

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

ASEAN Biodiaspora Virtual Center (ABVC)

as of April 21, 2021



Canada



COVID-19: Highlights and Situation Overview

Global Update

- Worldwide, there have been over 143.7 million cases and more than 3 million deaths attributed to COVID-19.

Regional Update

- The Thai government has confirmed it is adopting a vaccine passport scheme, to provide vaccinated residents with proof of COVID-19 inoculation. The vaccine passport will be an official document which can be used by vaccinated people travelling abroad. In order to be valid, the vaccine passport must be signed by an approved disease control official.
- Vietnam is considering the implementation of vaccine passports for three groups of vaccinated people such as Vietnamese stranded abroad, foreign business travelers and foreign travelers. While the plan is in consideration, no date for the implementation has been set yet.
- Singapore's Ministry of Health said it is reviewing its border measures for recovered travellers, and will closely monitor for reinfection of recovered COVID-19 cases. According to the country's Ministry of Health (MOH) on April 20, a new local COVID-19 cluster involving three cases has been linked to a man who was "probably reinfected" in India. This case is a 43-year-old Indian national and work pass holder, arrived in Singapore from India on April 2. He tested positive for COVID-19 in an *on-arrival* swab test and was taken to a hospital. He was discharged four days later on April 6, without being required to further isolate, as he was deemed to be no longer infectious. According to the ministry, the patient was discharged based on his high *Ct* value that indicated a low viral load, a positive serology test result on April 4 that indicated a past infection, as well as a negative pre-departure test taken on March 31. After consulting an expert panel comprising infectious diseases and microbiology experts, MOH assessed that he was likely reinfected with COVID-19 recently.

Vaccine Update

- Thailand's Prime Minister announced yesterday (April 20) that Thailand is negotiating to buy 5 to 10 million Pfizer-BioNTech COVID-19 vaccines. 61 million SinoVac and AstraZeneca vaccines are scheduled for delivery over the next 9 months, but with limited effectiveness against the B.1.1.7 strain and the third wave of COVID-19 spreading around the country, Thailand is trying to supplement its supply, in quantity and variety. Prime Minister Prayut confirmed that terms and conditions, as well as pricing, are in the works and hopes delivery will be in July but could be as late as the end of the year.
- Philippines reported that over 200,000 healthcare workers nationwide have received their second dose of the COVID-19 vaccine. An official said on April 21 that the government has so far administered 1,562,563 COVID-19 vaccine doses – 989,703 to healthcare workers, 132,948 senior citizens and 180,315 individuals with comorbidities. The Philippine government is expecting to receive at least 13 million doses of COVID-19 vaccines of various brands in the second quarter of the year.

Travel Advisories (new update/s)

- Singapore: According to the country's Ministry of Health on April 20, COVID-19 border measures will be tightened for travellers from India and will have to serve an additional seven days of stay-home notice at their residence following their 14-day stay-home notice at

dedicated facilities. The new requirement will take effect on April 22 at 11.59PM. With immediate effect, Singapore will also reduce entry approvals for non-Singapore citizens or permanent residents due to the worsening situation in India and the emergence of new virus variants. The Health Ministry also announced that it is easing measures for travellers arriving from Hong Kong following an improvement of the COVID-19 situation in the city. Their stay-home notice period will be reduced from 14 days to seven, and the notice period can be served at their place of residence "if suitable". In addition, Singapore authorities will also begin allowing long-term pass holders and short-term visitors with recent travel history to the UK and South Africa.

- Malaysia: Johor's Chief Minister said on Tuesday (April 20) that the state government will propose measures that will limit the movement of workers who cross the border from Johor to Singapore. Chief Minister said that the reopening of the border was an "ongoing agenda" of his state government and that it would ensure that those involved in crossing the border from Johor, like workers, received the COVID-19 vaccine.

Cases and Deaths as of 20 April 2021

- As of 20 April 2021 (2PM, GMT+8), worldwide, there were **143,755,459** confirmed cases, including **3,056,615** deaths. Globally, Case Fatality Rate (CFR) is **2.1**.
- 3,206,647 confirmed cases** of COVID-19 have been reported in the ASEAN region with a total of **64,424 deaths**.

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST REPORT ON CONFIRMED CASE(S)	TOTAL CONFIRMED CASES	NEW CASES (7-DAY ROLLING AVERAGE)	TOTAL DEATHS	NEW DEATHS (7-DAY ROLLING AVERAGE)	CASE FATALITY RATE	CUMULATIVE CASES/ 100,000	NUMBER OF TESTS LAST 14 DAYS/ 100,000	RT MEAN*	CUMULATIVE FULLY VACCINATED	FULLY VACCINATED/ 100,000
ASEAN REGION	Brunei	10 Mar 20	20-Apr-21	223	2 (0.5)	3	-	1.3	50				
	Cambodia	27 Jan 20	20-Apr-21	7,444	431 (392)	49	4 (2)	0.7	47		1.4	381,180	2,418
	Indonesia	02 Mar 20	20-Apr-21	1,614,849	5,549 (5,332)	43,777	210 (142)	2.7	618	219	1.0	6,052,612	2,317
	Lao PDR	24 Mar 20	17-Apr-21	58	-	-	-	-	1			30,921	457
	Malaysia	25 Jan 20	20-Apr-21	379,473	2,341 (2,219)	1,389	3 (6.2)	0.4	1,164	1,576	1.3	443,029	1,359
	Myanmar	23 Mar 20	19-Apr-21	142,644	0 (7)	3,206	-	2.2	270	-	0.8	40,000	76
	Philippines	30 Jan 20	20-Apr-21	953,106	7,361 (9,760)	16,141	93 (122)	1.7	922	638	1.0	191,982	186
	Singapore	23 Jan 20	20-Apr-21	60,865	14 (25)	30	-	0.0	1,572	6,254	1.0	849,764	21,953
	Thailand	13 Jan 20	20-Apr-21	45,185	1,443 (1,515)	108	4 (2)	0.2	65	-	1.4	94,385	137
	Vietnam	23 Jan 20	20-Apr-21	2,800	9 (12)	35	-	1.2	3	-	1.0		
				3,206,647	17,150	64,738	314						

*time-varying reproduction number (Rt)

- 139,657,442 confirmed cases** of COVID-19 have been reported in **221 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 RATE	CUMULATIVE CASES/ 100,000	NUMBER OF TESTS LAST 14 DAYS/ 100,000	RT MEAN*	CUMULATIVE FULLY VACCINATED	FULLY VACCINAT ED/ 100,000
ASIA PACIFIC	Japan	16 Jan 2020	19-Apr-21	537,494	4,853	9,629	30	1.8	425	479	1.2	718,396	568
	South Korea	20 Jan 2020	19-Apr-21	114,646	531	1,801	4	1.6	222	918	1.0	60,585	117
	Nepal	24 Jan 2020	19-Apr-21	285,900	1,227	3,091	8	1.1	1,018	141	1.8		
	Australia	25 Jan 2020	19-Apr-21	29,543	30	910	-	3.1	115	1,451	1.5		
	Sri Lanka	27 Jan 2020	19-Apr-21	97,105	309	620	2	0.6	448	143	1.0		
	India	30 Jan 2020	19-Apr-21	15,314,714	256,947	180,550	1,757	1.2	1,265	1,194	1.4	16,480,796	1,361
	Afghanistan	24 Feb 2020	19-Apr-21	58,038	140	2,550	4	4.4	156		1.1		
	Pakistan	26 Feb 2020	19-Apr-21	761,437	5,152	16,316	73	2.1	359	264	1.1		
	New Zealand	28 Feb 2020	19-Apr-21	2,596	1	26	-	1.0	53	1,034	0.3	30,194	618
	Bhutan	05 Mar 2020	19-Apr-21	961	4	1	-	0.1	127	2,380			
	Maldives	07 Mar 2020	19-Apr-21	26,505	157	70	-	0.3	5,140	5,509	1.2	35,294	6,844
	Bangladesh	08 Mar 2020	19-Apr-21	723,221	4,271	10,497	112	1.5	448	187	0.8	1,366,609	847
	Mongolia	10 Mar 2020	19-Apr-21	22,884	889	49	5	0.2	722	-	1.3		
	Turkey	10 Mar 2020	19-Apr-21	4,323,596	55,149	36,267	341	0.8	5,252	3,664	1.1	7,787,785	9,460
	French Polynesia	12 Mar 2020	17-Apr-21	18,696	-	141	-	0.8	6,733		0.9		
	Guam	15 Mar 2020	19-Apr-21	7,879	10	136	-	1.7	4,753		1.5	43,541	26,266
	New Caledonia	17 Mar 2020	19-Apr-21	124	1	-	-	-	44				
	Fiji	18 Mar 2020	17-Apr-21	72	-	2	-	2.8	8	206			
	Papua New Guinea	21 Mar 2020	18-Apr-21	9,738	-	89	-	0.9	113		0.9		
	Timor Leste	21 Mar 2020	19-Apr-21	1,368	62	2	-	0.1	108				
	Northern Mariana Islands	28 Mar 2020	16-Apr-21	162	-	2	-	1.2	285				
	North Korea	24 Jul 2020	25-Jul-20	1	-	-	-	-	0				
	Solomon Islands	03 Oct 2020	16-Apr-21	20	-	-	-	-	3				

	Wallis et Futuna	17 Oct 2020	16-Apr-21	438	-	5	-	1.1	2,733		0.2		
	Marshall Islands	26 Oct 2020	17-Nov-20	4	-			-	7			10,757	18,415
	Vanuatu	11 Nov 2020	08-Mar-21	3	-	-	-	-	1				
	Samoa	18 Nov 2020	12-Feb-21	3	-	-	-	-	2				
	Micronesia	11 Jan 2021	11-Jan-21	1	-			-	1			11,520	10,227
AMERICAS	USA	21 Jan 2020	19-Apr-21	32,445,056	38,303	581,346	278	1.8	9,885	2,408	0.9	84,263,408	25,671
	Canada	25 Jan 2020	19-Apr-21	1,127,428	6,491	23,656	36	2.1	2,967	3,205	1.0	913,214	2,403
	Brazil	26 Feb 2020	18-Apr-21	13,947,527	-	373,573	-	2.7	6,587	-	0.9	8,597,020	4,060
	Mexico	28 Feb 2020	18-Apr-21	2,305,602	-	212,339	-	9.2	1,922	113	0.9	3,844,491	3,205
	Saint Martin	01 Mar 2020	15-Apr-21	1,702	-	12	-	0.7	4,567		0.6		
	Ecuador	01 Mar 2020	18-Apr-21	360,546	-	17,703	-	4.9	2,110	220	1.1	167,933	983
	Dominican Republic	01 Mar 2020	19-Apr-21	261,531	402	3,422	4	1.3	2,461	353	1.0	600,000	5,646
	Chile	03 Mar 2020	19-Apr-21	1,131,340	6,622	25,277	100	2.2	6,041	3,157	1.0	5,426,216	28,972
	Argentina	03 Mar 2020	18-Apr-21	2,694,014	-	59,228	-	2.2	6,055	580	0.9	799,494	1,797
	Peru	05 Mar 2020	18-Apr-21	1,704,757	-	57,230	-	3.4	5,329	100	0.8	526,739	1,647
	Costa Rica	06 Mar 2020	16-Apr-21	228,577	-	3,071	-	1.3	4,572	658	1.0	232,508	4,651
	Colombia	06 Mar 2020	18-Apr-21	2,652,947	-	68,328	-	2.6	5,343	1,350	0.9	1,135,662	2,287
	French Guiana	06 Mar 2020	16-Apr-21	18,081	-	95	-	0.5	9,248		0.7		
	Martinique	06 Mar 2020	13-Apr-21	9,890	-	64	-	0.6	2,285		1.0		
	Paraguay	07 Mar 2020	18-Apr-21	250,165	-	5,313	-	2.1	3,596	780	0.9	12,140	175
	Panama	10 Mar 2020	18-Apr-21	360,841	-	6,188	-	1.7	8,639	1,838	0.9	175,008	4,190
	Bolivia	10 Mar 2020	18-Apr-21	289,066	-	12,648	-	4.4	2,546	775	0.9	165,163	1,455
	Honduras	11 Mar 2020	18-Apr-21	200,935	-	4,957	-	2.5	2,096		1.0	2,639	28
	Cuba	11 Mar 2020	19-Apr-21	94,571	1,060	531	6	0.6	834	1,670	1.0		
	Guyana	11 Mar 2020	18-Apr-21	11,863	-	271	-	2.3	1,523		1.0	600	77
	Jamaica	12 Mar 2020	19-Apr-21	44,136	246	727	4	1.6	1,504	708	0.8		
	St Vincent and the Grenadines	12 Mar 2020	16-Apr-21	1,819	-	10	-	0.5	1,650		0.4		
	Saint Lucia	13 Mar 2020	17-Apr-21	4,401	-	67	-	1.5	2,420		0.8		

Trinidad and Tobago	13 Mar 2020	18-Apr-21	8,940	-	153	-	1.7	643	534	1.4		
Venezuela	13 Mar 2020	18-Apr-21	183,190	-	1,905	-	1.0	635		0.9		
Guatemala	13 Mar 2020	19-Apr-21	213,049	315	7,241	20	3.4	1,235	410	1.1	1,826	11
Uruguay	13 Mar 2020	18-Apr-21	164,744	-	1,908	-	1.2	4,776	4,390	0.7	294,461	8,537
Curacao	13 Mar 2020	18-Apr-21	11,882	-	89	-	0.7	7,433		0.5	13,577	8,494
Puerto Rico	13 Mar 2020	19-Apr-21	232,142	2,187	2,207	7	1.0	7,269		1.2	631,793	19,783
Suriname	13 Mar 2020	18-Apr-21	9,581	-	187	-	2.0	1,663		1.3		
Antigua and Barbuda	13 Mar 2020	19-Apr-21	1,217	1	31	-	2.5	1,264				
Guadeloupe	13 Mar 2020	13-Apr-21	12,717	-	176	-	1.4	2,871		1.0		
Cayman Islands	13 Mar 2020	16-Apr-21	525	-	2	-	0.4	818			27,306	42,550
Aruba	14 Mar 2020	18-Apr-21	10,324	-	92	-	0.9	9,754		0.8		
Bahamas	15 Mar 2020	16-Apr-21	9,634	-	194	-	2.0	2,498		0.7		
US Virgin Islands	16 Mar 2020	16-Apr-21	3,028	-	26	-	0.9	2,831			22,830	21,341
Sint Maarten	17 Mar 2020	17-Apr-21	2,205	-	27	-	1.2	5,424				
Montserrat	17 Mar 2020	14-Feb-21	20	-	1	-	5.0	214			276	2,955
Barbados	17 Mar 2020	18-Apr-21	3,781	-	44	-	1.2	1,319		0.9		
El Salvador	18 Mar 2020	16-Apr-21	67,404	-	2,072	-	3.1	1,050	230	0.5	15,456	241
Nicaragua	18 Mar 2020	13-Apr-21	6,778	-	180	-	2.7	105		1.0		
Bermuda	18 Mar 2020	17-Apr-21	2,123	-	18	-	0.8	3,319		0.6	19,980	31,234
Haiti	19 Mar 2020	17-Apr-21	12,918	-	251	-	1.9	116		1.1		
Dominica	22 Mar 2020	12-Apr-21	170	-	-	-	-	237			337	471
Grenada	22 Mar 2020	19-Apr-21	157	2	1	-	0.6	141				
Belize	23 Mar 2020	16-Apr-21	12,538	-	318	-	2.5	3,273		0.8		
Turks and Caicos Islands	23 Mar 2020	16-Apr-21	2,369	-	17	-	0.7	6,290			10,000	26,550
Saint Kitts and Nevis	24 Mar 2020	18-Mar-21	44	-	-	-	-	84				
British Virgin Islands	25 Mar 2020	15-Apr-21	187	-	1	-	0.5	627				
Anguilla	26 Mar 2020	17-Apr-21	29	-	-	-	-	219				

	Caribbean Netherlands	01 Apr 2020	18-Apr-21	1,547	-	15	-	1.0	8,589		0.7		
	Falkland Islands	03 Apr 2020	14-Apr-21	62	-	-	-	-	2,350			1,717	65,087
	Saint Pierre and Miquelon	05 Apr 2020	28-Jan-21	24	-	-	-	-	342				
	Saint Barthelemy	25 Jul 2020	15-Apr-21	934	-	1	-	0.1	11,053		0.5		
EUROPE	France	24 Jan 2020	19-Apr-21	5,296,222	6,696	101,180	447	1.9	7,906		0.9	4,505,662	6,726
	Germany	27 Jan 2020	19-Apr-21	3,167,200	16,170	80,828	237	2.6	3,808	1,386	1.1	5,517,282	6,634
	Finland	29 Jan 2020	19-Apr-21	84,287	156	891	4	1.1	1,527	2,880	0.8	121,923	2,210
	Italy	30 Jan 2020	19-Apr-21	3,878,994	8,863	117,243	316	3.0	6,419	4,802	0.9	4,468,690	7,395
	Russian Federation	31 Jan 2020	19-Apr-21	4,710,690	8,589	105,928	346	2.2	3,260	2,084	1.0	6,147,266	4,255
	Spain	31 Jan 2020	19-Apr-21	3,428,354	21,071	77,102	121	2.2	7,290	1,497	1.0	3,328,701	7,078
	Sweden	31 Jan 2020	16-Apr-21	900,138	-	13,788	-	1.5	8,839		0.6	649,361	6,377
	United Kingdom of Great Britain	31 Jan 2020	19-Apr-21	4,390,783	2,963	127,274	4	2.9	6,604	12,579	1.0	9,930,846	14,936
	Belgium	05 Feb 2020	19-Apr-21	949,996	2,996	23,747	29	2.5	8,317	3,497	1.0	704,248	6,166
	Switzerland	25 Feb 2020	19-Apr-21	637,304	4,905	10,521	13	1.7	7,483	3,167	1.0	729,842	8,570
	Austria	25 Feb 2020	19-Apr-21	595,540	2,117	9,922	24	1.7	6,732	33,043	0.9	718,374	8,120
	Croatia	25 Feb 2020	19-Apr-21	308,200	410	6,601	39	2.1	7,537	2,445	1.1	138,706	3,392
	Norway	26 Feb 2020	19-Apr-21	107,767	257	709	1	0.7	2,028	3,336	0.8	299,631	5,638
	Romania	26 Feb 2020	19-Apr-21	1,031,072	1,768	26,381	149	2.6	5,295	1,216	0.8	1,554,994	7,985
	Estonia	26 Feb 2020	19-Apr-21	117,782	228	1,100	8	0.9	8,917	3,702	0.8	84,964	6,432
	Georgia	26 Feb 2020	19-Apr-21	295,936	578	3,949	10	1.3	7,932		1.3		
	North Macedonia	26 Feb 2020	19-Apr-21	147,229	135	4,478	35	3.0	7,068	1,619	0.8		
	Greece	26 Feb 2020	19-Apr-21	316,879	1,606	9,540	78	3.0	2,954	4,674	1.0	770,207	7,180
	Denmark	27 Feb 2020	19-Apr-21	243,374	741	2,459	4	1.0	4,198	24,724	1.1	499,471	8,615
	San Marino	27 Feb 2020	19-Apr-21	5,030	4	88	1	1.7	14,888			8,442	24,987
	Lithuania	27 Feb 2020	19-Apr-21	234,232	601	3,770	10	1.6	8,397	3,817	1.0	209,600	7,514
	Netherlands	27 Feb 2020	19-Apr-21	1,410,950	7,117	16,938	22	1.2	8,188	1,049	1.1	826,135	4,794
	Azerbaijan	27 Feb 2020	19-Apr-21	301,661	995	4,169	29	1.4	3,034		1.0	448,145	4,507
	Belarus	28 Feb 2020	19-Apr-21	345,110	887	2,433	10	0.7	3,638	1,643	1.0	26,100	275

Iceland	28 Feb 2020	19-Apr-21	6,329	43	29	-	0.5	1,790	2,752	2.1	28,614	8,093
Ireland	28 Feb 2020	19-Apr-21	243,911	403	4,836	-	2.0	5,025	3,182	0.9	349,710	7,205
Monaco	29 Feb 2020	19-Apr-21	2,404	5	31	-	1.3	6,215			10,859	28,072
Czech Republic	01 Mar 2020	19-Apr-21	1,602,711	830	28,532	106	1.8	15,083		0.8	862,049	8,113
Luxembourg	01 Mar 2020	19-Apr-21	65,144	30	786	1	1.2	10,719	13,668	0.9	42,986	7,073
Armenia	01 Mar 2020	19-Apr-21	208,818	298	3,895	17	1.9	7,074	1,477	0.9		
Latvia	02 Mar 2020	19-Apr-21	111,536	202	2,056	3	1.8	5,789	8,797	1.0	27,958	1,451
Portugal	02 Mar 2020	19-Apr-21	831,221	220	16,946	1	2.0	8,084	3,931	0.9	682,049	6,634
Andorra	02 Mar 2020	18-Apr-21	12,805	-	123	-	1.0	16,629	2,992	0.8	4,484	5,823
Liechtenstein	03 Mar 2020	19-Apr-21	2,823	10	56	-	2.0	7,447	5,394		2,970	7,834
Ukraine	03 Mar 2020	19-Apr-21	1,953,016	6,506	40,000	214	2.0	4,377	1,151	0.9	5	0
Slovenia	04 Mar 2020	19-Apr-21	232,311	240	4,167	8	1.8	11,237	2,074	0.9	145,134	7,020
Hungary	04 Mar 2020	19-Apr-21	753,188	2,680	25,381	197	3.4	7,710	3,005	0.8	1,391,381	14,243
Poland	04 Mar 2020	19-Apr-21	2,695,327	7,302	62,133	101	2.3	7,097	2,299	0.8	2,248,126	5,919
Faroe Islands	04 Mar 2020	14-Apr-21	662	-	1	-	0.2	1,365			4,777	9,850
Bosnia and Herzegovina	05 Mar 2020	19-Apr-21	191,154	387	7,938	68	4.2	5,751	1,398	0.9		
Gibraltar	05 Mar 2020	16-Apr-21	4,291	-	94	-	2.2	12,726		1.4	30,402	90,165
Slovakia	06 Mar 2020	19-Apr-21	376,067	93	11,172	66	3.0	6,904	50,065	0.9	345,492	6,343
Serbia	06 Mar 2020	19-Apr-21	664,972	2,604	6,026	35	0.9	9,524	2,139	0.9	1,227,444	17,580
Vatican City	06 Mar 2020	17-Oct-20	27	-	-	-	-	2,932				
Malta	07 Mar 2020	19-Apr-21	30,026	60	409	-	1.4	6,210	4,232	1.0	84,152	17,404
Moldova	07 Mar 2020	19-Apr-21	246,238	341	5,591	20	2.3	6,944		0.8	9,825	277
Bulgaria	08 Mar 2020	18-Apr-21	386,381	-	15,195	-	3.9	5,520	2,340	0.7	128,538	1,836
Albania	09 Mar 2020	19-Apr-21	129,694	100	2,347	5	1.8	4,525	852	0.7	655	23
Cyprus	09 Mar 2020	18-Apr-21	56,259	-	291	-	0.5	4,731	43,890	1.1	57,084	4,800
Channel Islands	09 Mar 2020	14-Apr-21	822	-	17	-	2.1	1,260			11,469	17,583
Jersey	10 Mar 2020	19-Apr-21	3,233	1	69	-	2.1	3,560		1.5	25,274	27,831
Kazakhstan	13 Mar 2020	19-Apr-21	289,720	2,719	3,406	22	1.2	1,585	2,973	1.1	105,392	577
Kosovo	13 Mar 2020	19-Apr-21	101,474	364	2,062	11	2.0	5,499		0.9		
Uzbekistan	15 Mar 2020	19-Apr-21	86,982	302	638	-	0.7	264		1.3		
Greenland	16 Mar 2020	04-Mar-21	31	-	-	-	-	55			4,297	7,670

	Montenegro	17 Mar 2020	19-Apr-21	95,695	144	1,438	9	1.5	15,377		0.8	16,291	2,618
	Kyrgyzstan	18 Mar 2020	19-Apr-21	92,095	212	1,555	6	1.7	1,458		1.2		
	Isle of Man	19 Mar 2020	18-Apr-21	1,577	-	29	-	1.8	1,876		1.6	15,477	18,408
	Tajikistan	30 Apr 2020	10-Jan-21	13,308	-	90	-	0.7	146		5.0		
MIDDLE EAST	UAE	29 Jan 2020	19-Apr-21	498,957	1,803	1,556	2	0.3	5,181	24,525	1.0	2,187,849	22,717
	Iran	19 Feb 2020	19-Apr-21	2,261,435	24,346	67,130	398	3.0	2,765	955	1.1	100,691	123
	Israel	21 Feb 2020	19-Apr-21	837,203	156	6,341	6	0.8	9,424	5,070	0.8	4,977,399	56,028
	Lebanon	21 Feb 2020	19-Apr-21	511,398	995	6,959	34	1.4	7,467		0.9	124,888	1,823
	Kuwait	24 Feb 2020	18-Apr-21	256,987	-	1,448	-	0.6	6,211	2,084	0.8	38,000	918
	Oman	24 Feb 2020	19-Apr-21	181,430	1,399	1,890	12	1.0	3,757		1.0	19,019	394
	Bahrain	24 Feb 2020	19-Apr-21	165,118	1,008	600	6	0.4	10,521	12,821	0.9	474,844	30,256
	Iraq	24 Feb 2020	19-Apr-21	984,950	7,775	15,026	45	1.5	2,563	1,926	1.0		
	Qatar	29 Feb 2020	19-Apr-21	197,476	896	386	4	0.2	7,099	2,111	1.0		
	Saudi Arabia	02 Mar 2020	19-Apr-21	405,940	970	6,834	11	1.7	1,205	1,629	1.1		
	Jordan	02 Mar 2020	19-Apr-21	689,482	3,509	8,308	62	1.2	6,925	3,131	0.8	122,131	1,227
	Palestine	05 Mar 2020	19-Apr-21	311,096	1,529	3,315	30	1.1	6,809		0.8	23,113	506
	Syria	22 Mar 2020	18-Apr-21	21,142	-	1,446	-	6.8	125		1.0		
AFRICA	Yemen	10 Apr 2020	19-Apr-21	5,858	46	1,132	6	19.3	21		0.8		
	Egypt	14 Feb 2020	18-Apr-21	216,334	-	12,738	-	5.9	220		0.9		
	Algeria	25 Feb 2020	19-Apr-21	119,805	163	3,160	5	2.6	284		1.2		
	Nigeria	28 Feb 2020	18-Apr-21	164,233	-	2,061	-	1.3	84	18	0.8		
	Tunisia	02 Mar 2020	19-Apr-21	287,061	1,571	9,825	42	3.4	2,482	637	1.1	33,019	286
	Morocco	02 Mar 2020	19-Apr-21	505,949	138	8,952	7	1.8	1,404	271	1.0	4,186,449	11,620
	Senegal	02 Mar 2020	19-Apr-21	39,821	39	1,091	-	2.7	251	82	0.9		
	South Africa	05 Mar 2020	18-Apr-21	1,566,769	-	53,736	-	3.4	2,712	485	1.0	292,623	506
	Cameroon	06 Mar 2020	17-Apr-21	64,809	-	939	-	1.4	257		1.1		
	Togo	06 Mar 2020	18-Apr-21	12,533	-	119	-	0.9	159	169	0.7		
	Burkina Faso	09 Mar 2020	18-Apr-21	13,129	-	154	-	1.2	66		0.9		
	Democratic Republic of Congo	10 Mar 2020	18-Apr-21	28,956	-	745	-	2.6	34		1.3		
	Ivory Coast	11 Mar 2020	18-Apr-21	45,560	-	274	-	0.6	182	71	0.7		
	Reunion	11 Mar 2020	13-Apr-21	18,425	-	135	-	0.7	2,371		0.9		
	Ghana	13 Mar 2020	18-Apr-21	91,709	-	771	-	0.8	308	62	0.8		
	Guinea	13 Mar 2020	17-Apr-21	21,460	-	138	-	0.6	173		0.7	27,867	224
	Gabon	13 Mar 2020	17-Apr-21	21,858	-	133	-	0.6	1,031		0.8	400	19
	Sudan	13 Mar 2020	15-Apr-21	31,790	-	2,208	-	6.9	76		1.3		
	Kenya	13 Mar 2020	19-Apr-21	151,894	241	2,501	20	1.6	296	587	0.9		
	Ethiopia	13 Mar 2020	19-Apr-21	243,631	1,603	3,392	22	1.4	223	73	1.0		

Central African Republic	14 Mar 2020	18-Apr-21	5,787	-	75	-	1.3	124		1.1		
Seychelles	14 Mar 2020	19-Apr-21	4,976	54	25	-	0.5	5,143		1.6	45,944	47,481
Rwanda	14 Mar 2020	18-Apr-21	23,888	-	325	-	1.4	194	504	0.5		
Namibia	14 Mar 2020	18-Apr-21	46,655	-	604	-	1.3	1,906	544	0.8		
Swaziland	14 Mar 2020	18-Apr-21	18,417	-	671	-	3.6	1,621		0.0		
Mauritania	14 Mar 2020	18-Apr-21	18,129	-	453	-	2.5	412	-	1.0		
Mayotte	14 Mar 2020	14-Apr-21	19,757	-	168	-	0.9	12,423		0.2		
Equatorial Guinea	15 Mar 2020	14-Apr-21	7,259	-	106	-	1.5	555		0.3	5,305	405
Republic of Congo	15 Mar 2020	14-Apr-21	10,084	-	139	-	1.4	192		0.0		
Benin	16 Mar 2020	14-Apr-21	7,611	-	95	-	1.2	66		0.6		
Liberia	16 Mar 2020	17-Mar-21	2,042	-	85	-	4.2	42				
Tanzania	16 Mar 2020	09-May-20	509	-	21	-	4.1	1		5.0		
Somalia	16 Mar 2020	19-Apr-21	13,079	242	670	14	5.1	87		0.9		
Gambia	17 Mar 2020	16-Apr-21	5,720	-	170	-	3.0	251	32	1.0		
Zambia	17 Mar 2020	19-Apr-21	90,942	24	1,236	1	1.4	524	324	0.9		
Mauritius	18 Mar 2020	17-Apr-21	1,203	-	15	-	1.2	95				
Djibouti	18 Mar 2020	18-Apr-21	10,460	-	116	-	1.1	1,091		0.6		
Niger	19 Mar 2020	18-Apr-21	5,131	-	190	-	3.7	23		1.1		
Chad	19 Mar 2020	19-Apr-21	4,708	2	169	-	3.6	30				
Zimbabwe	20 Mar 2020	18-Apr-21	37,751	-	1,553	-	4.1	261	125	1.2	34,969	242
Cape Verde	20 Mar 2020	19-Apr-21	20,627	161	193	1	0.9	3,793		1.2		
Madagascar	20 Mar 2020	19-Apr-21	32,798	593	552	10	1.7	125	25	1.2		
Uganda	21 Mar 2020	18-Apr-21	41,378	-	338	-	0.8	97	50	1.0		
Eritrea	21 Mar 2020	17-Apr-21	3,491	-	10	-	0.3	98		0.3		
Angola	21 Mar 2020	18-Apr-21	24,389	-	561	-	2.3	79		1.0		
Mozambique	22 Mar 2020	18-Apr-21	69,203	-	798	-	1.2	235	35	0.7		
Libya	24 Mar 2020	19-Apr-21	172,464	584	2,908	12	1.7	2,582		0.8		
Guinea-Bissau	25 Mar 2020	18-Apr-21	3,712	-	66	-	1.8	198		1.1		
Mali	25 Mar 2020	18-Apr-21	13,070	-	433	-	3.3	69		0.8		
Botswana	30 Mar 2020	15-Apr-21	44,075	-	671	-	1.5	1,955		0.4		
Sierra Leone	31 Mar 2020	18-Apr-21	4,028	-	79	-	2.0	53		1.0	1,781	23
Burundi	31 Mar 2020	16-Apr-21	3,477	-	6	-	0.2	31		1.0		
Malawi	02 Apr 2020	19-Apr-21	33,959	18	1,139	1	3.4	193	47	0.7		
South Sudan	05 Apr 2020	19-Apr-21	10,473	41	114	-	1.1	127	70	1.0		
Sao Tome and Principe	06 Apr 2020	17-Apr-21	2,275	-	35	-	1.5	1,151		0.6		

	Comoros	30 Apr 2020	19-Apr-21	3,819	-	146	-	3.8	459		0.6		
	Lesotho	13May 2020	12-Apr-21	10,709	-	315	-	2.9	508		0.4		
				139,657,442	551,217	2,975,038	6,369	2.1					

**time-varying reproduction number (Rt)*

COVID-19 Epi curve among ASEAN Countries

as of 20 April 2021



