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

ASEAN Biodiaspora Virtual Center (ABVC)

as of May 6, 2020 (2:00 PM GMT+8)

COVID-19: Highlights and Situation Overview

- On May 4, the World Health Organization (WHO) Cambodia Country Representative warned that Cambodia remains at high risk of a second wave outbreak of COVID-19 even if Cambodia achieved a good response to the first phase COVID-19. She stated during the press conference in Phnom Penh that COVID-19 pandemic is far from over globally, including in Cambodia.
- Malaysia begins to ease its COVID-19 lockdown. However, the move has split public opinion amid fears that a sudden reopening of economic activities could spark a new wave of infections. 9 of the country's 13 states, however, have either refused to open up or restricted the types of businesses that can operate.
- On May 4, the Chinese People's Liberation Army (PLA) donated medical equipment and accessories to a newly-built laboratory of Myanmar's military hospital for testing COVID-19.
- An epidemiologist in the Philippines who is also part of the Inter-Agency Task Force on Emerging Infectious Diseases said on May 5 that the country had already flattened the epidemic curve nearly two months after the government placed the nation on lockdown. Before the government put major parts of the country on lockdown in March, the average case doubling time nationwide was 2.5 days. Now, the average doubling time was 4.6 days, with Luzon (excluding Metro Manila) having the longest doubling time — 5.8 days. However, according to the Health Undersecretary, people should not become complacent considering that resurgence may occur if the restrictions shall be lifted.
- Brunei reports no new COVID-19 case/s since for 17 days since April 19.
- Cambodia reports no new COVID-19 case/s for 24 days since April 12.
- Laos reports no new COVID-19 case/s for 24 days since April 12.
- More Singapore-based companies are working to produce COVID-19 test kits. The Health Sciences Authority (HSA) has granted provisional approval for more than 20 companies to produce kits locally. The country has indicated plans to increase daily testing capacity to 40,000.
- On May 5, Vietnam authorities lifted the lockdown on Ha Loi hamlet of Me Linh rural district of Hanoi.
- Japan extended its state of emergency over the coronavirus until May 31 as the government warned it was too soon to lift restrictions. The area covered all prefectures in the nation.

Travel Advisories (new update/s)

- Brunei: Royal Brunei will operate a revised and substantially reduced flying program across May and June. A new temporary flying program will operate until 30 June 2020, directly connecting Brunei to Kuala Lumpur, Singapore, Melbourne, Hong Kong and Manila only. This retains vital connectivity for services, supplies and the small numbers of guests who must and are able to travel onto other destinations.
- Cambodia: Local and foreign carriers are moving to resume flights out of Cambodia, as the country works to overcome the impact of the coronavirus pandemic. Carriers such as Cambodia Angkor Air, China Airlines and EVA Air have resumed flights to and from the Cambodian capital of Phnom Penh. Five flights are scheduled to operate today (May 6). Three of these are bound for China, while the remaining two are to South Korea and the domestic

destination of Sihanoukville. However, major operators such as Cathay Pacific, Emirates, Thai Airways International and Qatar Airways plan to resume flights to Cambodia in June and July.

- Thailand: Bangkok Airways will resume domestic flight operations from 15 May 2020 onwards with Bangkok – Samui (round trip) twice daily service to serve passengers in need of travel. All flight operations will strictly comply with safety measures and social distancing guidelines set by the Ministry of Public Health and the Civil Aviation Authority of Thailand (CAAT). Samui Airport will also resume daily operations on May 15 from 08.00AM – 7PM. The airport has put in place health and safety measures and social distancing practice in compliance with the regulations by the Ministry of Public Health and CAAT to ensure highest level of safety for all passengers and staff.

Cases and Deaths as of 06 May 2020

- As of May 06 (2PM, GMT+8), worldwide, there were **3,664,506** confirmed cases, including **256,666** deaths. Globally, Case Fatality Ratio (CFR)* is **7.00**.
- In **China**, there were **84,405** confirmed cases with **4,643** deaths, including deaths in Hong Kong (4) and Taiwan (6). Confirmed cases in China include confirmed cases in Hong Kong (1,041), Macau (45), and Taiwan (438).
- **3,580,101 confirmed cases** of COVID-19 have been reported in **211 countries/states** (other than China, Hong Kong, Taiwan and Macau):

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST CONFIRMED CASE(S)	CONFIRMED CASES/ (Deaths)	CASE FATALITY RATIO*
ASIA PACIFIC	**Thailand**	13 Jan 2020	05 May 2020	2,988 (54)	1.81
	Vietnam	23 Jan 2020	03 May 2020	271	
	Singapore	23 Jan 2020	05 May 2020	19,410 (18)	0.09
	Malaysia	25 Jan 2020	05 May 2020	6,383 (106)	1.66
	Philippines	30 Jan 2020	05 May 2020	9,684 (637)	6.58
	Indonesia	02 Mar 2020	05 May 2020	12,071 (872)	7.22
	Brunei	10 Mar 2020	24 Apr 2020	138 (1)	0.72
	Myanmar	23 Mar 2020	04 May 2020	161 (6)	3.73
	Lao PDR	24 Mar 2020	13 Apr 2020	19	
	Japan	16 Jan 2020	05 May 2020	15,784 (543)	3.44
	South Korea	20 Jan 2020	05 May 2020	10,804 (254)	2.35
	Nepal	24 Jan 2020	05 May 2020	82	
	Australia	25 Jan 2020	05 May 2020	6,849 (96)	1.40
	Sri Lanka	27 Jan 2020	05 May 2020	760 (9)	1.18
	India	30 Jan 2020	05 May 2020	46,671 (1,582)	3.39
	Afghanistan	24 Feb 2020	05 May 2020	3,224 (95)	2.95
	Pakistan	26 Feb 2020	05 May 2020	21,501 (486)	2.26
	New Zealand	28 Feb 2020	05 May 2020	1,486 (20)**	1.35
	Bhutan	05 Mar 2020	23 Apr 2020	7	
	Maldives	07 Mar 2020	05 May 2020	557 (1)	0.18
	Bangladesh	08 Mar 2020	05 May 2020	10,929 (183)	1.67

	Mongolia	10 Mar 2020	05 May 2020	41	
	Turkey	10 Mar 2020	05 May 2020	127,659 (3,461)	2.71
	French Polynesia	12 Mar 2020	28 Apr 2020	58	
	Guam	15 Mar 2020	05 May 2020	149 (5)	3.36
	New Caledonia	17 Mar 2020	02 Apr 2020	18	
	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	17 Apr 2020	14 (2)	14.29
AMERICAS	**USA**	21 Jan 2020	05 May 2020	1,228,735 (71,548)	5.82
	Canada	25 Jan 2020	05 May 2020	61,981 (4,122)	6.65
	Brazil	26 Feb 2020	05 May 2020	110,156 (7,485)	6.79
	Mexico	28 Feb 2020	05 May 2020	24,905 (2,271)	9.12
	Saint Martin	01 Mar 2020	22 Apr 2020	38 (2)	5.26
	Ecuador	01 Mar 2020	05 May 2020	31,881 (1,569)	4.92
	Dominican Republic	01 Mar 2020	05 May 2020	8,480 (354)	4.17
	Chile	03 Mar 2020	05 May 2020	22,016 (275)	1.25
	Argentina	03 Mar 2020	05 May 2020	4,887 (260)	5.32
	Peru	05 Mar 2020	05 May 2020	47,372 (1,344)	2.84
	Costa Rica	06 Mar 2020	05 May 2020	742 (6)	0.81
	Colombia	06 Mar 2020	05 May 2020	7,973 (358)	4.49
	French Guiana	06 Mar 2020	05 May 2020	133 (1)	0.75
	Martinique	06 Mar 2020	05 May 2020	181 (14)	7.73
	Paraguay	07 Mar 2020	05 May 2020	415 (10)	2.41
	Panama	10 Mar 2020	05 May 2020	7,387 (203)	2.75
	Bolivia	10 Mar 2020	05 May 2020	1,681 (82)	4.88
	Honduras	11 Mar 2020	05 May 2020	1,178 (83)	7.05
	Cuba	11 Mar 2020	05 May 2020	1,668 (69)	4.14
	Guyana	11 Mar 2020	05 May 2020	92 (9)	9.78
	Jamaica	12 Mar 2020	05 May 2020	471 (9)	1.91
	St Vincent and the Grenadines	12 Mar 2020	04 May 2020	17	
	Saint Lucia	13 Mar 2020	04 May 2020	18	
	Trinidad and Tobago	13 Mar 2020	27 Apr 2020	116 (8)	6.90
	Venezuela	13 Mar 2020	05 May 2020	361 (10)	2.77
	Guatemala	13 Mar 2020	05 May 2020	730 (19)	2.60
	Uruguay	13 Mar 2020	05 May 2020	657 (17)	2.59
	Curacao	13 Mar 2020	25 Apr 2020	16 (1)	6.25
	Puerto Rico	13 Mar 2020	05 May 2020	1,924 (99)	5.15
	Suriname	13 Mar 2020	08 Apr 2020	10 (1)	10.00
	Antigua and Barbuda	13 Mar 2020	02 May 2020	25 (3)	12.00
	Guadeloupe	13 Mar 2020	01 May 2020	152 (12)	7.89

	Cayman Islands	13 Mar 2020	05 May 2020	75 (1)	1.33
	Aruba	14 Mar 2020	23 Apr 2020	100 (2)	2.00
	Bahamas	15 Mar 2020	03 May 2020	83 (11)	13.25
	US Virgin Islands	16 Mar 2020	01 May 2020	66 (4)	6.06
	Sint Maarten	17 Mar 2020	01 May 2020	76 (13)	17.11
	Montserrat	17 Mar 2020	25 Apr 2020	11 (1)	9.09
	Barbados	17 Mar 2020	04 May 2020	82 (7)	8.54
	El Salvador	18 Mar 2020	05 May 2020	587 (13)	2.21
	Nicaragua	18 Mar 2020	04 May 2020	15 (5)	33.33
	Bermuda	18 Mar 2020	04 May 2020	115 (7)	6.09
	Haiti	19 Mar 2020	05 May 2020	100 (11)	11.00
	Dominica	22 Mar 2020	11 Apr 2020	16	
	Grenada	22 Mar 2020	03 May 2020	21	
	Belize	23 Mar 2020	14 Apr 2020	18 (2)	11.11
	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	26 Apr 2020	6 (1)	16.67
	Anguilla	26 Mar 2020	03 Apr 2020	3	
	Caribbean Netherlands	01 Apr 2020	04 May 2020	6	
	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	05 May 2020	132,967 (25,531)	19.20
	Germany	27 Jan 2020	05 May 2020	166,507 (6,993)	4.20
	Finland	29 Jan 2020	05 May 2020	5,412 (246)	4.55
	Italy	30 Jan 2020	05 May 2020	213,013 (29,315)	13.76
	Russian Federation	31 Jan 2020	05 May 2020	155,370 (1,451)	0.93
	Spain	31 Jan 2020	05 May 2020	250,561 (25,613)	10.22
	Sweden	31 Jan 2020	05 May 2020	23,216 (2,854)	12.29
	United Kingdom of Great Britain	31 Jan 2020	05 May 2020	194,990 (29,427)	15.09
	Belgium	05 Feb 2020	05 May 2020	50,509 (8,016)	15.87
	Switzerland	25 Feb 2020	05 May 2020	30,009 (1,790)	5.96
	Austria	25 Feb 2020	05 May 2020	15,650 (606)	3.87
	Croatia	25 Feb 2020	05 May 2020	2,112 (83)	3.93
	Norway	26 Feb 2020	05 May 2020	7,904 (214)	2.71
	Romania	26 Feb 2020	05 May 2020	13,837 (841)	6.08
	Estonia	26 Feb 2020	05May 2020	1,711 (55)	3.21
	Georgia	26 Feb 2020	05 May 2020	604 (9)	1.49
	North Macedonia	26 Feb 2020	05 May 2020	1,526 (86)	5.64
	Greece	26 Feb 2020	05 May 2020	2,632 (146)	5.55
	Denmark	27 Feb 2020	05 May 2020	9,821 (503)	5.12
	San Marino	27 Feb 2020	05 May 2020	589 (41)	6.96

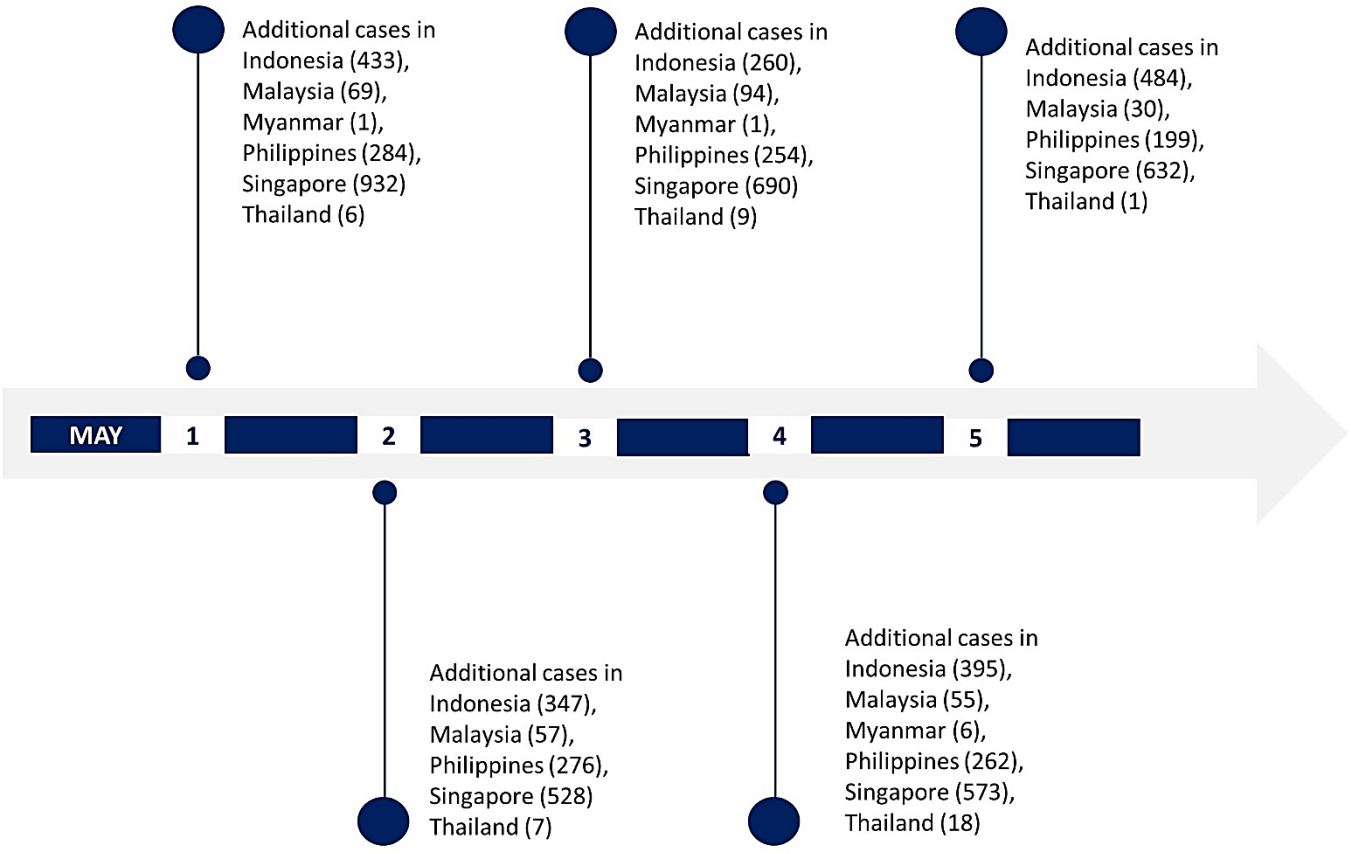
	Lithuania	27 Feb 2020	05 May 2020	1,423 (46)	3.23
	Netherlands	27 Feb 2020	05 May 2020	41,087 (5,168)	12.58
	Azerbaijan	27 Feb 2020	05 May 2020	1,984 (26)	1.31
	Belarus	28 Feb 2020	05 May 2020	18,350 (107)	0.58
	Iceland	28 Feb 2020	03 May 2020	1,799 (10)	0.56
	Ireland	28 Feb 2020	05 May 2020	21,772 (1,319)	6.06
	Monaco	29 Feb 2020	28 Apr 2020	95 (4)	4.21
	Czech Republic	01 Mar 2020	05 May 2020	7,878 (254)	3.22
	Luxembourg	01 Mar 2020	04 May 2020	3,828 (96)	2.51
	Armenia	01 Mar 2020	05 May 2020	2,619 (40)	1.53
	Latvia	02 Mar 2020	04 May 2020	896 (16)	1.79
	Portugal	02 Mar 2020	05 May 2020	25,702 (1,074)	4.18
	Andorra	02 Mar 2020	05 May 2020	750 (45)	6.00
	Liechtenstein	03 Mar 2020	27 Apr 2020	82 (1)	1.22
	Ukraine	03 Mar 2020	05 May 2020	12,697 (316)	2.49
	Slovenia	04 Mar 2020	05 May 2020	1,445 (98)	6.78
	Hungary	04 Mar 2020	05 May 2020	3,065 (363)	11.84
	Poland	04 Mar 2020	05 May 2020	14,242 (700)	4.92
	Faroe Islands	04 Mar 2020	23 Apr 2020	187	
	Bosnia and Herzegovina	05 Mar 2020	05 May 2020	1,946 (79)	4.06
	Gibraltar	05 Mar 2020	01 May 2020	144	
	Slovakia	06 Mar 2020	05 May 2020	1,421 (25)	1.76
	Serbia	06 Mar 2020	05 May 2020	9,677 (200)	2.07
	Vatican City	06 Mar 2020	01 May 2020	11	
	Malta	07 Mar 2020	05 May 2020	482 (5)	1.04
	Moldova	07 Mar 2020	05 May 2020	4,363 (136)	3.12
	Bulgaria	08 Mar 2020	05 May 2020	1,704 (80)	4.69
	Albania	09 Mar 2020	05 May 2020	820 (31)	3.78
	Cyprus	09 Mar 2020	05 May 2020	878 (15)	1.71
	Channel Islands	09 Mar 2020	04 May 2020	544 (41)	7.54
	Jersey	10 Mar 2020	05 May 2020	293 (24)	8.19
	Kazakhstan	13 Mar 2020	05 May 2020	4,179 (29)	0.69
	Kosovo	13 Mar 2020	05 May 2020	855 (26)	3.04
	Uzbekistan	15 Mar 2020	05 May 2020	2,204 (10)	0.45
	Greenland	16 Mar 2020	05 Apr 2020	11	
	Montenegro	17 Mar 2020	05 May 2020	324 (8)	2.47
	Kyrgyztan	18 Mar 2020	05 May 2020	843 (11)	1.30
	Isle of Man	19 Mar 2020	05 May 2020	325 (23)	7.08
	Tajikistan	30 Apr 2020	05 May 2020	293 (5)	1.71
MIDDLE EAST	**UAE**	29 Jan 2020	05 May 2020	15,192 (146)	0.96
	Iran	19 Feb 2020	05 May 2020	99,970 (6,340)	6.34
	Israel	21 Feb 2020	05 May 2020	16,268 (237)	1.46
	Lebanon	21 Feb 2020	04 May 2020	741 (25)	3.37
	Kuwait	24 Feb 2020	05 May 2020	5,804 (40)	0.69
	Oman	24 Feb 2020	05 May 2020	2,735 (12)	0.44
	Bahrain	24 Feb 2020	05 May 2020	3,679 (8)	0.22

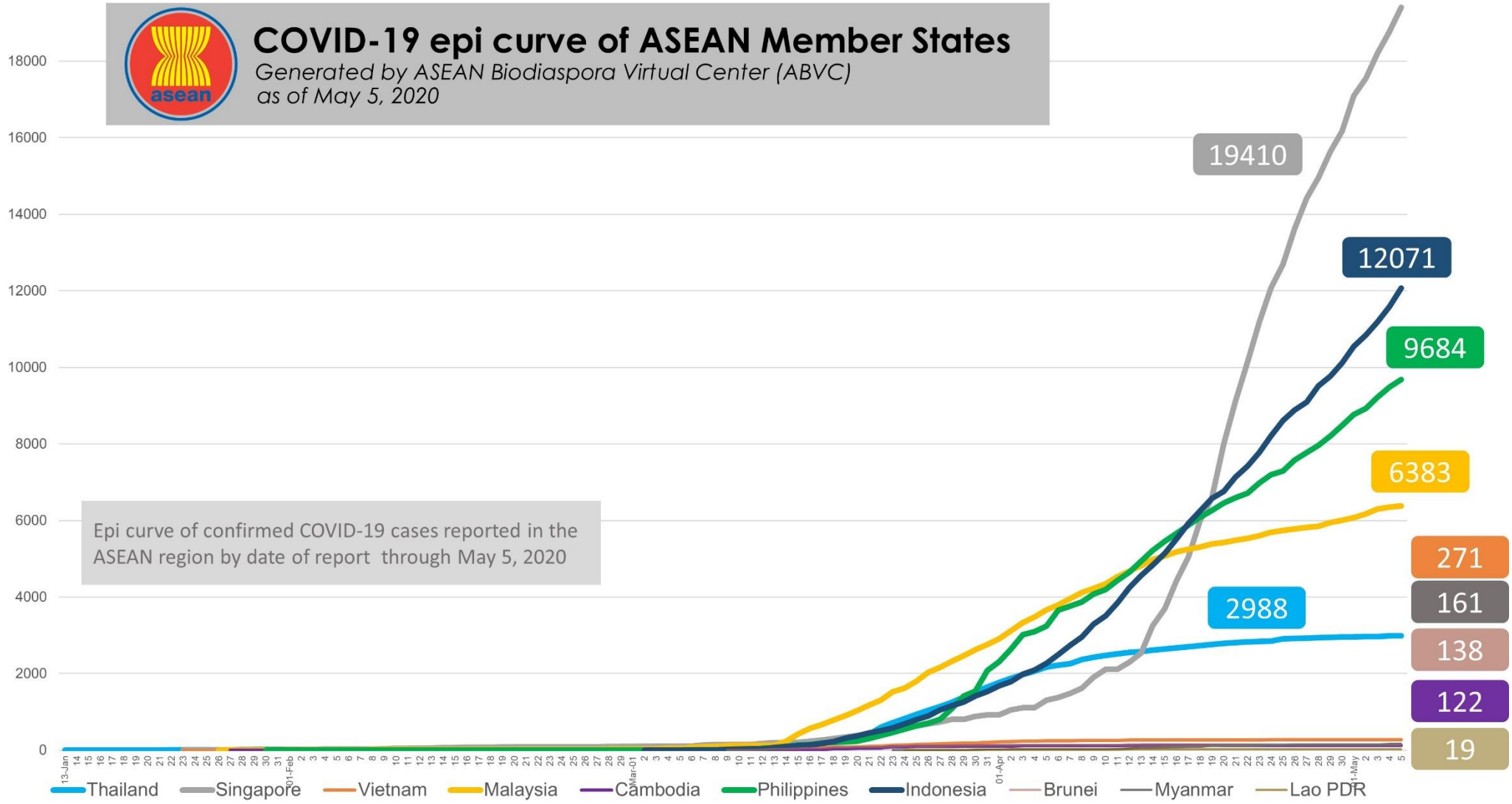
	Iraq	24 Feb 2020	05 May 2020	2,346 (98)	4.18
	Qatar	29 Feb 2020	05 May 2020	17,142 (12)	0.07
	Saudi Arabia	02 Mar 2020	05 May 2020	30,251 (200)	0.66
	Jordan	02 Mar 2020	05 May 2020	465 (9)	1.94
	Palestine	05 Mar 2020	05 May 2020	538 (4)	0.74
	Syria	22 Mar 2020	02 May 2020	44 (3)	6.82
	Yemen	10 Apr 2020	05 May 2020	21 (3)	14.29
AFRICA	**Egypt**	14 Feb 2020	05 May 2020	7,201 (452)	6.28
	Algeria	25 Feb 2020	05 May 2020	4,838 (470)	9.71
	Nigeria	28 Feb 2020	05 May 2020	2,802 (93)	3.32
	Tunisia	02 Mar 2020	05 May 2020	1,018 (43)	4.22
	Morocco	02 Mar 2020	05 May 2020	5,153 (180)	3.49
	Senegal	02 Mar 2020	05 May 2020	1,329 (11)	0.83
	South Africa	05 Mar 2020	05 May 2020	7,220 (138)	1.91
	Cameroon	06 Mar 2020	05 May 2020	2,104 (64)	3.04
	Togo	06 Mar 2020	04 May 2020	126 (9)	7.14
	Burkina Faso	09 Mar 2020	05 May 2020	672 (46)	6.85
	Democratic Republic of Congo	10 Mar 2020	05 May 2020	705 (34)	4.82
	Ivory Coast	11 Mar 2020	05 May 2020	1,432 (17)	1.19
	Reunion	11 Mar 2020	04 May 2020	424	
	Ghana	13 Mar 2020	05 May 2020	2,719 (18)	0.66
	Guinea	13 Mar 2020	05 May 2020	1,710 (9)	0.53
	Gabon	13 Mar 2020	05 May 2020	367 (6)	1.63
	Sudan	13 Mar 2020	05 May 2020	778 (45)	5.78
	Kenya	13 Mar 2020	05 May 2020	535 (24)	4.49
	Ethiopia	13 Mar 2020	05May 2020	145 (4)	2.76
	Central African Republic	14 Mar 2020	05 May 2020	85	
	Seychelles	14 Mar 2020	06 Apr 2020	11	
	Rwanda	14 Mar 2020	05 May 2020	261	
	Namibia	14 Mar 2020	05 Apr 2020	16	
	Swaziland	14 Mar 2020	05 May 2020	119 (1)	0.84
	Mauritania	14 Mar 2020	29 Apr 2020	8 (1)	12.50
	Mayotte	14 Mar 2020	04 May 2020	686 (6)	0.87
	Equatorial Guinea	15 Mar 2020	05 May 2020	315 (3)	0.95
	Republic of Congo	15 Mar 2020	05 May 2020	236 (10)	4.24
	Benin	16 Mar 2020	04 May 2020	96 (2)	2.08
	Liberia	16 Mar 2020	04 May 2020	166 (18)	10.84
	Tanzania	16 Mar 2020	29 Apr 2020	480 (16)	3.33
	Somalia	16 Mar 2020	05 May 2020	835 (38)	4.55
	Gambia	17 Mar 2020	04 May 2020	17 (1)	5.88
	Zambia	17 Mar 2020	04 May 2020	137 (3)	2.19
	Mauritius	18 Mar 2020	02 May 2020	332 (10)	3.01
	Djibouti	18 Mar 2020	05 May 2020	1,120 (2)	0.18
	Niger	19 Mar 2020	05 May 2020	755 (37)	4.90
	Chad	19 Mar 2020	03 May 2020	117 (10)	8.55
	Zimbabwe	20 Mar 2020	03 May 2020	36 (4)	11.11
	Cape Verde	20 Mar 2020	05 May 2020	186 (2)	1.08
	Madagascar	20 Mar 2020	03 May 2020	149	
	Uganda	21 Mar 2020	05 May 2020	97	
	Eritrea	21 Mar 2020	19 Apr 2020	39	
	Angola	21 Mar 2020	03 May 2020	35 (2)	5.71
	Mozambique	22 Mar 2020	04 May 2020	80	
	Libya	24 Mar 2020	02 May 2020	63 (3)	4.76
	Guinea-Bissau	25 Mar 2020	05 May 2020	413 (1)	0.24
	Mali	25 Mar 2020	04 May 2020	580 (29)	5.00

	Botswana	30 Mar 2020	29 Apr 2020	23 (1)	4.35
	Sierra Leone	31 Mar 2020	05 May 2020	199 (11)	5.53
	Burundi	31 Mar 2020	04 May 2020	15 (1)	6.67
	Malawi	02 Apr 2020	04 May 2020	41 (3)	7.32
	South Sudan	05 Apr 2020	05 May 2020	52	
	Sao Tome and Principe	06 Apr 2020	05 May 2020	23 (3)	13.04
				3,580,101 (252,023)	

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 cumulative count from last report*

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




COVID-19 epi curve of ASEAN Member States
Generated by ASEAN Biodiaspora Virtual Center (ABVC)
as of May 5, 2020
Epi curve of confirmed COVID-19 cases reported in the ASEAN region by date of report through May 5, 2020
19410
12071
9684
6383
2988
271
161
138
122
19
Thailand
Singapore
Vietnam
Malaysia
Cambodia
Philippines
Indonesia
Brunei
Myanmar
Lao PDR

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