

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

ASEAN Biodiaspora Virtual Center (ABVC)

as of June 22, 2020 (2:00 PM GMT+8)



COVID-19: Highlights and Situation Overview

- Worldwide, there have been more than 8.9 million cases, and over 460,000 deaths attributed to COVID-19. The WHO has warned that the global spread of the virus is accelerating after a daily high of more than 150,000 cases was reported last week.
- World Health Organization (WHO) has published 'Criteria for releasing COVID-19 patients from isolation' which provides an update to previous guidance. The updated criteria reflect recent findings that patients whose symptoms have resolved may still test positive for the COVID-19 virus for many weeks. Despite this positive test result, these patients are not likely to be infectious and therefore are unlikely to be able to transmit the virus to another person. WHO also published an Emergency Global Supply Chain System (COVID-19) catalogue. This catalogue lists all medical devices, including personal protective equipment, medical equipment, medical consumables, single use devices, laboratory and test-related devices that may be requested through the COVID-19 Supply Portal.
- The WHO Regional Director for Europe, Dr Hans Henri P. Kluge, shared that the European Region accounts for 31% of COVID-19 cases and 43% of COVID-19 deaths globally. Dr Kluge highlighted that several countries continue to face increasing disease incidence and that "Preparing for the autumn is a priority now at the WHO Regional Office for Europe" (WHO Report 153).
- Chinese researchers have started a second phase human trial of a possible coronavirus vaccine, the Institute of Medical Biology at Chinese Academy of Medical Sciences (IMBCAMS) said on Sunday (June 21). IMBCAMS began on Saturday a phase-2 human test for its experimental shot, which is among six possible vaccines Chinese scientists are testing in humans, following an on-going phase-1 study that has recruited about 200 participants since May. The phase-2 trial will determine the shot's dose and continue to evaluate whether the potential vaccine can safely trigger immune responses in healthy people.
- Indonesia's COVID-19 task force inaugurates Lamongan infectious diseases center last June 18. The new infectious diseases facility, which covers 6,180 square meters, is to admit and treat COVID-19 patients from Lamongan regency as well as other regions in East Java, the new epicenter of the Indonesian outbreak. The Health Ministry announced 862 new confirmed COVID-19 cases as of June 21, bringing the total number of infections nationwide to 45,891.
- One of Philippines' representative recommended the pooled sampling strategy to increase testing capacity using existing equipment and expand it to the widest possible coverage. The pooled testing method, which puts swab samples of multiple individuals into a single polymerase chain reaction (PCR) test, would only require 100,000 kits to cover and test one million people for COVID-19. If a positive result comes from a single batch of pooled tests, further individual assessments will be made. The test is designed to be sensitive enough to come up positive when at least one sample in the batch is positive. On the other hand, if the swab test of multiple individuals comes back negative, then individual tests need not be performed.
- As part of the Phase 2 reopening, mosques in Singapore will resume congregational worship services from Friday (June 26) with online booking required due to a limit on the number of individuals permitted per session. Each mosque will offer two Friday prayer sessions, with 50 congregants per session.

As the risk of COVID-19 transmission at mosques remains high, Islamic Religious Council of Singapore (MUIS) said mosques will implement a comprehensive safe management plan for the safety of all congregants.

Travel Advisories (new update/s)

- Thailand: According to the Civil Aviation Authority of Thailand (CAAT), the ban on commercial international flights might *not* be lifted on July 1 as originally planned. CAAT said that Public Health Ministry must evaluate health safety and give the green light. Also, the "travel bubble" scheme will need to be negotiated where travel will resume progressively between Thailand and countries deemed safe from COVID-19 transmission.

Cases and Deaths as of 22 June 2020

- As of June 22 (2PM, GMT+8), worldwide, there were **8,935,187** confirmed cases, including **468,050** deaths. Globally, Case Fatality Ratio (CFR)* is **5.24**.
- In **China**, there were **85,003** confirmed cases with **4,646** deaths, including deaths in Hong Kong (5) and Taiwan (7). Confirmed cases in China include confirmed cases in Hong Kong (1,132), Macau (45), and Taiwan (445).
- **8,850,184 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	21 Jun 2020	3,148 (58)	1.84
	Vietnam	23 Jan 2020	19 Jun 2020	349	
	Singapore	23 Jan 2020	21 Jun 2020	42,095 (26)	0.06
	Malaysia	25 Jan 2020	21 Jun 2020	8,572 (121)	1.41
	Cambodia	27 Jan 2020	18 Jun 2020	129	
	Philippines	30 Jan 2020	21 Jun 2020	30,052 (1,169)	3.89
	Indonesia	02 Mar 2020	21 Jun 2020	45,891 (2,465)	5.37
	Brunei	10 Mar 2020	07 May 2020	141 (3)	2.13
	Myanmar	23 Mar 2020	21 Jun 2020	290 (6)	2.07
	Lao PDR	24 Mar 2020	13 Apr 2020	19	
	Japan	16 Jan 2020	21 Jun 2020	17,799 (952)	5.35
	South Korea	20 Jan 2020	21 Jun 2020	12,421 (280)	2.25
	Nepal	24 Jan 2020	21 Jun 2020	9,026 (23)	0.25
	Australia	25 Jan 2020	21 Jun 2020	7,461 (102)	1.37
	Sri Lanka	27 Jan 2020	19 Jun 2020	1,948 (11)	0.56
	India	30 Jan 2020	21 Jun 2020	421,765 (13,502)	3.20
	Afghanistan	24 Feb 2020	21 Jun 2020	28,833 (581)	2.02
	Pakistan	26 Feb 2020	21 Jun 2020	176,617 (3,501)	1.98
	New Zealand	28 Feb 2020	21 Jun 2020	1,511 (22)	1.46
	Bhutan	05 Mar 2020	20 Jun 2020	68	
Maldives	07 Mar 2020	21 Jun 2020	2,187 (8)	0.37	
Bangladesh	08 Mar 2020	21 Jun 2020	112,306 (1,464)	1.30	

	Mongolia	10 Mar 2020	20 Jun 2020	206	
	Turkey	10 Mar 2020	20 Jun 2020	186,493 (4,927)	2.64
	French Polynesia	12 Mar 2020	06 May 2020	60	
	Guam	15 Mar 2020	20 Jun 2020	222 (5)	2.25
	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	21 Jun 2020	2,344,053 (122,127)	5.21
	Canada	25 Jan 2020	21 Jun 2020	101,286 (8,471)	8.36
	Brazil	26 Feb 2020	21 Jun 2020	1,070,139 (50,058)	4.68
	Mexico	28 Feb 2020	21 Jun 2020	175,202 (20,781)	11.86
	Saint Martin	01 Mar 2020	13 Jun 2020	42 (3)	7.14
	Ecuador	01 Mar 2020	20 Jun 2020	49,731 (4,156)	8.36
	Dominican Republic	01 Mar 2020	21 Jun 2020	25,778 (655)	2.54
	Chile	03 Mar 2020	21 Jun 2020	236,748 (4,295)	1.81
	Argentina	03 Mar 2020	21 Jun 2020	41,204 (992)	2.41
	Peru	05 Mar 2020	21 Jun 2020	251,338 (7,861)	3.13
	Costa Rica	06 Mar 2020	21 Jun 2020	2,127 (12)	0.56
	Colombia	06 Mar 2020	21 Jun 2020	65,633 (2,126)	3.24
	French Guiana	06 Mar 2020	21 Jun 2020	2,163 (5)	0.23
	Martinique	06 Mar 2020	20 Jun 2020	236 (14)	5.93
	Paraguay	07 Mar 2020	21 Jun 2020	1,362 (13)	0.95
	Panama	10 Mar 2020	21 Jun 2020	25,222 (493)	1.95
	Bolivia	10 Mar 2020	21 Jun 2020	23,512 (740)	3.15
	Honduras	11 Mar 2020	21 Jun 2020	12,306 (358)	2.91
	Cuba	11 Mar 2020	20 Jun 2020	2,309 (85)	3.68
	Guyana	11 Mar 2020	19 Jun 2020	183 (12)	6.56
	Jamaica	12 Mar 2020	21 Jun 2020	657 (10)	1.52
	St Vincent and the Grenadines	12 Mar 2020	17 Jun 2020	29	
	Saint Lucia	13 Mar 2020	06 May 2020	19	
	Trinidad and Tobago	13 Mar 2020	15 Jun 2020	123 (8)	6.50
	Venezuela	13 Mar 2020	21 Jun 2020	3,789 (33)	0.87
	Guatemala	13 Mar 2020	21 Jun 2020	12,755 (514)	4.03
	Uruguay	13 Mar 2020	18 Jun 2020	850 (24)	2.82
	Curacao	13 Mar 2020	16 Jun 2020	23 (1)	4.35
	Puerto Rico	13 Mar 2020	21 Jun 2020	6,525 (149)	2.28
	Suriname	13 Mar 2020	21 Jun 2020	302 (8)	2.65
	Antigua and Barbuda	13 Mar 2020	01 Jun 2020	26 (3)	11.54

Guadeloupe	13 Mar 2020	20 Jun 2020	174 (14)	8.05	
Cayman Islands	13 Mar 2020	20 Jun 2020	195 (1)	0.51	
Aruba	14 Mar 2020	13 May 2020	101 (3)	2.97	
Bahamas	15 Mar 2020	17 Jun 2020	104 (11)	10.58	
US Virgin Islands	16 Mar 2020	21 Jun 2020	74 (6)	8.11	
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	16 Jun 2020	97 (7)	7.22	
El Salvador	18 Mar 2020	21 Jun 2020	4,626 (98)	2.12	
Nicaragua	18 Mar 2020	17 Jun 2020	1,823 (64)	3.51	
Bermuda	18 Mar 2020	20 Jun 2020	146 (9)	6.16	
Haiti	19 Mar 2020	21 Jun 2020	5,077 (88)	1.73	
Dominica	22 Mar 2020	02 Jun 2020	18		
Grenada	22 Mar 2020	26 May 2020	23		
Belize	23 Mar 2020	17 Jun 2020	22 (2)	9.09	
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	21 Jun 2020	160,377 (29,640)	18.48
	Germany	27 Jan 2020	21 Jun 2020	191,276 (8,961)	4.68
	Finland	29 Jan 2020	20 Jun 2020	7,142 (326)	4.56
	Italy	30 Jan 2020	21 Jun 2020	238,499 (34,634)	14.52
	Russian Federation	31 Jan 2020	21 Jun 2020	584,680 (8,111)	1.39
	Spain	31 Jan 2020	21 Jun 2020	246,272 (28,323)	11.50
	Sweden	31 Jan 2020	18 Jun 2020	56,043 (5,053)	9.02
	United Kingdom of Great Britain	31 Jan 2020	21 Jun 2020	304,331 (42,632)	14.01
	Belgium	05 Feb 2020	20 Jun 2020	60,550 (9,696)	16.01
	Switzerland	25 Feb 2020	21 Jun 2020	31,292 (1,956)	6.25
	Austria	25 Feb 2020	21 Jun 2020	17,341 (690)	3.98
	Croatia	25 Feb 2020	21 Jun 2020	2,317 (107)	4.62
	Norway	26 Feb 2020	21 Jun 2020	8,743 (244)	2.79
	Romania	26 Feb 2020	21 Jun 2020	24,045 (1,512)	6.29
	Estonia	26 Feb 2020	20 Jun 2020	1,981 (69)	3.48
	Georgia	26 Feb 2020	21 Jun 2020	906 (14)	1.55
	North Macedonia	26 Feb 2020	21 Jun 2020	5,106 (238)	4.66
	Greece	26 Feb 2020	21 Jun 2020	3,256 (190)	5.84
	Denmark	27 Feb 2020	19 Jun 2020	12,391 (600)	4.84

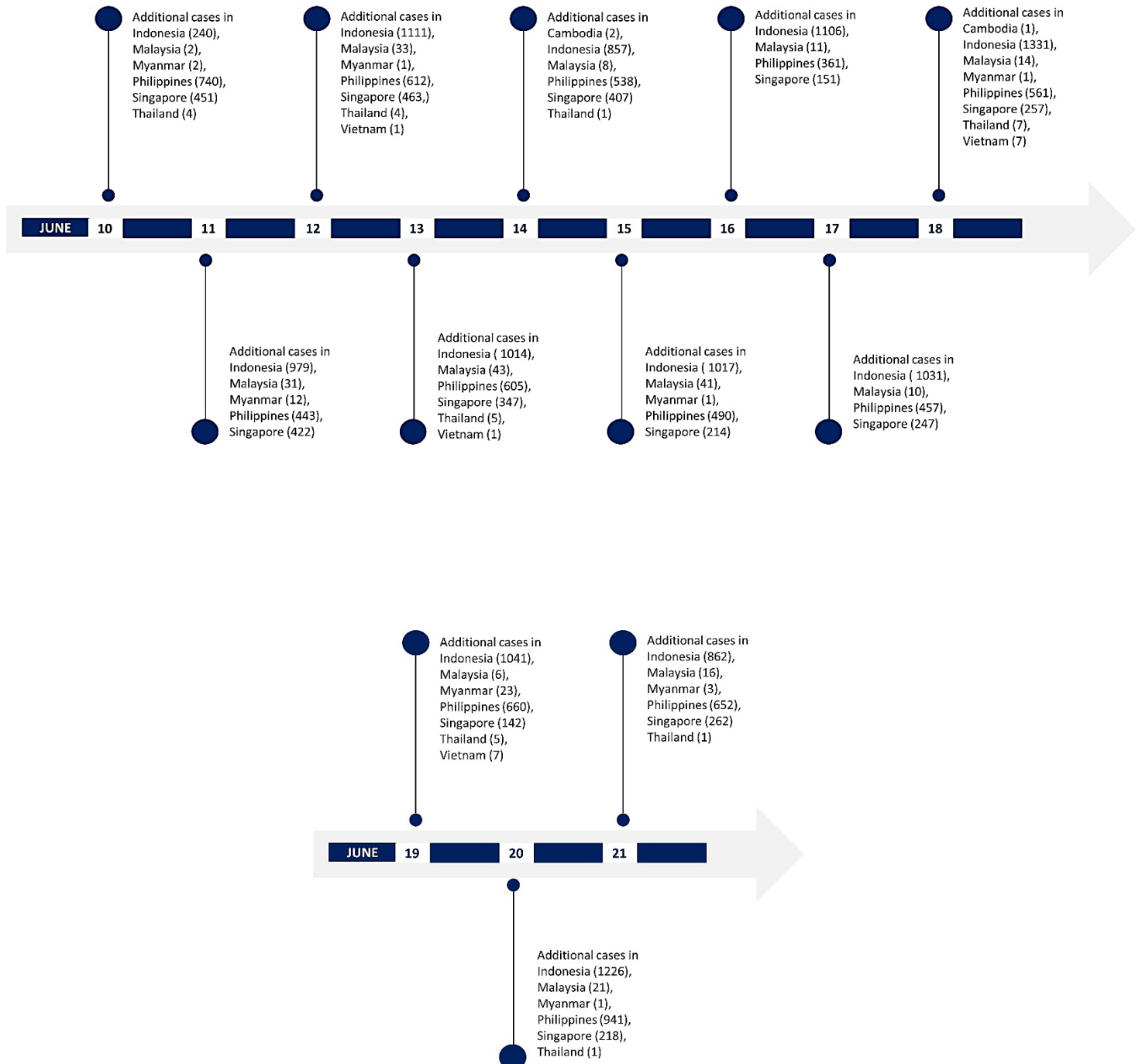
San Marino	27 Feb 2020	17 Jun 2020	696 (42)	6.03
Lithuania	27 Feb 2020	21 Jun 2020	1,798 (76)	4.23
Netherlands	27 Feb 2020	21 Jun 2020	49,593 (6,090)	12.28
Azerbaijan	27 Feb 2020	21 Jun 2020	12,238 (148)	1.21
Belarus	28 Feb 2020	21 Jun 2020	58,505 (346)	0.59
Iceland	28 Feb 2020	21 Jun 2020	1,823 (10)	0.55
Ireland	28 Feb 2020	21 Jun 2020	25,374 (1,715)	6.76
Monaco	29 Feb 2020	31 May 2020	99 (4)	4.04
Czech Republic	01 Mar 2020	21 Jun 2020	10,448 (336)	3.22
Luxembourg	01 Mar 2020	21 Jun 2020	4,120 (110)	2.67
Armenia	01 Mar 2020	21 Jun 2020	20,268 (350)	1.73
Latvia	02 Mar 2020	20 Jun 2020	1,111 (30)	2.70
Portugal	02 Mar 2020	21 Jun 2020	39,133 (1,530)	3.91
Andorra	02 Mar 2020	19 Jun 2020	855 (52)	6.08
Liechtenstein	03 Mar 2020	27 Apr 2020	82 (1)	1.22
Ukraine	03 Mar 2020	21 Jun 2020	36,560 (1,002)	2.74
Slovenia	04 Mar 2020	21 Jun 2020	1,520 (109)	7.17
Hungary	04 Mar 2020	21 Jun 2020	4,094 (570)	13.92
Poland	04 Mar 2020	21 Jun 2020	31,931 (1,356)	4.25
Faroe Islands	04 Mar 2020	23 Apr 2020	187	
Bosnia and Herzegovina	05 Mar 2020	19 Jun 2020	3,273 (169)	5.16
Gibraltar	05 Mar 2020	07 Jun 2020	176	
Slovakia	06 Mar 2020	21 Jun 2020	1,587 (28)	1.76
Serbia	06 Mar 2020	21 Jun 2020	12,894 (261)	2.02
Vatican City	06 Mar 2020	08 May 2020	12	
Malta	07 Mar 2020	21 Jun 2020	665 (9)	1.35
Moldova	07 Mar 2020	21 Jun 2020	14,200 (473)	3.33
Bulgaria	08 Mar 2020	21 Jun 2020	3,872 (199)	5.14
Albania	09 Mar 2020	21 Jun 2020	1,962 (44)	2.24
Cyprus	09 Mar 2020	15 Jun 2020	985 (18)	1.83
Channel Islands	09 Mar 2020	18 Jun 2020	570 (48)	8.42
Jersey	10 Mar 2020	17 Jun 2020	318 (30)	9.43
Kazakhstan	13 Mar 2020	21 Jun 2020	17,225 (118)	0.69
Kosovo	13 Mar 2020	20 Jun 2020	1,998 (35)	1.75
Uzbekistan	15 Mar 2020	21 Jun 2020	6,216 (19)	0.31
Greenland	16 Mar 2020	27 May 2020	13	
Montenegro	17 Mar 2020	21 Jun 2020	362 (9)	2.49
Kyrgyzstan	18 Mar 2020	21 Jun 2020	3,151 (37)	1.17
Isle of Man	19 Mar 2020	21 May 2020	336 (24)	7.14
Tajikistan	30 Apr 2020	21 Jun 2020	5,457 (52)	0.95
MIDDLE EAST				
UAE	29 Jan 2020	21 Jun 2020	44,925 (302)	0.67
Iran	19 Feb 2020	21 Jun 2020	204,952 (9,623)	4.70
Israel	21 Feb 2020	21 Jun 2020	20,734 (306)	1.48
Lebanon	21 Feb 2020	21 Jun 2020	1,587 (32)	2.02
Kuwait	24 Feb 2020	21 Jun 2020	39,650 (326)	0.82

	Oman	24 Feb 2020	21 Jun 2020	29,471 (131)	0.44
	Bahrain	24 Feb 2020	21 Jun 2020	21,331 (61)	0.29
	Iraq	24 Feb 2020	21 Jun 2020	29,222 (1,013)	3.47
	Qatar	29 Feb 2020	20 Jun 2020	86,488 (94)	0.11
	Saudi Arabia	02 Mar 2020	21 Jun 2020	157,612 (1,267)	0.80
	Jordan	02 Mar 2020	21 Jun 2020	1,033 (9)	0.87
	Palestine	05 Mar 2020	21 Jun 2020	1,022 (5)	0.49
	Syria	22 Mar 2020	21 Jun 2020	204 (7)	3.43
	Yemen	10 Apr 2020	21 Jun 2020	922 (254)	27.55
AFRICA	Egypt	14 Feb 2020	21 Jun 2020	53,758 (2,106)	3.92
	Algeria	25 Feb 2020	21 Jun 2020	11,771 (845)	7.18
	Nigeria	28 Feb 2020	21 Jun 2020	19,808 (506)	2.55
	Tunisia	02 Mar 2020	21 Jun 2020	1,157 (50)	4.32
	Morocco	02 Mar 2020	21 Jun 2020	9,957 (213)	2.14
	Senegal	02 Mar 2020	21 Jun 2020	5,888 (84)	1.43
	South Africa	05 Mar 2020	21 Jun 2020	92,681 (1,877)	2.03
	Cameroon	06 Mar 2020	20 Jun 2020	11,610 (301)	2.59
	Togo	06 Mar 2020	21 Jun 2020	561 (13)	2.32
	Burkina Faso	09 Mar 2020	21 Jun 2020	901 (53)	5.88
	Democratic Republic of Congo	10 Mar 2020	21 Jun 2020	5,826 (130)	2.23
	Ivory Coast	11 Mar 2020	21 Jun 2020	7,276 (52)	0.71
	Reunion	11 Mar 2020	21 Jun 2020	505 (1)	0.20
	Ghana	13 Mar 2020	21 Jun 2020	13,717 (85)	0.62
	Guinea	13 Mar 2020	21 Jun 2020	4,960 (27)	0.54
	Gabon	13 Mar 2020	20 Jun 2020	4,428 (34)	0.77
	Sudan	13 Mar 2020	21 Jun 2020	8,580 (521)	6.07
	Kenya	13 Mar 2020	20 Jun 2020	4,478 (121)	2.70
	Ethiopia	13 Mar 2020	21 Jun 2020	4,532 (74)	1.63
	Central African Republic	14 Mar 2020	21 Jun 2020	2,808 (23)	0.82
	Seychelles	14 Mar 2020	06 Apr 2020	11	
	Rwanda	14 Mar 2020	21 Jun 2020	702 (2)	0.28
	Namibia	14 Mar 2020	21 Jun 2020	55	
	Swaziland	14 Mar 2020	21 Jun 2020	627 (5)	0.80
	Mauritania	14 Mar 2020	21 Jun 2020	2,813 (108)	3.84
	Mayotte	14 Mar 2020	21 Jun 2020	2,404 (31)	1.29
	Equatorial Guinea	15 Mar 2020	17 Jun 2020	1,664 (32)	1.92
	Republic of Congo	15 Mar 2020	16 Jun 2020	883 (27)	3.06
	Benin	16 Mar 2020	21 Jun 2020	650 (11)	1.69
	Liberia	16 Mar 2020	21 Jun 2020	626 (34)	5.43
	Tanzania	16 Mar 2020	15 May 2020	509 (21)	4.13
	Somalia	16 Mar 2020	21 Jun 2020	2,755 (88)	3.19
	Gambia	17 Mar 2020	21 Jun 2020	37 (2)	5.41
	Zambia	17 Mar 2020	18 Jun 2020	1,416 (11)	0.78
Mauritius	18 Mar 2020	05 Jun 2020	337 (10)	2.97	
Djibouti	18 Mar 2020	20 Jun 2020	4,565 (45)	0.99	
Niger	19 Mar 2020	21 Jun 2020	1,035 (67)	6.47	
Chad	19 Mar 2020	19 Jun 2020	858 (74)	8.62	
Zimbabwe	20 Mar 2020	18 Jun 2020	463 (4)	0.86	
Cape Verde	20 Mar 2020	21 Jun 2020	863 (8)	0.93	
Madagascar	20 Mar 2020	21 Jun 2020	1,596 (14)	0.88	
Uganda	21 Mar 2020	21 Jun 2020	770		
Eritrea	21 Mar 2020	21 Jun 2020	143		
Angola	21 Mar 2020	21 Jun 2020	176 (9)	5.11	
Mozambique	22 Mar 2020	21 Jun 2020	733 (5)	0.68	
Libya	24 Mar 2020	21 Jun 2020	544 (10)	1.84	

Guinea-Bissau	25 Mar 2020	20 Jun 2020	1,541 (17)	1.10
Mali	25 Mar 2020	21 Jun 2020	1,933 (109)	5.64
Botswana	30 Mar 2020	19 Jun 2020	89 (1)	1.12
Sierra Leone	31 Mar 2020	21 Jun 2020	1,309 (53)	4.05
Burundi	31 Mar 2020	21 Jun 2020	144 (1)	0.69
Malawi	02 Apr 2020	21 Jun 2020	730 (11)	1.51
South Sudan	05 Apr 2020	21 Jun 2020	1,882 (34)	1.81
Sao Tome and Principe	06 Apr 2020	21 Jun 2020	698 (12)	1.72
Lesotho	13 May 2020	03 Jun 2020	4	
			8,850,184	
			(463,404)	

*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

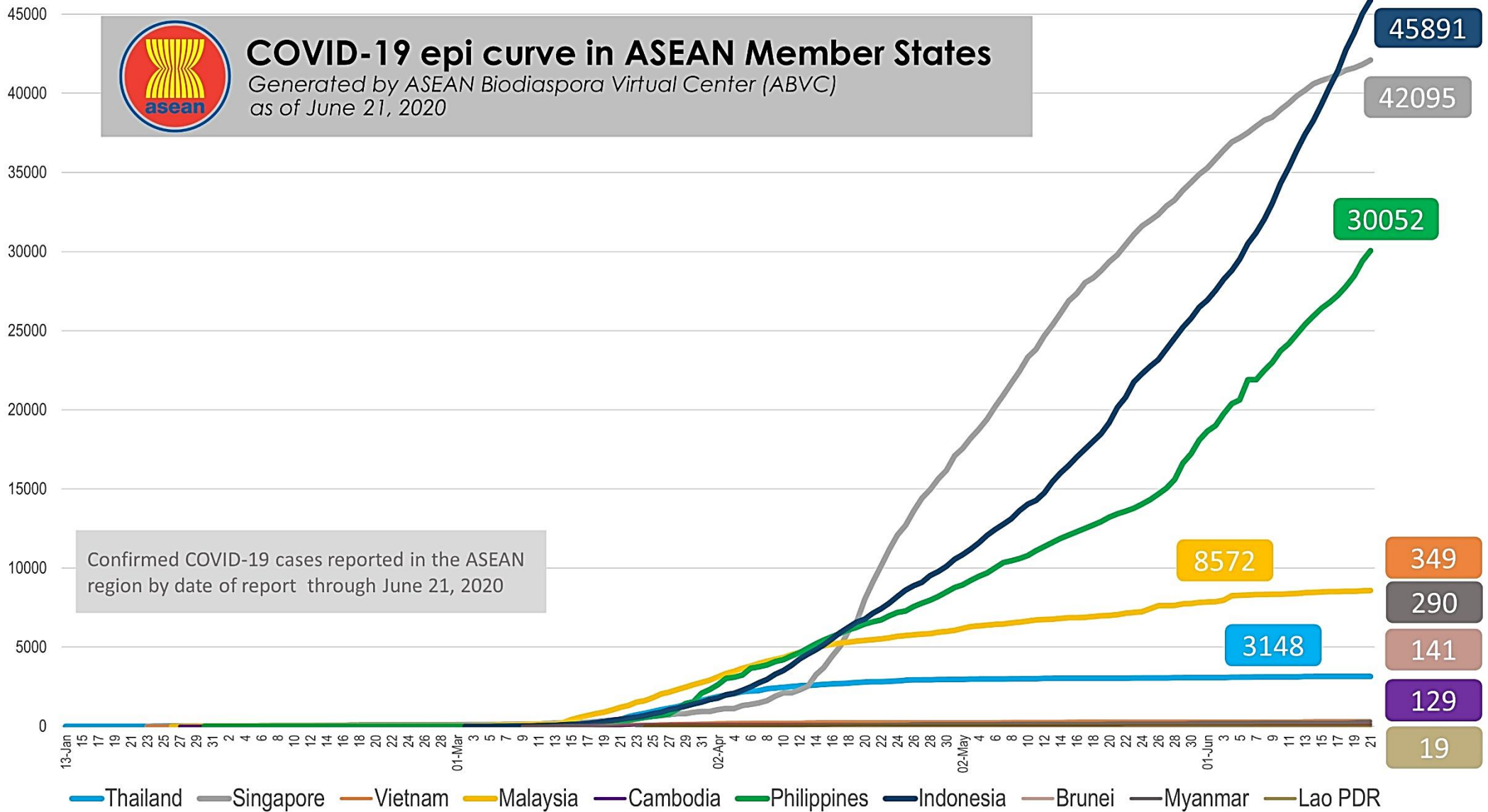
Timeline of COVID-19: ASEAN *(continuation)*





COVID-19 epi curve in ASEAN Member States

Generated by ASEAN Biodiaspora Virtual Center (ABVC)
as of June 21, 2020





Report generated by
ASEAN Biodiaspora Virtual Center (ABVC)
 in collaboration with **Bluedot Inc.**
 Email: support@biodiaspora.org

