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

ASEAN Biodiaspora Virtual Center (ABVC)

as of December 23, 2020 (2:00 PM GMT+8)



### **COVID-19: Highlights and Situation Overview**

- Worldwide, there have been over 78.1 million cases and more than 1.71 million deaths attributed to COVID-19.
- On December 21, media sources reported the first cases of COVID-19 in Antarctica. Approximately 36 new infections were confirmed at a Chilean military base (General Bernardo O'Higgins Research Base), which included 26 army members and 10 maintenance workers. All 36 individuals who tested positive for the virus are currently in isolation in Punta Arenas, Chile and are said to be in stable condition. A new group of replacement personnel was quarantined, tested, and sent to replace the affected group in Antarctica. The uninhabited continent usually has between 1,000 to 5,000 scientists and support staff residents who stay throughout the winter at research facilities. As a result of this outbreak, all major research projects have been halted. With the confirmation of cases in the antarctic, the pandemic has now affected all continents.
- 427 new cases were reported in Thailand on December 22, bring the country's total number of COVID-19 cases to 5,716. For nearly seven months, the seven-day rolling average number of daily new cases remained in the single-diaits. Thailand, the first country to record a case of COVID-19 outside of China, has been largely successful in mitigating the spread of the virus due to strict entry requirements, and a robust contact tracing network. However, a large cluster of cases tied to a shrimp market in Samut Sakhon province has resulted in the country's worst outbreak to date. The market, which has since been closed, serves as a commercial hub for seafood in Thailand — an industry in which thousands of migrant workers are involved. Four cases were identified from the market on December 18, and by December 20 this number had grown to 689. Migrant workers represented over three-quarters of positive tests. Early investigations indicate that all incident cases are linked to a 67-yearold seafood vendor, who has no travel history of leaving the country. In the past few days alone, the outbreak has resulted in more than 1,100 confirmed infections (for context, Thailand had previously reported fewer than 5,000 cases of COVID-19 since January 1, 2020). As a result, the entire province has been placed under lockdown and midnight to 5 a.m. curfew is in effect. Upwards to 40,000 people are currently being tested in Samut Sakhon and nearby provinces as a precaution. Additionally, health officials have recommended that buyers from more than 20 provinces who had visited the shrimp market between December 1 to 18, should get tested. Schools in three districts of Bangkok, which share a border with Samut Sakhon, have been ordered to close until January 4, 2021. The event comes mere days after Thai officials decided to relax travel restrictions for citizens from over 50 countries, in an effort to stimulate tourism. Among others, travellers from Australia, France, and the United States will be able to enter Thailand, visa-free, although documentation of a negative PCR test for COVID-19 within 72 hours, and a reservation to an approved guarantine hotel is required for all arrivals. Visitors must now complete three COVID-19 tests during a 14-day quarantine, up from two previously required. Other visa extensions have been noted.
- Myanmar closed off public gardens, parks and a lake in its biggest city Yangon on Monday (Dec 21), hoping to prevent a spike in COVID-19 cases during year-end holidays. City officials trying to protect recent gains in containing COVID-19 infections put up barricades, signs and cordons around the Mahabandula park and along the banks of the Inya lake, among other

popular sites known for drawing holiday crowds. The closures come amid fears that fatigue and frustration from the coronavirus crisis and containment measures could see a larger turnout than usual this year.

#### Vaccine Update

- On December 18, the U.S. FDA issued an Emergency Use Authorization (EUA) for the Moderna vaccine, following recommendations by the Vaccine and Related Biological Advisory Committee (VRBPAC). The move has made Moderna the second COVID-19 vaccine to be authorized for use in the United States. Notably, VRBPAC recommends the use of the Moderna vaccine for adults aged 18 and over, administered in two doses taken 28 days apart. The Moderna vaccine has less stringent cold chain requirements than the Pfizer/BioNTech vaccine. The approval of this candidate provides an alternative to health systems across the country that face logistical challenges in storage, distribution, and access to the Pfizer/BioNTech vaccine.
- On December 21, the European Commission granted approval for the Pfizer/BioNTech COVID-19 vaccine for use across the EU. The announcement comes one day following a formal recommendation that was issued by the European Medicines Agency (EMA) upon the safety and efficacy of the candidate based on Phase 3 clinical trials. Administration of the vaccine is set to begin in some EU states as early as December 27. The EMA suggested the use of the vaccine in individuals aged 16 and over, and has stated that consideration of pregnant women should be done on a case-by-case basis, citing limited representation of this group in clinical trials. The EMA was originally scheduled to evaluate the Pfizer/BioNTech candidate on December 29, although the meeting was expedited. The EU's approval for the vaccine comes roughly three weeks after Britain's, where vaccination campaigns have already begun, and 10 days after the U.S.

#### Travel Advisories (new update/s)

- Indonesia: The government is restricting state civil servants from traveling out of town and taking leave as part of its efforts to avoid a COVID-19 case surge following the Christmas and New Year celebrations. The new policy is stipulated in Administrative and Bureaucratic Reform Ministry (Kemenpan-RB) circular No. 72/2020 on travel and leave restrictions during the COVID-19 pandemic, which was issued on December 21. The rules take effect from December 21 to January 8, 2021. In a situation where a civil servant needs to travel out of town, they have to be aware of virus infection risk zoning, of local regulations at their destinations in regard to people's movement restrictions during the pandemic and to comply with health protocols, including those on traveling, at all times.
- Philippines: On December 23, the Philippines' official said in a statement that all flights from the United Kingdom are banned as the European nation battles a more infectious COVID-19 strain. All United Kingdom flights to the Philippines are suspended starting December 24 until December 31.

• Japan: Japan will ban the entry of non-citizens flying from the United Kingdom starting Thursday (December 24), following the emergence of a highly infectious new coronavirus strain. Starting next week, Japanese nationals coming from Britain would be asked to submit a certificate to confirm they had tested negative for COVID-19 within 72 hours of their departure.

#### Cases and Deaths as of 23 December 2020

- As of December 23 (2PM, GMT+8), worldwide, there were **78,407,195** confirmed cases, including **1,722,886** deaths. Globally, Case Fatality Rate (CFR) is **2.20**.
- In **China**, there were **95,984** confirmed cases with **4,773** deaths, including deaths in Hong Kong (132) and Taiwan (7). Confirmed cases in China include confirmed cases in Hong Kong (8,301), Macau (46), and Taiwan (770).
- 1,422,428 confirmed cases of COVID-19 have been reported in the ASEAN region with a total of 32,328 deaths.

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST REPORT ON CONFIRMED CASE(S)	TOTAL CONFIRM ED CASES	NEW CASES (7-DAY ROLLING AVERAGE)	TOTAL DEATHS	NEW DEATHS (7-DAY ROLLING AVERAGE)	CASE FATALITY RATE	REPORTED CASES/ 100,000	REPORTED TESTS LAST 14 DAYS /100,000	RT MEAN**
ASEAN	Brunei	10 Mar 20	08-Dec-20	152	-	3	-	1.97	39		
REGION	Cambodia	27 Jan 20	21-Dec-20	363	-	-	-	-	2		
	Indonesia	02 Mar 20	22-Dec-20	678,125	6,347 (6,957)	20,257	172 (164)	2.99	285	265	1.1
	Lao PDR	24 Mar 20	07-Dec-20	41	-	-	-	-	1		
	Malaysia	25 Jan 20	22-Dec-20	97,389	2,062 (1,539)	439	1 (2)	0.45	341	961	1.0
	Myanmar	23 Mar 20	22-Dec-20	117,946	964 (1,040)	2,484	19 (24)	2.11	229	517	0.9
	Philippines	30 Jan 20	22-Dec-20	462,815	1,310 (1,586)	9,021	64 (30)	1.95	501	411	1.1
	Singapore	23 Jan 20	22-Dec-20	58,461	29 (17)	29	-	0.05	1,510	5,082	1.5
	Thailand	13 Jan 20	22-Dec-20	5,716	427 (218)	60	-	1.05	8	25	4.9
	Vietnam	23 Jan 20	22-Dec-20	1,420	6 (2)	35	-	2.46	2	-	
				1,422,428	11,145	32,328	256				

\*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

• **78,407,195 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
ASIA PACIFIC	Japan	16 Jan 2020	22-Dec-20	200,658	2,135	2,944	44	1.47
	South Korea	20 Jan 2020	22-Dec-20	51,460	869	722	24	1.40
	Nepal	24 Jan 2020	22-Dec-20	255,236	722	1,798	3	0.70
	Australia	25 Jan 2020	22-Dec-20	28,219	21	908	-	3.22
	Sri Lanka	27 Jan 2020	22-Dec-20	37,891	260	181	5	0.48
	India	30 Jan 2020	22-Dec-20	10,099,308	23,886	146,476	331	1.45
	Afghanistan	24 Feb 2020	22-Dec-20	51,089	201	2,105	16	4.12
	Pakistan	26 Feb 2020	22-Dec-20	460,672	1,704	9,474	82	2.06
	New Zealand	28 Feb 2020	21-Dec-20	2,121	-	25	-	1.18
	Bhutan	05 Mar 2020	22-Dec-20	479	12	-	_	-
	Maldives	07 Mar 2020	22-Dec-20	13,524	23	48	_	0.35
	Bangladesh	08 Mar 2020	22-Dec-20	503,501	1,318	7,329	17	1.46
	Mongolia	10 Mar 2020	22-Dec-20	1,006	13	-	_	-
	Turkey	10 Mar 2020	22-Dec-20	2,062,960	19,256	18,602	251	0.90
	French Polynesia	12 Mar 2020	21-Dec-20	16,345		106	_	0.65
	Guam	15 Mar 2020	22-Dec-20	7,238	27	121	1	1.67
	New Caledonia	17 Mar 2020	22-Dec-20	38	1	_	-	-
	Fiji	18 Mar 2020	14-Dec-20	46	_	2		4.35
	Papua New Guinea	21 Mar 2020	21-Dec-20	761	-	9	-	1.18
	Timor Leste	21 Mar 2020	03-Dec-20	31	_	_	_	-
	Northern Mariana Islands	28 Mar 2020	20-Dec-20	116	-	2	-	1.72
	North Korea	24 Jul 2020	25-Jul-20	1	-	-	-	-
	Solomon Islands	03 Oct 2020	25-Nov-20	17	_	-	-	_

	Wallis et Futuna	17 Oct 2020	17-Dec-20	4	-	-	-	-
	Marshall Islands	26 Oct 2020	17-Nov-20	4	-			-
	Vanuatu	11 Nov 2020	11-Nov-20	1	-	-	-	-
	Samoa	18 Nov 2020	27-Nov-20	2	-	-	-	-
MERICAS	USA	21 Jan 2020	22-Dec-20	18,598,491	124,775	328,825	2,053	1.77
	Canada	25 Jan 2020	22-Dec-20	520,045	4,745	14,402	70	2.77
	Brazil	26 Feb 2020	22-Dec-20	7,318,821	54,600	188,259	937	2.57
	Mexico	28 Feb 2020	21-Dec-20	1,325,915	-	118,598	-	8.94
	Saint Martin	01 Mar 2020	18-Dec-20	918	-	12	-	1.3
	Ecuador	01 Mar 2020	22-Dec-20	206,364	35	13,949	-	6.7
	Dominican Republic	01 Mar 2020	22-Dec-20	161,930	878	2,398	13	1.48
	Chile	03 Mar 2020	22-Dec-20	589,189	1,701	16,217	20	2.7
	Argentina	03 Mar 2020	21-Dec-20	1,547,138	-	41,997	-	2.7
	Peru	05 Mar 2020	21-Dec-20	998,475	-	37,173	-	3.7
	Costa Rica	06 Mar 2020	21-Dec-20	159,893	-	2,037	-	1.2
	Colombia	06 Mar 2020	21-Dec-20	1,518,067	-	40,680	-	2.6
	French Guiana	06 Mar 2020	22-Dec-20	12,499	66	71	-	0.5
	Martinique	06 Mar 2020	16-Dec-20	5,634	-	42	-	0.7
	Paraguay	07 Mar 2020	21-Dec-20	100,612	-	2,103	-	2.0
	Panama	10 Mar 2020	21-Dec-20	214,038	-	3,597	-	1.6
	Bolivia	10 Mar 2020	21-Dec-20	150,385	-	9,043	-	6.0
	Honduras	11 Mar 2020	21-Dec-20	117,190	-	3,034	-	2.5
	Cuba	11 Mar 2020	22-Dec-20	10,384	142	139	2	1.3
	Guyana	11 Mar 2020	21-Dec-20	6,171	-	159	-	2.5
	Jamaica	12 Mar 2020	22-Dec-20	12,354	65	288	2	2.3
	St Vincent and the Grenadines	12 Mar 2020	22-Dec-20	107	3	-	-	
	Saint Lucia	13 Mar 2020	20-Dec-20	287	-	5	-	1.7
	Trinidad and Tobago	13 Mar 2020	21-Dec-20	7,012	-	125	-	1.7

Venezuela	13 Mar 2020	21-Dec-20	110,513	-	993	-	0.90
Guatemala	13 Mar 2020	22-Dec-20	133,601	734	4,718	30	3.53
Uruguay	13 Mar 2020	21-Dec-20	13,477	-	119	-	0.88
Curacao	13 Mar 2020	21-Dec-20	3,974	-	11	-	0.28
Puerto Rico	13 Mar 2020	22-Dec-20	120,703	1,531	1,391	9	1.15
Suriname	13 Mar 2020	21-Dec-20	5,583	-	118	-	2.11
Antigua and Barbuda	13 Mar 2020	20-Dec-20	153	-	5	-	3.27
Guadeloupe	13 Mar 2020	15-Dec-20	8,524	-	154	-	1.81
Cayman Islands	13 Mar 2020	21-Dec-20	316	-	2	-	0.63
Aruba	14 Mar 2020	22-Dec-20	5,199	23	47	-	0.90
Bahamas	15 Mar 2020	21-Dec-20	7,765	-	164	-	2.11
US Virgin Islands	16 Mar 2020	22-Dec-20	1,934	13	23	-	1.19
Sint Maarten	17 Mar 2020	21-Dec-20	1,338	-	26	-	1.94
Montserrat	17 Mar 2020	03-Aug-20	13	-	1	-	7.69
Barbados	17 Mar 2020	22-Dec-20	322	1	7	-	2.17
El Salvador	18 Mar 2020	21-Dec-20	43,772	-	1,265	8	2.89
Nicaragua	18 Mar 2020	16-Dec-20	5,938	-	163	-	2.75
Bermuda	18 Mar 2020	20-Dec-20	527	-	9	-	1.71
Haiti	19 Mar 2020	22-Dec-20	9,771	8	234	-	2.39
Dominica	22 Mar 2020	13-Dec-20	88	-	-	-	-
Grenada	22 Mar 2020	20-Dec-20	103	-	-	-	-
Belize	23 Mar 2020	21-Dec-20	10,145	-	224	-	2.21
Turks and Caicos Islands	23 Mar 2020	20-Dec-20	798	-	6	-	0.75
Saint Kitts and Nevis	24 Mar 2020	18-Dec-20	30	-	-	-	-
British Virgin Islands	25 Mar 2020	19-Dec-20	86	-	1	_	1.16
Anguilla	26 Mar 2020	08-Dec-20	10	-	-	-	-
Caribbean Netherlands	01 Apr 2020	19-Dec-20	179	-	3	-	1.68

	Falkland Islands	03 Apr 2020	15-Dec-20	23	-	-	-	-
	Saint Pierre and Miquelon	05 Apr 2020	24-Sep-20	16	-	-	-	-
	Saint Barthelemy	25 Jul 2020	18-Dec-20	175	-	1	-	0.57
UROPE	France	24 Jan 2020	22-Dec-20	2,490,946	11,795	61,702	802	2.48
	Germany	27 Jan 2020	22-Dec-20	1,556,611	22,495	28,241	944	1.81
	Finland	29 Jan 2020	22-Dec-20	33,717	303	511	5	1.52
	Italy	30 Jan 2020	22-Dec-20	1,977,370	13,316	69,842	628	3.53
	<b>Russian Federation</b>	31 Jan 2020	22-Dec-20	2,906,503	28,776	51,912	561	1.79
	Spain	31 Jan 2020	22-Dec-20	1,829,903	10,654	49,520	260	2.71
	Sweden	31 Jan 2020	22-Dec-20	389,439	22,319	8,167	174	2.10
	United Kingdom of Great Britain	31 Jan 2020	22-Dec-20	2,110,314	36,803	68,307	691	3.24
	Belgium	05 Feb 2020	22-Dec-20	626,911	981	18,697	71	2.98
	Switzerland	25 Feb 2020	22-Dec-20	418,266	4,275	6,864	83	1.64
	Austria	25 Feb 2020	22-Dec-20	342,226	1,853	5,540	105	1.62
	Croatia	25 Feb 2020	22-Dec-20	197,323	1,595	3,328	71	1.69
	Norway	26 Feb 2020	21-Dec-20	44,336	-	405	-	0.91
	Romania	26 Feb 2020	22-Dec-20	598,792	5,009	14,636	155	2.44
	Estonia	26 Feb 2020	22-Dec-20	22,647	564	187	6	0.83
	Georgia	26 Feb 2020	22-Dec-20	212,526	3,064	2,182	42	1.03
	North Macedonia	26 Feb 2020	22-Dec-20	79,190	756	2,340	26	2.95
	Greece	26 Feb 2020	22-Dec-20	132,430	833	4,340	83	3.28
	Denmark	27 Feb 2020	22-Dec-20	140,175	2,543	1,070	17	0.76
	San Marino	27 Feb 2020	22-Dec-20	2,176	41	56	1	2.57
	Lithuania	27 Feb 2020	22-Dec-20	116,358	1,871	1,093	54	0.94
	Netherlands	27 Feb 2020	22-Dec-20	710,683	9,810	10,633	114	1.50
	Azerbaijan	27 Feb 2020	22-Dec-20	205,877	2,284	2,294	41	1.11
	Belarus	28 Feb 2020	22-Dec-20	177,274	1,858	1,341	8	0.76

lceland	28 Feb 2020	22-Dec-20	5,667	11	28	-	0.49
Ireland	28 Feb 2020	22-Dec-20	81,228	961	2,171	13	2.67
Monaco	29 Feb 2020	22-Dec-20	756	14	3	-	0.40
Czech Republic	01 Mar 2020	22-Dec-20	635,414	7,891	10,562	151	1.66
Luxembourg	01 Mar 2020	22-Dec-20	44,809	227	453	3	1.01
Armenia	01 Mar 2020	22-Dec-20	154,602	537	2,673	17	1.73
Latvia	02 Mar 2020	22-Dec-20	32,339	1,004	459	16	1.42
Portugal	02 Mar 2020	22-Dec-20	378,656	2,436	6,254	63	1.65
Andorra	02 Mar 2020	22-Dec-20	7,633	31	82	1	1.07
Liechtenstein	03 Mar 2020	22-Dec-20	1,826	42	28	1	1.53
Ukraine	03 Mar 2020	22-Dec-20	979,506	8,513	16,897	232	1.73
Slovenia	04 Mar 2020	22-Dec-20	107,805	1,511	2,418	39	2.24
Hungary	04 Mar 2020	22-Dec-20	306,368	1,238	8,462	180	2.76
Poland	04 Mar 2020	22-Dec-20	1,214,525	7,192	25,783	309	2.12
Faroe Islands	04 Mar 2020	22-Dec-20	550	3	-	-	-
Bosnia and Herzegovina	05 Mar 2020	22-Dec-20	106,986	764	3,792	86	3.54
Gibraltar	05 Mar 2020	22-Dec-20	1,330	48	6	-	0.45
Slovakia	06 Mar 2020	22-Dec-20	155,218	2,663	1,618	-	1.04
Serbia	06 Mar 2020	22-Dec-20	307,827	4,080	2,782	49	0.90
Vatican City	06 Mar 2020	17-Oct-20	27	-	-	-	-
Malta	07 Mar 2020	22-Dec-20	11,910	108	196	2	1.65
Moldova	07 Mar 2020	22-Dec-20	136,931	1,021	2,803	26	2.05
Bulgaria	08 Mar 2020	21-Dec-20	192,472	-	6,765	-	3.51
Albania	09 Mar 2020	22-Dec-20	53,814	389	1,111	13	2.06
Cyprus	09 Mar 2020	21-Dec-20	18,004	-	96	-	0.53
Channel Islands	09 Mar 2020	20-Dec-20	293	-	16	-	5.46
Jersey	10 Mar 2020	22-Dec-20	2,483	38	39	1	1.57
Kazakhstan	13 Mar 2020	22-Dec-20	147,975	739	2,196	49	1.48
Kosovo	13 Mar 2020	21-Dec-20	49,169	-	1,262	-	2.57

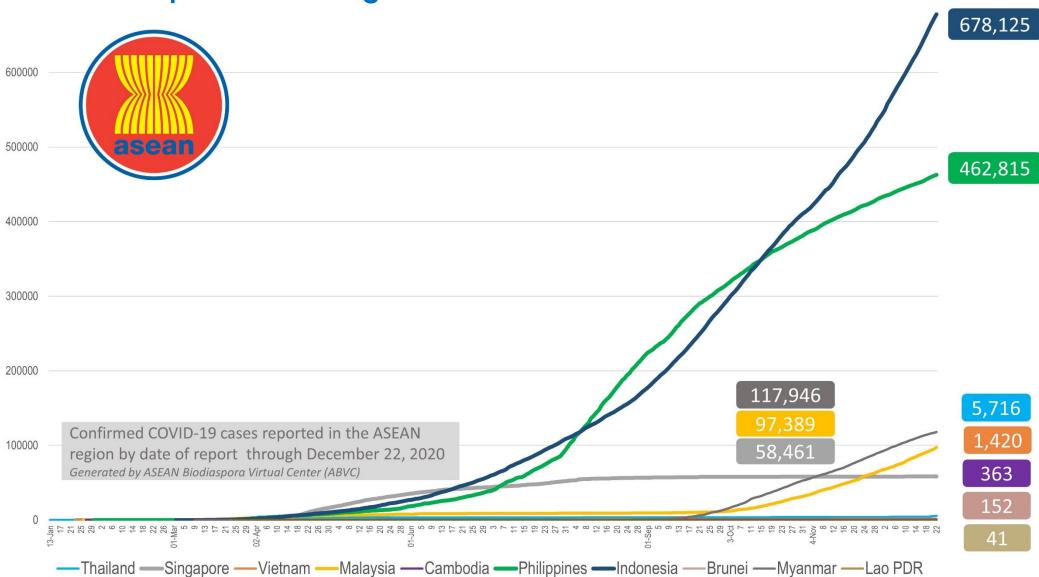
	Uzbekistan	15 Mar 2020	22-Dec-20	76,180	132	612	-	0.80
	Greenland	16 Mar 2020	21-Dec-20	25	-	-	-	-
	Montenegro	17 Mar 2020	22-Dec-20	44,542	258	637	7	1.43
	Kyrgyztan	18 Mar 2020	22-Dec-20	79,429	175	1,335	4	1.68
	Isle of Man	19 Mar 2020	21-Dec-20	374	_	25	-	6.68
	Tajikistan	30 Apr 2020	22-Dec-20	13,034	36	89	-	0.68
MIDDLE EAST	UAE	29 Jan 2020	22-Dec-20	195,878	1,226	642	3	0.33
	Iran	19 Feb 2020	22-Dec-20	1,170,743	6,208	54,003	187	4.61
	Israel	21 Feb 2020	22-Dec-20	381,454	3,195	3,128	17	0.82
	Lebanon	21 Feb 2020	22-Dec-20	160,979	1,693	1,311	17	0.81
	Kuwait	24 Feb 2020	21-Dec-20	148,209		922	-	0.62
	Oman	24 Feb 2020	22-Dec-20	128,143	212	1,490	1	1.16
	Bahrain	24 Feb 2020	22-Dec-20	90,634	184	350	-	0.39
	Iraq	24 Feb 2020	22-Dec-20	586,503	1,158	12,725	15	2.17
	Qatar	29 Feb 2020	22-Dec-20	142,308	149	243	-	0.17
	Saudi Arabia	02 Mar 2020	22-Dec-20	361,359	181	6,139	8	1.70
	Jordan	02 Mar 2020	22-Dec-20	279,892	2,444	3,627	23	1.30
	Palestine	05 Mar 2020	22-Dec-20	141,608	1,561	1,316	29	0.93
	Syria	22 Mar 2020	22-Dec-20	10,442	124	630	9	6.03
	Yemen	10 Apr 2020	17-Dec-20	2,087	-	606	-	29.04
AFRICA	Egypt	14 Feb 2020	21-Dec-20	126,273	-	7,130	-	5.65
	Algeria	25 Feb 2020	22-Dec-20	96,069	410	2,687	12	2.80
	Nigeria	28 Feb 2020	21-Dec-20	78,790	-	1,227	-	1.56
	Tunisia	02 Mar 2020	22-Dec-20	123,323	1,605	4,237	38	3.44
	Morocco	02 Mar 2020	22-Dec-20	420,648	2,646	7,030	30	1.67
	Senegal	02 Mar 2020	22-Dec-20	17,945	66	372	1	2.07
	South Africa	05 Mar 2020	22-Dec-20	940,212	9,501	25,246	339	2.69
	Cameroon	06 Mar 2020	20-Dec-20	25,849	-	448	-	1.73
	Тодо	06 Mar 2020	21-Dec-20	3,436	-	66	-	1.92
	Burkina Faso	09 Mar 2020	21-Dec-20	5,301	-	76	-	1.43
	Democratic Republic of Congo	10 Mar 2020	21-Dec-20	15,669	-	370	-	2.36
	Ivory Coast	11 Mar 2020	21-Dec-20	21,932	-	133	-	0.61
	Reunion	11 Mar 2020	21-Dec-20	8,801	-	42	-	0.48

Ghana	13 Mar 2020	21-Dec-20	53,954	-	333	-	0.62
Guinea	13 Mar 2020	21-Dec-20	13,578	-	80	-	0.59
Gabon	13 Mar 2020	21-Dec-20	9,420	-	64	-	0.68
Sudan	13 Mar 2020	22-Dec-20	23,316	353	1,468	18	6.30
Kenya	13 Mar 2020	22-Dec-20	94,768	154	1,647	3	1.74
Ethiopia	13 Mar 2020	22-Dec-20	120,638	290	1,864	3	1.55
Central African Republic	14 Mar 2020	11-Dec-20	4,936	-	63	-	1.28
Seychelles	14 Mar 2020	21-Dec-20	205	-	-	-	-
Rwanda	14 Mar 2020	22-Dec-20	7,511	109	66	1	0.88
Namibia	14 Mar 2020	22-Dec-20	19,629	330	181	1	0.92
Swaziland	14 Mar 2020	22-Dec-20	7,715	153	142	1	1.84
Mauritania	14 Mar 2020	22-Dec-20	12,745	178	290	4	2.28
Mayotte	14 Mar 2020	18-Dec-20	5,708	-	53	-	0.93
Equatorial Guinea	15 Mar 2020	21-Dec-20	5,231	-	85	-	1.62
Republic of Congo	15 Mar 2020	14-Dec-20	6,200	-	100	-	1.61
Benin	16 Mar 2020	20-Dec-20	3,167	-	44	-	1.39
Liberia	16 Mar 2020	17-Dec-20	1,779	-	83	-	4.67
Tanzania	16 Mar 2020	15-May-20	509	-	21	-	4.13
Somalia	16 Mar 2020	22-Dec-20	4,690	28	127	3	2.71
Gambia	17 Mar 2020	16-Dec-20	3,786	-	123	-	3.25
Zambia	17 Mar 2020	22-Dec-20	18,881	113	379	4	2.01
Mauritius	18 Mar 2020	22-Dec-20	526	2	10	-	1.90
Djibouti	18 Mar 2020	22-Dec-20	5,786	3	61	-	1.05
Niger	19 Mar 2020	21-Dec-20	2,724	-	87	-	3.19
Chad	19 Mar 2020	22-Dec-20	1,916	14	102	-	5.32
Zimbabwe	20 Mar 2020	21-Dec-20	12,422	-	322	-	2.59
Cape Verde	20 Mar 2020	21-Dec-20	11,600	-	111	-	0.96
Madagascar	20 Mar 2020	21-Dec-20	17,633	-	260	-	1.47
Uganda	21 Mar 2020	21-Dec-20	31,384	-	238	-	0.76
Eritrea	21 Mar 2020	22-Dec-20	832	25	1	1	0.12
Angola	21 Mar 2020	22-Dec-20	16,802	116	393	3	2.34
Mozambique	22 Mar 2020	22-Dec-20	17,767	72	150	1	0.84
Libya	24 Mar 2020	22-Dec-20	95,706	506	1,385	16	1.45
Guinea-Bissau	25 Mar 2020	15-Dec-20	2,447	-	44	-	1.80
Mali	25 Mar 2020	22-Dec-20	6,291	59	225	-	3.58

				76,888,783	501,392	1,685,785	10,910	
ANTARTICA		21 Dec 2020	21-Dec-20	36 **				-
	Lesotho	13May 2020	18-Dec-20	2,546	-	48	-	1.89
	Comoros	30 Apr 2020	22-Dec-20	693	27	7	-	1.01
	Sao Tome and Principe	06 Apr 2020	19-Dec-20	1,012	-	17	-	1.68
	South Sudan	05 Apr 2020	22-Dec-20	3,234	6	62	-	1.92
	Malawi	02 Apr 2020	22-Dec-20	6,248	46	187	-	2.99
	Burundi	31 Mar 2020	21-Dec-20	762	-	2	-	0.26
	Sierra Leone	31 Mar 2020	22-Dec-20	2,518	9	75	-	2.98
	Botswana	30 Mar 2020	22-Dec-20	13,622	608	38	-	0.28

\*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

\*\* Approximately 36 new infections were confirmed at a Chilean military base (General Bernardo O'Higgins Research Base), which included 26 army members and 10 maintenance workers.



## **COVID-19 Epi curve among ASEAN Countries**



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

