

Friday, April 17, 2020
Data as of April 16, 2020

Figure 1. Selected Economies: Daily Confirmed Cases

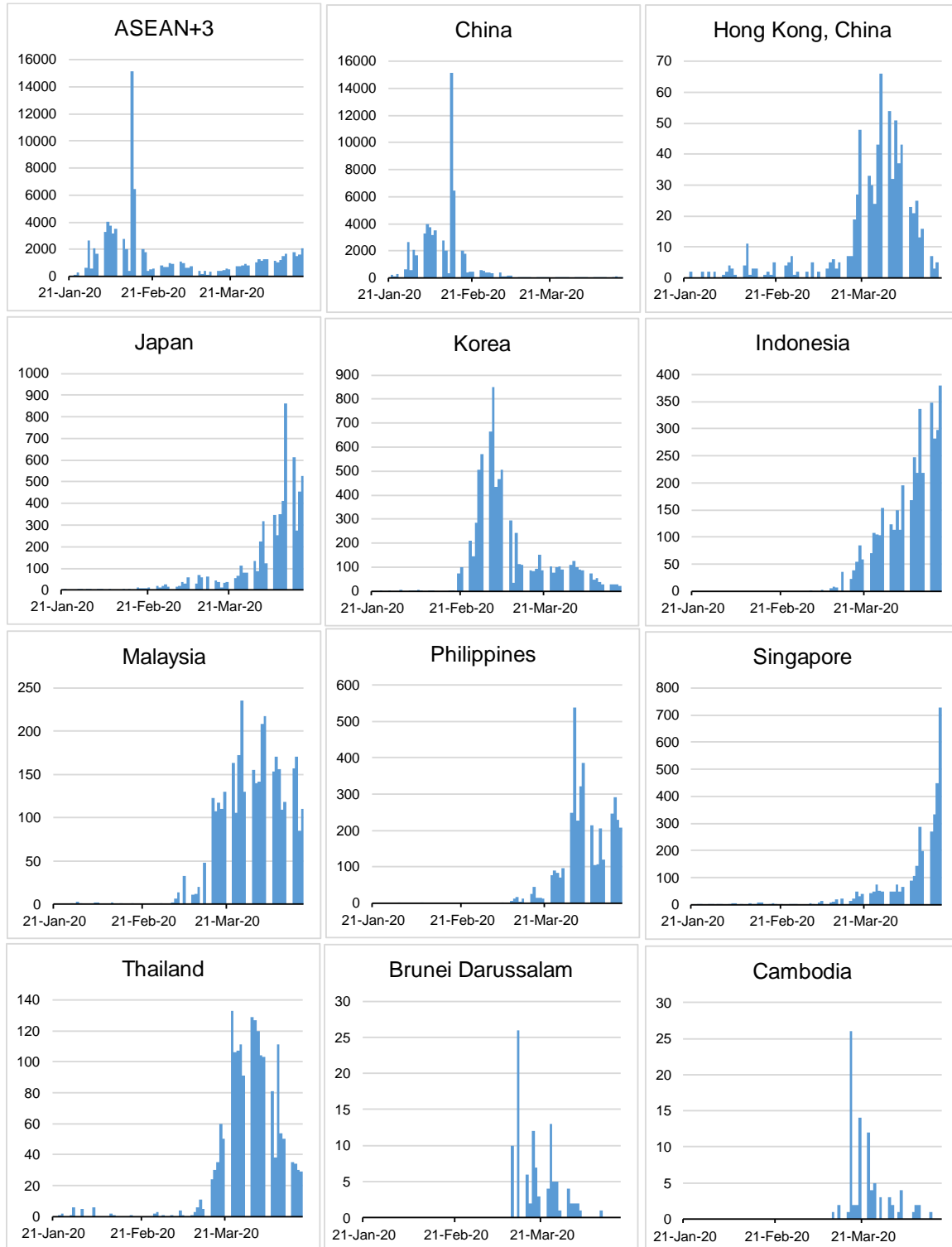
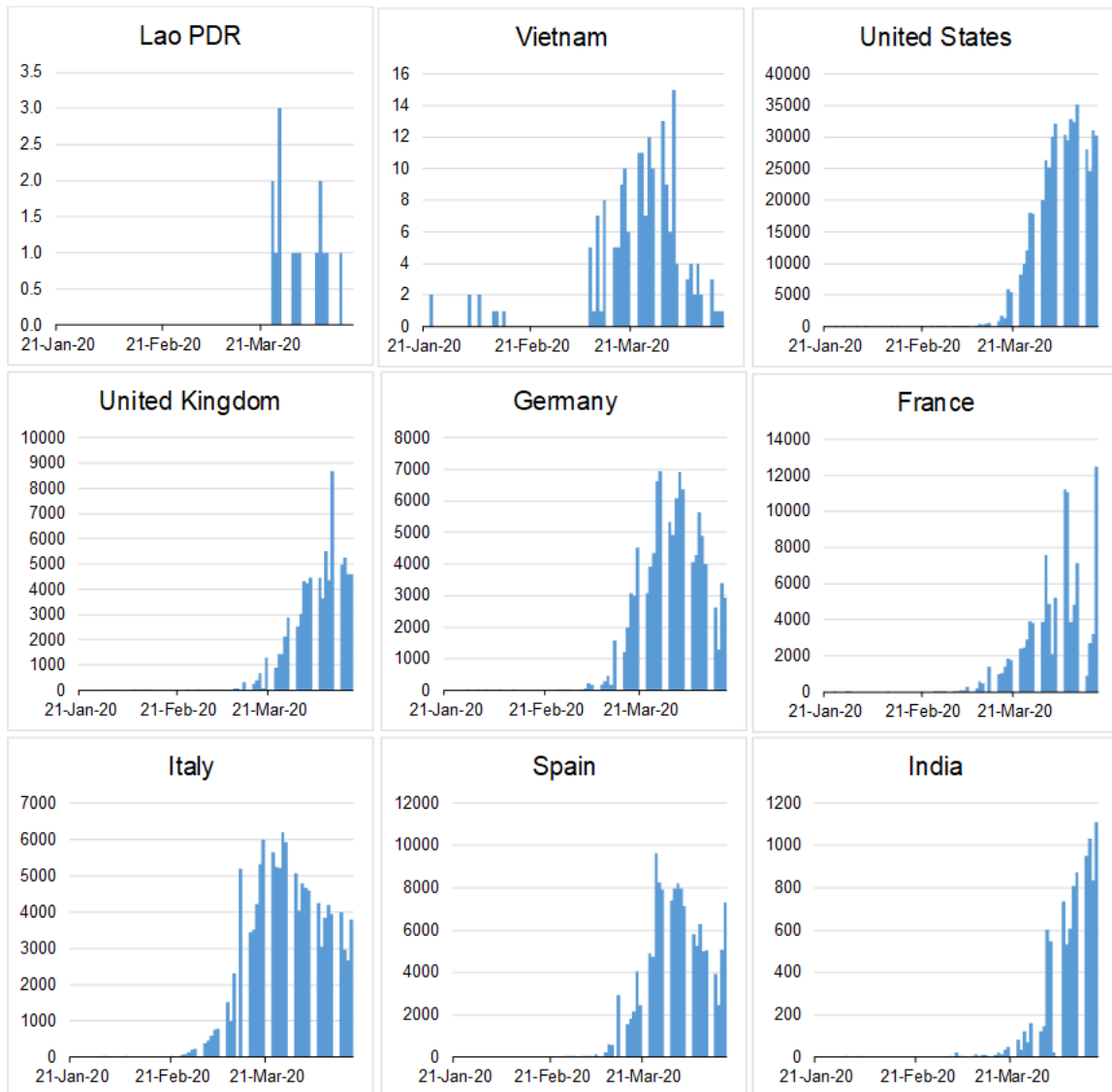


Figure 1. Selected Economies: Daily Confirmed Cases
(Cont'd)



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

Figure 2. Selected Economies: Daily Confirmed Deaths

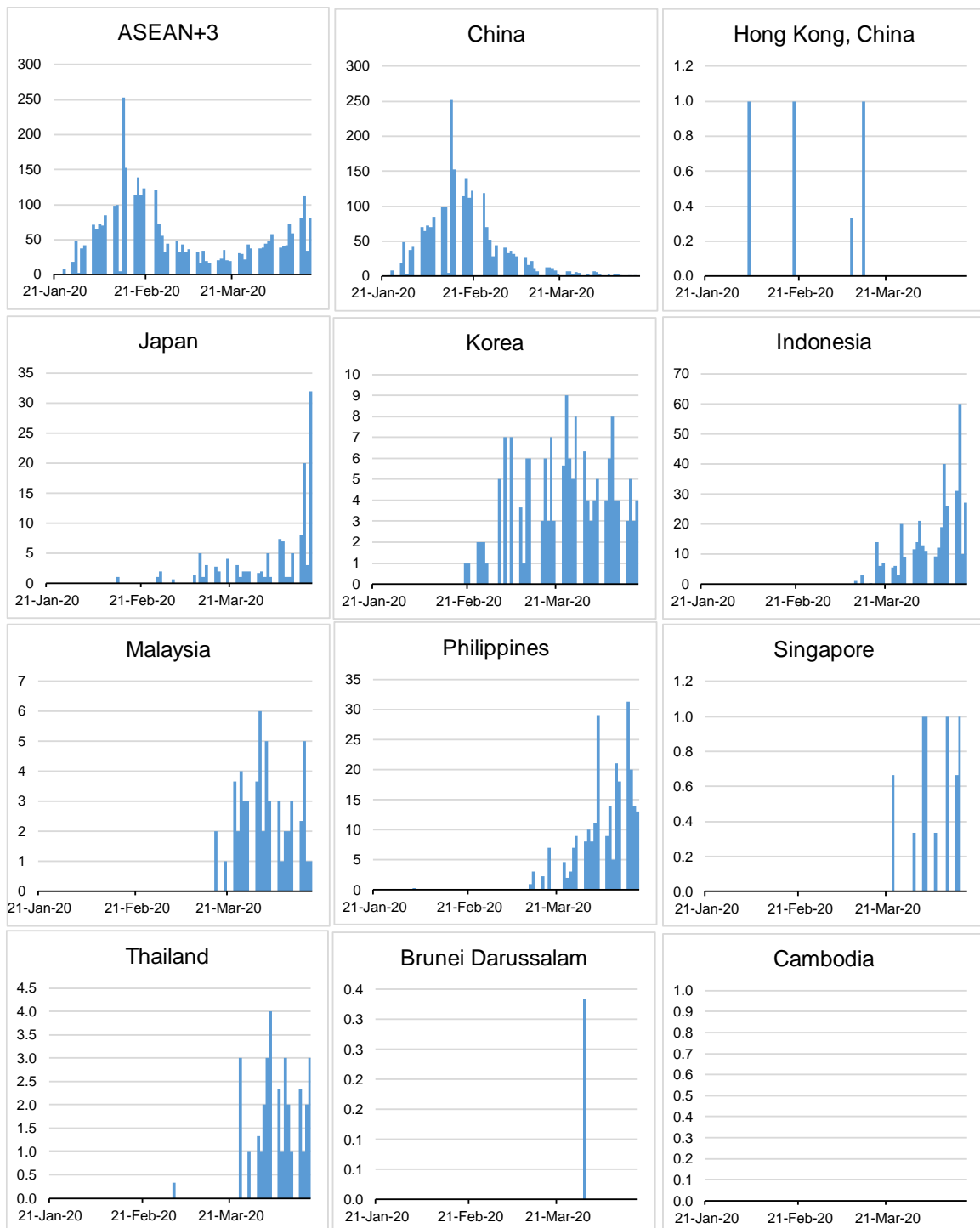
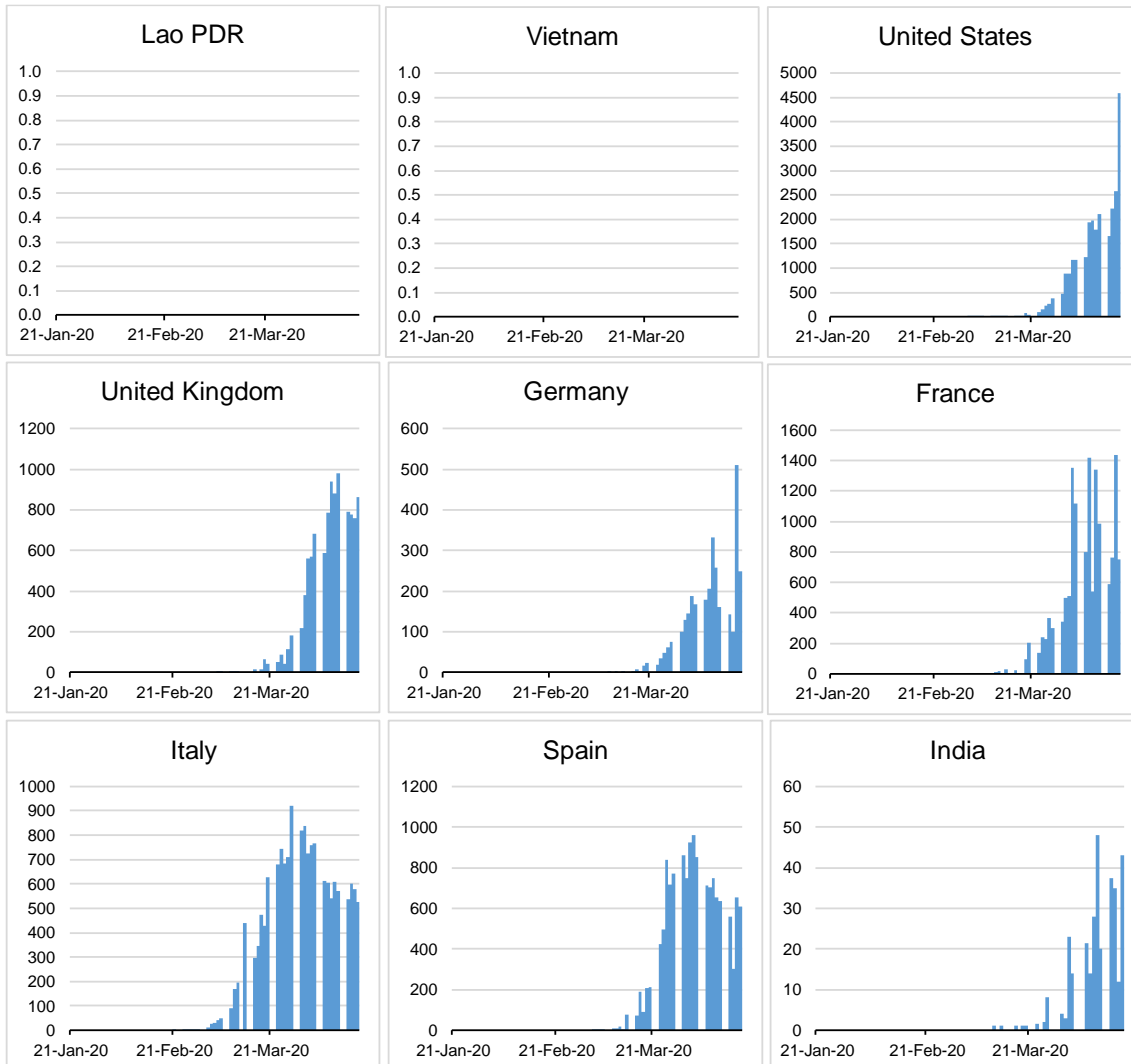


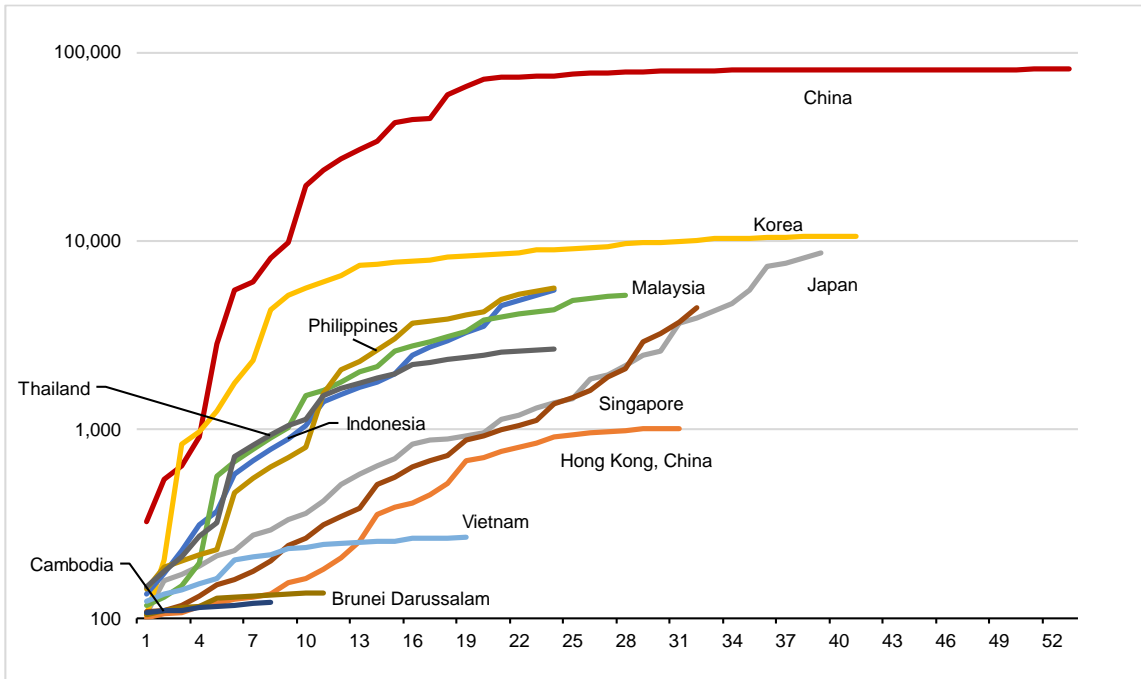
Figure 2. Selected Economies: Daily Confirmed Deaths
(Cont'd)



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

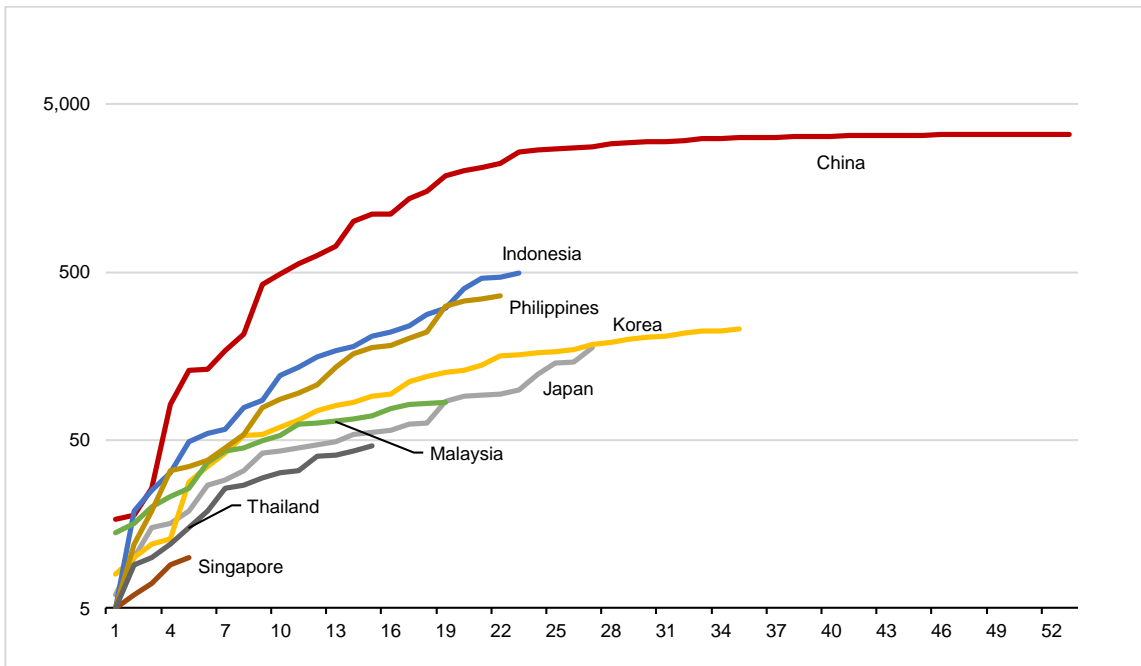
Note: As new data is recorded on business days only, Monday's data includes weekend data. For ease of comparison, the data here shows the 3-day Saturday-Monday average, which can thus explain non-integer values.

Figure 3. ASEAN+3: Confirmed Cases
(Number of business days after 100th confirmed case; cases in log scale)



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

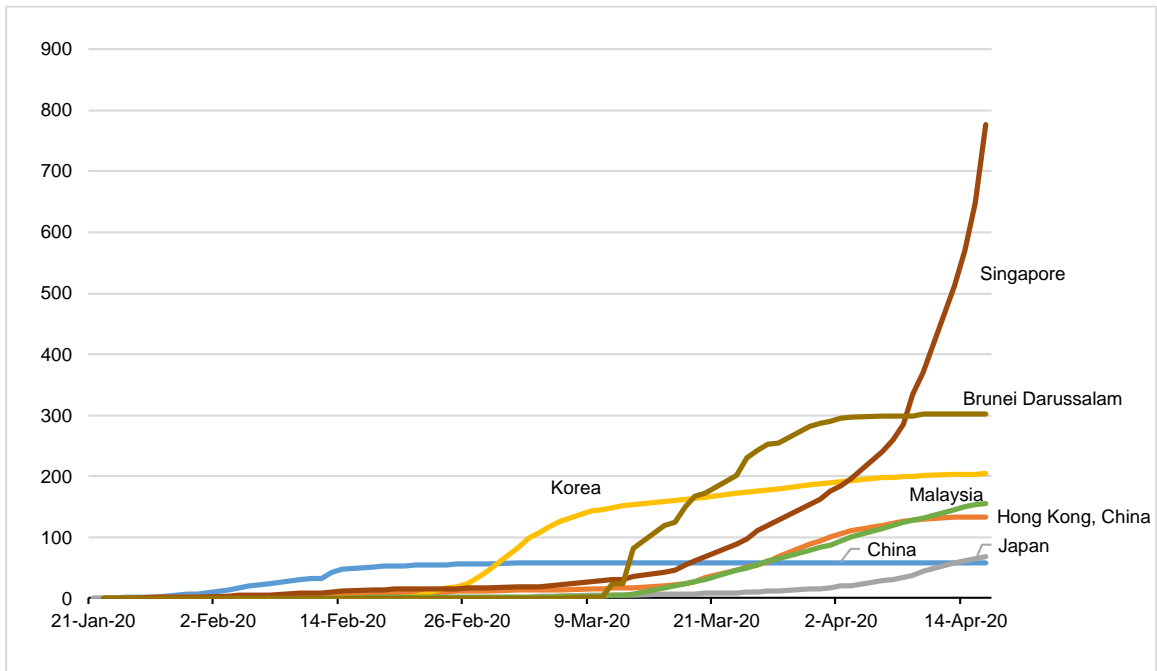
Figure 4. ASEAN+3: Confirmed Deaths
(Number of business days after 5th confirmed case; cases in log scale)



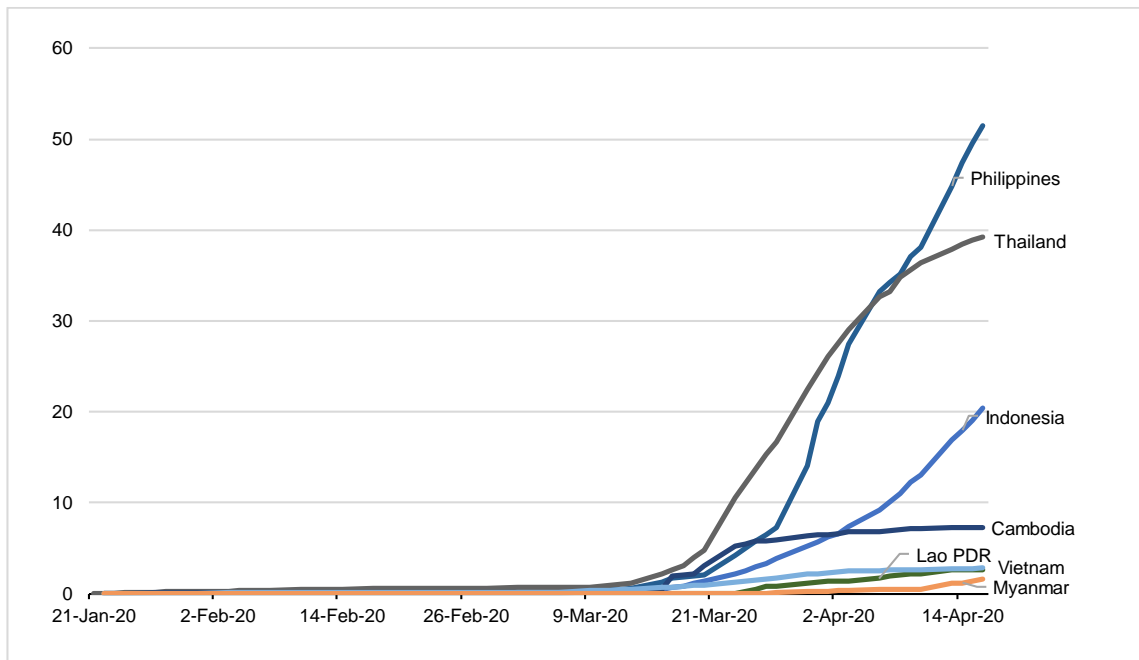
Sources: Haver Analytics, sourced from John Hopkins University; and AMRO staff calculations.

Figure 5. Selected ASEAN+3 Economies: Confirmed Cases

Per million population above 55

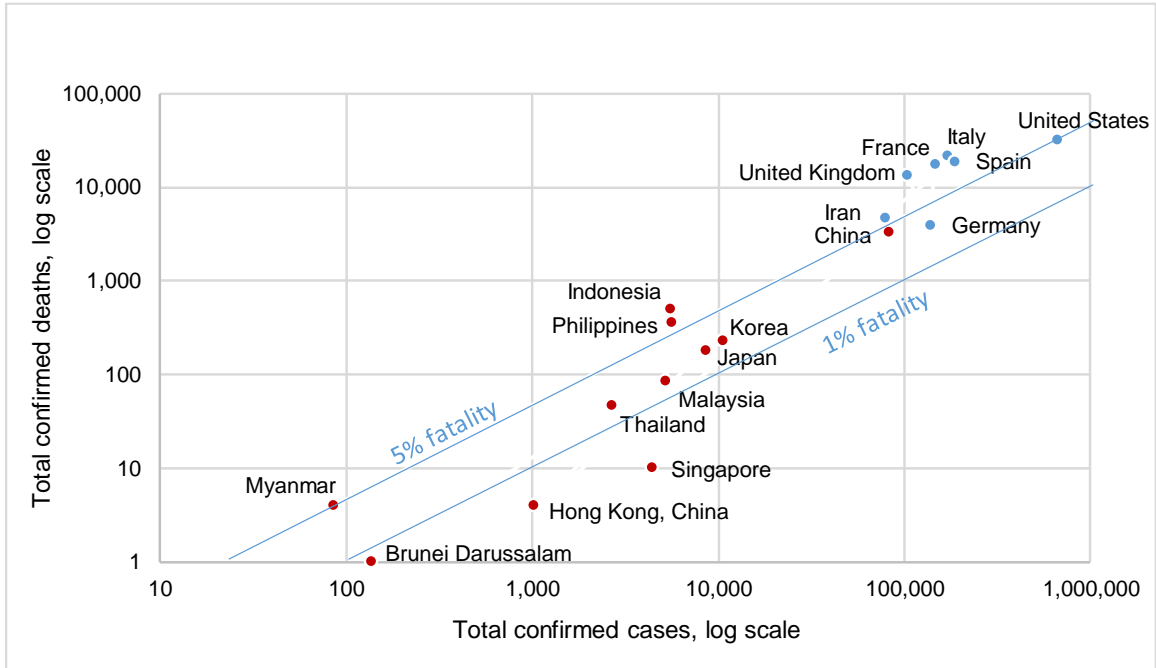


Per million population below 55



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

Figure 6. Selected Economies: Confirmed Cases vs. Confirmed Deaths



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

Table 1. Comparison of Past Epidemics with the COVID-19

Virus	Main countries affected	Outbreak dates	Worldwide cases	Deaths	Fatality (in %)*	Mortality per 100,000**	R ₀ ***	Median [max] incubation period (in days)	Human-to-human transmission	Survival on dry surfaces***
SARS coronavirus	China; Hong Kong	2002/03	8,096	774	9.6	0.03	0.4 - 3.5	4-5 [14]	Symptomatic transmission	2 days
Avian flu H5N1	Egypt; Indonesia	2003-15	846 [^]	449	53.1	0.15	2.0 - 2.7	2-5 [17]	Unusual	1 day
Swine flu H1N1	Pandemic	2009	n/a (CDC est.: tens of millions)	18,337 ^{^^}	n/a	4.06 ^{^^}	1.4 - 1.6	2 [7]	Asymp. & symp. transmission	12 hrs
MERS coronavirus	Saudi Arabia; Korea	since 2012 ^{^^^}	2,494	858	34.4	2.42	2.0 - 5.0	5 [14]	Symp. transmission under close contact	n/a (poor survivability)
Ebola	Sierra Leone; Guinea; Liberia	2013-16	28,616	11,310	39.5	57.00	1.7 - 2.0	8-10 [21]	Symptomatic transmission	4-11 days
Zika	Brazil; Colombia	2015/16	730,448 [†]	0 [†]	0.0	0.00	3.0 - 6.6	6 [14]	Asymp. & symp. transmission	8 hrs
COVID-19 ^{††}	Pandemic	2019/20	1,013,157	52,983	5.2	-	2.0 - 2.5	est. 5-6 [14]	Asymp. & symp. transmission	2-3 days

Notes:

* Fatality rate refers to the proportion of people diagnosed with a disease who die from that disease over a certain time period.

** Mortality rate here refers to the number of deaths per 100,000 citizens for the globally most affected country (by number of cases) during a certain time period.

*** R₀ estimates the average number of persons who will catch a disease from one contagious person. Estimated ranges obtained from WHO, NCBI, and CDCs.

[^] Number of cases refers to all reported cases from 2003 to 2015.

^{^^} Total deaths is likely an underrepresentation of the actual number as many cases might have never been tested or recognized as H1N1 related.

^{^^^} Main episodes took place between 2014-15.

[†] Number of cases refers to the Americas in 2015 and 2016. Number of deaths does not take into account fetal loss or stillbirth.

^{††} As of April 2, 2020.

^{†††} Estimated survival of virus on dry surfaces at room temperature. Obtained from WHO, Science Daily, Live Science, CIDRAP.

Sources: WHO, CDC, PAHO, NCBI, IMF WEO, CIDRAP, NEJM, Science Daily, Live Science, ScienceAlert; AMRO staff calculations