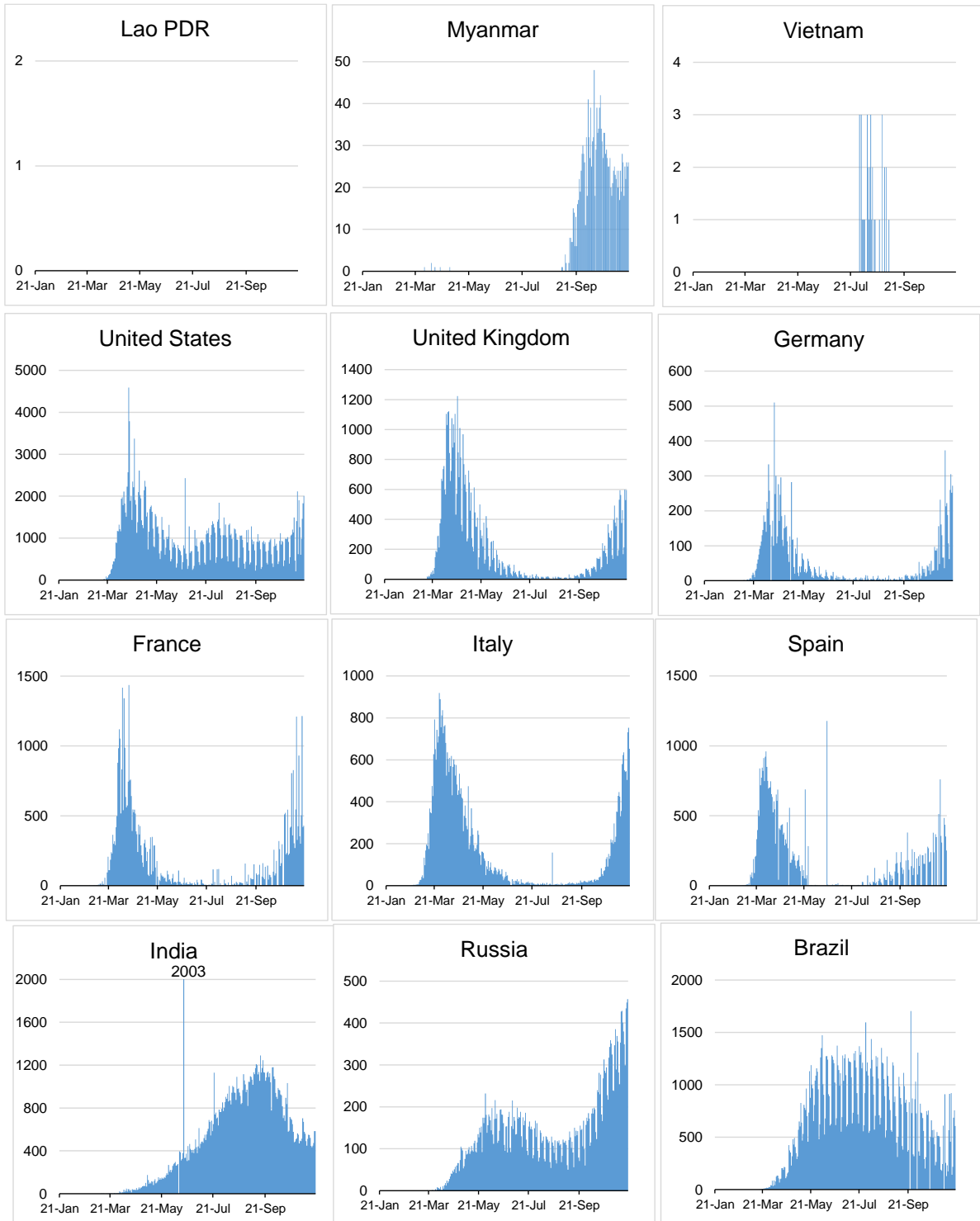


Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

**Figure 5. Selected Economies: Daily Confirmed Deaths**

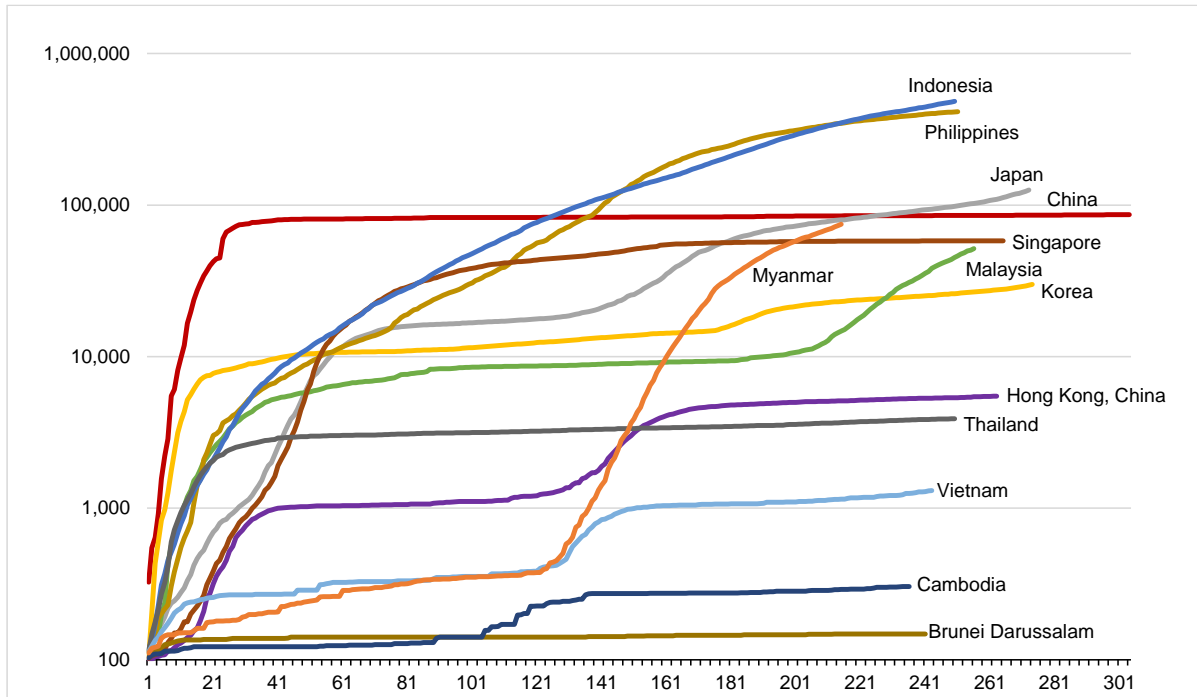


**Figure 5. Selected Economies: Daily Confirmed Deaths**  
(Cont'd)



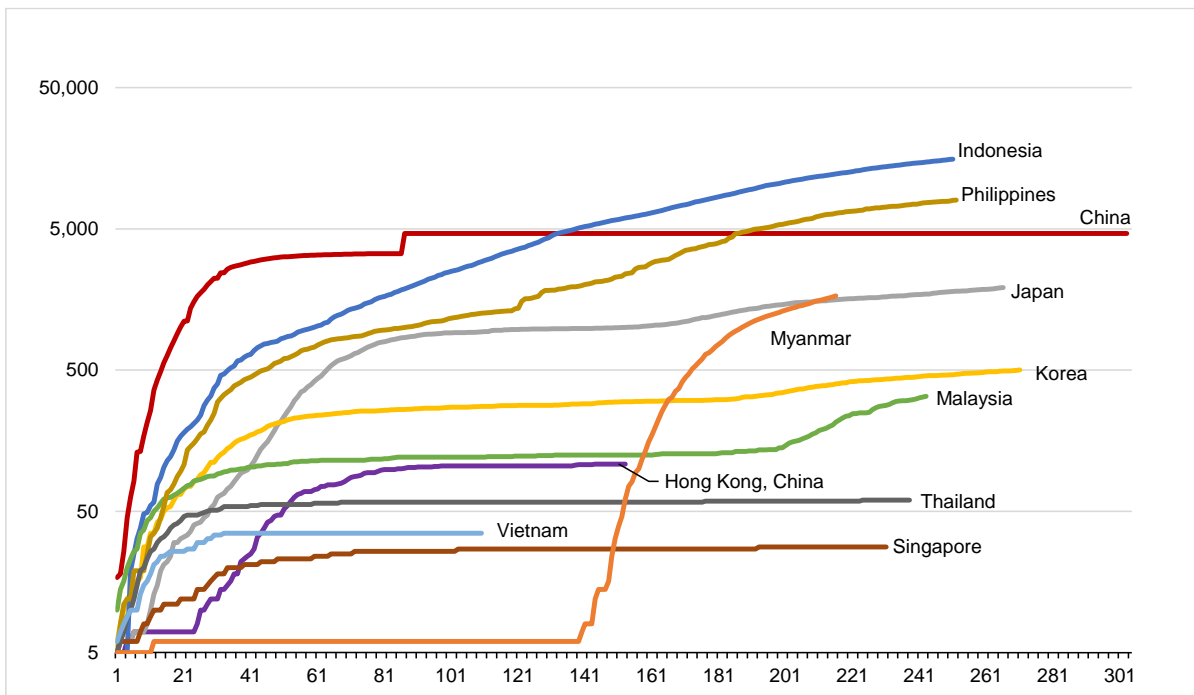
Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

**Figure 6. ASEAN+3: Confirmed Cases**  
(Number of days after 100<sup>th</sup> confirmed case; cases in log scale)



Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

**Figure 7. ASEAN+3: Confirmed Deaths**  
(Number of days after 5<sup>th</sup> confirmed case; cases in log scale)

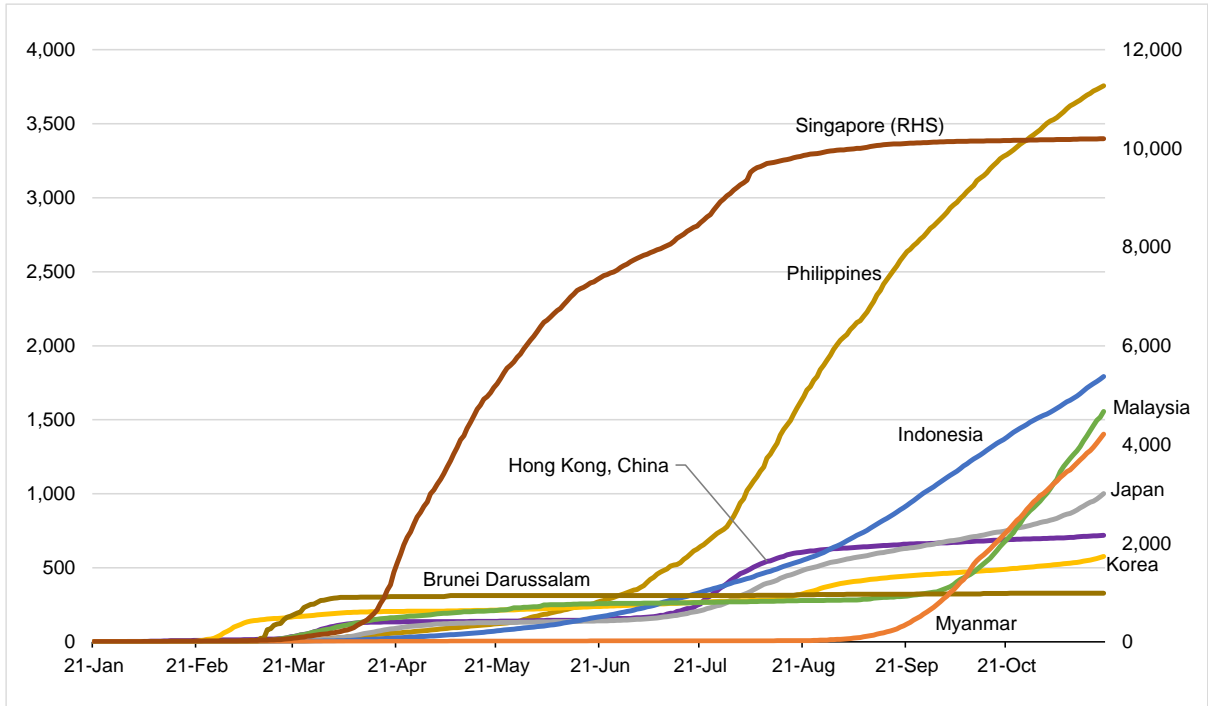


Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

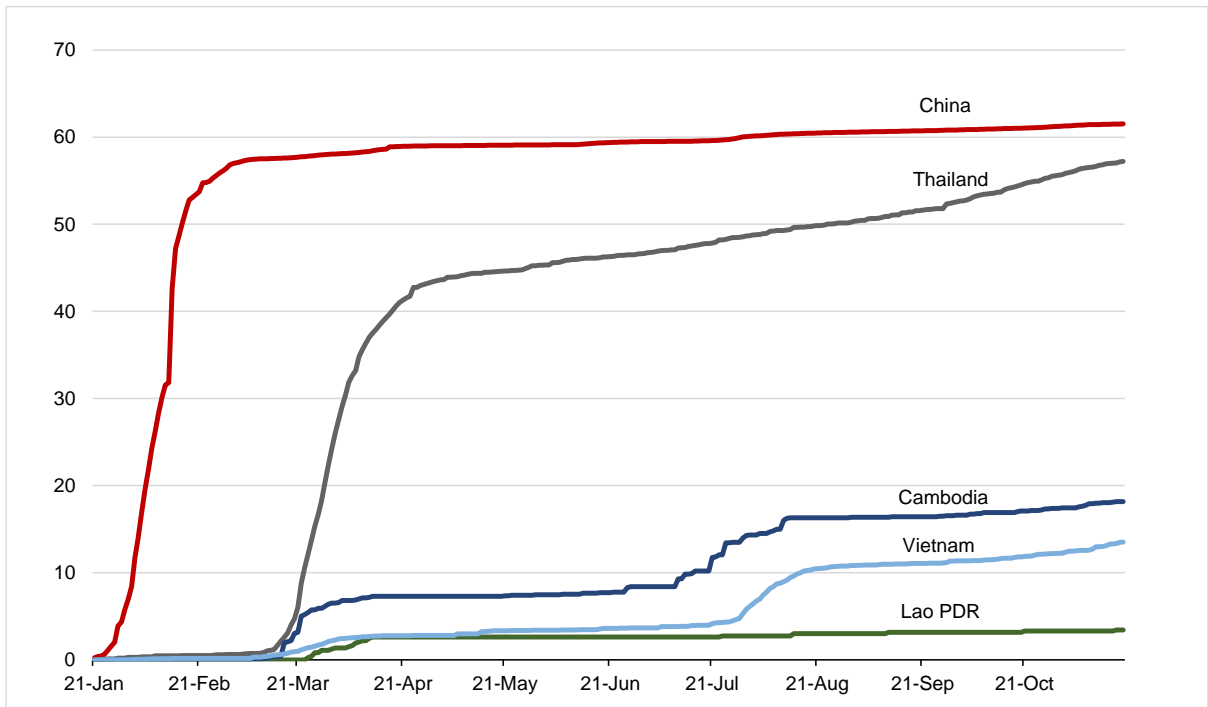


**Figure 8. Selected ASEAN+3 Economies: Confirmed Cases**

Per million population (above 100 cases/million)



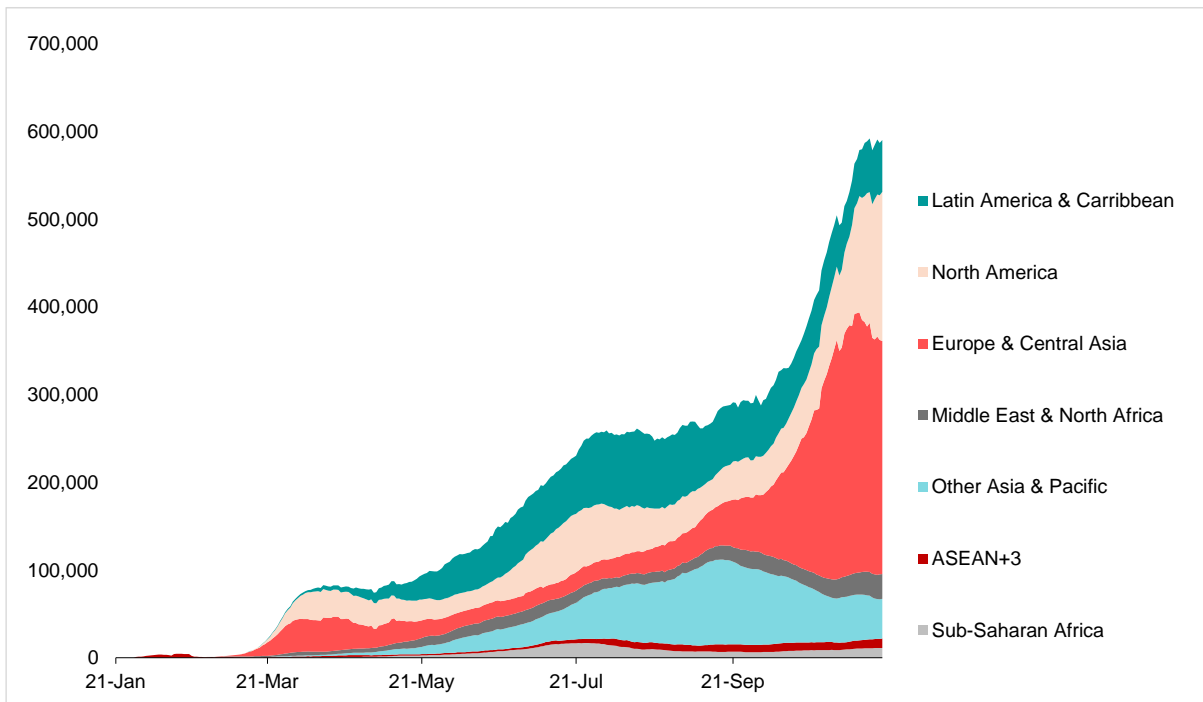
Per million population (below 100 cases/million)



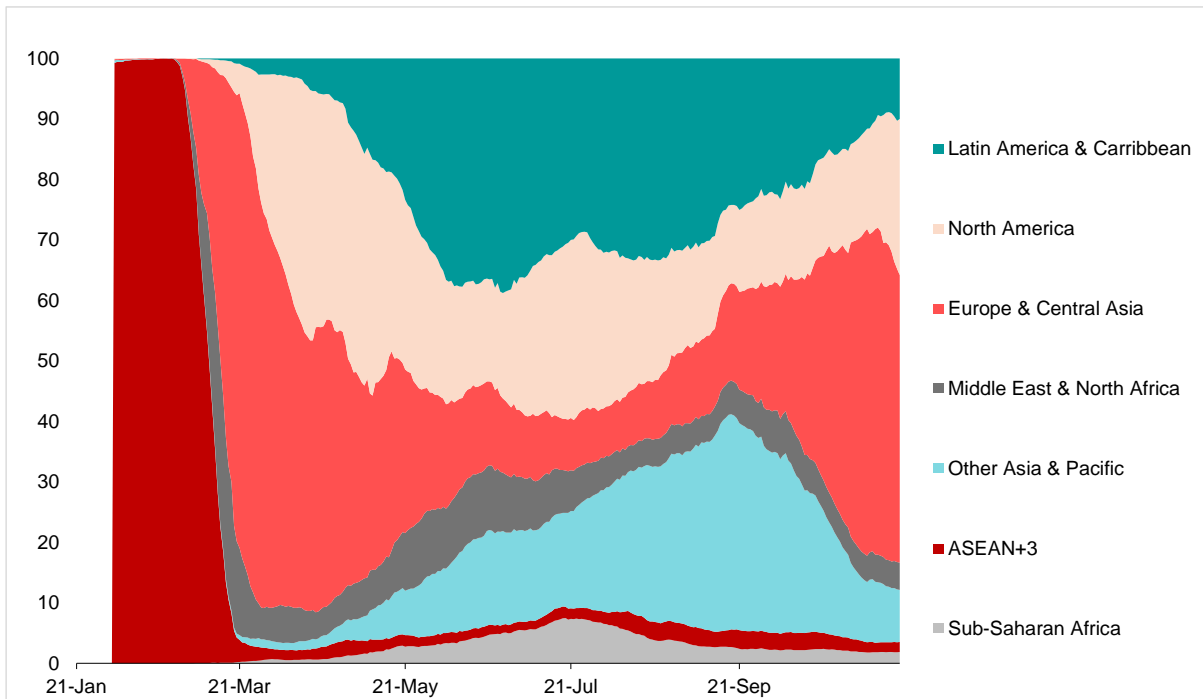
Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

**Figure 9. World: Daily New Cases by Region**

(Number of cases, 7-day average)

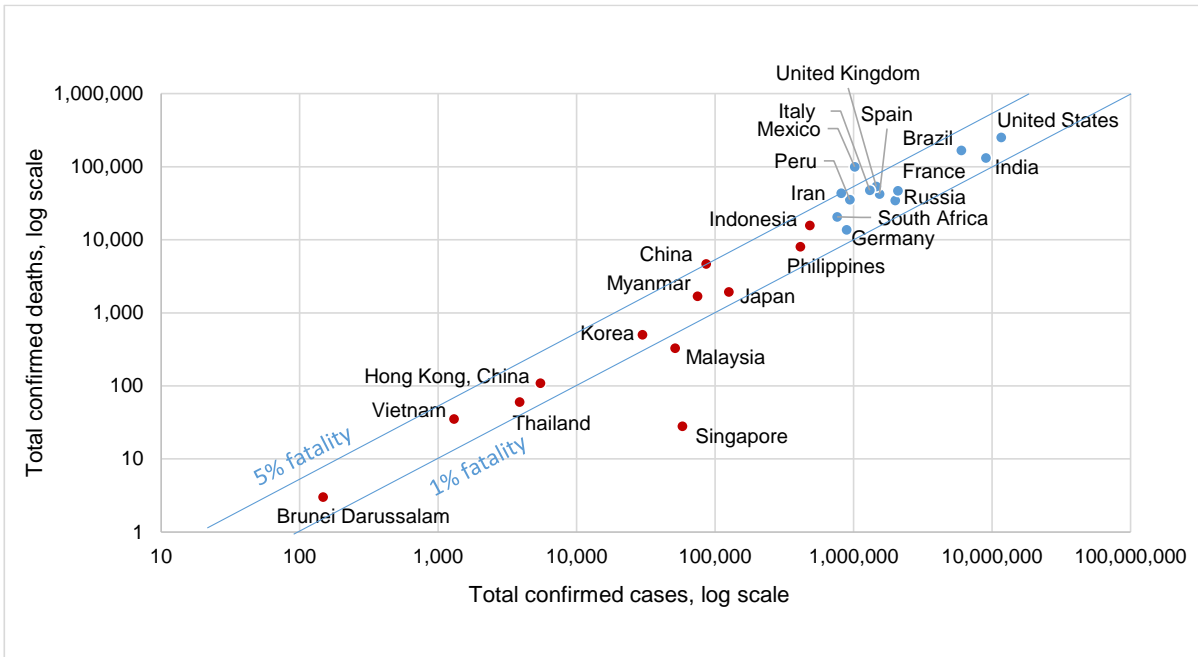


(Percentage share of total new cases, 7-day average)



Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.

**Figure 10. Selected Economies: Confirmed Cases vs. Confirmed Deaths**



Sources: Haver Analytics, sourced from Johns Hopkins University; and AMRO staff calculations.