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

ASEAN Biodiaspora Virtual Center (ABVC)

as of March 27, 2020 (2:00 PM GMT+8)

COVID-19: Highlights and Situation Overview

- The chief of the **World Health Organization** said on Wednesday (March 26) that the world has squandered the first window of opportunity to defeat COVID-19 in the past two months and should not squander the second one now. Tedros reiterated that asking people to stay at home and shutting down population movement is buying time and reducing the pressure on health systems, but the measures on their own will not extinguish epidemics. He listed key measures that countries should take during the second window of opportunity, such as expanding, training and deploying healthcare and public health workforce; implementing a system to find every suspected case at community level; ramping up the production, capacity and availability of testing; identifying, adapting and equipping facilities to treat and isolate patients; developing a clear plan and process to quarantine contacts; and refocusing the whole of government on suppressing and controlling Covid-19

- With the new cases recorded on March 26 (19,576 additional cases bringing the total number to 81,384), the **United States surpassed China as the country with more cumulative cases of COVID-19**. The states with the highest number of confirmed cases include New York (37,738), New Jersey (6,876), California (3,718), Michigan (2,856) and Washington (2,588). New York and New Jersey saw the most rapid rates of change over the past 24 hours, with a 22.48% and 87.1% increase in cases, respectively.

- In **Singapore**, the city-state made it an offense for a person to intentionally stand close to another person as part of its coronavirus defense. Starting March 27, anyone caught breaking Singapore's social distancing rules can land themselves in prison. Under updates to its powerful infectious diseases law, anyone who intentionally sits less than 1 meter away from another person in a public place or on a fixed seat demarcated as not to be occupied, or who stands in a queue less than a meter away from another, will be guilty of an offense. Offenders can be fined up to S$10,000, jailed for up to six months, or both. The rules, in place until April 30, can be applied to individuals and businesses. Authorities have said more drastic measures may be needed if locals do not take social distancing seriously.

- **Vietnam** has banned the gathering of more than 20 people for at least two weeks from March 28 and temporarily shut down services like massage parlors, tourist sites, and cinemas nationwide. In addition, major cities like Ho Chi Minh City, Hanoi, Can Tho and Da Nang would need to temporarily shut down all service facilities except for food, pharmacy, and medical treatment services.

- **Malaysia's Health Ministry** stated that five generations of positive COVID-19 cases that were linked to the tabligh gathering in the Seri Petaling Mosque last month. The tabligh cluster makes up 55% of all the COVID-19 cases in the country, or 1,117 of 2,031 cases. In addition, more than half of the 23 deaths linked to COVID-19 were also linked to this cluster.

- Singapore has sent medical supplies to Brunei that will allow doctors there to detect and help contain the coronavirus outbreak. The Ministry of Foreign Affairs (MFA) said on Wednesday (March 25) that the Government has contributed diagnostic kits that can perform 3,000 tests and a polymerase chain reaction machine to test for Covid-19, the disease caused by the coronavirus. Singapore previously sent medical supplies to the Philippines on Tuesday (March 24), to Myanmar on March 4, and to China on Feb 19 and Feb 8.

- Vietnamese officials on Wednesday thanked the Philippine government for helping arrange the flight back home of 172 mostly young Vietnamese students from Cebu province amid COVID-19 pandemic. The Vietnamese Embassy in Manila acquired permission and coordinated with representatives of the Philippines' Department of Foreign Affairs and the Department of Tourism to charter a Vietnam Airlines plane that flew the students from Cebu to the southern Vietnamese city of Can Tho.

- **Travel Advisories (new updates)**
  - Singapore: Starting March 27, returnees will be required to submit a health declaration via the SG Arrival Card (SGAC) e-Service, before proceeding with immigration clearance. The SGAC e-service can also be downloaded for free on Apple AppStore and Google Play. All travellers can submit their health declaration up to three days prior to their arrival in Singapore. Those who make false declarations will be liable for prosecution under the Infectious Diseases Act. The paper-based disembarkation/embarkation card will be discontinued starting today (March 27). When entry for short-term visitors resumes in the future, such travellers will have to provide their arrival and departure information via the SGAC e-Service instead.
  - Thailand: The latest announcement bans all foreigners from entry at all entry points. The only exceptions will be shippers, diplomats, drivers, pilots and others permitted by the Prime Minister. People under the age of five years, over 70, and those with underlying illness/es are encouraged to stay home. Public gatherings are also banned.
  - China has banned foreigners with valid visas and residence permits from entering the country in a drastic move that amounts almost to a total shutdown of its borders as it also severely restricts international flights starting March 28 (Saturday). In a late-night announcement on Thursday night (March 26), the foreign ministry said only diplomats, those engaged in emergency humanitarian work, or "necessary economic, trade, scientific or technological activities" and those with C visas are exempted from the suspension. C visas are given to foreigners who provide international transportation services.

Cases and Deaths as of 27 March 2020

- As of March 27 (2PM, GMT+8), worldwide, there were **514,825** confirmed cases, including **23,376** deaths.
- In **China**, there were **82,021** confirmed cases with **3,293*** deaths, including deaths in Hong Kong (4) and Taiwan (2). Confirmed cases in China include confirmed cases in Hong Kong (453), Macau (31), and Taiwan (252).
- **432,899 confirmed cases** of COVID-19 have been reported in **195 countries** (other than China, Hong Kong, Taiwan and Macau):

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST CONFIRMED CASE(S)	CONFIRMED CASES/(Deaths)
ASIA PACIFIC	**Thailand**	13 Jan 2020	26 Mar 2020	1,045 (4)
	Vietnam	23 Jan 2020	26 Mar 2020	153
	Singapore	23 Jan 2020	26 Mar 2020	683 (2)
	Malaysia	25 Jan 2020	26 Mar 2020	2,031 (24)
	Cambodia	27 Jan 2020	26 Mar 2020	98
	Philippines	30 Jan 2020	26 Mar 2020	707 (45)
	Indonesia	02 Mar 2020	26 Mar 2020	893 (78)
	Brunei	10 Mar 2020	26 Mar 2020	114
	Myanmar	23 Mar 2020	25 Mar 2020	5
	Lao PDR	24 Mar 2020	26 Mar 2020	6
	Japan	16 Jan 2020	24 Mar 2020 2,013 (53)	1,317 (53) 696 from quarantined ship
	South Korea	20 Jan 2020	26 Mar 2020	9,241 (131)
	Nepal	24 Jan 2020	25 Mar 2020	3
	Australia	25 Jan 2020	24 Mar 2020	2,799 (13)
	Sri Lanka	27 Jan 2020	26 Mar 2020	104
	India	30 Jan 2020	26 Mar 2020	716 (14)
	Afghanistan	24 Feb 2020	26 Mar 2020	82 (2)
	Pakistan	26 Feb 2020	26 Mar 2020	1,123 (8)
	New Zealand	28 Feb 2020	26 Mar 2020	283
	Bhutan	05 Mar 2020	20 Mar 2020	2
	Maldives	07 Mar 2020	15 Mar 2020	13
	Bangladesh	08 Mar 2020	26 Mar 2020	44 (5)
	Mongolia	10 Mar 2020	26 Mar 2020	11
	Turkey	10 Mar 2020	24 Mar 2020	2,433 (59)
	French Polynesia	12 Mar 2020	25 Mar 2020	25
	Guam	15 Mar 2020	26 Mar 2020	32 (1)
	New Caledonia	17 Mar 2020	25 Mar 2020	14
	Fiji	18 Mar 2020	25 Mar 2020	5
	Papua New Guinea	21 Mar 2020	21 Mar 2020	1
	Timor Leste	21 Mar 2020	21 Mar 2020	1
AMERICAS	**USA**	21 Jan 2020	26 Mar 2020	81,373 (1,173)
	Canada	25 Jan 2020	26 Mar 2020	3,897 (37)
	Brazil	26 Feb 2020	26 Mar 2020	2,567 (61)
	Mexico	28 Feb 2020	26 Mar 2020	475 (6)
	Saint Martin	01 Mar 2020	26 Mar 2020	11
	Ecuador	01 Mar 2020	26 Mar 2020	1,211 (29)

Dominican Republic	01 Mar 2020	26 Mar 2020	392 (10)
Chile	03 Mar 2020	26 Mar 2020	1,306 (4)
Argentina	03 Mar 2020	26 Mar 2020	502 (8)
Peru	05 Mar 2020	26 Mar 2020	480 (9)
Costa Rica	06 Mar 2020	26 Mar 2020	201 (2)
Colombia	06 Mar 2020	24 Mar 2020	470 (4)
French Guiana	06 Mar 2020	26 Mar 2020	28 (1)
Martinique	06 Mar 2020	26 Mar 2020	66
Paraguay	07 Mar 2020	26 Mar 2020	41 (3)
Panama	10 Mar 2020	26 Mar 2020	558 (8)
Bolivia	10 Mar 2020	26 Mar 2020	39
Honduras	11 Mar 2020	26 Mar 2020	52
Cuba	11 Mar 2020	26 Mar 2020	57 (1)
Guyana	11 Mar 2020	25 Mar 2020	5 (1)*
Jamaica	12 Mar 2020	26 Mar 2020	26 (1)
St Vincent and the Grenadines	12 Mar 2020	12 Mar 2020	1
Saint Lucia	13 Mar 2020	24 Mar 2020	3
Trinidad and Tobago	13 Mar 2020	26 Mar 2020	61
Venezuela	13 Mar 2020	26 Mar 2020	106
Guatemala	13 Mar 2020	22 Mar 2020	24 (1)
Uruguay	13 Mar 2020	26 Mar 2020	217
Curacao	13 Mar 2020	25 Mar 2020	6 (1)
Puerto Rico	13 Mar 2020	25 Mar 2020	51 (2)
Suriname	13 Mar 2020	25 Mar 2020	8
Antigua and Barbuda	13 Mar 2020	24 Mar 2020	3
Guadeloupe	13 Mar 2020	25 Mar 2020	73
Cayman Islands	13 Mar 2020	20 Mar 2020	3 (1)
Aruba	14 Mar 2020	26 Mar 2020	19
Bahamas	15 Mar 2020	25 Mar 2020	5
US Virgin Islands	16 Mar 2020	23 Mar 2020	17
Sint Maarten	17 Mar 2020	26 Mar 2020	3
Montserrat	17 Mar 2020	17 Mar 2020	1
Barbados	17 Mar 2020	25 Mar 2020	18
El Salvador	18 Mar 2020	26 Mar 2020	13
Nicaragua	18 Mar 2020	21 Mar 2020	2
Bermuda	18 Mar 2020	26 Mar 2020	7
Haiti	19 Mar 2020	26 Mar 2020	8
Dominica	22 Mar 2020	26 Mar 2020	11
Belize	23 Mar 2020	23 Mar 2020	1

	Turks and Caicos Islands	23 Mar 2020	23 Mar 2020	1
	Saint Kitts and Nevis	24 Mar 2020	24 Mar 2020	2
	British Virgin Islands	25 Mar 2020	25 Mar 2020	2
EUROPE	France	24 Jan 2020	26 Mar 2020	29,155 (1,696)
	Germany	27 Jan 2020	26 Mar 2020	40,421 (224)
	Finland	29 Jan 2020	26 Mar 2020	958 (5)
	Italy	30 Jan 2020	26 Mar 2020	80,539 (8,165)
	Russian Federation	31 Jan 2020	26 Mar 2020	840 (3)
	Spain	31 Jan 2020	26 Mar 2020	56,188 (4,089)
	Sweden	31 Jan 2020	26 Mar 2020	2,840 (71)
	United Kingdom of Great Britain	31 Jan 2020	26 Mar 2020	11,658 (578)
	Belgium	05 Feb 2020	26 Mar 2020	6,235 (220)
	Switzerland	25 Feb 2020	26 Mar 2020	11,712 (191)
	Austria	25 Feb 2020	26 Mar 2020	6,001 (42)
	Croatia	25 Feb 2020	26 Mar 2020	481 (2)
	Norway	26 Feb 2020	26 Mar 2020	3,246 (14)
	Romania	26 Feb 2020	26 Mar 2020	1,029 (18)
	Estonia	26 Feb 2020	26 Mar 2020	538
	Georgia	26 Feb 2020	26 Mar 2020	79
	North Macedonia	26 Feb 2020	26 Mar 2020	201 (3)
	Greece	26 Feb 2020	26 Mar 2020	821 (23)
	Denmark	27 Feb 2020	26 Mar 2020	1,851 (41)
	San Marino	27 Feb 2020	26 Mar 2020	208 (21)
	Lithuania	27 Feb 2020	26 Mar 2020	290 (4)
	Netherlands	27 Feb 2020	25 Mar 2020	6,412 (356)
	Azerbaijan	27 Feb 2020	26 Mar 2020	122 (3)
	Belarus	28 Feb 2020	25 Mar 2020	86
	Iceland	28 Feb 2020	26 Mar 2020	802 (2)
	Ireland	28 Feb 2020	26 Mar 2020	1,564 (9)
	Monaco	29 Feb 2020	26 Mar 2020	31
	Czech Republic	01 Mar 2020	26 Mar 2020	1,775 (6)
	Luxembourg	01 Mar 2020	26 Mar 2020	1,333 (8)
	Armenia	01 Mar 2020	26 Mar 2020	290
	Latvia	02 Mar 2020	26 Mar 2020	244
	Portugal	02 Mar 2020	26 Mar 2020	3,544 (60)
	Andorra	02 Mar 2020	26 Mar 2020	188 (1)
	Liechtenstein	03 Mar 2020	24 Mar 2020	51
	Ukraine	03 Mar 2020	26 Mar 2020	162 (5)
	Slovenia	04 Mar 2020	26 Mar 2020	562 (6)

	Hungary	04 Mar 2020	26 Mar 2020	261 (10)
	Poland	04 Mar 2020	26 Mar 2020	1,120 (14)
	Faroe Islands	04 Mar 2020	26 Mar 2020	150
	Bosnia and Herzegovina	05 Mar 2020	26 Mar 2020	185 (3)
	Gibraltar	05 Mar 2020	26 Mar 2020	26
	Slovakia	06 Mar 2020	26 Mar 2020	226
	Serbia	06 Mar 2020	26 Mar 2020	457 (7)
	Vatican City	06 Mar 2020	25 Mar 2020	4
	Malta	07 Mar 2020	26 Mar 2020	134
	Moldova	07 Mar 2020	26 Mar 2020	149 (1)
	Bulgaria	08 Mar 2020	26 Mar 2020	243 (3)
	Albania	09 Mar 2020	26 Mar 2020	174 (6)
	Cyprus	09 Mar 2020	26 Mar 2020	132 (3)
	Channel Islands	09 Mar 2020	26 Mar 2020	46
	Kazakhstan	13 Mar 2020	26 Mar 2020	109
	Uzbekistan	15 Mar 2020	26 Mar 2020	65
	Greenland	16 Mar 2020	26 Mar 2020	6
	Montenegro	17 Mar 2020	26 Mar 2020	67 (1)
	Kyrgyztan	18 Mar 2020	25 Mar 2020	44
	Isle of Man	19 Mar 2020	26 Mar 2020	25
MIDDLE EAST	UAE	29 Jan 2020	25 Mar 2020	333 (2)
	Iran	19 Feb 2020	26 Mar 2020	29,406 (2,234)
	Israel	21 Feb 2020	26 Mar 2020	2,666 (8)
	Lebanon	21 Feb 2020	26 Mar 2020	368 (6)
	Kuwait	24 Feb 2020	26 Mar 2020	208
	Oman	24 Feb 2020	26 Mar 2020	109
	Bahrain	24 Feb 2020	26 Mar 2020	457 (4)
	Iraq	24 Feb 2020	26 Mar 2020	382 (36)
	Qatar	29 Feb 2020	26 Mar 2020	537
	Saudi Arabia	02 Mar 2020	26 Mar 2020	1,012 (3)
	Jordan	02 Mar 2020	26 Mar 2020	172
	Palestine	05 Mar 2020	25 Mar 2020	84 (1)
	Syria	22 Mar 2020	26 Mar 2020	5
AFRICA	Egypt	14 Feb 2020	26 Mar 2020	456 (21)
	Algeria	25 Feb 2020	26 Mar 2020	302 (21)
	Nigeria	28 Feb 2020	26 Mar 2020	51 (1)
	Tunisia	02 Mar 2020	26 Mar 2020	200 (6)
	Morocco	02 Mar 2020	26 Mar 2020	255 (6)
	Senegal	02 Mar 2020	26 Mar 2020	105
	South Africa	05 Mar 2020	26 Mar 2020	927
	Cameroon	06 Mar 2020	26 Mar 2020	75 (1)
	Togo	06 Mar 2020	25 Mar 2020	23
	Burkina Faso	09 Mar 2020	26 Mar 2020	146 (4)
	Democratic Republic of Congo	10 Mar 2020	25 Mar 2020	51 (2)

Ivory Coast	11 Mar 2020	26 Mar 2020	80
Reunion	11 Mar 2020	26 Mar 2020	75
Ghana	13 Mar 2020	26 Mar 2020	132 (4)
Guinea	13 Mar 2020	24 Mar 2020	4
Gabon	13 Mar 2020	26 Mar 2020	7 (1)
Sudan	13 Mar 2020	24 Mar 2020	3 (1)
Kenya	13 Mar 2020	25 Mar 2020	31
Ethiopia	13 Mar 2020	24 Mar 2020	12
Central African Republic	14 Mar 2020	20 Mar 2020	3
Seychelles	14 Mar 2020	20 Mar 2020	7
Rwanda	14 Mar 2020	26 Mar 2020	41
Namibia	14 Mar 2020	26 Mar 2020	7
Swaziland	14 Mar 2020	23 Mar 2020	4
Mauritania	14 Mar 2020	26 Mar 2020	3
Mayotte	14 Mar 2020	24 Mar 2020	36
Equatorial Guinea	15 Mar 2020	23 Mar 2020	9
Republic of Congo	15 Mar 2020	24 Mar 2020	4
Benin	16 Mar 2020	24 Mar 2020	6
Liberia	16 Mar 2020	20 Mar 2020	3
Tanzania	16 Mar 2020	26 Mar 2020	13
Somalia	16 Mar 2020	26 Mar 2020	2
Gambia	17 Mar 2020	25 Mar 2020	3 (1)
Zambia	17 Mar 2020	26 Mar 2020	16
Mauritius	18 Mar 2020	26 Mar 2020	52 (2)
Djibouti	18 Mar 2020	25 Mar 2020	11
Niger	19 Mar 2020	25 Mar 2020	7 (1)
Chad	19 Mar 2020	24 Mar 2020	3
Zimbabwe	20 Mar 2020	21 Mar 2020	3
Cape Verde	20 Mar 2020	25 Mar 2020	4 (1)
Madagascar	20 Mar 2020	25 Mar 2020	19
Uganda	21 Mar 2020	25 Mar 2020	14
Eritrea	21 Mar 2020	26 Mar 2020	4
Angola	21 Mar 2020	23 Mar 2020	3
Mozambique	22 Mar 2020	26 Mar 2020	5
Libya	24 Mar 2020	24 Mar 2020	1
Guinea-Bissau	25 Mar 2020	25 Mar 2020	2
Mali	25 Mar 2020	25 Mar 2020	2
		Total	**432,899 (20,083)**

figures corrected from last report

Risk of COVID-19 spread via Air Travel

BIODIASPORA AIR TRAVEL DATA FROM HIGHLY INFECTED COUNTRIES TO ASEAN MEMBER STATES (AMS)

Table 1. ASEAN Countries receiving direct passengers from **United States** in April 2020

Origin Country	Destination Country	Flights	Seats*
United States	Philippines	210	90,609
	Singapore	308	83,164
	Malaysia	18	6,660

actual number of passengers may vary due to in-country's travel ban or restrictions

Table 2. ASEAN Countries receiving direct passengers from **Germany** in April 2020

Origin Country	Destination Country	Flights	Seats*
Germany	Singapore	184	62,013
	Thailand	163	56,883
	Viet Nam	43	13,072

actual number of passengers may vary due to in-country's travel ban or restrictions

Table 3. ASEAN Countries receiving direct passengers from **Spain** in April 2020

Origin Country	Destination Country	Flights	Seats*
Spain	Singapore	22	5,456

actual number of passengers may vary due to in-country's travel ban or restrictions