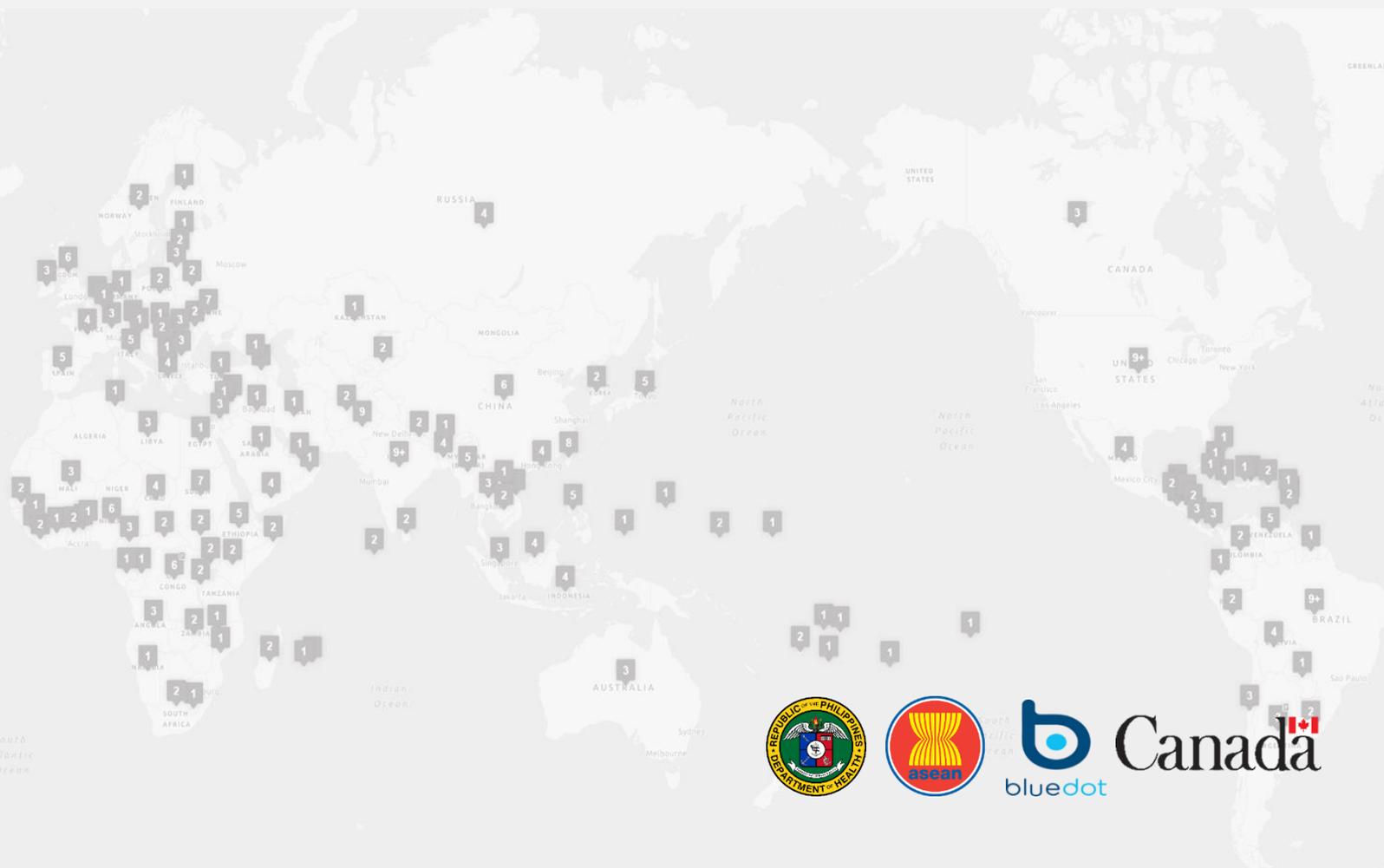# Risk Assessment for International Dissemination of COVID-19 to the ASEAN Region

ASEAN Biodiaspora Virtual Center (ABVC)

as of June 12, 2020 (2:00 PM GMT+8)

# COVID-19: Highlights and Situation Overview

- Worldwide, there have been over 7,500,000 million cases, and over 420,000 deaths attributed to COVID-19. While the number of cases in Africa accounts for only 3% of the global total, the region has seen a doubling of cases in less than 20 days. Furthermore, the WHO has warned about the limited testing capacity in the region; the actual extent of outbreaks is likely to be greater than reported case counts suggest.

- The WHO Regional Director for the Eastern Mediterranean, Dr Ahmed Al-Mandhari, has released a statement on the status of the pandemic in the Region. He warns that cases in the region have increased during the past three weeks and there is the risk cases will continue to increase as many countries ease restrictions. He reiterated that every country's best defense against COVID-19 is to find, isolate, test and care for every case and to trace and quarantine every contact.

- China is ready to work together with countries of the Association of Southeast Asian Nations (ASEAN) in the research and development of vaccines for the COVID-19 according to the Chinese Ambassador during his virtual press conference with the ASEAN on June 11. The two sides have had a number of anti-pandemic cooperation since the outbreak of the COVID-19 in the region, pushing for regional consensus on a stronger collective response and in the meantime, strengthening trade ties between the two sides. The ambassador said that in China, vaccines were currently being developed in five categories -- inactivated vaccines, recombinant protein vaccines, live attenuated influenza vaccines, adenovirus vaccines, and nucleic acid-based vaccines. To date, four inactivated vaccines and one adenovirus vaccine have been approved for clinical trials

- The number of daily recorded COVID-19 cases in Indonesia has continued to increase in the past five days as the government eases large-scale social restrictions (PSBB). The Health Ministry's Disease Control and Prevention Director-General said that East Java had recorded the highest increase at the provincial level, followed by South Sulawesi, Jakarta, Central Java and South Kalimantan. As of June 11, the total number of cases across the country have reached more than 35,000.

- Thailand government announced that it will consider a plan to reopen more businesses and establishments as early as June 15. A draft of the plan currently includes schools, alcohol sales in dine-in restaurants, concerts with seating arrangements, amusement parks and playgrounds, and outdoor sports facilities. As of June 11, Thailand reported no new COVID-19 case/s or death/s, maintaining the total of 3,125 confirmed cases and 58 fatalities. It was the first time in nearly three weeks that no cases were reported and the 17th day without a local transmission.

- Brunei reported no new COVID-19 case/s for 36 consecutive days since May 7.

- Cambodia reported no new COVID-19 case/s for 4 consecutive days since June 8.

- Laos reported no new COVID-19 case/s for 61 consecutive days since April 12.

- Today (June 12), South Korea/s Health Minister announced that it will extend its prevention and sanitation guidelines against COVID-19 until daily new infections drop to single digits. The announcement came as cases persist in the mid-double digits following a series of new clusters in some area in Seoul with 56 new cases on Thursday taking the national tally to 12,003, and 277 deaths.

He added that tough social distancing rules will be considered if 50 daily infections persist for more than two weeks, depending on the number of new outbreak clusters.

- As of June 11, mainland China reported seven new confirmed COVID-19 cases and one asymptomatic case. The National Health Commission said in a statement on Friday (June 12) that six of the new confirmed patients reported were imported cases involving travellers from overseas.

## Travel Advisories (new update/s)

- Malaysia: Malaysia's Senior Minister for Security announced on June 11 that public transport services, including buses, ferries, trains and planes, can now resume operating at full capacity with no limit on their operating hours. Transport operators and passengers have to comply with strict safety protocols, including the wearing of face masks, using tracking apps and conducting temperature checks.
- Singapore: Land Transport Authority (LTA) announced on June 11 that the validity period of vehicle entry permits (VEPs) for Malaysia-registered vehicles will be further extended until the end of September. The move was first announced for the benefit of Malaysian workers who had chosen to remain in Singapore after the movement control order across the Causeway was announced. In addition, passengers flying through Changi Airport will be directed to new transit holding areas in Terminals 1 and 3 according to Changi Airport Group (CAG) on June 11. This is to provide "a safe environment for all passengers and airport workers". CAG said that the holding areas will be disinfected regularly and temperature taking will be conducted at the entrances. Transit passengers with a high temperature or who appear or feel unwell will be given medical attention.
- Thailand: Thai Airways International will resume international flights on 37 routes starting August 1 (one month later than originally planned). The national flag carrier plans resumption of services on 26 routes, including to and from Paris, New Delhi, Guangzhou and Frankfurt. On August 2, services will resume on the Beijing, Brisbane and Brussels routes, followed by those to Auckland and Jakarta the following day. Resumption of flights to Milan, Rome, Moscow, Vienna, Stockholm, Sapporo, Fukuoka, Sendai, Kathmandu, Oslo and Colombo are yet to be announced. Meanwhile, Lion Air will resume operations of all domestic routes on June 19. In addition, the State Railway of Thailand (SRT) on Thursday (June 11) allowed all train services on all routes to resume service. Railway officials have enforced health screening rules and contact tracing tools in compliance with a COVID-19 taskforce guideline both on the trains and inside the stations.

## *Cases and Deaths as of 12 June 2020*

- As of June 12 (2PM, GMT+8), worldwide, there were **7,484,229** confirmed cases, including **420,873** deaths. Globally, Case Fatality Ratio (CFR)* is **5.62.**
- In **China**, there were **84,652** confirmed cases with **4,645** deaths, including deaths in Hong Kong (4) and Taiwan (7). Confirmed cases in China include confirmed cases in Hong Kong (1,107), Macau (45), and Taiwan (443).
- **7,399,577 confirmed cases** of COVID-19 have been reported in **212 countries/states** (other than China, Hong Kong, Taiwan and Macau):

| REGION | COUNTRY | FIRST CONFIRMED CASE(S) | LATEST REPORT ON CONFIRMED CASE(S) | CONFIRMED CASES/ (Deaths) | CASE FATALITY RATIO* |
|---|---|---|---|---|---|
| ASIA PACIFIC | Thailand*** | 13 Jan 2020 | 10 Jun 2020 | 3,125 (58) | 1.86 |
| | Vietnam | 23 Jan 2020 | 08 Jun 2020 | 332 | |
| | Singapore | 23 Jan 2020 | 11 Jun 2020 | 39,387 (25) | 0.06 |
| | Malaysia | 25 Jan 2020 | 11 Jun 2020 | 8,369 (118) | 1.41 |
| | Cambodia | 27 Jan 2020 | 08 Jun 2020 | 126 | |
| | Philippines*** | 30 Jan 2020 | 11 Jun 2020 | 24,175 (1,036) | 4.29 |
| | Indonesia | 02 Mar 2020 | 10 Jun 2020 | 35,295 (2,000) | 5.67 |
| | Brunei | 10 Mar 2020 | 07 May 2020**** | 141 (2) | 1.42 |
| | Myanmar | 23 Mar 2020 | 11 Jun 2020 | 260 (6) | 2.31 |
| | Lao PDR | 24 Mar 2020 | 13 Apr 2020 | 19 | |
| | Japan | 16 Jan 2020 | 11 Jun 2020 | 17,251 (919) | 5.33 |
| | South Korea** | 20 Jan 2020 | 11 Jun 2020 | 11,947 (276) | 2.31 |
| | Nepal | 24 Jan 2020 | 11 Jun 2020 | 4,614 (15) | 0.33 |
| | Australia | 25 Jan 2020 | 11 Jun 2020 | 7,285 (102) | 1.40 |
| | Sri Lanka | 27 Jan 2020 | 11 Jun 2020 | 1,873 (11) | 0.59 |
| | India | 30 Jan 2020 | 11 Jun 2020 | 297,832 (8,498) | 2.85 |
| | Afghanistan | 24 Feb 2020 | 11 Jun 2020 | 22,890 (426) | 1.86 |
| | Pakistan | 26 Feb 2020 | 11 Jun 2020 | 119,536 (2,356) | 1.97 |
| | New Zealand | 28 Feb 2020 | 23 May 2020 | 1,504 (22) | 1.46 |
| | Bhutan | 05 Mar 2020 | 11 Jun 2020 | 62 | |
| | Maldives | 07 Mar 2020 | 11 Jun 2020 | 1,962 (8) | 0.41 |
| | Bangladesh*** | 08 Mar 2020 | 11 Jun 2020 | 78,052 (1,049) | 1.34 |
| | Mongolia | 10 Mar 2020 | 08 Jun 2020 | 194 | |
| | Turkey | 10 Mar 2020 | 11 Jun 2020 | 173,036 (4,746) | 2.74 |
| | French Polynesia | 12 Mar 2020 | 06 May 2020 | 60 | |
| | Guam | 15 Mar 2020 | 11 Jun 2020 | 182 (5) | 2.75 |
| | New Caledonia | 17 Mar 2020 | 10 Jun 2020 | 21 | |
| | Fiji | 18 Mar 2020 | 20 Apr 2020 | 18 | |
| | Papua New Guinea | 21 Mar 2020 | 22 Apr 2020 | 8 | |
| | Timor Leste | 21 Mar 2020 | 25 Apr 2020 | 24 | |
| | Northern Mariana Islands | 28 Mar 2020 | 09 Jun 2020 | 30 (2) | 6.67 |
| AMERICAS | USA | 21 Jan 2020 | 11 Jun 2020 | 2,082,607 (115,811) | 5.56 |
| | Canada | 25 Jan 2020 | 11 Jun 2020 | 97,474 (8,045) | 8.25 |
| | Brazil | 26 Feb 2020 | 11 Jun 2020 | 775,581 (39,803) | 5.13 |
| | Mexico*** | 28 Feb 2020 | 11 Jun 2020 | 129,184 (15,357) | 11.89 |
| | Saint Martin | 01 Mar 2020 | 30 May 2020 | 41 (3) | 7.32 |
| | Ecuador*** | 01 Mar 2020 | 10 Jun 2020 | 44,440 (3,720) | 8.37 |
| | Dominican Republic | 01 Mar 2020 | 11 Jun 2020 | 21,437 (561) | 2.62 |

| | | | | |
|---|---|---|---|---|
| **Chile*** | 03 Mar 2020 | 11 Jun 2020 | 154,092 (2,468) | 1.60 |
| **Argentina** | 03 Mar 2020 | 11 Jun 2020 | 25,987 (735) | 2.83 |
| **Peru** | 05 Mar 2020 | 11 Jun 2020 | 208,823 (5,903) | 2.83 |
| **Costa Rica** | 06 Mar 2020 | 11 Jun 2020 | 1,461 (12) | 0.82 |
| **Colombia*** | 06 Mar 2020 | 11 Jun 2020 | 43,682 (1,433) | 3.28 |
| **French Guiana** | 06 Mar 2020 | 11 Jun 2020 | 917 (2) | 0.22 |
| **Martinique** | 06 Mar 2020 | 06 Jun 2020 | 202 (14) | 6.93 |
| **Paraguay** | 07 Mar 2020 | 11 Jun 2020 | 1,202 (11) | 0.92 |
| **Panama** | 10 Mar 2020 | 11 Jun 2020 | 17,889 (413) | 2.31 |
| **Bolivia*** | 10 Mar 2020 | 11 Jun 2020 | 15,281 (512) | 3.35 |
| **Honduras** | 11 Mar 2020 | 11 Jun 2020 | 7,360 (290) | 3.94 |
| **Cuba** | 11 Mar 2020 | 11 Jun 2020 | 2,219 (84) | 3.79 |
| **Guyana** | 11 Mar 2020 | 10 Jun 2020 | 156 (12) | 7.69 |
| **Jamaica** | 12 Mar 2020 | 10 Jun 2020 | 605 (10) | 1.65 |
| **St Vincent and the Grenadines** | 12 Mar 2020 | 08 Jun 2020 | 27 | |
| **Saint Lucia** | 13 Mar 2020 | 06 May 2020 | 19 | |
| **Trinidad and Tobago** | 13 Mar 2020 | 31 May 2020 | 117 (8) | 6.84 |
| **Venezuela*** | 13 Mar 2020 | 11 Jun 2020 | 2,738 (23) | 0.84 |
| **Guatemala** | 13 Mar 2020 | 11 Jun 2020 | 8,221 (316) | 3.84 |
| **Uruguay** | 13 Mar 2020 | 11 Jun 2020 | 847 (23) | 2.72 |
| **Curacao** | 13 Mar 2020 | 11 Jun 2020 | 22 (1) | 4.55 |
| **Puerto Rico** | 13 Mar 2020 | 11 Jun 2020 | 5,352 (144) | 2.69 |
| **Suriname** | 13 Mar 2020 | 11 Jun 2020 | 144 (2) | 1.39 |
| **Antigua and Barbuda** | 13 Mar 2020 | 01 Jun 2020 | 26 (3) | 11.54 |
| **Guadeloupe** | 13 Mar 2020 | 06 Jun 2020 | 164 (14) | 8.54 |
| **Cayman Islands** | 13 Mar 2020 | 11 Jun 2020 | 180 (1) | 0.56 |
| **Aruba** | 14 Mar 2020 | 13 May 2020 | 101 (3) | 2.97 |
| **Bahamas** | 15 Mar 2020 | 08 Jun 2020 | 103 (11) | 10.68 |
| **US Virgin Islands** | 16 Mar 2020 | 11 Jun 2020 | 72 (6) | 8.33 |
| **Sint Maarten** | 17 Mar 2020 | 17 May 2020 | 77 (15) | 19.48 |
| **Montserrat** | 17 Mar 2020 | 25 Apr 2020 | 11 (1) | 9.09 |
| **Barbados** | 17 Mar 2020 | 11 Jun 2020 | 96 (7) | 7.29 |
| **El Salvador** | 18 Mar 2020 | 11 Jun 2020 | 3,373 (64) | 1.90 |
| **Nicaragua** | 18 Mar 2020 | 10 Jun 2020 | 1,464 (55) | 3.76 |
| **Bermuda** | 18 Mar 2020 | 02 Jun 2020 | 141 (9) | 6.38 |
| **Haiti** | 19 Mar 2020 | 11 Jun 2020 | 3,796 (58) | 1.53 |
| **Dominica** | 22 Mar 2020 | 02 Jun 2020 | 18 | |
| **Grenada** | 22 Mar 2020 | 26 May 2020 | 23 | |
| **Belize** | 23 Mar 2020 | 10 Jun 2020 | 20 (2) | 10.00 |
| **Turks and Caicos Islands** | 23 Mar 2020 | 28 Apr 2020 | 12 (1) | 8.33 |
| **Saint Kitts and Nevis** | 24 Mar 2020 | 20 Apr 2020 | 15 | |
| **British Virgin Islands** | 25 Mar 2020 | 15 May 2020 | 8 (1) | 12.50 |

| | | | | | |
|---|---|---|---|---|---|
| | Anguilla | 26 Mar 2020 | 03 Apr 2020 | 3 | |
| | Caribbean Netherlands | 01 Apr 2020 | 01 Jun 2020 | 7 | |
| | Falkland Islands | 03 Apr 2020 | 24 Apr 2020 | 13 | |
| | Saint Pierre and Miquelon | 05 Apr 2020 | 05 Apr 2020 | 1 | |
| *EUROPE* | France | 24 Jan 2020 | 11 Jun 2020 | 155,561 (29,346) | 18.86 |
| | Germany | 27 Jan 2020 | 11 Jun 2020 | 186,695 (8,550)** | 4.58 |
| | Finland | 29 Jan 2020 | 11 Jun 2020 | 7,064 (325) | 4.60 |
| | Italy | 30 Jan 2020 | 11 Jun 2020 | 236,142 (34,167) | 14.47 |
| | Russian Federation | 31 Jan 2020 | 11 Jun 2020 | 502,436 (6,532) | 1.30 |
| | Spain | 31 Jan 2020 | 11 Jun 2020 | 242,707 (27,136) | 11.18 |
| | Sweden*** | 31 Jan 2020 | 11 Jun 2020 | 48,288 (4,814) | 9.97 |
| | United Kingdom of Great Britain | 31 Jan 2020 | 11 Jun 2020 | 291,409 (41,279) | 14.17 |
| | Belgium | 05 Feb 2020 | 11 Jun 2020 | 59,711 (9,636) | 16.14 |
| | Switzerland*** | 25 Feb 2020 | 11 Jun 2020 | 31,044 (1,937) | 6.24 |
| | Austria | 25 Feb 2020 | 11 Jun 2020 | 17,034 (674) | 3.96 |
| | Croatia | 25 Feb 2020 | 10 Jun 2020 | 2,249 (106) | 4.71 |
| | Norway | 26 Feb 2020 | 11 Jun 2020 | 8,600 (242) | 2.81 |
| | Romania | 26 Feb 2020 | 11 Jun 2020 | 21,182 (1,369) | 6.46 |
| | Estonia | 26 Feb 2020 | 11 Jun 2020 | 1,965 (69) | 3.51 |
| | Georgia | 26 Feb 2020 | 11 Jun 2020 | 831(13) | 1.56 |
| | North Macedonia | 26 Feb 2020 | 11 Jun 2020 | 3,538 (169) | 4.78 |
| | Greece | 26 Feb 2020 | 11 Jun 2020 | 3,068 (183) | 5.96 |
| | Denmark*** | 27 Feb 2020 | 11 Jun 2020 | 12,035 (593) | 4.93 |
| | San Marino | 27 Feb 2020 | 10 Jun 2020 | 691 (42) | 6.08 |
| | Lithuania | 27 Feb 2020 | 11 Jun 2020 | 1,752 (74) | 4.22 |
| | Netherlands | 27 Feb 2020 | 11 Jun 2020 | 48,251 (6,044) | 12.53 |
| | Azerbaijan | 27 Feb 2020 | 11 Jun 2020 | 8,530 (102) | 1.20 |
| | Belarus | 28 Feb 2020 | 11 Jun 2020 | 51,816 (293) | 0.57 |
| | Iceland | 28 Feb 2020 | 07 Jun 2020 | 1,807 (10) | 0.55 |
| | Ireland | 28 Feb 2020 | 11 Jun 2020 | 25,231 (1,695) | 6.72 |
| | Monaco | 29 Feb 2020 | 31 May 2020 | 99 (4) | 4.04 |
| | Czech Republic | 01 Mar 2020 | 11 Jun 2020 | 9,826 (328) | 3.34 |
| | Luxembourg | 01 Mar 2020 | 11 Jun 2020 | 4,049 (110) | 2.72 |
| | Armenia | 01 Mar 2020 | 11 Jun 2020 | 14,469 (245) | 1.69 |
| | Latvia | 02 Mar 2020 | 11 Jun 2020 | 1,094 (26) | 2.38 |
| | Portugal | 02 Mar 2020 | 11 Jun 2020 | 35,910 (1,504) | 4.19 |
| | Andorra | 02 Mar 2020 | 05 Jun 2020 | 852 (51) | 5.99 |
| | Liechtenstein | 03 Mar 2020 | 27 Apr 2020 | 82 (1) | 1.22 |
| | Ukraine | 03 Mar 2020 | 11 Jun 2020 | 29,070 (854) | 2.94 |
| | Slovenia | 04 Mar 2020 | 10 Jun 2020 | 1,488 (109) | 7.33 |
| | Hungary | 04 Mar 2020 | 10 Jun 2020 | 4,039 (553) | 13.69 |
| | Poland | 04 Mar 2020 | 11 Jun 2020 | 28,201 (1,215) | 4.31 |

| | | | | | |
|---|---|---|---|---|---|
| | **Faroe Islands** | 04 Mar 2020 | 23 Apr 2020 | 187 | |
| | **Bosnia and Herzegovina** | 05 Mar 2020 | 10 Jun 2020 | 2,775 (161) | 5.80 |
| | **Gibraltar** | 05 Mar 2020 | 07 Jun 2020 | 176 | |
| | **Slovakia** | 06 Mar 2020 | 11 Jun 2020 | 1,541 (28) | 1.82 |
| | **Serbia** | 06 Mar 2020 | 11 Jun 2020 | 12,102 (252) | 2.08 |
| | **Vatican City** | 06 Mar 2020 | 08 May 2020 | 12 | |
| | **Malta** | 07 Mar 2020 | 11 Jun 2020 | 640 (9) | 1.41 |
| | **Moldova** | 07 Mar 2020 | 11 Jun 2020 | 10,727 (375) | 3.50 |
| | **Bulgaria** | 08 Mar 2020 | 11 Jun 2020 | 2,993 (167) | 5.58 |
| | **Albania** | 09 Mar 2020 | 11 Jun 2020 | 1,385 (35) | 2.53 |
| | **Cyprus** | 09 Mar 2020 | 11 Jun 2020 | 974 (18) | 1.85 |
| | **Channel Islands** | 09 Mar 2020 | 10 Jun 2020 | 565 (48) | 8.50 |
| | **Jersey** | 10 Mar 2020 | 10 Jun 2020 | 313 (30) | 9.58 |
| | **Kazakhstan** | 13 Mar 2020 | 11 Jun 2020 | 13,558 (67) | 0.49 |
| | **Kosovo** | 13 Mar 2020 | 11 Jun 2020 | 1,298 (31) | 2.39 |
| | **Uzbekistan** | 15 Mar 2020 | 11 Jun 2020 | 4,717 (19) | 0.40 |
| | **Greenland** | 16 Mar 2020 | 27 May 2020 | 13 | |
| | **Montenegro** | 17 Mar 2020 | 10 May 2020 | 324 (9) | 2.78 |
| | **Kyrgyztan** | 18 Mar 2020 | 11 Jun 2020 | 2,129 (26) | 1.22 |
| | **Isle of Man** | 19 Mar 2020 | 21 May 2020 | 336 (24) | 7.14 |
| | **Tajikistan** | 30 Apr 2020 | 11 Jun 2020 | 4,763 (48) | 1.01 |
| *MIDDLE EAST* | **UAE** | 29 Jan 2020 | 11 Jun 2020 | 40,986 (286) | 0.70 |
| | **Iran** | 19 Feb 2020 | 11 Jun 2020 | 180,156 (8,584) | 4.76 |
| | **Israel** | 21 Feb 2020 | 11 Jun 2020 | 18,461 (300) | 1.63 |
| | **Lebanon** | 21 Feb 2020 | 11 Jun 2020 | 1,402 (31) | 2.21 |
| | **Kuwait** | 24 Feb 2020 | 11 Jun 2020 | 34,432 (279) | 0.81 |
| | **Oman** | 24 Feb 2020 | 10 Jun 2020 | 19,954 (89) | 0.45 |
| | **Bahrain** | 24 Feb 2020 | 10 Jun 2020 | 16,200 (30) | 0.19 |
| | **Iraq** | 24 Feb 2020 | 10 Jun 2020 | 15,414 (426) | 2.76 |
| | **Qatar** | 29 Feb 2020 | 10 Jun 2020 | 73,595 (66) | 0.09 |
| | **Saudi Arabia** | 02 Mar 2020 | 11 Jun 2020 | 116,021 (857) | 0.74 |
| | **Jordan** | 02 Mar 2020 | 11 Jun 2020 | 863 (9) | 1.04 |
| | **Palestine** | 05 Mar 2020 | 11 Jun 2020 | 665 (5) | 0.75 |
| | **Syria** | 22 Mar 2020 | 11 Jun 2020 | 152 (6) | 3.95 |
| | **Yemen** | 10 Apr 2020 | 11 Jun 2020 | 560 (129) | 23.04 |
| *AFRICA* | **Egypt** | 14 Feb 2020 | 11 Jun 2020 | 38,284 (1,342) | 3.51 |
| | **Algeria** | 25 Feb 2020 | 11 Jun 2020 | 10,589 (741) | 7.00 |
| | **Nigeria** | 28 Feb 2020 | 11 Jun 2020 | 13,873 (382) | 2.75 |
| | **Tunisia** | 02 Mar 2020 | 03 Jun 2020 | 1,087 (49) | 4.51 |
| | **Morocco** | 02 Mar 2020 | 11 Jun 2020 | 8,533 (211) | 2.47 |
| | **Senegal** | 02 Mar 2020 | 11 Jun 2020 | 4,759 (55) | 1.16 |
| | **South Africa** | 05 Mar 2020 | 11 Jun 2020 | 55,421 (1,210) | 2.18 |
| | **Cameroon** | 06 Mar 2020 | 10 Jun 2020 | 8,681 (212) | 2.44 |
| | **Togo** | 06 Mar 2020 | 11 Jun 2020 | 509 (13) | 2.55 |
| | **Burkina Faso** | 09 Mar 2020 | 10 Jun 2020 | 891 (53) | 5.95 |
| | **Democratic Republic of Congo** | 10 Mar 2020 | 11 Jun 2020 | 4,515 (98) | 2.17 |
| | **Ivory Coast** | 11 Mar 2020 | 11 Jun 2020 | 4,181 (41) | 0.98 |
| | **Reunion** | 11 Mar 2020 | 10 Jun 2020 | 486 (1) | 0.21 |
| | **Ghana** | 13 Mar 2020 | 11 Jun 2020 | 10,358 (48) | 0.46 |
| | **Guinea** | 13 Mar 2020 | 10 Jun 2020 | 4,258 (23) | 0.54 |

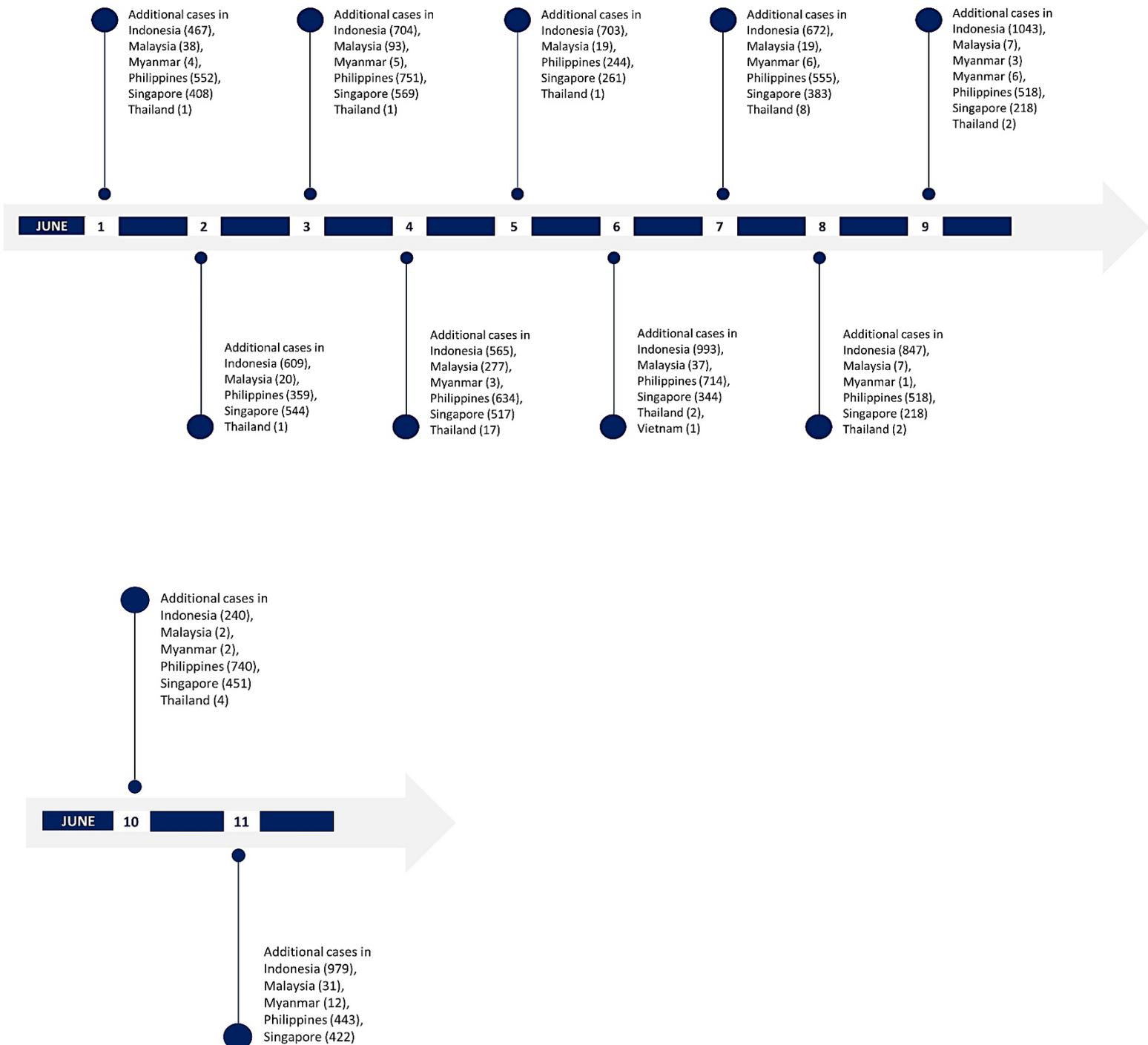| | | | | |
|---|---|---|---|---|
| **Gabon** | 13 Mar 2020 | 11 Jun 2020 | 3,375 (22) | 0.65 |
| **Sudan** | 13 Mar 2020 | 11 Jun 2020 | 6,582 (401) | 6.09 |
| **Kenya** | 13 Mar 2020 | 10 Jun 2020 | 3,094 (89) | 2.88 |
| **Ethiopia** | 13 Mar 2020 | 11 Jun 2020 | 2,670 (40) | 1.50 |
| **Central African Republic** | 14 Mar 2020 | 11 Jun 2020 | 1,952 (5) | 0.26 |
| **Seychelles** | 14 Mar 2020 | 06 Apr 2020 | 11 | |
| **Rwanda** | 14 Mar 2020 | 11 Jun 2020 | 476 (2) | 0.42 |
| **Namibia** | 14 Mar 2020 | 08 Jun 2020 | 31 | |
| **Swaziland** | 14 Mar 2020 | 11 Jun 2020 | 449 (3) | 0.67 |
| **Mauritania** | 14 Mar 2020 | 11 Jun 2020 | 1,283 (71) | 5.53 |
| **Mayotte** | 14 Mar 2020 | 10 Jun 2020 | 2,226 (28) | 1.26 |
| **Equatorial Guinea** | 15 Mar 2020 | 29 May 2020 | 1,306 (12) | 0.92 |
| **Republic of Congo** | 15 Mar 2020 | 10 Jun 2020 | 728 (24) | 3.30 |
| **Benin** | 16 Mar 2020 | 09 Jun 2020 | 305 (4) | 1.31 |
| **Liberia** | 16 Mar 2020 | 11 Jun 2020 | 410 (31) | 7.56 |
| **Tanzania** | 16 Mar 2020 | 15 May 2020 | 509 (21) | 4.13 |
| **Somalia** | 16 Mar 2020 | 11 Jun 2020 | 2,513 (85) | 3.38 |
| **Gambia** | 17 Mar 2020 | 09 Jun 2020 | 28 (1) | 3.57 |
| **Zambia** | 17 Mar 2020 | 09 Jun 2020 | 1,200 (10) | 0.83 |
| **Mauritius** | 18 Mar 2020 | 05 Jun 2020 | 337 (10) | 2.97 |
| **Djibouti** | 18 Mar 2020 | 11 Jun 2020 | 4,398 (37) | 0.84 |
| **Niger** | 19 Mar 2020 | 10 Jun 2020 | 974 (65) | 6.67 |
| **Chad** | 19 Mar 2020 | 11 Jun 2020 | 846 (72) | 8.51 |
| **Zimbabwe** | 20 Mar 2020 | 11 Jun 2020 | 320 (4) | 1.25 |
| **Cape Verde** | 20 Mar 2020 | 11 Jun 2020 | 616 (5) | 0.81 |
| **Madagascar** | 20 Mar 2020 | 11 Jun 2020 | 1,203 (10) | 0.83 |
| **Uganda** | 21 Mar 2020 | 11 Jun 2020 | 679 | |
| **Eritrea** | 21 Mar 2020 | 11 Jun 2020 | 41 | |
| **Angola** | 21 Mar 2020 | 11 Jun 2020 | 113 (4) | 3.54 |
| **Mozambique** | 22 Mar 2020 | 11 Jun 2020 | 489 (2) | 0.41 |
| **Libya** | 24 Mar 2020 | 11 Jun 2020 | 378 (5) | 1.32 |
| **Guinea-Bissau** | 25 Mar 2020 | 09 Jun 2020 | 1,389 (12) | 0.86 |
| **Mali** | 25 Mar 2020 | 10 Jun 2020 | 1,667 (96) | 5.76 |
| **Botswana** | 30 Mar 2020 | 11 Jun 2020 | 48 (1) | 2.08 |
| **Sierra Leone** | 31 Mar 2020 | 11 Jun 2020 | 1,062 (50) | 4.71 |
| **Burundi** | 31 Mar 2020 | 07 Jun 2020 | 83 (1) | 1.20 |
| **Malawi** | 02 Apr 2020 | 10 Jun 2020 | 455 (4) | 0.88 |
| **South Sudan** | 05 Apr 2020 | 08 Jun 2020 | 1,604 (19) | 1.18 |
| **Sao Tome and Principe** | 06 Apr 2020 | 11 Jun 2020 | 632 (12) | 1.90 |
| **Lesotho** | 13 May 2020 | 03 Jun 2020 | 4 | |
| | | | **7,399,577 (416,228)** | |

*The calculated CFR is based on reported deaths and reported case counts, and does not account for recovered cases over time or rate of testing in a particular region.*

*\*\*Adjusted case counts*

*\*\*\*The most up to date data are from May 29 (Philippines), June 4 (Bolivia, Denmark), June 5 (Thailand, Switzerland), June 7 (Netherlands), June 8 (Bangladesh, Chile, Venezuela, Russia), June 9 (Malaysia, South Korea, Mexico, Ecuador, Colombia, Sweden)*

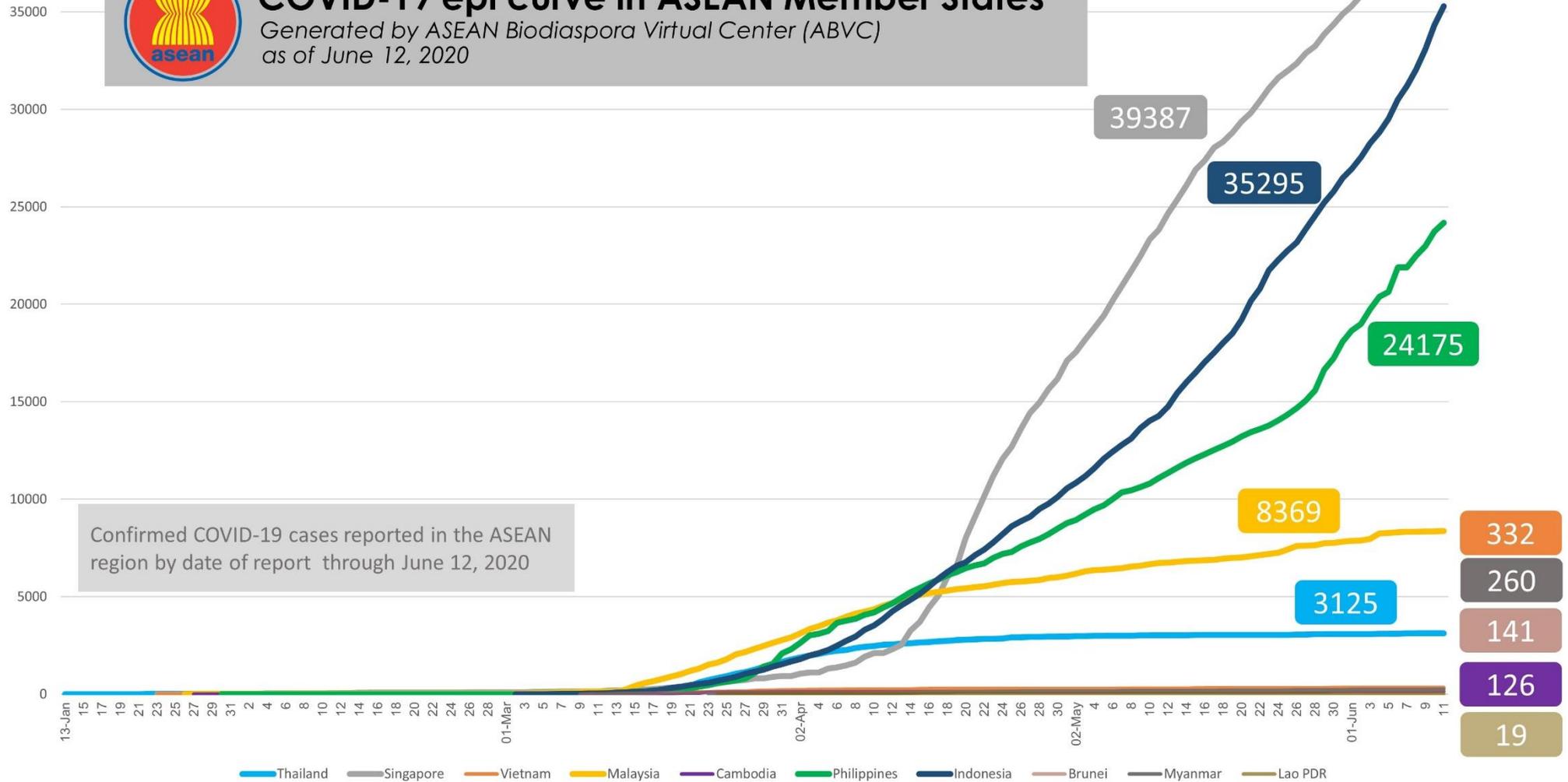*\*\*\*\*Date corrected for latest new case reported*

# Timeline of COVID-19: ASEAN *(continuation)*

Additional cases in Indonesia (467), Malaysia (38), Myanmar (4), Philippines (552), Singapore (408) Thailand (1)

Additional cases in Indonesia (704), Malaysia (93), Myanmar (5), Philippines (751), Singapore (569) Thailand (1)

Additional cases in Indonesia (703), Malaysia (19), Philippines (244), Singapore (261) Thailand (1)

Additional cases in Indonesia (672), Malaysia (19), Myanmar (6), Philippines (555), Singapore (383) Thailand (8)

Additional cases in Indonesia (1043), Malaysia (7), Myanmar (3) Myanmar (6), Philippines (518), Singapore (218) Thailand (2)

**JUNE** 1 2 3 4 5 6 7 8 9

Additional cases in Indonesia (609), Malaysia (20), Philippines (359), Singapore (544) Thailand (1)

Additional cases in Indonesia (565), Malaysia (277), Myanmar (3), Philippines (634), Singapore (517) Thailand (17)

Additional cases in Indonesia (993), Malaysia (37), Philippines (714), Singapore (344) Thailand (2), Vietnam (1)

Additional cases in Indonesia (847), Malaysia (7), Myanmar (1), Philippines (518), Singapore (218) Thailand (2)

Additional cases in Indonesia (240), Malaysia (2), Myanmar (2), Philippines (740), Singapore (451) Thailand (4)

**JUNE** 10 11

Additional cases in Indonesia (979), Malaysia (31), Myanmar (12), Philippines (443), Singapore (422)

# COVID-19 epi curve in ASEAN Member States
*Generated by ASEAN Biodiaspora Virtual Center (ABVC)*
*as of June 12, 2020*

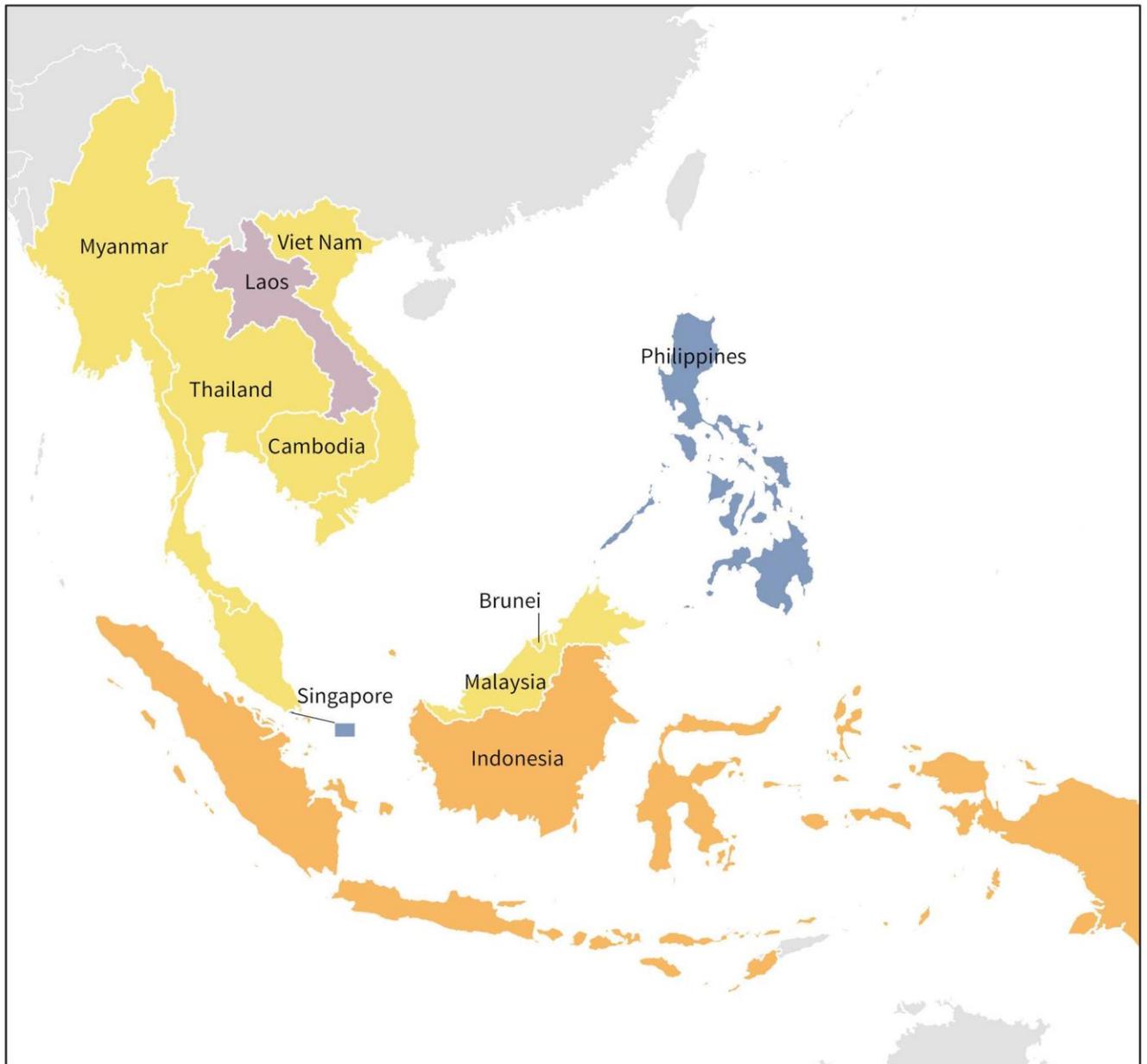Confirmed COVID-19 cases reported in the ASEAN region by date of report through June 12, 2020

39387

35295

24175

8369

3125

332

260

141

126

19

Thailand — Singapore — Vietnam — Malaysia — Cambodia — Philippines — Indonesia — Brunei — Myanmar — Lao PDR

# Transmission Category of COVID-19 Affected Countries

BlueDot has classified countries worldwide into categories based on the observed rate of COVID-19 transmission using data generated by Bluedot's global epidemic surveillance system, as of 9:00AM EST on 11 June 2020. To contextualize each country's current situation, Bluedot calculated: (1) each country's rate of change for COVID-19 case reports over 7 days, (2) case fatality ratios (CFR) for each country, (3) each country's COVID-19 case burden, per 1,000 population and (4) each country's case doubling time (in days). Bluedot also utilized the Infectious Disease Vulnerability Index as a measure of each country's public health capacity to detect, respond, and/or control a COVID-19 outbreak.

Using both the modelled rate of change and associated measures of statistical significance, Bluedot categorized countries and regions (states and provinces/territories) into one of six categories:

**A** **Countries/regions reporting <100 cases of COVID-19**
• These countries have reported <100 cases of COVID-19, a CFR ≤4%, and have a favorable IDVI suggesting adequate capacity to detect, respond, and/or control an epidemic.

**B** **Countries reporting <100 cases and a <u>slowly increasing</u> rate of COVID-19 transmission**
• These countries have reported <100 cases of COVID-19, a CFR ≤4%, and have a favorable IDVI suggesting adequate capacity to detect, respond, and/or control an epidemic.
• Interpretation: These countries may be in an early phase of the epidemic, with limited community-based transmission.

**C** **Countries reporting a <u>steadily increasing *OR* stabilizing</u> rate of COVID-19 transmission**
• These countries have reported ≥100 cases of COVID-19 and have a steadily increasing OR stabilizing rate of COVID-19 transmission (i.e. the number of new cases reported each day is consistent, or increasing at a low rate).
• Interpretation: These countries may be in an early stage of the epidemic with either steadily increasing community-based transmission, OR demonstrating early evidence of effective epidemic control measures, OR have incomplete testing/reporting.

**D** **Countries reporting a rapidly increasing rate of COVID-19 transmission**
• These countries have reported ≥100 cases of COVID-19 and have a rapidly accelerating rate of COVID-19 transmission.
• Interpretation: These countries may be in the most aggressive stages of the epidemic and are experiencing widespread community-based transmission and likely have sufficient testing capacity.

**E** **Countries reported a negative rate of COVID-19 transmission**
• These countries have reported ≥100 cases of COVID-19 and have a decelerating rate of COVID-19 transmission.
• Interpretation: These countries may be in the mid- or later stages of the epidemic, with a negative rate of transmission (i.e. fewer new cases reported each day) due to robust and effective control measures.

**F** **Countries where insufficient information is available on COVID-19 transmission**
• These countries have not reported imported or local cases of COVID-19

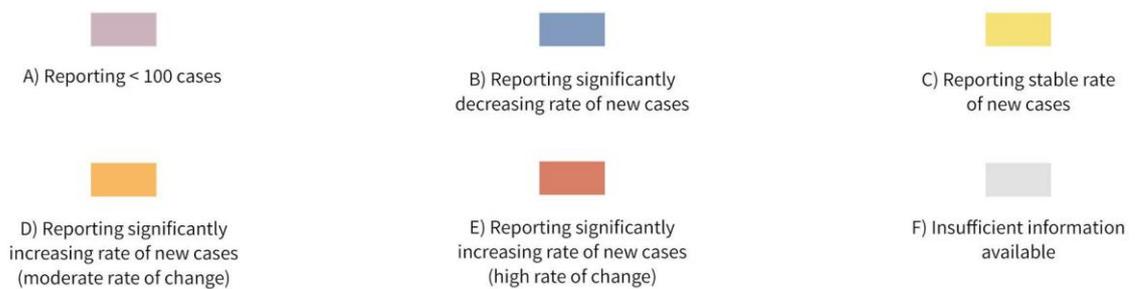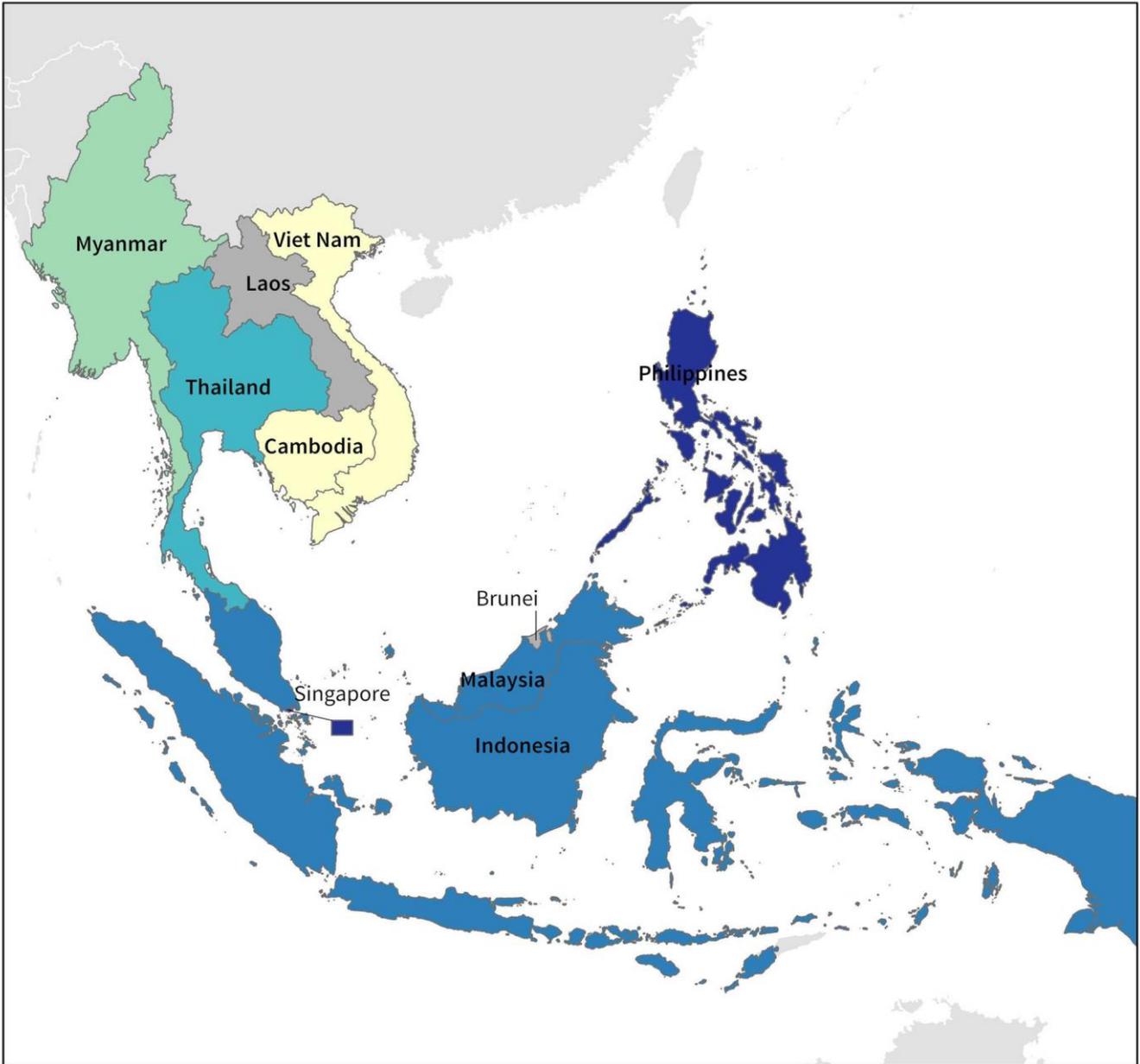**ASEAN member states categorized by rate of new COVID-19 cases**

A) Reporting < 100 cases

B) Reporting significantly decreasing rate of new cases

C) Reporting stable rate of new cases

D) Reporting significantly increasing rate of new cases (moderate rate of change)

E) Reporting significantly increasing rate of new cases (high rate of change)

F) Insufficient information available

Figure 1. ASEAN map countries categorized by rate of COVID-19 new cases

Figure 2. ASEAN map depicting the total number of COVID-19 cases reported per 1,000 population at a national level over the last 30 days. This include active cases, resolved cases, and fatalities