

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

ASEAN Biodiaspora Virtual Center (ABVC)

as of October 16, 2020 (2:00 PM GMT+8)



COVID-19: Highlights and Situation Overview

- Worldwide, there have been over 38.6 million cases and more than 1.09 million deaths attributed to COVID-19. The United States (U.S.) cases topped 8 million on Thursday (October 15), rising by 1 million in less than a month. The country reported 60,000 infections on Wednesday, the highest since August 14, with rising cases in every region, especially the Midwest. Since the pandemic started, over 217,000 people have died in the U.S. from COVID-19.
- Sinovac Biotech may start late-stage trials of its coronavirus vaccine in the Philippines as early as next month according to Food and Drugs Administration (FDA) chief. Philippines' FDA expects to receive the Chinese drug maker's formal application for phase three clinical trials within two weeks and regulators will make a decision after their evaluation. A Sinovac spokesman, meanwhile, confirmed that materials had been provided to the Philippines in the hope of starting Phase 3 trials, but has given no timeframe. In addition, Philippines announced on October 16 that persons aged 15 to 65 years old are now allowed to go out of their homes during community quarantine. However, according to Presidential spokesperson, Local Government Units (LGUs) may impose a higher age limit for minors, depending on the COVID-19 situation in their respective jurisdictions. Philippines reported 2,261 new COVID-19 cases, bringing the total number of cases to 348,698.
- Indonesia reported 4,411 new COVID-19 cases on October 15, taking its total number of COVID-19 cases to 349,160, surpassing the Philippines to become the country in Southeast Asia with the highest number of cases. Indonesia also reports 112 new COVID-19 deaths, with total fatalities reaching 12,268. On Thursday (October 15), the national COVID-19 task force has called on regional administrations not to let their guards down even if their region has been downgraded to an orange or green zone. According to task force spokesperson Wiku Adisasmito, there are currently 34 regions and cities that have been consistently classified as orange zones, meaning there is a medium risk of COVID-19 infection for six consecutive weeks. They comprise 12 regions/cities in North Sumatra, 11 in Central Java and 11 in East Java. He called on regional administrations to continue stepping up their testing, tracing and treatment (3T) efforts, while proactively engaging with the central government whenever they need equipment such as reagent for testing, medicines and many other things.

Travel Advisories (new update/s)

- Singapore: Singapore and Hong Kong announced on Thursday (October 15) that both cities will set up a travel bubble as they moved to re-establish overseas travel links and lift the hurdle of quarantine for visiting foreigners. Hong Kong's Commerce Secretary Edward Yau and Singapore's Transport Minister Ong Ye Kung said travelers under the scheme would need to get negative COVID-19 test results and travel on dedicated flights. Further details, including the launch date, will be fleshed out in coming weeks, they said. However, according to the Singapore's Transport Minister, the newly announced bilateral air travel bubble will be suspended if there is a spike in COVID-19 infection rates in Singapore or in Hong Kong.

Cases and Deaths as of 16 October 2020

- As of October 16 (2PM, GMT+8), worldwide, there were **39,097,596** confirmed cases, including **1,101,926** deaths. Globally, Case Fatality Rate (CFR) is **2.82**.
- In **China**, there were **91,459** confirmed cases with **4,746** deaths, including deaths in Hong Kong (105) and Taiwan (7). Confirmed cases in China include confirmed cases in Hong Kong (5,214), Macau (92), and Taiwan (531).
- 795,744 confirmed cases** of COVID-19 have been reported in the ASEAN region with a total of **19,380 deaths**.

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST REPORT ON CONFIRMED CASE(S)	TOTAL CONFIRMED CASES	NEW CASES	TOTAL DEATHS	NEW DEATHS	CASE FATALITY RATE	REPORTED CASES/100,000	REPORTED TESTS/100,000	RT MEAN **
ASEAN REGION	Brunei	10 Mar 20	15-Oct-20	147	1	3	-	2.04	33.9	NA	NA
	Cambodia	27 Jan 20	10-Oct-20	283	-	-	-		1.7	NA	NA
	Indonesia	02 Mar 20	15-Oct-20	349,160	4,411	12,268	112	3.51	129.0	883.1	1.0
	Lao PDR	24 Mar 20	11-Sep-20	23	-	-	-		0.3	NA	NA
	Malaysia	25 Jan 20	15-Oct-20	18,129	589	170	3	0.94	56.7	5520.7	1.2
	Myanmar	23 Mar 20	15-Oct-20	32,351	1,026	765	33	2.36	59.9	584	1.0
	Philippines	30 Jan 20	15-Oct-20	348,698	2,261	6,497	48	1.86	322.5	3585.6	1.0
	Singapore	23 Jan 20	15-Oct-20	57,892	3	28	-	0.05	1015.0	56241	0.7
	Thailand	13 Jan 20	15-Oct-20	3,665	13	59	-	1.61	5.3	663.2	0.9
	Vietnam	23 Jan 20	15-Oct-20	1,124	2	35	-	3.11	1.2	1292.2	NA
				811,472	8,306	19,825	196				

*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

**Rt Transmission Rate: the average number of secondary cases caused by each infectious individual, based on the daily incidence of new cases over the previous seven days

- 38,194,665 confirmed cases** of COVID-19 have been reported in **206 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	NEW CASES	TOTAL DEATHS	NEW DEATHS	CASE FATALITY RATIO
ASIA PACIFIC	Japan	16 Jan 2020	15-Oct-20	90,710	570	1,646	8	1.81
	South Korea	20 Jan 2020	15-Oct-20	24,988	99	439	1	1.76
	Nepal	24 Jan 2020	15-Oct-20	121,745	3,749	694	19	0.57
	Australia	25 Jan 2020	15-Oct-20	27,362	21	904	-	3.30
	Sri Lanka	27 Jan 2020	15-Oct-20	5,219	49	13	-	0.25
	India	30 Jan 2020	15-Oct-20	7,365,509	63,279	112,146	868	1.52
	Afghanistan	24 Feb 2020	15-Oct-20	40,026	32	1,481	1	3.70
	Pakistan	26 Feb 2020	15-Oct-20	321,218	755	6,614	13	2.06
	New Zealand	28 Feb 2020	15-Oct-20	1,876	2	25	-	1.33
	Bhutan	05 Mar 2020	15-Oct-20	316	3	-	-	
	Maldives	07 Mar 2020	14-Oct-20	11,062	-	35	-	0.32
	Bangladesh	08 Mar 2020	15-Oct-20	384,559	1,600	5,608	15	1.46
	Mongolia	10 Mar 2020	13-Oct-20	320	-	-	-	
Turkey	10 Mar 2020	15-Oct-20	342,143	1,693	9,080	66	2.65	

	French Polynesia	12 Mar 2020	15-Oct-20	3,573	322	13	2	0.36
	Guam	15 Mar 2020	15-Oct-20	3,427	86	61	-	1.78
	New Caledonia	17 Mar 2020	26-Sep-20	27	-	-	-	
	Fiji	18 Mar 2020	09-Sep-20	32	-	2	-	6.25
	Papua New Guinea	21 Mar 2020	14-Oct-20	575	-	7	-	1.22
	Timor Leste	21 Mar 2020	12-Oct-20	29	-	-	-	
	Northern Mariana Islands	28 Mar 2020	11-Oct-20	77	-	2	-	2.60
	North Korea	24 Jul 2020	24-Jul-20	1	-	-	-	
	Solomon Islands	03 Oct 2020	15-Oct-20	3	1	-	-	
AMERICAS	USA	21 Jan 2020	15-Oct-20	8,197,664	51,351	222,455	665	2.71
	Canada	25 Jan 2020	15-Oct-20	191,344	2,360	9,698	36	5.07
	Brazil	26 Feb 2020	15-Oct-20	5,141,498	635	151,779	716	2.95
	Mexico	28 Feb 2020	15-Oct-20	836,769	4,056	84,898	478	10.15
	Saint Martin	01 Mar 2020	14-Oct-20	501	-	8	-	1.60
	Ecuador	01 Mar 2020	14-Oct-20	149,083	-	12,264	-	8.23
	Dominican Republic	01 Mar 2020	14-Oct-20	119,662	-	2,186	-	1.83
	Chile	03 Mar 2020	15-Oct-20	486,496	1,124	13,434	19	2.76
	Argentina	03 Mar 2020	14-Oct-20	931,967	-	24,921	-	2.67
	Peru	05 Mar 2020	15-Oct-20	856,951	2,977	33,512	93	3.91
	Costa Rica	06 Mar 2020	14-Oct-20	91,780	-	1,134	-	1.24
	Colombia	06 Mar 2020	14-Oct-20	930,159	-	28,306	-	3.04
	French Guiana	06 Mar 2020	15-Oct-20	10,233	31	69	-	0.67
	Martinique	06 Mar 2020	14-Oct-20	2,257	-	24	-	1.06
	Paraguay	07 Mar 2020	15-Oct-20	51,845	648	1,131	35	2.18
	Panama	10 Mar 2020	15-Oct-20	122,128	832	2,519	8	2.06
	Bolivia	10 Mar 2020	15-Oct-20	139,141	219	8,377	26	6.02
	Honduras	11 Mar 2020	13-Oct-20	85,458	606	2,533	5	2.96
	Cuba	11 Mar 2020	15-Oct-20	6,062	27	123	-	2.03
	Guyana	11 Mar 2020	14-Oct-20	3,589	-	106	-	2.95
	Jamaica	12 Mar 2020	15-Oct-20	8,067	78	160	9	1.98
	St Vincent and the Grenadines	12 Mar 2020	12-Sep-20	64	-	-	-	
	Saint Lucia	13 Mar 2020	15-Oct-20	31	2	-	-	
	Trinidad and Tobago	13 Mar 2020	14-Oct-20	5,154	-	93	-	1.80
	Venezuela	13 Mar 2020	15-Oct-20	85,005	614	714	-	0.84
	Guatemala	13 Mar 2020	15-Oct-20	99,765	671	3,453	23	3.46
	Uruguay	13 Mar 2020	14-Oct-20	2,337	-	51	-	2.18
	Curacao	13 Mar 2020	14-Oct-20	645	-	1	-	0.16
	Puerto Rico	13 Mar 2020	15-Oct-20	56,085	569	743	1	1.32

Suriname	13 Mar 2020	15-Oct-20	5,083	11	108	1	2.12	
Antigua and Barbuda	13 Mar 2020	14-Oct-20	112	-	3	-	2.68	
Guadeloupe	13 Mar 2020	13-Oct-20	6,908	-	96	-	1.39	
Cayman Islands	13 Mar 2020	15-Oct-20	225	4	1	-	0.44	
Aruba	14 Mar 2020	14-Oct-20	4,255	-	32	-	0.75	
Bahamas	15 Mar 2020	15-Oct-20	5,385	194	112	3	2.08	
US Virgin Islands	16 Mar 2020	04-Oct-20	1,327	-	20	-	1.51	
Sint Maarten	17 Mar 2020	15-Oct-20	729	10	22	-	3.02	
Montserrat	17 Mar 2020	03-Aug-20	13	-	1	-	7.69	
Barbados	17 Mar 2020	15-Oct-20	215	5	7	-	3.26	
El Salvador	18 Mar 2020	15-Oct-20	31,061	295	908	4	2.92	
Nicaragua	18 Mar 2020	13-Oct-20	5,353	-	154	-	2.88	
Bermuda	18 Mar 2020	14-Oct-20	185	-	9	-	4.86	
Haiti	19 Mar 2020	14-Oct-20	8,908	-	231	-	2.59	
Dominica	22 Mar 2020	15-Oct-20	33	1	-	-		
Grenada	22 Mar 2020	14-Oct-20	25	-	-	-		
Belize	23 Mar 2020	15-Oct-20	2,619	34	40	1	1.53	
Turks and Caicos Islands	23 Mar 2020	11-Oct-20	696	-	6	-	0.86	
Saint Kitts and Nevis	24 Mar 2020	20-Sep-20	19	-	-	-		
British Virgin Islands	25 Mar 2020	24-Sep-20	71	-	1	-	1.41	
Anguilla	26 Mar 2020	03-Apr-20	3	-	-	-		
Caribbean Netherlands	01 Apr 2020	14-Oct-20	150	-	2	-	1.33	
Falkland Islands	03 Apr 2020	25-Apr-20	13	-	-	-		
Saint Pierre and Miquelon	05 Apr 2020	24-Sep-20	16	-	-	-		
Saint Barthelemy	25 Jul 2020	15-Oct-20	67	2	-	-		
EUROPE	France	24 Jan 2020	15-Oct-20	809,684	30,621	33,125	88	4.09
	Germany	27 Jan 2020	15-Oct-20	345,686	5,964	9,795	36	2.83
	Finland	29 Jan 2020	15-Oct-20	12,944	241	350	-	2.70
	Italy	30 Jan 2020	15-Oct-20	381,602	8,803	36,372	83	9.53
	Russian Federation	31 Jan 2020	15-Oct-20	1,354,163	13,754	23,491	286	1.73
	Spain	31 Jan 2020	15-Oct-20	921,374	12,868	33,553	140	3.64
	Sweden	31 Jan 2020	15-Oct-20	102,407	1,075	5,910	3	5.77
	United Kingdom of Great Britain	31 Jan 2020	15-Oct-20	673,622	18,978	43,293	138	6.43
	Belgium	05 Feb 2020	15-Oct-20	181,511	8,271	10,278	34	5.66
	Switzerland	25 Feb 2020	15-Oct-20	71,317	2,613	2,110	2	2.96
	Austria	25 Feb 2020	15-Oct-20	60,224	1,552	877	5	1.46
	Croatia	25 Feb 2020	15-Oct-20	22,534	793	344	10	1.53

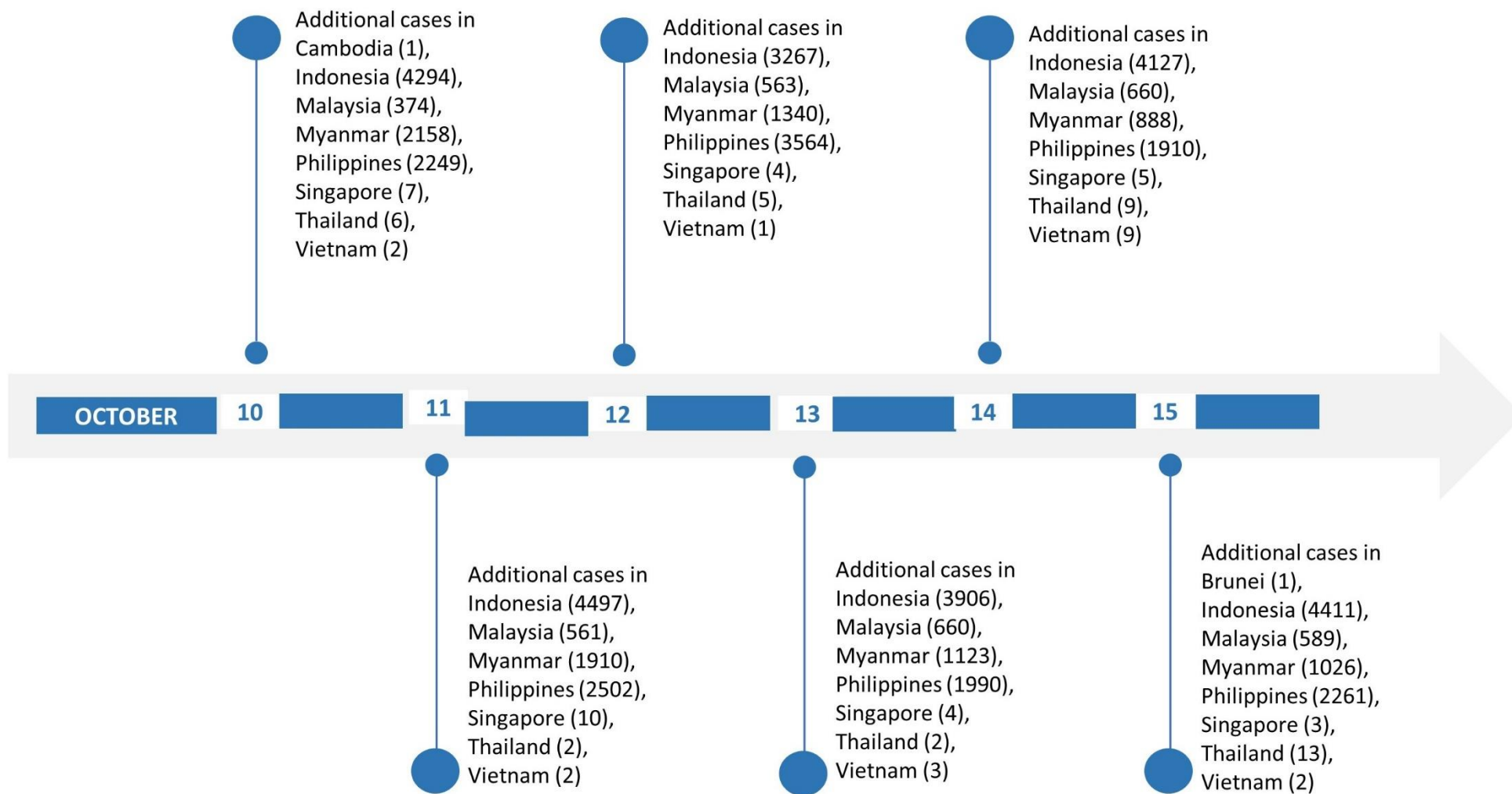
Norway	26 Feb 2020	15-Oct-20	16,050	97	278	1	1.73
Romania	26 Feb 2020	15-Oct-20	168,490	4,013	5,674	73	3.37
Estonia	26 Feb 2020	15-Oct-20	3,980	33	68	-	1.71
Georgia	26 Feb 2020	15-Oct-20	14,440	919	113	4	0.78
North Macedonia	26 Feb 2020	15-Oct-20	22,170	534	815	6	3.68
Greece	26 Feb 2020	15-Oct-20	23,947	452	482	13	2.01
Denmark	27 Feb 2020	15-Oct-20	34,023	430	677	2	1.99
San Marino	27 Feb 2020	08-Oct-20	741	-	42	-	5.67
Lithuania	27 Feb 2020	15-Oct-20	6,760	255	110	1	1.63
Netherlands	27 Feb 2020	15-Oct-20	203,954	7,791	6,692	29	3.28
Azerbaijan	27 Feb 2020	15-Oct-20	42,750	-	616	-	1.44
Belarus	28 Feb 2020	15-Oct-20	85,734	613	916	5	1.07
Iceland	28 Feb 2020	15-Oct-20	3,837	80	10	-	0.26
Ireland	28 Feb 2020	15-Oct-20	46,429	1,186	1,838	3	3.96
Monaco	29 Feb 2020	14-Oct-20	248	-	2	-	0.81
Czech Republic	01 Mar 2020	15-Oct-20	139,290	3,865	1,172	14	0.84
Luxembourg	01 Mar 2020	15-Oct-20	10,244	214	133	-	1.30
Armenia	01 Mar 2020	15-Oct-20	59,995	1,371	1,046	7	1.74
Latvia	02 Mar 2020	15-Oct-20	3,056	114	41	-	1.34
Portugal	02 Mar 2020	15-Oct-20	93,294	2,101	2,128	11	2.28
Andorra	02 Mar 2020	14-Oct-20	3,190	-	59	-	1.85
Liechtenstein	03 Mar 2020	15-Oct-20	183	9	1	-	0.55
Ukraine	03 Mar 2020	15-Oct-20	281,239	5,062	5,302	73	1.89
Slovenia	04 Mar 2020	15-Oct-20	10,683	745	176	1	1.65
Hungary	04 Mar 2020	15-Oct-20	41,732	950	1,052	29	2.52
Poland	04 Mar 2020	15-Oct-20	149,903	8,099	3,308	91	2.21
Faroe Islands	04 Mar 2020	14-Oct-20	478	-	-	-	
Bosnia and Herzegovina	05 Mar 2020	15-Oct-20	32,224	569	972	14	3.02
Gibraltar	05 Mar 2020	15-Oct-20	531	15	-	-	
Slovakia	06 Mar 2020	15-Oct-20	24,225	1,929	71	5	0.29
Serbia	06 Mar 2020	15-Oct-20	35,454	203	770	2	2.17
Vatican City	06 Mar 2020	12-Oct-20	19	-	-	-	
Malta	07 Mar 2020	15-Oct-20	4,160	112	45	1	1.08
Moldova	07 Mar 2020	15-Oct-20	65,076	652	1,530	16	2.35
Bulgaria	08 Mar 2020	14-Oct-20	26,593	-	929	-	3.49
Albania	09 Mar 2020	15-Oct-20	16,212	257	439	5	2.71
Cyprus	09 Mar 2020	15-Oct-20	2,274	93	25	-	1.10
Channel Islands	09 Mar 2020	08-Oct-20	258	-	16	-	6.20
Jersey	10 Mar 2020	14-Oct-20	487	-	32	-	6.57
Kazakhstan	13 Mar 2020	15-Oct-20	109,094	110	1,768	-	1.62
Kosovo	13 Mar 2020	15-Oct-20	16,425	80	650	1	3.96
Uzbekistan	15 Mar 2020	15-Oct-20	62,175	225	516	4	0.83
Greenland	16 Mar 2020	09-Oct-20	16	-	-	-	

	Montenegro	17 Mar 2020	15-Oct-20	14,672	211	221	4	1.51
	Kyrgyzstan	18 Mar 2020	15-Oct-20	50,589	388	1,099	5	2.17
	Isle of Man	19 Mar 2020	14-Oct-20	348	-	24	-	6.90
	Tajikistan	30 Apr 2020	15-Oct-20	10,374	38	80	1	0.77
MIDDLE EAST	UAE	29 Jan 2020	15-Oct-20	111,437	1,398	452	2	0.41
	Iran	19 Feb 2020	15-Oct-20	517,835	4,616	29,605	256	5.72
	Israel	21 Feb 2020	15-Oct-20	299,502	1,002	2,109	54	0.70
	Lebanon	21 Feb 2020	15-Oct-20	58,745	1,499	501	2	0.85
	Kuwait	24 Feb 2020	15-Oct-20	114,015	746	684	8	0.60
	Oman	24 Feb 2020	15-Oct-20	108,296	520	1,071	10	0.99
	Bahrain	24 Feb 2020	14-Oct-20	76,621	-	288	1	0.38
	Iraq	24 Feb 2020	15-Oct-20	416,802	3,587	10,086	65	2.42
	Qatar	29 Feb 2020	15-Oct-20	128,803	200	222	2	0.17
	Saudi Arabia	02 Mar 2020	15-Oct-20	341,062	472	5,127	19	1.50
	Jordan	02 Mar 2020	15-Oct-20	33,009	2,459	282	25	0.85
	Palestine	05 Mar 2020	15-Oct-20	57,441	442	471	8	0.82
	Syria	22 Mar 2020	14-Oct-20	4,883	-	234	-	4.79
	Yemen	10 Apr 2020	13-Oct-20	2,053	-	596	-	29.03
AFRICA	Egypt	14 Feb 2020	14-Oct-20	104,915	-	6,077	-	5.79
	Algeria	25 Feb 2020	15-Oct-20	53,777	193	1,827	-	3.40
	Nigeria	28 Feb 2020	14-Oct-20	60,834	-	1,116	-	1.83
	Tunisia	02 Mar 2020	14-Oct-20	34,790	-	512	-	1.47
	Morocco	02 Mar 2020	15-Oct-20	163,650	3,317	2,772	46	1.69
	Senegal	02 Mar 2020	15-Oct-20	15,348	17	316	-	2.06
	South Africa	05 Mar 2020	14-Oct-20	696,414	-	18,151	-	2.61
	Cameroon	06 Mar 2020	14-Oct-20	21,441	-	423	-	1.97
	Togo	06 Mar 2020	15-Oct-20	1,983	11	51	1	2.57
	Burkina Faso	09 Mar 2020	13-Oct-20	2,305	-	63	-	2.73
	Democratic Republic of Congo	10 Mar 2020	14-Oct-20	10,935	-	281	-	2.57
	Ivory Coast	11 Mar 2020	14-Oct-20	20,217	-	120	-	0.59
	Reunion	11 Mar 2020	14-Oct-20	4,678	-	17	-	0.36
	Ghana	13 Mar 2020	15-Oct-20	47,151	25	310	-	0.66
	Guinea	13 Mar 2020	15-Oct-20	11,255	67	70	-	0.62
	Gabon	13 Mar 2020	14-Oct-20	8,869	-	54	-	0.61
	Sudan	13 Mar 2020	12-Oct-20	13,691	-	836	-	6.11
	Kenya	13 Mar 2020	15-Oct-20	43,143	602	805	8	1.87
	Ethiopia	13 Mar 2020	15-Oct-20	87,169	739	1,325	13	1.52
	Central African Republic	14 Mar 2020	15-Oct-20	4,855	1	62	-	1.28
	Seychelles	14 Mar 2020	06-Oct-20	148	-	-	-	-
	Rwanda	14 Mar 2020	14-Oct-20	4,940	-	33	-	0.67
	Namibia	14 Mar 2020	14-Oct-20	12,069	-	130	-	1.08
	Swaziland	14 Mar 2020	15-Oct-20	5,733	18	115	1	2.01
	Mauritania	14 Mar 2020	15-Oct-20	7,572	7	163	-	2.15
	Mayotte	14 Mar 2020	12-Oct-20	4,030	-	43	-	1.07
	Equatorial Guinea	15 Mar 2020	14-Oct-20	5,068	-	83	-	1.64
	Republic of Congo	15 Mar 2020	14-Oct-20	5,156	-	92	-	1.78
	Benin	16 Mar 2020	14-Oct-20	2,478	-	41	-	1.65
	Liberia	16 Mar 2020	14-Oct-20	1,372	-	82	-	5.98
Tanzania	16 Mar 2020	15-May-20	509	-	21	-	4.13	
Somalia	16 Mar 2020	12-Oct-20	3,864	-	99	-	2.56	

Gambia	17 Mar 2020	14-Oct-20	3,642	-	118	-	3.24
Zambia	17 Mar 2020	14-Oct-20	15,616	-	345	-	2.21
Mauritius	18 Mar 2020	14-Oct-20	407	-	10	-	2.46
Djibouti	18 Mar 2020	14-Oct-20	5,440	-	61	-	1.12
Niger	19 Mar 2020	14-Oct-20	1,205	-	69	-	5.73
Chad	19 Mar 2020	14-Oct-20	1,329	-	92	-	6.92
Zimbabwe	20 Mar 2020	14-Oct-20	8,055	-	231	-	2.87
Cape Verde	20 Mar 2020	14-Oct-20	7,371	-	79	-	1.07
Madagascar	20 Mar 2020	13-Oct-20	16,754	-	237	-	1.41
Uganda	21 Mar 2020	15-Oct-20	10,117	48	96	1	0.95
Eritrea	21 Mar 2020	10-Oct-20	414	-	-	-	-
Angola	21 Mar 2020	14-Oct-20	6,846	-	227	-	3.32
Mozambique	22 Mar 2020	14-Oct-20	10,392	-	73	-	0.70
Libya	24 Mar 2020	15-Oct-20	46,676	855	681	12	1.46
Guinea-Bissau	25 Mar 2020	13-Oct-20	2,389	-	41	-	1.72
Mali	25 Mar 2020	15-Oct-20	3,368	16	132	-	3.92
Botswana	30 Mar 2020	15-Oct-20	3,914	399	20	-	0.51
Sierra Leone	31 Mar 2020	14-Oct-20	2,315	-	73	-	3.15
Burundi	31 Mar 2020	14-Oct-20	529	-	1	-	0.19
Malawi	02 Apr 2020	15-Oct-20	5,836	7	181	-	3.10
South Sudan	05 Apr 2020	15-Oct-20	2,807	9	55	-	1.96
Sao Tome and Principe	06 Apr 2020	12-Oct-20	929	-	15	-	1.61
Comoros	30 Apr 2020	13-Oct-20	496	-	7	-	1.41
Lesotho	13 May 2020	14-Oct-20	1,833	-	42	-	2.29
			38,194,665	312,237	1,077,355	4,896	

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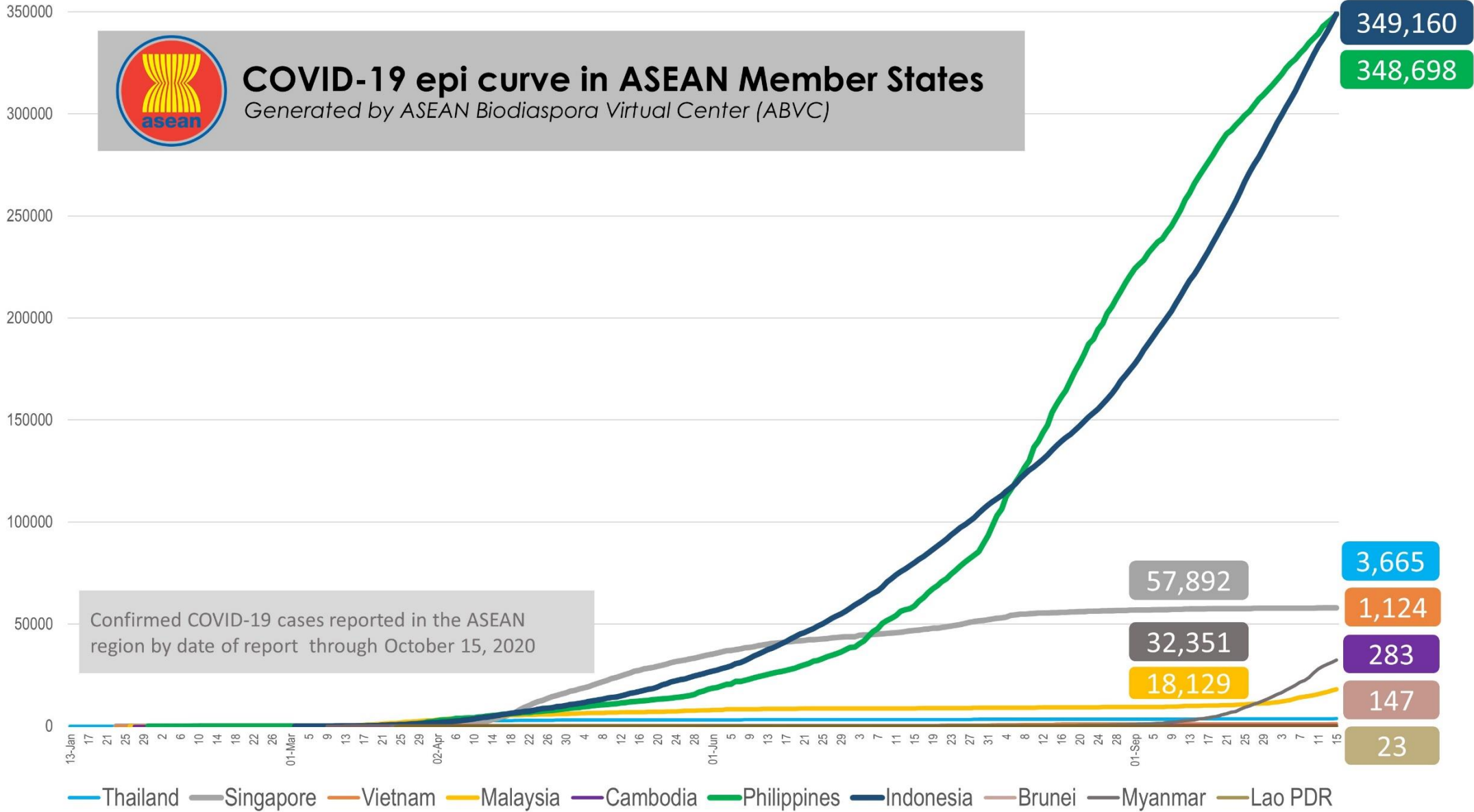
Timeline of COVID-19: ASEAN *(continuation)*





COVID-19 epi curve in ASEAN Member States

Generated by ASEAN Biodiaspora Virtual Center (ABVC)





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