

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

ASEAN Biodiaspora Virtual Center (ABVC)

as of August 26, 2020 (2:00 PM GMT+8)



COVID-19: Highlights and Situation Overview

- Worldwide, there have been over 23.9 million cases and more than 820,000 deaths attributed to COVID-19. Recently, a preview published in Cell reported findings of a mutated SARS-CoV-2 variant named D614G, which is becoming dominant around the world. With many Asian countries now experiencing a resurgence in cases, Malaysia has reported on August 16 that the mutation was detected in four new cases in the country. The mutated strain was also detected in the neighbouring Philippines, which is now seeing the worst outbreak in Southeast Asia. According to the research preview, there is so far no evidence to suggest that the D614G mutation will result in a more severe infection of the COVID-19 disease. Clinical data suggest that D614G changes the virus phenotype, but the impact of the mutation on transmission, disease, vaccine, and therapeutic development remains largely unknown. More extensive research is underway to understand how the D614G mutated strain will impact the pandemic.
- Brunei reported one new imported case of COVID-19 on Tuesday (August 25), bringing the national total COVID-19 cases to 144. According to Brunei's Ministry of Health, the case is a 36-year-old male arriving in Brunei on August 19 from abroad. The man reportedly had a fever upon arrival but no longer showed any signs of infection at present and is currently being treated at the National Isolation Center. The Ministry of Health has identified a total of 19 contacts, of which 14 have undergone the COVID-19 swab test and were confirmed negative, while the rest are still awaiting test results.
- Da Nang city (Vietnam) authorities will continue to issue 'market passes', which allow local residents to go shopping at traditional markets for odd or even days, for residents for another 15-day period from August 27 until further notice, in a bid to limit crowds and gatherings.
- Thailand's Interior Ministry has issued an order to provincial governors to follow up with repatriated Thais who return to their home provinces once released from state quarantine. The instruction comes after two women, recently returned from Dubai, tested positive several weeks after being released from quarantine.

Travel Advisories (new update/s)

- Singapore: According to the Ministry of Health today (August 26), stricter border measures will be implemented for travellers entering Singapore from South Korea due to a resurgence in COVID-19 cases in the country. From 12am on August 29, travellers with recent travel history, including transit, to South Korea within the last 14 days, will be required to serve a 14 day stay-home notice at dedicated facilities instead of their own place of residence. Travellers will also need to undergo a COVID-19 test before the end of their stay-home notice, in line with the current requirement
- Indonesia: Bali's borders are closed for foreign tourists for the rest of the year. The Indonesian island was set to lift restrictions on September 11, but the Bali governor said that it is still not safe to have people entering and leaving due to the COVID-19 pandemic. The government is still prohibiting its citizens from travelling abroad at least until the end of 2020. In addition, Indonesia and Singapore will start discussions on "green lane" arrangements to resume essential travel between the two neighbors. The ministry said such an

arrangement would “allow for essential travel to gradually resume in a manner that would safeguard public health and safety in both countries”.

Cases and Deaths as of 26 August 2020

- As of August 26 (2PM, GMT+8), worldwide, there were **23,994,639** confirmed cases, including **821,016** deaths. Globally, Case Fatality Ratio (CFR)* is **3.42**.
- In **China**, there were **90,225** confirmed cases with **4,718** deaths, including deaths in Hong Kong (77) and Taiwan (7). Confirmed cases in China include confirmed cases in Hong Kong (4,711), Macau (46), and Taiwan (487).
- **426,117 confirmed cases** of COVID-19 have been reported in the ASEAN region with a total of **10,142 deaths**.

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST REPORT ON CONFIRMED CASE(S)	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	CASE FATALITY RATIO	REPORTED CASES/100,000 POPULATION	REPORTED TESTS/100,000
ASEAN REGION	Brunei	10 Mar 2020	25 Aug 20	144	1	3	2.08	36.45	ND
	Cambodia	27 Jan 2020	14 Aug 20	273				1.89	ND
	Indonesia	02 Mar 2020	25 Aug 20	157,859	2,447	6,858	4.34	64.97	435.8
	Lao PDR	24 Mar 2020	14 Aug 20	22				0.35	ND
	Malaysia	25 Jan 2020	25 Aug 20	9,285	11	125	1.35	32.84	3654.6
	Myanmar	23 Mar 2020	25 Aug 20	504	30	6	1.19	0.94	266.8
	Philippines	30 Jan 2020	25 Aug 20	197,164	2,965	3,038	1.54	197.36	1969.8
	Singapore	23 Jan 2020	25 Aug 20	56,435	31	27	0.05	1,200.47	12,500.3
	Thailand	13 Jan 2020	25 Aug 20	3,402	5	58	1.70	5.07	583.7
	Vietnam	23 Jan 2020	24 Aug 20	1,029	7	27	2.64	1.14	139.7
			Subtotal	426,117	5,497	10,142			

- **23,478,304 confirmed cases** of COVID-19 have been reported in **204 countries/states** (other than China, Hong Kong, Taiwan, Macau, and ASEAN countries):

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST REPORT ON CONFIRMED CASE(S)	TOTAL CONFIRMED CASES	TOTAL CONFIRMED NEW CASES	TOTAL DEATHS	TOTAL NEW DEATHS	CASE FATALITY RATIO
ASIA PACIFIC	Japan	16 Jan 2020	25-Aug-20	62,507	760	1,181	5	1.89
	South Korea	20 Jan 2020	25-Aug-20	17,945	280	310	1	1.73
	Nepal	24 Jan 2020	25-Aug-20	33,533	855	164	7	0.49
	Australia	25 Jan 2020	25-Aug-20	25,053	137	525	8	2.10
	Sri Lanka	27 Jan 2020	25-Aug-20	2,971	12	12		0.40
	India	30 Jan 2020	25-Aug-20	3,231,612	66,731	59,608	1,162	1.84
	Afghanistan	24 Feb 2020	25-Aug-20	38,070	16	1,397	8	3.67
	Pakistan	26 Feb 2020	25-Aug-20	293,711	450	6,255	11	2.13
	New Zealand	28 Feb 2020	25-Aug-20	1,690	7	22		1.30
	Bhutan	05 Mar 2020	25-Aug-20	156	1			
	Maldives	07 Mar 2020	25-Aug-20	6,912	133	28	2	0.41
	Bangladesh	08 Mar 2020	25-Aug-20	299,628	2,545	4,028	45	1.34

	Mongolia	10 Mar 2020	15-Aug-20	298				0.00
	Turkey	10 Mar 2020	25-Aug-20	259,692	1,443	6,139	18	2.36
	French Polynesia	12 Mar 2020	22-Aug-20	298				
	Guam	15 Mar 2020	25-Aug-20	984	77	7		0.71
	New Caledonia	17 Mar 2020	08-Aug-20	23				0.00
	Fiji	18 Mar 2020	13-Aug-20	28		1		3.57
	Papua New Guinea	21 Mar 2020	25-Aug-20	419	18	4		0.95
	Timor Leste	21 Mar 2020	22-Aug-20	26				
	Northern Mariana Islands	28 Mar 2020	19-Aug-20	54		2		3.70
	North Korea	24 Jul 2020	24-Jul-20	1				
AMERICAS	USA	21 Jan 2020	25-Aug-20	5,941,148	33,707	181,960	1,025	3.06
	Canada	25 Jan 2020	25-Aug-20	125,834	714	9,123	9	7.25
	Brazil	26 Feb 2020	25-Aug-20	3,636,167	26,139	115,646	733	3.18
	Mexico	28 Feb 2020	25-Aug-20	563,705	3,541	60,800	320	10.79
	Saint Martin	01 Mar 2020	22-Aug-20	176		5		2.84
	Ecuador	01 Mar 2020	25-Aug-20	109,030	741	6,368	46	5.84
	Dominican Republic	01 Mar 2020	25-Aug-20	91,608	447	1,573	6	1.72
	Chile	03 Mar 2020	25-Aug-20	400,985	1,417	10,958	42	2.73
	Argentina	03 Mar 2020	25-Aug-20	350,867	8,713	7,366	381	2.10
	Peru	05 Mar 2020	25-Aug-20	600,438	6,112	27,813	150	4.63
	Costa Rica	06 Mar 2020	25-Aug-20	34,463	643	362	7	1.05
	Colombia	06 Mar 2020	25-Aug-20	551,696	10,549	17,612	296	3.19
	French Guiana	06 Mar 2020	22-Aug-20	8,797		55		0.63
	Martinique	06 Mar 2020	24-Aug-20	464	128	16		3.45
	Paraguay	07 Mar 2020	25-Aug-20	13,602	369	219	14	1.61
	Panama	10 Mar 2020	25-Aug-20	87,485	585	1,906	14	2.18
	Bolivia	10 Mar 2020	25-Aug-20	110,148	999	4,578	69	4.16
	Honduras	11 Mar 2020	25-Aug-20	55,479	968	1,683	29	3.03
	Cuba	11 Mar 2020	25-Aug-20	3,717	35	91		2.45
	Guyana	11 Mar 2020	25-Aug-20	1,029	74	31		3.01
	Jamaica	12 Mar 2020	25-Aug-20	1,612	83	16		0.99
	St Vincent and the Grenadines	12 Mar 2020	18-Aug-20	58				
	Saint Lucia	13 Mar 2020	19-Aug-20	26				
	Trinidad and Tobago	13 Mar 2020	25-Aug-20	1,184	153	15		1.27
	Venezuela	13 Mar 2020	25-Aug-20	40,338	774	337	8	0.84
	Guatemala	13 Mar 2020	24-Aug-20	68,533	345	2,611	17	3.81
	Uruguay	13 Mar 2020	25-Aug-20	1,533	6	42		2.74
	Curacao	13 Mar 2020	25-Aug-20	47	4	1		2.13

Puerto Rico	13 Mar 2020	25-Aug-20	30,720	102	395	5	1.29	
Suriname	13 Mar 2020	25-Aug-20	3,632	25	60	2	1.65	
Antigua and Barbuda	13 Mar 2020	19-Aug-20	94		3		3.19	
Guadeloupe	13 Mar 2020	22-Aug-20	771		15		1.95	
Cayman Islands	13 Mar 2020	20-Aug-20	208		1		0.48	
Aruba	14 Mar 2020	25-Aug-20	1,628	60	7		0.43	
Bahamas	15 Mar 2020	25-Aug-20	1,798	33	46	17	2.56	
US Virgin Islands	16 Mar 2020	25-Aug-20	998	14	12	1	1.20	
Sint Maarten	17 Mar 2020	25-Aug-20	408	12	17		4.17	
Montserrat	17 Mar 2020	03-Aug-20	13		1		7.69	
Barbados	17 Mar 2020	24-Aug-20	161	3	7		4.35	
El Salvador	18 Mar 2020	25-Aug-20	24,986	175	678	9	2.71	
Nicaragua	18 Mar 2020	18-Aug-20	4,311		133		3.09	
Bermuda	18 Mar 2020	25-Aug-20	168	1	9		5.36	
Haiti	19 Mar 2020	25-Aug-20	8,112	2	196		2.42	
Dominica	22 Mar 2020	24-Aug-20	20	1				
Grenada	22 Mar 2020	30-Jul-20	24					
Belize	23 Mar 2020	25-Aug-20	713	27	10	4	1.40	
Turks and Caicos Islands	23 Mar 2020	23-Aug-20	383		2		0.52	
Saint Kitts and Nevis	24 Mar 2020	12-Jul-20	17					
British Virgin Islands	25 Mar 2020	22-Aug-20	21		1		4.76	
Anguilla	26 Mar 2020	03-Apr-20	3					
Caribbean Netherlands	01 Apr 2020	18-Aug-20	13					
Falkland Islands	03 Apr 2020	25-Apr-20	13					
Saint Pierre and Miquelon	05 Apr 2020	19-Aug-20	5					
Saint Barthelemy	25 Jul 2020	19-Aug-20	16					
EUROPE	France	24 Jan 2020	25-Aug-20	248,158	3,304	30,528		12.30
	Germany	27 Jan 2020	25-Aug-20	236,905	788	9,338	3	3.94
	Finland	29 Jan 2020	25-Aug-20	7,981	43	335		4.20
	Italy	30 Jan 2020	25-Aug-20	261,174	876	35,445	4	13.57
	Russian Federation	31 Jan 2020	25-Aug-20	966,189	4,696	16,568	120	1.71
	Spain	31 Jan 2020	25-Aug-20	412,553	7,117	28,924	52	7.01
	Sweden	31 Jan 2020	25-Aug-20	86,891	170	5,814	1	6.69
	United Kingdom of Great Britain	31 Jan 2020	25-Aug-20	327,798	1,184	41,449	16	12.64
	Belgium	05 Feb 2020	25-Aug-20	82,092	156	9,996	4	12.18
	Switzerland	25 Feb 2020	25-Aug-20	40,262	202	2,002	1	4.97
	Austria	25 Feb 2020	25-Aug-20	25,706	211	733		2.85

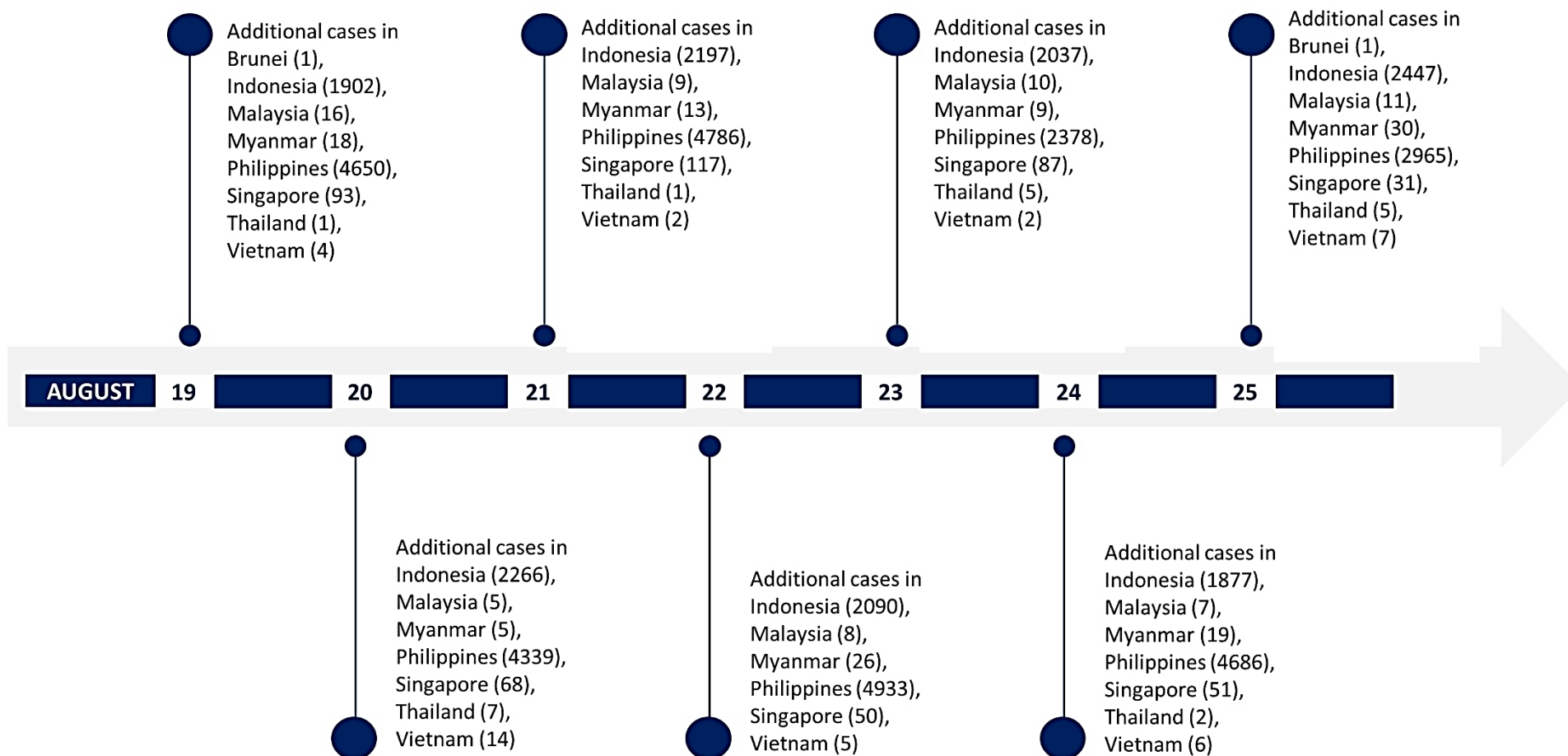
Croatia	25 Feb 2020	25-Aug-20	8,530	219	175	2	2.05
Norway	26 Feb 2020	25-Aug-20	10,426	103	264		2.53
Romania	26 Feb 2020	25-Aug-20	80,390	1,060	3,367	58	4.19
Estonia	26 Feb 2020	25-Aug-20	2,294	19	64		2.79
Georgia	26 Feb 2020	24-Aug-20	1,429	8	19	2	1.33
North Macedonia	26 Feb 2020	25-Aug-20	13,799	126	573	5	4.15
Greece	26 Feb 2020	25-Aug-20	8,987	168	243	1	2.70
Denmark	27 Feb 2020	25-Aug-20	16,480	83	623		3.78
San Marino	27 Feb 2020	25-Aug-20	710	6	42		5.92
Lithuania	27 Feb 2020	25-Aug-20	2,694	21	85		3.16
Netherlands	27 Feb 2020	25-Aug-20	67,543	415	6,207	5	9.19
Azerbaijan	27 Feb 2020	25-Aug-20	35,559	133	521	2	1.47
Belarus	28 Feb 2020	25-Aug-20	70,727	82	652	6	0.92
Iceland	28 Feb 2020	25-Aug-20	2,077	4	10		0.48
Ireland	28 Feb 2020	25-Aug-20	28,201	85	1,777		6.30
Monaco	29 Feb 2020	21-Aug-20	112		1		0.89
Czech Republic	01 Mar 2020	25-Aug-20	22,181	258	415	3	1.87
Luxembourg	01 Mar 2020	25-Aug-20	7,794	19	124		1.59
Armenia	01 Mar 2020	25-Aug-20	42,936	111	858	4	2.00
Latvia	02 Mar 2020	25-Aug-20	1,342	5	33		2.46
Portugal	02 Mar 2020	25-Aug-20	55,912	192	1,805	4	3.23
Andorra	02 Mar 2020	25-Aug-20	1,060	15	53		5.00
Liechtenstein	03 Mar 2020	25-Aug-20	102	2	1		0.98
Ukraine	03 Mar 2020	25-Aug-20	108,415	1,661	2,318	25	2.14
Slovenia	04 Mar 2020	25-Aug-20	2,686	11	133		4.95
Hungary	04 Mar 2020	25-Aug-20	5,215	24	614	1	11.77
Poland	04 Mar 2020	25-Aug-20	63,073	763	1,977	17	3.13
Faroe Islands	04 Mar 2020	25-Aug-20	411	1			
Bosnia and Herzegovina	05 Mar 2020	25-Aug-20	18,326	297	560	13	3.06
Gibraltar	05 Mar 2020	25-Aug-20	256	8			
Slovakia	06 Mar 2020	25-Aug-20	3,452	28	33		0.96
Serbia	06 Mar 2020	25-Aug-20	30,820	106	705	4	2.29
Vatican City	06 Mar 2020	08-May-20	12				
Malta	07 Mar 2020	25-Aug-20	1,705	38	10		0.59
Moldova	07 Mar 2020	25-Aug-20	34,358	530	960	15	2.79
Bulgaria	08 Mar 2020	25-Aug-20	15,386	99	563	18	3.66
Albania	09 Mar 2020	25-Aug-20	8,759	154	259	5	2.96
Cyprus	09 Mar 2020	25-Aug-20	1,451	30	20		1.38
Channel Islands	09 Mar 2020	24-Aug-20	616	2	48		7.79
Jersey	10 Mar 2020	25-Aug-20	368	5	32		8.70
Kazakhstan	13 Mar 2020	25-Aug-20	104,902	184	1,523	108	1.45
Kosovo	13 Mar 2020	23-Aug-20	12,448		467		3.75
Uzbekistan	15 Mar 2020	24-Aug-20	39,641	485	284	7	0.72

	Greenland	16 Mar 2020	27-Jul-20	14				
	Montenegro	17 Mar 2020	25-Aug-20	4,378	35	84		1.92
	Kyrgyzstan	18 Mar 2020	25-Aug-20	43,245	119	1,057		2.44
	Isle of Man	19 Mar 2020	21-May-20	336		24		7.14
	Tajikistan	30 Apr 2020	25-Aug-20	8,379	33	67		0.80
MIDDLE EAST	UAE	29 Jan 2020	25-Aug-20	67,621	339	377	1	0.56
	Iran	19 Feb 2020	24-Aug-20	361,150	2,245	20,776	133	5.75
	Israel	21 Feb 2020	25-Aug-20	105,252	1,978	856	17	0.81
	Lebanon	21 Feb 2020	25-Aug-20	13,687	532	138	12	1.01
	Kuwait	24 Feb 2020	25-Aug-20	81,573	613	519	1	0.64
	Oman	24 Feb 2020	25-Aug-20	84,652	143	642	5	0.76
	Bahrain	24 Feb 2020	25-Aug-20	49,719	389	185	1	0.37
	Iraq	24 Feb 2020	25-Aug-20	211,947	3,962	6,596	77	3.11
	Qatar	29 Feb 2020	25-Aug-20	117,498	232	194		0.17
	Saudi Arabia	02 Mar 2020	25-Aug-20	309,768	1,114	3,722	31	1.20
	Jordan	02 Mar 2020	25-Aug-20	1,716	77	14		0.82
	Palestine	05 Mar 2020	25-Aug-20	26,162	585	150	3	0.57
	Syria	22 Mar 2020	25-Aug-20	2,293	76	92	3	4.01
	Yemen	10 Apr 2020	25-Aug-20	1,916	5	555	2	28.97
AFRICA	Egypt	14 Feb 2020	25-Aug-20	97,478	138	5,280	18	5.42
	Algeria	25 Feb 2020	25-Aug-20	42,228	370	1,456	10	3.45
	Nigeria	28 Feb 2020	25-Aug-20	52,548	321	1,004	2	1.91
	Tunisia	02 Mar 2020	24-Aug-20	2,893	75	71		2.45
	Morocco	02 Mar 2020	24-Aug-20	53,252	903	920	32	1.73
	Senegal	02 Mar 2020	25-Aug-20	13,056	43	274	2	2.10
	South Africa	05 Mar 2020	25-Aug-20	611,450	1,677	13,159	100	2.15
	Cameroon	06 Mar 2020	20-Aug-20	18,762		408		2.17
	Togo	06 Mar 2020	25-Aug-20	1,295	18	27		2.08
	Burkina Faso	09 Mar 2020	25-Aug-20	1,338	10	55		4.11
	Democratic Republic of Congo	10 Mar 2020	25-Aug-20	9,981	49	251		2.51
	Ivory Coast	11 Mar 2020	25-Aug-20	17,506	35	114	1	0.65
	Reunion	11 Mar 2020	25-Aug-20	1,244	35	5		0.40
	Ghana	13 Mar 2020	25-Aug-20	43,717	95	270	7	0.62
	Guinea	13 Mar 2020	24-Aug-20	9,076	109	55	2	0.61
	Gabon	13 Mar 2020	24-Aug-20	8,409	21	53		0.63
	Sudan	13 Mar 2020	25-Aug-20	12,974	138	819	4	6.31
	Kenya	13 Mar 2020	25-Aug-20	32,803	246	559	5	1.70
	Ethiopia	13 Mar 2020	25-Aug-20	43,688	1,545	709	17	1.62
	Central African Republic	14 Mar 2020	18-Aug-20	4,679		61		1.30
	Seychelles	14 Mar 2020	19-Aug-20	132				
	Rwanda	14 Mar 2020	25-Aug-20	3,306	217	14	2	0.42
	Namibia	14 Mar 2020	25-Aug-20	6,160	130	57	1	0.93
	Swaziland	14 Mar 2020	25-Aug-20	4,304	79	85		1.97
	Mauritania	14 Mar 2020	25-Aug-20	6,928	23	158		2.28
	Mayotte	14 Mar 2020	21-Aug-20	3,237		39		1.20
	Equatorial Guinea	15 Mar 2020	21-Aug-20	4,926		83		1.68
	Republic of Congo	15 Mar 2020	25-Aug-20	3,979	129	78	1	1.96
	Benin	16 Mar 2020	23-Aug-20	2,115		39		1.84
	Liberia	16 Mar 2020	25-Aug-20	1,295	5	82		6.33
Tanzania	16 Mar 2020	15-May-20	509		21		4.13	

Somalia	16 Mar 2020	22-Aug-20	3,269		93		2.84
Gambia	17 Mar 2020	25-Aug-20	2,686	249	90	6	3.35
Zambia	17 Mar 2020	25-Aug-20	11,148	66	280		2.51
Mauritius	18 Mar 2020	25-Aug-20	347	1	10		2.88
Djibouti	18 Mar 2020	24-Aug-20	5,383	1	60		1.11
Niger	19 Mar 2020	22-Aug-20	1,172		69		5.89
Chad	19 Mar 2020	24-Aug-20	987	1	76		7.70
Zimbabwe	20 Mar 2020	25-Aug-20	6,070	140	155		2.55
Cape Verde	20 Mar 2020	25-Aug-20	3,532	23	37		1.05
Madagascar	20 Mar 2020	25-Aug-20	14,475	73	178		1.23
Uganda	21 Mar 2020	25-Aug-20	2,426	64	25	3	1.03
Eritrea	21 Mar 2020	20-Aug-20	306				
Angola	21 Mar 2020	25-Aug-20	2,222	51	100	4	4.50
Mozambique	22 Mar 2020	24-Aug-20	3,440	45	21	1	0.61
Libya	24 Mar 2020	25-Aug-20	11,281	272	203	4	1.80
Guinea-Bissau	25 Mar 2020	20-Aug-20	2,149		33		1.54
Mali	25 Mar 2020	24-Aug-20	2,708	3	125		4.62
Botswana	30 Mar 2020	24-Aug-20	1,562	254	3		0.19
Sierra Leone	31 Mar 2020	25-Aug-20	1,997	5	69		3.46
Burundi	31 Mar 2020	23-Aug-20	430	1	1		0.23
Malawi	02 Apr 2020	25-Aug-20	5,419	5	169	1	3.12
South Sudan	05 Apr 2020	24-Aug-20	2,504	5	47		1.88
Sao Tome and Principe	06 Apr 2020	23-Aug-20	892		15		1.68
Lesotho	13May 2020	21-Aug-20	1,015		30		2.96
			23,478,304	217,620	806,156	5,486	

*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

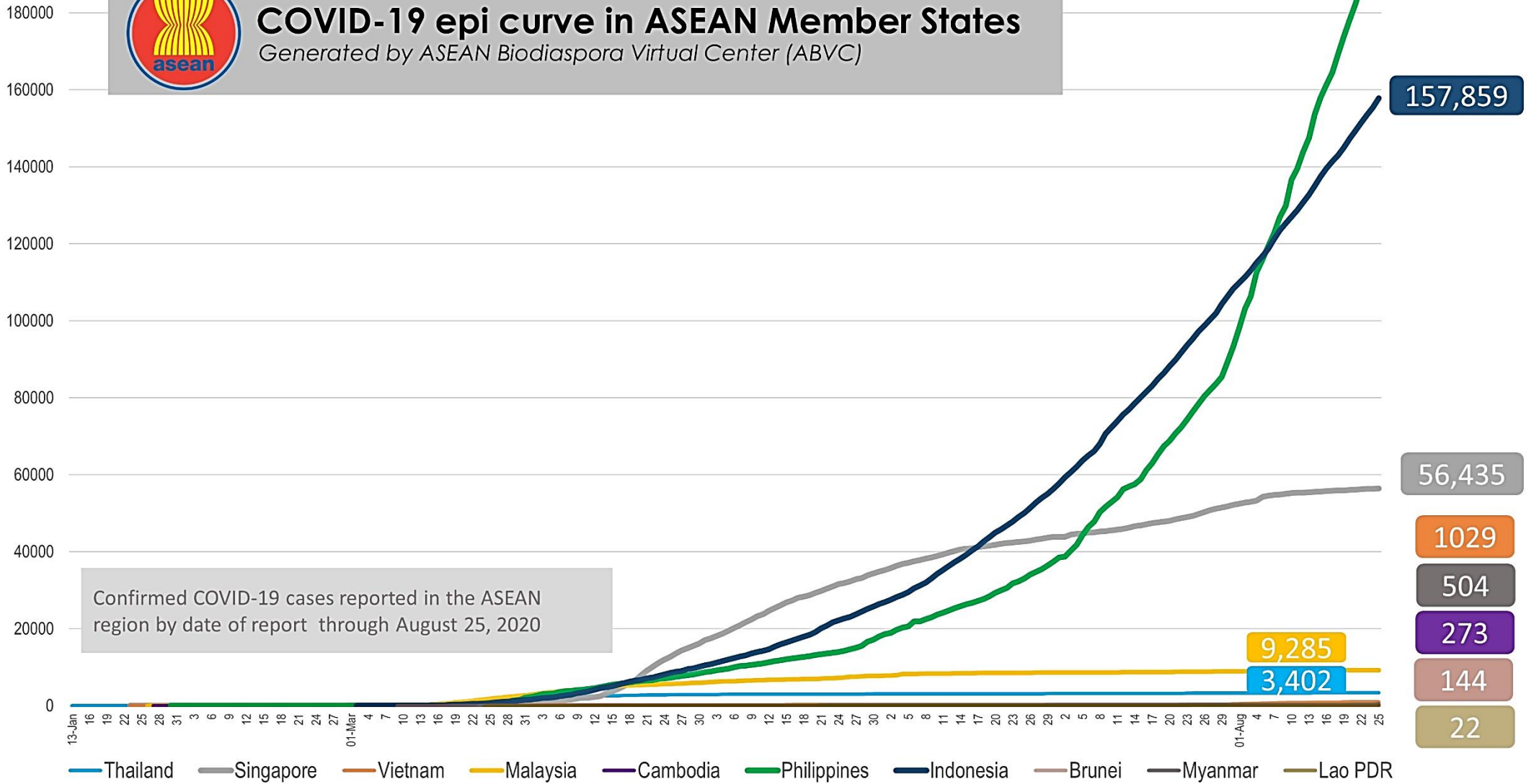
Timeline of COVID-19: ASEAN *(continuation)*





COVID-19 epi curve in ASEAN Member States

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