

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

ASEAN Biodiaspora Virtual Center (ABVC)

as of April 24, 2020 (2:00 PM GMT+8)



COVID-19: Highlights and Situation Overview

- WHO Director-General Dr. Tedros, in his regular media briefing, cautioned that “we have a long way to go. This virus will be with us for a long time”. He added that “the world cannot go back to the way things were. There must be a “new normal” – a world that is healthier, safer and better prepared”.
- The Global Outbreak Alert and Response Network (GOARN) has launched a GOARN COVID-19 Knowledge hub. The hub is designed as a central repository of quality public health information, guidance, tools and webinars which can be accessed freely at any point.
- Jakarta's administration will extend wide-scale social restrictions by four weeks as the number of Indonesia's COVID-19 cases approached to more than 7000. The large-scale social distancing measures, which include a ban on gatherings of more than five people, limited public transport services and mandatory work-from-home, were extended until May 22.
- The Philippine government will extend the enhanced community quarantine (ECQ) in Metro Manila, Central Luzon, Calabarzon, and "all other high risk" areas until May 15. The initial enhanced community quarantine is due to end on April 30.
- Singapore's Health Minister declared Tuas South Dormitory, Jurong Penjuru Dormitory 2, CDPL Tuas Dormitory and the 21B Senoko Loop dormitory as isolation areas under the Infectious Diseases Act. As of April 23, there are now 25 dormitories declared as isolation areas. MOH said foreign workers in dormitories still form most of the new coronavirus cases. The S11 Dormitory in Punggol remains Singapore's largest active cluster with 2,234 confirmed cases. Accounting to almost 20% of all the cases.
- Thailand's Ministry of Public Health announced on April 23 that Malaysia, Cambodia, Laos, Indonesia and Myanmar have now been added to the list of countries and territories considered as high risk areas for infection.
- Brunei received medical supplies from China on evening of April 23 through Royal Brunei Airline charter flight. These included 100,000 N95 respirators and 1,000 disposable isolation gowns, on Wednesday evening. The Chinese ambassador to Brunei and the Brunei's Minister of Health attended the handover ceremony and both sides exchanged views on strengthening cooperation in containing and responding to the COVID-19 outbreak.
- As of 22 April, Japan changed the method of reporting deaths, which now includes both the number of (i) deceased cases with complete data matching and verification; and (ii) deceased cases whose data matching and verification are in progress. The notable increase in the number of deaths reported from Japan can be attributed to this change.

Travel Advisories

- Indonesia: Indonesia government announced today (April 24) that it will ban all air (both domestic and international commercial flights) and sea travel until June in an apparent effort to contain the spread of COVID-19 during the holiest period on the Islamic calendar. The ban will also apply to all types of public and private transportation by land and railway, except for vehicles carrying leaders of state institutions, police and military vehicles, ambulances, fire trucks, hearses and vehicles transporting logistical supplies, staple goods and medicines. The temporary ban takes effect today until June 1.
- Thailand: Thailand shut down a checkpoint along its border with Malaysia on April 23 after two officers tested positive for COVID-19 and 69 other officers who worked there were placed under quarantine. The closure of the border crossing point at Sadao in southern Songkhla province came only a few days after Thai authorities had re-opened it and four other checkpoints to allow some 4,000 Thai workers, who were stranded in Malaysia because of the country's lockdown, to return home in controlled numbers.

Cases and Deaths as of 24 April 2020

- As of April 24 (2PM, GMT+8), worldwide, there were **2,696,262** confirmed cases, including **189,206** deaths. Globally, Case Fatality Ratio (CFR)* is **7.02**.
- In **China**, there were **84,306** confirmed cases with **4,642** deaths, including deaths in Hong Kong (4) and Taiwan (6). Confirmed cases in China include confirmed cases in Hong Kong (1,036), Macau (45), and Taiwan (427).
- 2,611,956 confirmed cases** of COVID-19 have been reported in **210 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	23 Apr 2020	2,839 (50)	1.76
	Vietnam	23 Jan 2020	16 Apr 2020	268	
	Singapore	23 Jan 2020	23 Apr 2020	11,178 (12)	0.11
	Malaysia	25 Jan 2020	23 Apr 2020	5,603 (95)	1.70
	Cambodia	27 Jan 2020	12 Apr 2020	122	
	Philippines	30 Jan 2020	23 Apr 2020	6,981 (462)	6.62
	Indonesia	02 Mar 2020	23 Apr 2020	7,775 (647)	8.32
	Brunei	10 Mar 2020	23 Apr 2020	138 (1)	0.72
	Myanmar	23 Mar 2020	23 Apr 2020	132 (5)	3.79
	Lao PDR	24 Mar 2020	13 Apr 2020	19	
	Japan	16 Jan 2020	23 Apr 2020	12,656 (306)	2.42
	South Korea	20 Jan 2020	23 Apr 2020	10,702 (240)	2.24
	Nepal	24 Jan 2020	23 Apr 2020	47	
	Australia	25 Jan 2020	23 Apr 2020	6,661 (75)	1.13
	Sri Lanka	27 Jan 2020	23 Apr 2020	335 (7)	2.09
India	30 Jan 2020	23 Apr 2020	23,031 (721)	3.13	

	Afghanistan	24 Feb 2020	23 Apr 2020	1,226 (40)	3.26
	Pakistan	26 Feb 2020	23 Apr 2020	10,825 (228)	2.11
	New Zealand	28 Feb 2020	23 Apr 2020	1,451 (16)	1.10
	Bhutan	05 Mar 2020	23 Apr 2020	7	
	Maldives	07 Mar 2020	23 Apr 2020	94	
	Bangladesh	08 Mar 2020	23 Apr 2020	4,186 (127)	3.03
	Mongolia	10 Mar 2020	22 Apr 2020	35	
	Turkey	10 Mar 2020	23 Apr 2020	98,674 (2,376)	2.41
	French Polynesia	12 Mar 2020	22 Apr 2020	57	
	Guam	15 Mar 2020	23 Apr 2020	138 (5)	3.62
	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	21 Apr 2020	23	
	Northern Mariana Islands	28 Mar 2020	17 Apr 2020	14 (2)	14.29
AMERICAS	USA	21 Jan 2020	23 Apr 2020	867,089 (49,289)	5.68
	Canada	25 Jan 2020	23 Apr 2020	41,762 (2,199)	5.27
	Brazil	26 Feb 2020	23 Apr 2020	46,348 (2,934)	6.33
	Mexico	28 Feb 2020	23 Apr 2020	10,544 (970)	9.20
	Saint Martin	01 Mar 2020	23 Apr 2020	38 (2)	5.26
	Ecuador	01 Mar 2020	23 Apr 2020	11,183 (560)	5.01
	Dominican Republic	01 Mar 2020	23 Apr 2020	5,543 (265)	4.78
	Chile	03 Mar 2020	23 Apr 2020	11,812 (168)	1.42
	Argentina	03 Mar 2020	23 Apr 2020	3,288 (159)	4.84
	Peru	05 Mar 2020	23 Apr 2020	19,250 (530)	2.75
	Costa Rica	06 Mar 2020	23 Apr 2020	681 (6)	0.88
	Colombia	06 Mar 2020	23 Apr 2020	4,356 (206)	4.73
	French Guiana	06 Mar 2020	23 Apr 2020	107 (1)	0.93
	Martinique	06 Mar 2020	22 Apr 2020	164 (14)	8.54
	Paraguay	07 Mar 2020	22 Apr 2020	213 (9)	4.23
	Panama	10 Mar 2020	23 Apr 2020	4,992 (144)	2.88
	Bolivia	10 Mar 2020	23 Apr 2020	672 (40)	5.95
	Honduras	11 Mar 2020	23 Apr 2020	519 (47)	9.06
	Cuba	11 Mar 2020	23 Apr 2020	1,235 (43)	3.48
	Guyana	11 Mar 2020	23 Apr 2020	67 (7)	10.45
Jamaica	12 Mar 2020	23 Apr 2020	252 (6)	2.38	
St Vincent and the Grenadines	12 Mar 2020	22 Apr 2020	13		
Saint Lucia	13 Mar 2020	11 Apr 2020	15		
Trinidad and Tobago	13 Mar 2020	22 Apr 2020	115 (8)	6.96	
Venezuela	13 Mar 2020	23 Apr 2020	298 (10)	3.36	

Guatemala	13 Mar 2020	23 Apr 2020	342 (10)	2.92	
Uruguay	13 Mar 2020	23 Apr 2020	549 (12)	2.19	
Curacao	13 Mar 2020	09 Apr 2020	14 (1)	7.14	
Puerto Rico	13 Mar 2020	23 Apr 2020	1,378 (67)	4.86	
Suriname	13 Mar 2020	08 Apr 2020	10 (1)	10.00	
Antigua and Barbuda	13 Mar 2020	22 Apr 2020	24 (3)	12.50	
Guadeloupe	13 Mar 2020	22 Apr 2020	148 (12)	8.11	
Cayman Islands	13 Mar 2020	21 Apr 2020	66 (1)	1.52	
Aruba	14 Mar 2020	23 Apr 2020	100 (2)	2.00	
Bahamas	15 Mar 2020	23 Apr 2020	70 (9)	12.86	
US Virgin Islands	16 Mar 2020	23 Apr 2020	54 (3)	5.56	
Sint Maarten	17 Mar 2020	23 Apr 2020	73 (12)	16.44	
Montserrat	17 Mar 2020	13 Apr 2020	11		
Barbados	17 Mar 2020	23 Apr 2020	76 (6)	7.89	
El Salvador	18 Mar 2020	23 Apr 2020	250 (8)	3.20	
Nicaragua	18 Mar 2020	20 Apr 2020	10 (2)	20.00	
Bermuda	18 Mar 2020	23 Apr 2020	99 (5)	5.05	
Haiti	19 Mar 2020	23 Apr 2020	62 (4)	6.45	
Dominica	22 Mar 2020	11 Apr 2020	16		
Grenada	22 Mar 2020	23 Apr 2020	15		
Belize	23 Mar 2020	14 Apr 2020	18 (2)	11.11	
Turks and Caicos Islands	23 Mar 2020	17 Apr 2020	11 (1)	9.09	
Saint Kitts and Nevis	24 Mar 2020	20 Apr 2020	15		
British Virgin Islands	25 Mar 2020	20 Apr 2020	5 (1)	20.00	
Anguilla	26 Mar 2020	03 Apr 2020	3		
Caribbean Netherlands	01 Apr 2020	19 Apr 2020	5		
Falkland Islands	03 Apr 2020	23 Apr 2020	12		
Saint Pierre and Miquelon	05 Apr 2020	05 Apr 2020	1		
EUROPE	France	24 Jan 2020	23 Apr 2020	161,530 (21,856)	13.53
	Germany	27 Jan 2020	23 Apr 2020	150,729 (5,315)	3.53
	Finland	29 Jan 2020	23 Apr 2020	4,284 (172)	4.01
	Italy	30 Jan 2020	23 Apr 2020	189,973 (25,549)	13.45
	Russian Federation	31 Jan 2020	22 Apr 2020	62,773 (555)	0.88
	Spain	31 Jan 2020	23 Apr 2020	213,024 (22,157)	10.40
	Sweden	31 Jan 2020	23 Apr 2020	16,755 (2,021)	12.06
	United Kingdom of Great Britain	31 Jan 2020	23 Apr 2020	138,078 (18,738)	13.57
	Belgium	05 Feb 2020	23 Apr 2020	42,797 (6,490)	15.16
	Switzerland	25 Feb 2020	23 Apr 2020	28,496 (1,509)	5.30
	Austria	25 Feb 2020	23 Apr 2020	15,002 (522)	3.48

Croatia	25 Feb 2020	23 Apr 2020	1,981 (50)	2.52
Norway	26 Feb 2020	23 Apr 2020	7,361 (191)	2.59
Romania	26 Feb 2020	23 Apr 2020	10,096 (541)	5.36
Estonia	26 Feb 2020	23 Apr 2020	1,592 (45)	2.83
Georgia	26 Feb 2020	23 Apr 2020	420 (5)	1.19
North Macedonia	26 Feb 2020	23 Apr 2020	1,300 (56)	4.31
Greece	26 Feb 2020	23 Apr 2020	2,463 (125)	5.08
Denmark	27 Feb 2020	23 Apr 2020	8,073 (394)	4.88
San Marino	27 Feb 2020	23 Apr 2020	501 (40)	7.98
Lithuania	27 Feb 2020	23 Apr 2020	1,398 (38)	2.72
Netherlands	27 Feb 2020	23 Apr 2020	35,729 (4,177)	11.69
Azerbaijan	27 Feb 2020	23 Apr 2020	1,548 (20)	1.29
Belarus	28 Feb 2020	23 Apr 2020	8,022 (60)	0.75
Iceland	28 Feb 2020	23 Apr 2020	1,789 (10)	0.56
Ireland	28 Feb 2020	23 Apr 2020	17,607 (794)	4.51
Monaco	29 Feb 2020	17 Apr 2020	94 (3)	3.19
Czech Republic	01 Mar 2020	23 Apr 2020	7,138 (210)	2.94
Luxembourg	01 Mar 2020	23 Apr 2020	3,665 (83)	2.26
Armenia	01 Mar 2020	23 Apr 2020	1,523 (24)	1.58
Latvia	02 Mar 2020	23 Apr 2020	778 (11)	1.41
Portugal	02 Mar 2020	23 Apr 2020	22,353 (820)	3.67
Andorra	02 Mar 2020	23 Apr 2020	723 (37)	5.12
Liechtenstein	03 Mar 2020	21 Apr 2020	81 (1)	1.23
Ukraine	03 Mar 2020	23 Apr 2020	7,170 (187)	2.61
Slovenia	04 Mar 2020	23 Apr 2020	1,366 (79)	5.78
Hungary	04 Mar 2020	23 Apr 2020	2,284 (239)	10.46
Poland	04 Mar 2020	23 Apr 2020	10,511 (454)	4.32
Faroe Islands	04 Mar 2020	23 Apr 2020	187	
Bosnia and Herzegovina	05 Mar 2020	23 Apr 2020	1,413 (54)	3.82
Gibraltar	05 Mar 2020	17 Apr 2020	132	
Slovakia	06 Mar 2020	23 Apr 2020	1,325 (15)	1.13
Serbia	06 Mar 2020	23 Apr 2020	7,276 (139)	1.91
Vatican City	06 Mar 2020	10 Apr 2020	9	
Malta	07 Mar 2020	23 Apr 2020	445 (3)	0.67
Moldova	07 Mar 2020	23 Apr 2020	2,926 (80)	2.73
Bulgaria	08 Mar 2020	23 Apr 2020	1,081 (50)	4.63
Albania	09 Mar 2020	23 Apr 2020	663 (27)	4.07
Cyprus	09 Mar 2020	23 Apr 2020	795 (13)	1.64
Channel Islands	09 Mar 2020	23 Apr 2020	519 (29)	5.59
Jersey	10 Mar 2020	05 Apr 2020	126 (3)	2.38
Kazakhstan	13 Mar 2020	23 Apr 2020	2,289 (20)	0.87
Kosovo	13 Mar 2020	23 Apr 2020	630 (19)	3.02
Uzbekistan	15 Mar 2020	23 Apr 2020	1,716 (7)	0.41
Greenland	16 Mar 2020	05 Apr 2020	11	

	Montenegro	17 Mar 2020	23 Apr 2020	316 (5)	1.58
	Kyrgyzstan	18 Mar 2020	23 Apr 2020	631 (8)	1.27
	Isle of Man	19 Mar 2020	23 Apr 2020	307 (16)	5.21
MIDDLE EAST	UAE	29 Jan 2020	23 Apr 2020	8,756 (56)	0.64
	Iran	19 Feb 2020	23 Apr 2020	87,026 (5,481)	6.30
	Israel	21 Feb 2020	23 Apr 2020	14,592 (191)	1.31
	Lebanon	21 Feb 2020	23 Apr 2020	688 (22)	3.20
	Kuwait	24 Feb 2020	23 Apr 2020	2,399 (14)	0.58
	Oman	24 Feb 2020	23 Apr 2020	1,716 (8)	0.47
	Bahrain	24 Feb 2020	23 Apr 2020	2,098 (8)	0.38
	Iraq	24 Feb 2020	23 Apr 2020	1,677 (83)	4.95
	Qatar	29 Feb 2020	23 Apr 2020	7,764 (10)	0.13
	Saudi Arabia	02 Mar 2020	23 Apr 2020	13,930 (121)	0.87
	Jordan	02 Mar 2020	23 Apr 2020	435 (7)	1.61
	Palestine	05 Mar 2020	23 Apr 2020	480 (4)	0.83
	Syria	22 Mar 2020	22 Apr 2020	42 (3)	7.14
	Yemen	10 Apr 2020	10 Apr 2020	1	
AFRICA	Egypt	14 Feb 2020	23 Apr 2020	3,891 (287)	7.38
	Algeria	25 Feb 2020	23 Apr 2020	3,007 (407)	13.54
	Nigeria	28 Feb 2020	23 Apr 2020	873 (28)	3.21
	Tunisia	02 Mar 2020	23 Apr 2020	909 (38)	4.18
	Morocco	02 Mar 2020	23 Apr 2020	3,537 (151)	4.27
	Senegal	02 Mar 2020	23 Apr 2020	479 (6)	1.25
	South Africa	05 Mar 2020	23 Apr 2020	3,635 (65)	1.79
	Cameroon	06 Mar 2020	21 Apr 2020	1,163 (43)	3.70
	Togo	06 Mar 2020	23 Apr 2020	88 (6)	6.82
	Burkina Faso	09 Mar 2020	23 Apr 2020	609 (39)	6.40
	Democratic Republic of Congo	10 Mar 2020	23 Apr 2020	377 (25)	6.63
	Ivory Coast	11 Mar 2020	23 Apr 2020	952 (14)	1.47
	Reunion	11 Mar 2020	21 Apr 2020	410	
	Ghana	13 Mar 2020	22 Apr 2020	1,154 (9)	0.78
	Guinea	13 Mar 2020	23 Apr 2020	862 (6)	0.70
	Gabon	13 Mar 2020	23 Apr 2020	166 (2)	1.20
	Sudan	13 Mar 2020	23 Apr 2020	162 (13)	8.02
	Kenya	13 Mar 2020	23 Apr 2020	320 (14)	4.38
	Ethiopia	13 Mar 2020	23 Apr 2020	116 (3)	2.59
	Central African Republic	14 Mar 2020	21 Apr 2020	14	
	Seychelles	14 Mar 2020	06 Apr 2020	11	
	Rwanda	14 Mar 2020	23 Apr 2020	153	
	Namibia	14 Mar 2020	05 Apr 2020	16	
	Swaziland	14 Mar 2020	22 Apr 2020	31 (1)	3.23
	Mauritania	14 Mar 2020	14 Apr 2020	7 (1)	14.29
	Mayotte	14 Mar 2020	23 Apr 2020	326 (4)	1.23
	Equatorial Guinea	15 Mar 2020	23 Apr 2020	84 (1)	1.19
	Republic of Congo	15 Mar 2020	23 Apr 2020	186 (6)	3.23
	Benin	16 Mar 2020	20 Apr 2020	54 (1)	1.85
	Liberia	16 Mar 2020	22 Apr 2020	101 (8)	7.92
	Tanzania	16 Mar 2020	22 Apr 2020	284 (10)	3.52

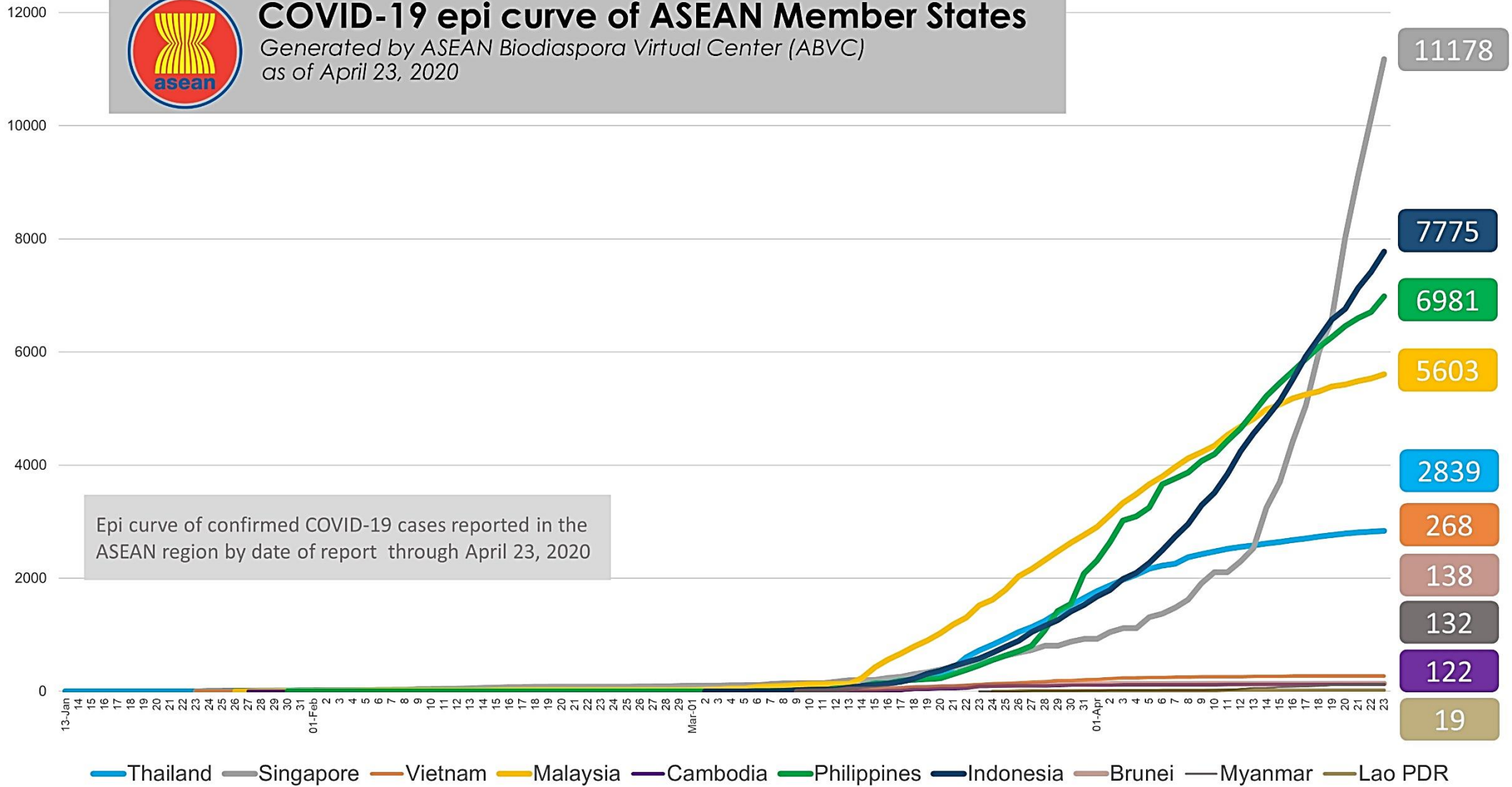
Somalia	16 Mar 2020	22 Apr 2020	286 (8)	2.80
Gambia	17 Mar 2020	20 Apr 2020	10 (1)	10.00
Zambia	17 Mar 2020	22 Apr 2020	74 (3)	4.05
Mauritius	18 Mar 2020	23 Apr 2020	329 (9)	2.74
Djibouti	18 Mar 2020	23 Apr 2020	986 (2)	0.20
Niger	19 Mar 2020	23 Apr 2020	662 (22)	3.32
Chad	19 Mar 2020	18 Apr 2020	33	
Zimbabwe	20 Mar 2020	23 Apr 2020	28 (4)	14.29
Cape Verde	20 Mar 2020	23 Apr 2020	82 (1)	1.22
Madagascar	20 Mar 2020	20 Apr 2020	121	
Uganda	21 Mar 2020	23 Apr 2020	63	
Eritrea	21 Mar 2020	19 Apr 2020	39	
Angola	21 Mar 2020	23 Apr 2020	25 (2)	8.00
Mozambique	22 Mar 2020	22 Apr 2020	41	
Libya	24 Mar 2020	23 Apr 2020	60 (1)	1.67
Guinea-Bissau	25 Mar 2020	20 Apr 2020	50	
Mali	25 Mar 2020	22 Apr 2020	293 (17)	5.80
Botswana	30 Mar 2020	23 Apr 2020	22 (1)	4.55
Sierra Leone	31 Mar 2020	22 Apr 2020	61	
Burundi	31 Mar 2020	22 Apr 2020	11 (1)	9.09
Malawi	02 Apr 2020	23 Apr 2020	33 (3)	9.09
South Sudan	05 Apr 2020	10 Apr 2020	4	
Sao Tome and Principe	06 Apr 2020	06 Apr 2020	4	
			2,611,956	
			(184,564)	

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

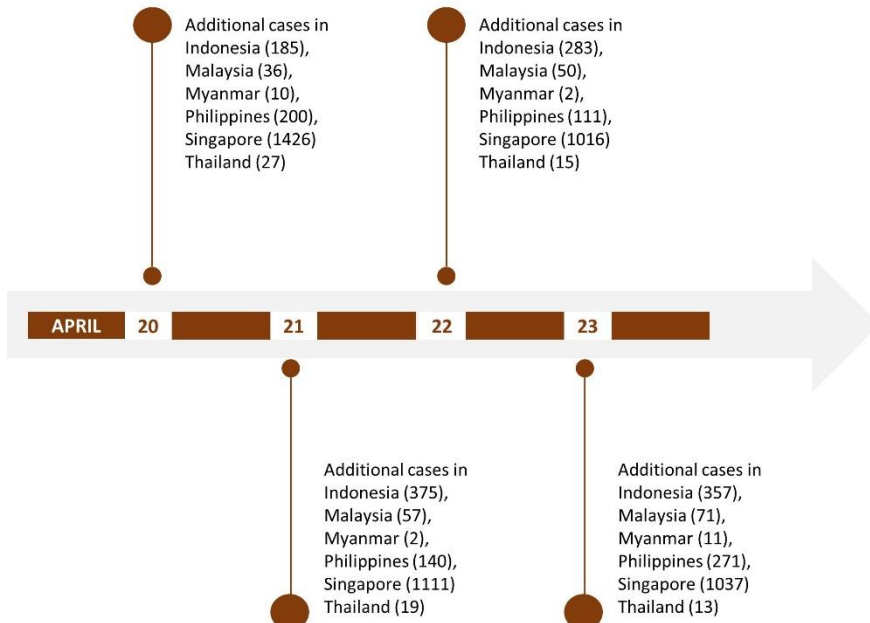
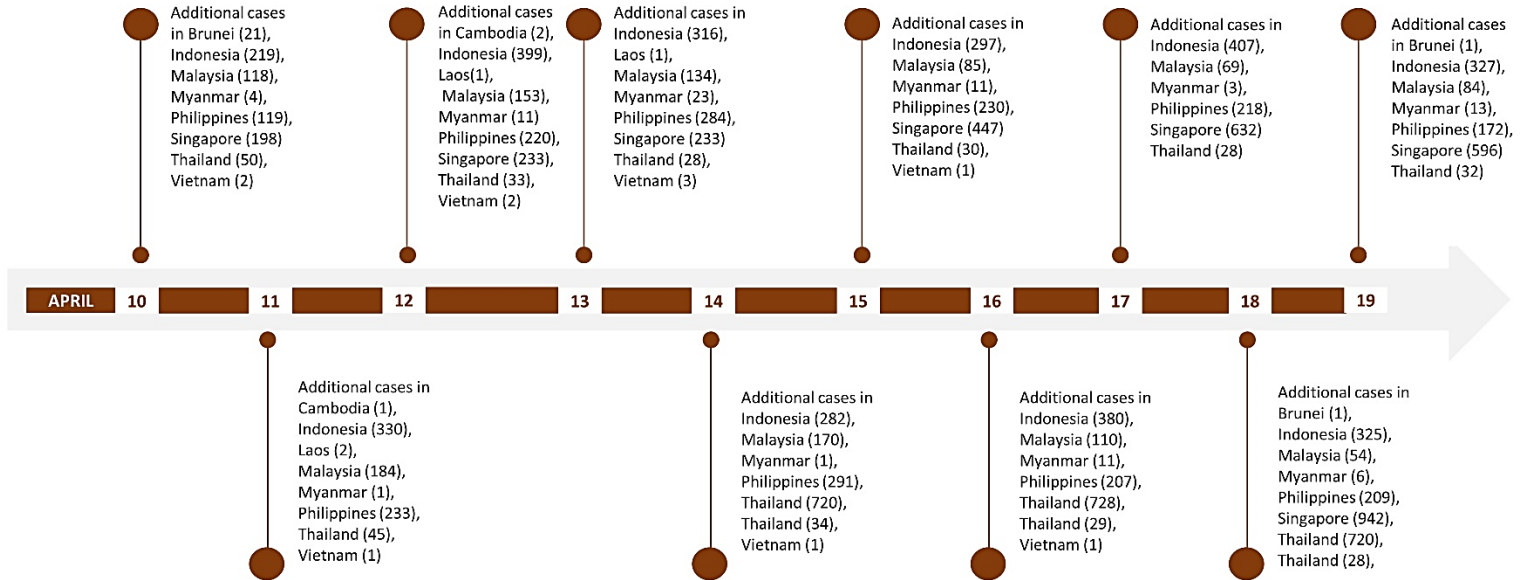


COVID-19 epi curve of ASEAN Member States

Generated by ASEAN Biodiaspora Virtual Center (ABVC)
as of April 23, 2020



Timeline of COVID-19: ASEAN (continuation)





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