

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

ASEAN Biodiaspora Virtual Center (ABVC)

as of March 24, 2021



COVID-19: Highlights and Situation Overview

- Worldwide, there have been over 124.9 million cases and more than 2.7 million deaths attributed to COVID-19.

Vaccine Update

- Thailand started its domestically developed COVID-19 vaccine human trials on Monday (March 22) and expects to deploy it next year. The home-grown vaccine candidate is being developed by state drug maker, the Government Pharmaceutical Organization (GPO), with Mahidol University's Tropical Medicine Department and an American non-profit and uses an inactivated virus to trigger immunity. Mahidol University's Dean said that 460 volunteers would be accepted for the human trials, 210 of whom would be used in the first phase and Phase two is expected to begin in July, with results by year-end. This Thai vaccine candidate modifies the avian Newcastle Disease virus with a COVID-19 spike protein and is replicated using egg-based technology. Meanwhile, Thailand's vaccination drive is targeting the inoculation of half of its adult population by the end of the year using 61 million doses of AstraZeneca's vaccine, which will be locally produced from June.
- Malaysia on Monday (March 22) announced that it the government has secured a USD 2.4 million compensation fund to provide cash assistance for any COVID-19 vaccine recipients who suffer severe reactions due to inoculations. According to the Health Minister, under the new fund, individuals requiring extended hospitalization due to a vaccine reaction will be eligible for RM50,000 (USD 2,171), or RM500,000 if this results in permanent disability or death. Malaysia has inoculated nearly 430,000 frontline workers, with the majority having received the first of two jabs of the vaccine jointly developed by US company Pfizer and German partner BioNTech.
- Vietnam's Health Ministry on March 23 approved with conditions Russia's COVID-19 vaccine named Gam-COVID-Vac, also known as Sputnik V, for emergency use in COVID-19 prevention and control in the country. Sputnik V is the second vaccine after AztraZeneca vaccine that has been approved for use in the country. The Health Minister added that the approval of Sputnik V vaccine was based on data about its safety, quality and efficiency. The country is also in talks to buy vaccines from Pfizer-BioNTech, Moderna and Johnson & Johnson and is aiming to put its first domestically developed COVID-19 vaccine in use by 2022.
- The Philippines received 400,000 additional doses of Sinovac's COVID-19 vaccine CoronaVac earlier today (March 24). The donated CoronaVac vaccines were in addition to the initial 600,000 doses that arrived in the country last February 28. In a joint statement, the Department of Health and the National Task Force against COVID-19 said the additional donated CoronaVac vaccines will be instrumental in the country's ongoing COVID-19 vaccination program, "especially at this moment when a persistent increase in cases is being observed."

Travel Advisories (new update/s)

- Singapore and Malaysia have reaffirmed their commitment to work towards recognizing each other's COVID-19 vaccine certificates, with a view towards facilitating cross-border travel in the future. Both countries' Foreign Affairs ministries said in a joint statement on Tuesday (March 23) that the operational details of the Reciprocal Recognition of Vaccine Certificate between Malaysia and Singapore, including the detailed requirements, health protocols, and application process involved for entry and exit into Malaysia and Singapore will be further deliberated and finalized by both parties. The two ministers had a constructive discussion on their respective national

vaccination roll-out plans which are underway in Malaysia and Singapore, and how this could facilitate cross-border travel between both countries in the near future.

- Indonesia: Indonesia's Tourism Minister said on Monday (March 22) that the proposed "safe travel corridor" between Singapore, Batam and Bintan is meant to attract those from Singapore to holiday in Indonesia and *not vice versa*.
- Philippines: Due to current restrictions of the Inter-Agency Task Force on Infectious Diseases (IATF) on non-essential travel in and out of Manila, airlines were compelled to cancel several domestic flights from March 23 up to April 4. Under the IATF guideline, Under the guidelines, only essential travel—which excludes leisure trips—was allowed in and out of Manila's Ninoy Aquino International Airport.

Cases and Deaths as of 24 March 2021

- As of 24 March 2021 (2PM, GMT+8), worldwide, there were **124,970,212** confirmed cases, including **2,745,482** deaths. Globally, Case Fatality Rate (CFR) is **2.2**.
- In **China**, there were **102,580** confirmed cases with **4,850** deaths, including deaths in Hong Kong (204) and Taiwan (10). Confirmed cases in China include confirmed cases in Hong Kong (11,410), Macau (48), and Taiwan 1,007).
- **2,719,798 confirmed cases** of COVID-19 have been reported in the ASEAN region with a total of **57,469 deaths**, with a CFR of **2.1**.

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	REPORTED TESTS LAST 14 DAYS /100,000	RT MEAN *	FULLY VACCINATED	CATEGORY BY RATE OF CHANGE IN NEW CASES**
ASEAN REGION	Brunei	10 Mar 20	21-Mar-21	206	- (1)	3	-	1.5	47				C
	Cambodia	27 Jan 20	23-Mar-21	1,788	35 (51)	4	1 (0)	0.2	11				C
	Indonesia	02 Mar 20	23-Mar-21	1,471,225	5,297 (5,824)	39,865	154 (159)	2.7	563	250	1.0	2,494,422	E
	Lao PDR	24 Mar 20	17-Mar-21	49	-	-	-	-	1				A
	Malaysia	25 Jan 20	23-Mar-21	335,540	1,384 (1,358)	1,244	6 (4)	0.4	1,030	1,802	1.0		C
	Myanmar	23 Mar 20	23-Mar-21	142,264	- 18 (15)	3,204	-	2.3	269	-	1.1		C
	Philippines	30 Jan 20	23-Mar-21	677,653	5,861 (6,619)	12,992	20 (21)	1.9	656	496	1.3		E
	Singapore	23 Jan 20	23-Mar-21	60,221	13 (13)	30	-	0.0	1,556	6,470	1.1	243,169	D
	Thailand	13 Jan 20	23-Mar-21	28,277	401 (160)	92	1 (1)	0.3	41	98	1.4		C
	Vietnam	23 Jan 20	22-Mar-21	2,575	(2)	35	-	1.4	3	-	0.6		B
				2,719,798	13,009	57,469	182						

*time-varying reproduction number (Rt)

**Country Category by rate of change of new COVID-19 cases over the past week (represented by seven-day rolling averages): <100 cases (A), significantly decreasing (B), stable rate (C), significantly increasing moderate rate (D), significantly increasing high rate (E), insufficient data (F)

- **122,147,834 confirmed cases** of COVID-19 have been reported in **211 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	REPORTED CASES/100,000	REPORTED TESTS LAST 14 DAYS /100,000	RT MEAN*	FULLY VACCINATED	CATEGORY BY RATE OF CHANGE IN NEW CASES**
ASIA PACIFIC	Japan	16 Jan 2020	23-Mar-21	458,572	1,503	8,907	52	1.9	362	456	1.1	29,129	E
	South Korea	20 Jan 2020	23-Mar-21	99,421	346	1,704	7	1.7	193	888	1.0	883	B
	Nepal	24 Jan 2020	23-Mar-21	276,244	188	3,019	-	1.1	983	67	1.3		D
	Australia	25 Jan 2020	23-Mar-21	29,211	5	909	-	3.1	114	2,620	0.9		C
	Sri Lanka	27 Jan 2020	23-Mar-21	90,765	251	552	1	0.6	419	598	1.1		C
	India	30 Jan 2020	23-Mar-21	11,733,594	47,294	160,477	278	1.4	969	969	1.4	7,863,441	E
	Afghanistan	24 Feb 2020	23-Mar-21	56,192	15	2,466	-	4.4	151		1.2		D
	Pakistan	26 Feb 2020	23-Mar-21	633,741	3,270	13,935	72	2.2	299	269	1.3		E
	New Zealand	28 Feb 2020	22-Mar-21	2,462	-	26	-	1.1	50	1,420	1.2		C
	Bhutan	05 Mar 2020	20-Mar-21	869	-	1	-	0.1	115	4,104			D
	Maldives	07 Mar 2020	23-Mar-21	22,790	128	66	-	0.3	4,419	9,374	1.1		D
	Bangladesh	08 Mar 2020	23-Mar-21	577,241	3,554	8,738	18	1.5	358	141	1.6		E
	Mongolia	10 Mar 2020	23-Mar-21	5,392	206	5	-	0.1	170	4,534	1.3		D
	Turkey	10 Mar 2020	23-Mar-21	3,061,520	26,182	30,316	138	1.0	3,719	2,372	1.3	5,220,163	E
	French Polynesia	12 Mar 2020	22-Mar-21	18,587	-	141	-	0.8	6,694		0.5		B
	Guam	15 Mar 2020	23-Mar-21	7,786	2	134	-	1.7	4,697		0.9	30,997	B
	New Caledonia	17 Mar 2020	21-Mar-21	116	-	-	-	-	41				C
	Fiji	18 Mar 2020	19-Mar-21	67	-	2	-	3.0	8	-			A
	Papua New Guinea	21 Mar 2020	23-Mar-21	3,758	184	37	1	1.0	44		1.5		E
Timor Leste	21 Mar 2020	23-Mar-21	351	16	-	-	-	28				D	
Northern Mariana Islands	28 Mar 2020	22-Mar-21	158	-	2	-	1.3	278				B	
North Korea	24 Jul 2020	25-Jul-20	1	-	-	-	-	0				F	

	Solomon Islands	03 Oct 2020	08-Feb-21	18	-	-	-	-	3				F
	Wallis et Futuna	17 Oct 2020	23-Mar-21	329	11	2	1	0.6	2,053		0.6		B
	Marshall Islands	26 Oct 2020	17-Nov-20	4	-			-	7				F
	Vanuatu	11 Nov 2020	08-Mar-21	3	-	-	-	-	1				F
	Samoa	18 Nov 2020	12-Feb-21	3	-	-	-	-	2				F
	Micronesia	11 Jan 2021	11-Jan-21	1	-			-	1				F
AMERICAS	USA	21 Jan 2020	23-Mar-21	30,619,619	40,945	556,548	557	1.8	9,328	3,273	0.9	44,910,946	C
	Canada	25 Jan 2020	23-Mar-21	941,178	2,473	22,731	15	2.4	2,476	3,261	1.1	633,459	E
	Brazil	26 Feb 2020	22-Mar-21	12,057,988	-	295,818	-	2.5	5,694	-	0.9	3,507,089	C
	Mexico	28 Feb 2020	22-Mar-21	2,197,160	-	198,239	-	9.0	1,832	130	0.9	734,463	B
	Saint Martin	01 Mar 2020	19-Mar-21	1,619	-	12	-	0.7	4,345		0.8		B
	Ecuador	01 Mar 2020	23-Mar-21	313,570	719	16,504	26	5.3	1,835	288	1.1	20,137	E
	Dominican Republic	01 Mar 2020	23-Mar-21	250,177	401	3,283	8	1.3	2,354	373	1.1		D
	Chile	03 Mar 2020	23-Mar-21	942,958	4,864	22,384	25	2.4	5,035	4,004	1.1	2,986,085	E
	Argentina	03 Mar 2020	22-Mar-21	2,252,172	-	54,671	-	2.4	5,062	510	0.9	607,390	C
	Peru	05 Mar 2020	22-Mar-21	1,472,790	-	50,339	-	3.4	4,604	16	0.9	210,947	C
	Costa Rica	06 Mar 2020	19-Mar-21	211,903	-	2,896	-	1.4	4,239	628	0.5	53,898	C
	Colombia	06 Mar 2020	22-Mar-21	2,342,278	-	62,148	-	2.7	4,718	1,011	1.1	57,849	E
	French Guiana	06 Mar 2020	12-Mar-21	16,764	-	87	-	0.5	8,575		0.0		F
	Martinique	06 Mar 2020	16-Mar-21	7,309	-	47	-	0.6	1,688		0.0		C
	Paraguay	07 Mar 2020	22-Mar-21	196,112	-	3,769	-	1.9	2,819	851	1.0		C
	Panama	10 Mar 2020	22-Mar-21	351,213	-	6,052	-	1.7	8,409	2,153	0.9		C
	Bolivia	10 Mar 2020	22-Mar-21	265,207	-	12,074	-	4.6	2,336	634	0.8	19,502	B
	Honduras	11 Mar 2020	22-Mar-21	183,280	-	4,469	-	2.4	1,912		0.9		B
	Cuba	11 Mar 2020	23-Mar-21	68,250	774	401	4	0.6	602	1,863	1.0		C
	Guyana	11 Mar 2020	22-Mar-21	9,668	-	216	-	2.2	1,241		1.0		C
	Jamaica	12 Mar 2020	23-Mar-21	36,231	335	542	6	1.5	1,235	1,755	0.9		C
	St Vincent and the Grenadines	12 Mar 2020	22-Mar-21	1,700	-	10	-	0.6	1,542		1.2		D

Saint Lucia	13 Mar 2020	22-Mar-21	4,132	-	55	-	1.3	2,272		0.5		B
Trinidad and Tobago	13 Mar 2020	23-Mar-21	7,865	4	141	1	1.8	566	702	1.2		D
Venezuela	13 Mar 2020	22-Mar-21	151,894	-	1,502	-	1.0	526		1.1		C
Guatemala	13 Mar 2020	23-Mar-21	189,067	948	6,730	20	3.6	1,096	314	1.1		D
Uruguay	13 Mar 2020	22-Mar-21	84,230	-	811	-	1.0	2,442	4,732	1.1		E
Curacao	13 Mar 2020	22-Mar-21	6,041	-	24	-	0.4	3,779		1.2		D
Puerto Rico	13 Mar 2020	23-Mar-21	197,606	565	2,098	2	1.1	6,187		1.0	333,016	C
Suriname	13 Mar 2020	22-Mar-21	9,067	-	177	-	2.0	1,574		0.8		B
Antigua and Barbuda	13 Mar 2020	22-Mar-21	1,072	-	28	-	2.6	1,113				C
Guadeloupe	13 Mar 2020	17-Mar-21	10,976	-	165	-	1.5	2,478		1.0		C
Cayman Islands	13 Mar 2020	22-Mar-21	482	-	2	-	0.4	751			13,544	C
Aruba	14 Mar 2020	22-Mar-21	8,800	-	82	-	0.9	8,314		0.9		C
Bahamas	15 Mar 2020	22-Mar-21	8,923	-	188	-	2.1	2,314		1.1		C
US Virgin Islands	16 Mar 2020	18-Mar-21	2,804	-	25	-	0.9	2,621			9,461	C
Sint Maarten	17 Mar 2020	22-Mar-21	2,104	-	27	-	1.3	5,175				C
Montserrat	17 Mar 2020	14-Feb-21	20	-	1	-	5.0	214				F
Barbados	17 Mar 2020	22-Mar-21	3,559	-	40	-	1.1	1,242		0.8		C
El Salvador	18 Mar 2020	22-Mar-21	63,344	-	1,986	-	3.1	987	195	0.9		C
Nicaragua	18 Mar 2020	16-Mar-21	6,582	-	176	-	2.7	102		0.0		C
Bermuda	18 Mar 2020	22-Mar-21	830	-	12	-	1.4	1,298			11,674	D
Haiti	19 Mar 2020	22-Mar-21	12,722	-	251	-	2.0	114		0.7		B
Dominica	22 Mar 2020	12-Mar-21	156	-	-	-	-	218				F
Grenada	22 Mar 2020	15-Mar-21	154	-	1	-	0.6	138				F
Belize	23 Mar 2020	22-Mar-21	12,407	-	316	-	2.5	3,239		0.6		B
Turks and Caicos Islands	23 Mar 2020	22-Mar-21	2,294	-	17	-	0.7	6,091				C
Saint Kitts and Nevis	24 Mar 2020	18-Mar-21	44	-	-	-	-	84				A
British Virgin Islands	25 Mar 2020	26-Feb-21	153	-	1	-	0.7	513				F
Anguilla	26 Mar 2020	19-Mar-21	22	-	-	-	-	166				A

	Caribbean Netherlands	01 Apr 2020	23-Mar-21	1,119	1	10	1	0.9	6,213		0.9		C
	Falkland Islands	03 Apr 2020	16-Feb-21	54	-	-	-	-	2,047				F
	Saint Pierre and Miquelon	05 Apr 2020	28-Jan-21	24	-	-	-	-	342				F
	Saint Barthelemy	25 Jul 2020	19-Mar-21	775	-	1	-	0.1	9,172				B
EUROPE	France	24 Jan 2020	23-Mar-21	4,313,073	14,678	92,908	287	2.2	6,439		1.1	2,429,958	C
	Germany	27 Jan 2020	23-Mar-21	2,684,782	11,699	75,589	269	2.8	3,228	1,501	1.1	3,345,215	E
	Finland	29 Jan 2020	23-Mar-21	72,713	640	808	-	1.1	1,318	3,625	1.0	87,536	C
	Italy	30 Jan 2020	23-Mar-21	3,419,616	18,739	105,879	551	3.1	5,659	6,648	1.0	2,552,563	C
	Russian Federation	31 Jan 2020	23-Mar-21	4,474,610	8,457	95,818	427	2.1	3,097	2,879	1.0	2,792,793	B
	Spain	31 Jan 2020	23-Mar-21	3,234,319	5,516	73,744	201	2.3	6,878	1,572	1.1	2,110,868	C
	Sweden	31 Jan 2020	23-Mar-21	758,335	-	13,315	35	1.8	7,447		1.0	383,498	C
	United Kingdom of Great Britain	31 Jan 2020	23-Mar-21	4,307,304	5,379	126,284	112	2.9	6,478	19,263	1.0	2,281,384	C
	Belgium	05 Feb 2020	23-Mar-21	839,238	2,232	22,728	21	2.7	7,348	3,691	1.3	442,856	E
	Switzerland	25 Feb 2020	23-Mar-21	586,096	1,844	10,247	8	1.7	6,882	3,033	1.1	432,194	E
	Austria	25 Feb 2020	23-Mar-21	519,980	3,415	9,121	32	1.8	5,877	36,910	1.1	324,117	E
	Croatia	25 Feb 2020	23-Mar-21	258,745	956	5,808	22	2.2	6,327	2,244	1.2	76,460	E
	Norway	26 Feb 2020	23-Mar-21	88,531	496	649	-	0.7	1,666	5,564	1.0	262,780	C
	Romania	26 Feb 2020	23-Mar-21	907,007	6,149	22,442	174	2.5	4,658	1,620	1.1	776,407	E
	Estonia	26 Feb 2020	23-Mar-21	97,456	1,062	809	12	0.8	7,378	6,620	1.0	57,023	C
	Georgia	26 Feb 2020	23-Mar-21	278,178	528	3,714	4	1.3	7,456		1.0		D
	North Macedonia	26 Feb 2020	23-Mar-21	120,882	1,054	3,528	25	2.9	5,803	1,842	1.1		E
	Greece	26 Feb 2020	23-Mar-21	242,347	3,517	7,582	51	3.1	2,259	4,325	1.2	471,061	E
	Denmark	27 Feb 2020	23-Mar-21	227,031	254	2,403	1	1.1	3,916	31,512	1.0	316,068	C
	San Marino	27 Feb 2020	23-Mar-21	4,432	44	80	1	1.8	13,118			35	C
Lithuania	27 Feb 2020	23-Mar-21	210,202	862	3,501	15	1.7	7,535	2,411	1.1	126,143	D	
Netherlands	27 Feb 2020	23-Mar-21	1,213,366	5,560	16,339	49	1.3	7,042	1,193	1.1	493,123	E	
Azerbaijan	27 Feb 2020	23-Mar-21	248,307	1,333	3,384	18	1.4	2,497		1.3		E	
Belarus	28 Feb 2020	23-Mar-21	312,474	1,046	2,175	9	0.7	3,294	2,184	1.1	10,000	E	

Iceland	28 Feb 2020	23-Mar-21	6,122	3	29	-	0.5	1,731	2,194	1.6	15,066	D
Ireland	28 Feb 2020	23-Mar-21	231,484	365	4,610	22	2.0	4,769	3,256	1.1	181,063	C
Monaco	29 Feb 2020	23-Mar-21	2,199	17	27	-	1.2	5,685			8,331	B
Czech Republic	01 Mar 2020	23-Mar-21	1,475,538	8,205	25,055	245	1.7	13,887		0.9	371,235	B
Luxembourg	01 Mar 2020	22-Mar-21	59,497	-	719	-	1.2	9,790	14,091	1.0	17,872	C
Armenia	01 Mar 2020	23-Mar-21	185,020	801	3,384	24	1.8	6,268	1,669	1.2		E
Latvia	02 Mar 2020	23-Mar-21	98,094	508	1,840	12	1.9	5,092	8,460	1.0	19,177	B
Portugal	02 Mar 2020	23-Mar-21	818,212	434	16,794	10	2.1	7,958	3,055	0.9	447,552	B
Andorra	02 Mar 2020	23-Mar-21	11,591	46	113	-	1.0	15,052	9,232	1.1	1,264	C
Liechtenstein	03 Mar 2020	23-Mar-21	2,634	2	56	-	2.1	6,948				C
Ukraine	03 Mar 2020	23-Mar-21	1,565,732	11,476	30,431	333	1.9	3,509	1,210	1.1	1	E
Slovenia	04 Mar 2020	23-Mar-21	207,298	981	3,985	9	1.9	10,027	15,989	1.1	104,050	D
Hungary	04 Mar 2020	23-Mar-21	586,123	5,481	18,703	252	3.2	6,000	4,336	1.1	481,820	E
Poland	04 Mar 2020	23-Mar-21	2,089,869	16,740	49,761	396	2.4	5,503	2,232	1.2	1,783,720	E
Faroe Islands	04 Mar 2020	14-Mar-21	661	-	1	-	0.2	1,363			3,808	F
Bosnia and Herzegovina	05 Mar 2020	23-Mar-21	156,346	1,719	6,005	67	3.8	4,704	1,283	1.1		E
Gibraltar	05 Mar 2020	23-Mar-21	4,271	1	94	-	2.2	12,667		0.2	18,629	B
Slovakia	06 Mar 2020	23-Mar-21	350,551	1,281	9,190	86	2.6	6,436	65,272	0.9	237,873	B
Serbia	06 Mar 2020	23-Mar-21	561,372	5,475	5,002	36	0.9	8,040	2,733	1.1	865,018	E
Vatican City	06 Mar 2020	17-Oct-20	27	-	-	-	-	2,932				F
Malta	07 Mar 2020	23-Mar-21	28,409	90	375	2	1.3	5,875	10,395	0.8	44,483	B
Moldova	07 Mar 2020	23-Mar-21	217,715	1,621	4,623	33	2.1	6,140		1.0		C
Bulgaria	08 Mar 2020	22-Mar-21	307,890	-	12,188	-	4.0	4,398	2,940	0.9	73,853	C
Albania	09 Mar 2020	23-Mar-21	121,847	303	2,156	11	1.8	4,251	978	0.8	655	B
Cyprus	09 Mar 2020	22-Mar-21	42,628	-	245	-	0.6	3,584	44,900	0.9	35,963	C
Channel Islands	09 Mar 2020	27-Feb-21	821	-	17	-	2.1	1,259			5,334	F
Jersey	10 Mar 2020	23-Mar-21	3,225	1	69	-	2.1	3,551		0.9	3,320	B
Kazakhstan	13 Mar 2020	23-Mar-21	234,007	1,101	2,934	17	1.3	1,280	2,590	1.2	19,247	E
Kosovo	13 Mar 2020	23-Mar-21	82,969	827	1,766	16	2.1	4,496		1.2		E
Uzbekistan	15 Mar 2020	23-Mar-21	81,559	113	622	-	0.8	247		1.3		D
Greenland	16 Mar 2020	04-Mar-21	31	-	-	-	-	55				F

	Montenegro	17 Mar 2020	23-Mar-21	88,116	478	1,220	12	1.4	14,159		0.9	461	B
	Kyrgyzstan	18 Mar 2020	23-Mar-21	87,537	75	1,490	-	1.7	1,386		1.2		D
	Isle of Man	19 Mar 2020	22-Mar-21	1,503	-	26	-	1.7	1,788		0.5	11,340	B
	Tajikistan	30 Apr 2020	10-Jan-21	13,308	-	90	-	0.7	146		5.0		F
MIDDLE EAST	UAE	29 Jan 2020	23-Mar-21	444,398	2,172	1,451	6	0.3	4,614	30,482	1.0	2,187,849	B
	Iran	19 Feb 2020	23-Mar-21	1,815,712	7,290	61,951	74	3.4	2,220	541	0.9		B
	Israel	21 Feb 2020	23-Mar-21	829,288	524	6,114	5	0.7	9,335	8,947	0.6	4,592,626	B
	Lebanon	21 Feb 2020	23-Mar-21	444,865	3,851	5,850	42	1.3	6,495		1.0	50,097	C
	Kuwait	24 Feb 2020	23-Mar-21	221,743	1,288	1,246	13	0.6	5,360	2,414	1.0	38,000	D
	Oman	24 Feb 2020	23-Mar-21	152,364	836	1,633	4	1.1	3,155		1.2	19,019	D
	Bahrain	24 Feb 2020	23-Mar-21	137,550	809	503	1	0.4	8,764	14,998	1.1	238,915	D
	Iraq	24 Feb 2020	23-Mar-21	803,041	4,494	14,066	30	1.8	2,089	1,197	1.0		E
	Qatar	29 Feb 2020	23-Mar-21	174,762	534	275	1	0.2	6,283	2,718	1.0		D
	Saudi Arabia	02 Mar 2020	23-Mar-21	385,834	410	6,618	5	1.7	1,145	1,583	1.1		D
	Jordan	02 Mar 2020	23-Mar-21	553,727	9,003	6,077	92	1.1	5,562	5,254	1.0	63,370	E
	Palestine	05 Mar 2020	23-Mar-21	256,265	2,259	2,728	20	1.1	5,609		1.0		C
	Syria	22 Mar 2020	22-Mar-21	17,583	-	1,175	-	6.7	104		1.3		D
Yemen	10 Apr 2020	23-Mar-21	3,612	96	785	14	21.7	13		1.4		D	
AFRICA	Egypt	14 Feb 2020	22-Mar-21	196,061	-	11,637	-	5.9	199		0.9		C
	Algeria	25 Feb 2020	22-Mar-21	116,255	-	3,061	-	2.6	275		0.7		B
	Nigeria	28 Feb 2020	22-Mar-21	161,868	-	2,030	-	1.3	83	64	0.6		B
	Tunisia	02 Mar 2020	23-Mar-21	246,507	584	8,610	41	3.5	2,131	-	0.9		C
	Morocco	02 Mar 2020	23-Mar-21	492,403	569	8,775	6	1.8	1,367	330	1.0	2,516,742	C
	Senegal	02 Mar 2020	23-Mar-21	37,958	38	1,020	4	2.7	239	140	0.9		B
	South Africa	05 Mar 2020	23-Mar-21	1,538,961	510	52,251	55	3.4	2,664	580	1.0	182,983	C
	Cameroon	06 Mar 2020	11-Mar-21	40,622	-	601	-	1.5	161		0.0		F
	Togo	06 Mar 2020	23-Mar-21	9,147	187	105	1	1.1	116	179	1.1		C
	Burkina Faso	09 Mar 2020	22-Mar-21	12,559	-	145	-	1.2	64		1.1		C
	Democratic Republic of Congo	10 Mar 2020	23-Mar-21	27,580	8	726	-	2.6	33		0.9		C
	Ivory Coast	11 Mar 2020	23-Mar-21	40,868	267	222	-	0.5	163	157	1.1		D
	Reunion	11 Mar 2020	23-Mar-21	15,561	930	102	15	0.7	2,003		5.2		E
	Ghana	13 Mar 2020	23-Mar-21	89,787	105	731	6	0.8	302	91	0.9		C
	Guinea	13 Mar 2020	22-Mar-21	18,945	-	113	-	0.6	153		0.9		C
	Gabon	13 Mar 2020	22-Mar-21	18,078	-	108	-	0.6	853		1.1		D
	Sudan	13 Mar 2020	21-Mar-21	29,419	-	1,986	-	6.8	70		1.0		C
Kenya	13 Mar 2020	23-Mar-21	123,167	1,127	2,048	25	1.7	240	-	1.2		E	
Ethiopia	13 Mar 2020	23-Mar-21	190,594	1,692	2,693	19	1.4	174	80	1.2		E	

Central African Republic	14 Mar 2020	21-Mar-21	5,087	-	64	-	1.3	109		1.4		D
Seychelles	14 Mar 2020	22-Mar-21	3,798	-	16	-	0.4	3,925		1.0	27,693	C
Rwanda	14 Mar 2020	23-Mar-21	20,975	79	295	3	1.4	171	401	0.9		C
Namibia	14 Mar 2020	23-Mar-21	42,771	118	498	4	1.2	1,747	748	1.1		D
Swaziland	14 Mar 2020	23-Mar-21	17,296	6	665	-	3.8	1,522		1.1		C
Mauritania	14 Mar 2020	22-Mar-21	17,630	-	447	-	2.5	400	218	1.0		C
Mayotte	14 Mar 2020	22-Mar-21	19,006	-	154	-	0.8	11,950		0.4		B
Equatorial Guinea	15 Mar 2020	21-Mar-21	6,780	-	101	-	1.5	518		0.9	800	C
Republic of Congo	15 Mar 2020	18-Mar-21	9,564	-	134	-	1.4	182		1.2		C
Benin	16 Mar 2020	19-Mar-21	6,818	-	90	-	1.3	59		1.3		D
Liberia	16 Mar 2020	17-Mar-21	2,042	-	85	-	4.2	42				B
Tanzania	16 Mar 2020	09-May-20	509	-	21	-	4.1	1		5.0		F
Somalia	16 Mar 2020	23-Mar-21	10,369	155	453	12	4.4	69		1.1		C
Gambia	17 Mar 2020	21-Mar-21	5,255	-	161	-	3.1	230	93	1.0		C
Zambia	17 Mar 2020	23-Mar-21	86,779	244	1,185	3	1.4	500	355	0.8		B
Mauritius	18 Mar 2020	22-Mar-21	809	-	10	-	1.2	64				B
Djibouti	18 Mar 2020	23-Mar-21	6,771	113	64	-	0.9	706		1.8		D
Niger	19 Mar 2020	22-Mar-21	4,928	-	185	-	3.8	22		1.0		C
Chad	19 Mar 2020	23-Mar-21	4,440	13	158	1	3.6	29				B
Zimbabwe	20 Mar 2020	23-Mar-21	36,717	33	1,516	2	4.1	254	133	0.9		B
Cape Verde	20 Mar 2020	23-Mar-21	16,555	38	163	3	1.0	3,045		1.1		D
Madagascar	20 Mar 2020	23-Mar-21	22,682	66	361	6	1.6	86	48	0.8		C
Uganda	21 Mar 2020	22-Mar-21	40,687	-	334	-	0.8	95	39	1.1		C
Eritrea	21 Mar 2020	23-Mar-21	3,163	45	8	1	0.3	89		1.2		C
Angola	21 Mar 2020	23-Mar-21	21,774	17	530	-	2.4	71		1.0		C
Mozambique	22 Mar 2020	22-Mar-21	66,306	-	747	-	1.1	225	49	0.7		B
Libya	24 Mar 2020	23-Mar-21	153,411	901	2,564	51	1.7	2,297		1.0		C
Guinea-Bissau	25 Mar 2020	22-Mar-21	3,586	-	56	-	1.6	191		0.9		C
Mali	25 Mar 2020	23-Mar-21	9,474	94	372	1	3.9	50		1.2		D
Botswana	30 Mar 2020	22-Mar-21	37,559	-	485	-	1.3	1,666		1.5		C
Sierra Leone	31 Mar 2020	23-Mar-21	3,949	1	79	-	2.0	52		0.8		B
Burundi	31 Mar 2020	23-Mar-21	2,628	10	6	-	0.2	24		1.2		D
Malawi	02 Apr 2020	23-Mar-21	33,323	53	1,099	1	3.3	190	141	1.1		C
South Sudan	05 Apr 2020	22-Mar-21	9,890	-	106	-	1.1	120	117	0.5		B
Sao Tome and Principe	06 Apr 2020	23-Mar-21	2,159	2	34	-	1.6	1,092		0.9		C

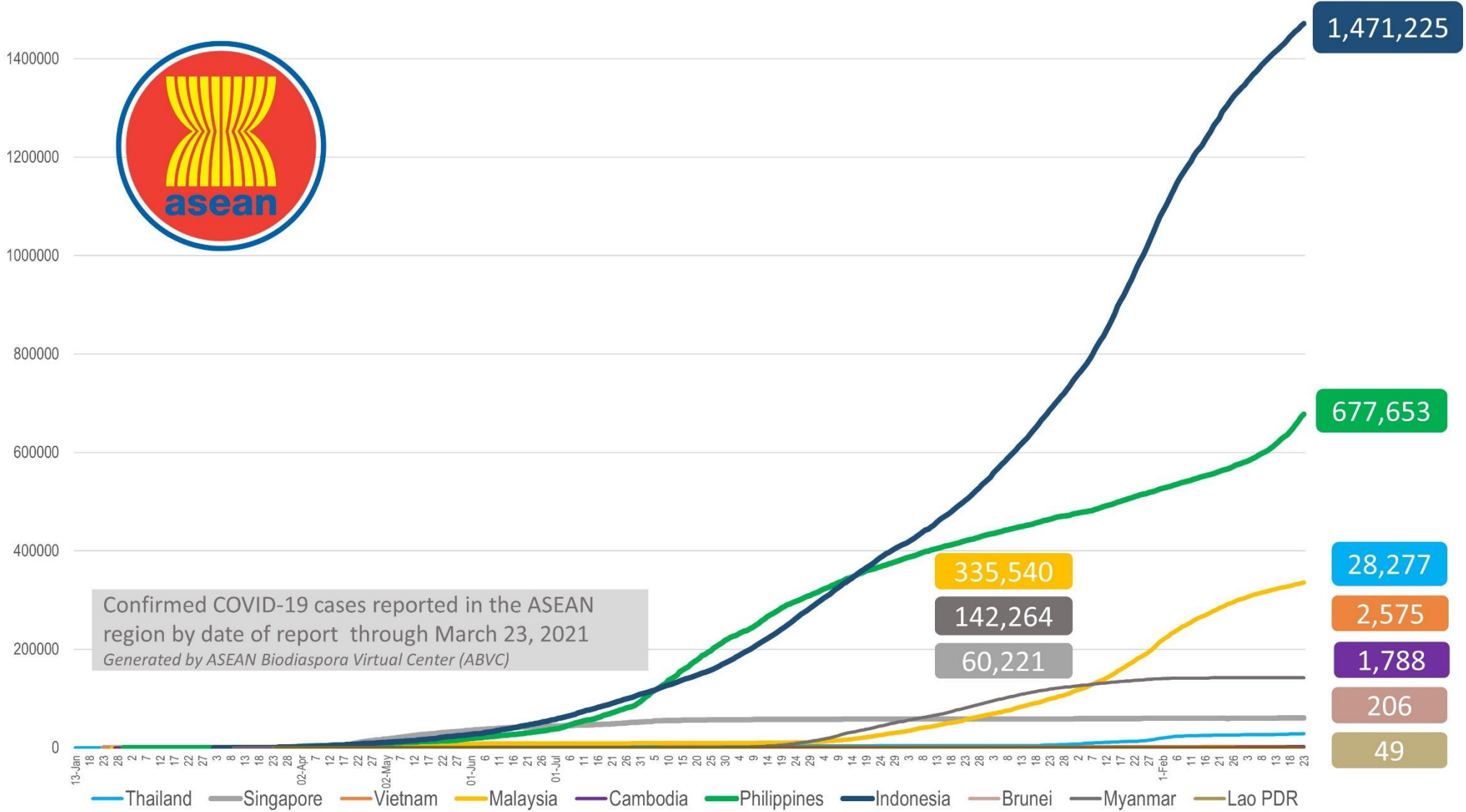
	Comoros	30 Apr 2020	23-Mar-21	3,681	15	146	-	4.0	442		0.9		C
	Lesotho	13May 2020	23-Mar-21	10,685	147	314	5	2.9	507		25.6		C
				122,147,834	330,521	2,683,163	5,712	2.2					

*time-varying reproduction number (Rt)

**Country Category by rate of change of new COVID-19 cases over the past week (represented by seven-day rolling averages): <100 cases (A), significantly decreasing (B), stable rate (C), significantly increasing moderate rate (D), significantly increasing high rate (E), insufficient data (F)

COVID-19 Epi curve among ASEAN Countries

as of 23 March 2021



ASEAN Country Categorization

as of 22 March 2021

Country	Category
Brunei	C – Stable rate of new cases
Cambodia	C – Stable rate of new cases
Indonesia	E - Significantly increasing rate of new cases (high rate of change)
Lao PDR	A – Less than 100 cases
Malaysia	C – Stable rate of new cases
Myanmar	C – Stable rate of new cases
Philippines	E - Significantly increasing rate of new cases (high rate of change)
Singapore	D - Significantly increasing rate of new cases (moderate rate of change)
Thailand	C – Stable rate of new cases
Vietnam	B - Significantly decreasing rate of new cases



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

