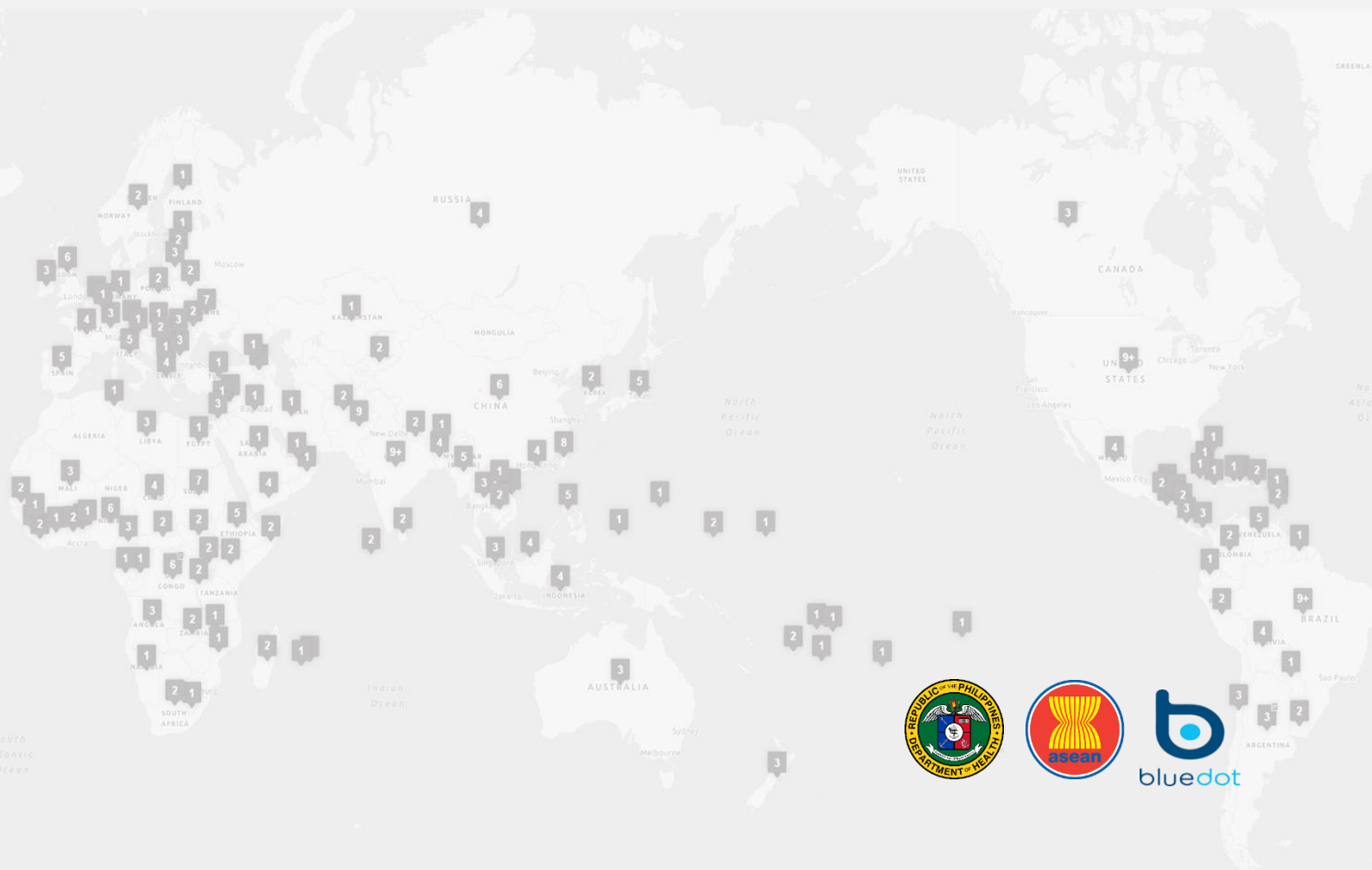


Risk Assessment for International Dissemination of 2019-nCoV across ASEAN

As of January 31, 2020



2019-nCoV Highlights and Situation Overview

- The World Health Organization (WHO) has declared a Public Health Emergency of International Concern (PHEIC) on January 30 related to the 2019-novel coronavirus outbreak centered in Wuhan, China.
- The WHO also recommends the name of the disease caused by 2019-nCoV should be “2019-nCoV acute respiratory disease”.

Cases and Deaths as of 27 January 2020

- As of January 31 (2PM, PH time), worldwide, there were **9,822** confirmed cases, including **212** deaths.
- The 2019-nCoV outbreak, originally centered in **Wuhan city**, is continuing to show evidence of **broader geographic** spread across **mainland China**.
- As of **January 27**, in China, there were **9720** confirmed cases with 212 deaths. Confirmed cases in China include confirmed cases in Hong Kong (12), Macao (SAR), and Taiwan (9)
- **102 imported cases** of 2019-nCoV have been reported in 20 countries.

REGION	COUNTRY	CASES
ASIA PACIFIC	Vietnam	5
	Singapore	13
	Malaysia	8
	Cambodia	1
	Philippines	1
	Thailand	14
	Japan	14
	South Korea	7
	Nepal	1
	Sri Lanka	1
	India	1
	Australia	9
	AMERICAS	USA
Canada		3
EUROPE	France	6
	Finland	1
	Germany	5
	Italy	2
EASTERN MEDITERRANIAN	UAE	4
TOTAL		102

- Locally acquired infections have been acquired in the US, Japan, South Korea, Vietnam, and Germany

Control Strategies

- Strict surveillance measures are being enforced at airports, seaports and border crossings to prevent the disease wide-spreading into countries which share border with China Mainland.
- Macau has currently increased their border control and has closed all schools and universities to contain the outbreak.
- Accordingly, Japan, South Korea and some ASEAN countries (notably Myanmar, the Philippines, Thailand, Singapore, and Vietnam) are monitoring passengers arriving at major international airports, while flights from and/or to Wuhan were ceased operating. More seriously, North Korea even bans international flights and foreign visitors, and Papua New Guinea (PNG) bans travelers from all Asian countries.
- Mongolia, North Korea, the Far East regions of Russia close their borders with China Mainland. At the same time, Vietnam shuts a border gate down while its other three are still in active but provided with strict measures. Hong Kong closes four out of its eleven border checkpoints with mainland China. Activity through gateways in Laos, Myanmar and Vietnam are put under extra supervision from the Government and medical staffs. PNG ordered a close on border with Indonesia on the island of New Guinea.
- Kazakhstan, Malaysia, Singapore, Sri Lanka, the Philippines and Vietnam suspend visa issuance either: on arrival with Chinese citizens, toward the entire infected area of China, toward Hubei-related visitors who previously had travel history or currently hold a passport issued by Hubei and its neighborhood's authorities.

Wuhan coronavirus: Timeline (continuation*)

- Singapore confirms two more cases, bringing the total infected in Singapore to 7
- Japan confirms 3 additional cases, bringing the total infected in Japan to 7, including a man who had never visited Wuhan and was working as a tour bus driver in tour group from Wuhan
- Germany confirmed 3 new cases, all of whom were coworkers of the first confirmed patient.
- France confirmed its 4th case, an elderly Chinese tourist who is in critical condition.

Additional cases in Thailand, Singapore, Japan, Germany and France

28 JANUARY 2020

- **Italy** confirmed its first two cases
- **Tibet** confirmed its first case
- **India** confirmed its first case of coronavirus in a student who had returned from Wuhan University to the Indian state of Kerala
- **Philippines** confirmed its first case of 2019-nCoV in a female Chinese national who arrived in Manila via Hong Kong
- Additional cases: Japan (3), Malaysia (1), Singapore (3), South Korea (2), Vietnam (3), France (1) and Germany (1)

- **First case in Italy**
- **First case in Tibet**
- **First case in Philippines**
- **First case in India**

30 JANUARY 2020

- **First four case in United Arab Emirates (UAE)**
- **First case in Finland**
- **Additional cases in Singapore, Malaysia, Japan, France**

29 JANUARY 2020

- The UAE confirmed its first four case from a Chinese family
- Finland reports its first case of 2019-nCoV found in a Chinese tourist who left Wuhan before Wuhan was locked down
- Additional cases: Singapore (3), Malaysia (3), Japan (4), and France (1)

- **WHO declared a PHEIC related to the 2019-novel coronavirus outbreak centered in Wuhan,**
 - **Confirmed cases: 9822 confirmed cases**

31 JANUARY 2020

- WHO declared the outbreak of coronavirus a public health emergencies of international concern (PHEIC)
- Confirmed cases: **9822** (9720 from China) with **212** reported deaths

*refer to previous report for December 30, 2019 to January 27, 2020 timeline

Map of 2019-nCoV Affected Countries

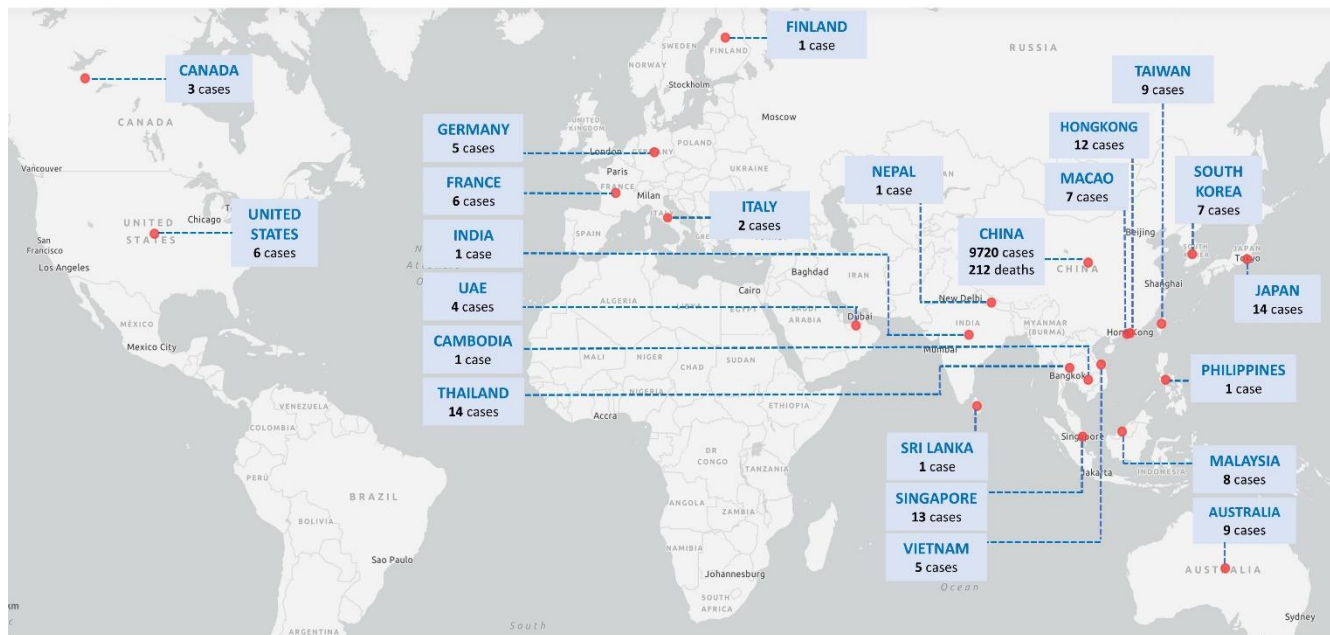


Figure 1. Map of countries with 2019-nCoV confirmed cases as of January 31, 2020 (2 PM, PH Time)

Risk of 2019-nCoV spread via Air Travel

ESTIMATED AIR TRAVEL FROM CHINA TO INTERNATIONAL COUNTRIES

Table 1. Top ranking international countries with estimated number of travelers from China in month of **February 2020**.

**China as destination has been excluded in this analysis*

Rank	Origin City	Destination Country*	Flights	Seats**
1	China	Thailand	5,688	1,077,702
2	China	Japan	5,507	1,031,786
3	China	Korea (South)	4,323	816,039
4	China	Hong Kong (SAR)	3,405	717,558
5	China	Taiwan	2,490	516,296
6	China	United States	1,601	473,300
7	China	Singapore	1,649	372,462
8	China	Malaysia	1,476	300,585
9	China	Cambodia	1,530	260,696
10	China	Australia	812	220,150
11	China	Viet Nam	1209	210,885
12	China	Macao (SAR)	1237	202,200
13	China	Indonesia	866	186,605
14	China	Russia	766	180,290
15	China	United Arab Emirates	390	143,845
16	China	Canada	439	130,844
17	China	Philippines	671	125,996
18	China	Germany	373	118,919
19	China	France	310	96,329
20	China	United Kingdom	347	96,174

**Data is still incomplete and may vary from the actual passengers travelling to country of destination*

Table 2. Top ranking international countries with estimated number of travelers from China in month of **March 2020**.

Rank	Origin City	Destination Country*	Flights	Seats**
1	China	Thailand	6,052	1,142,257
2	China	Japan	5,880	1,099,586
3	China	Korea (South)	4,625	875,476
4	China	Hong Kong (SAR)	3,653	771,278
5	China	Taiwan	2,673	553,854
6	China	United States	1,694	501,465
7	China	Singapore	1,759	397,559
8	China	Malaysia	1,576	321,570
9	China	Cambodia	1,611	274,553
10	China	Viet Nam	1,295	226,090
11	China	Macao (SAR)	1,332	217,678
12	China	Indonesia	914	196,967
13	China	Russia	814	193,012
14	China	Australia	714	186,604
15	China	United Arab Emirates	413	152,326
16	China	Canada	482	144,035
17	China	Philippines	714	134,235
18	China	Germany	407	130,690
19	China	United Kingdom	394	109,176
20	China	France	341	106,125

*China as destination has been excluded in this analysis

*Data is still incomplete and may vary from the actual passengers travelling to country of destination

ESTIMATED AIR TRAVEL FROM CHINA TO ASEAN COUNTRIES

Table 3. Estimated travel data from Innovata (using Biodiaspora tools) based on the booked flights from China to ASEAN countries in month **February 2020**.

Rank	Origin Country	Destination Country	Flights	Seats*
1	China	Thailand	5,684	1,077,174
2	China	Singapore	1,649	372,462
3	China	Malaysia	1,476	300,585
4	China	Cambodia	1,530	260,696
5	China	Vietnam	1,209	210,885
6	China	Indonesia	866	186,605
7	China	Philippines	671	125,996
8	China	Myanmar	504	82,028
9	China	Lao PDR	232	37,189
10	China	Brunei	49	7,626

**Data is still incomplete and may vary from the actual passengers travelling to country of destination*

Note: Chinese health officials suspended outbound travel from Wuhan via air and rail since January 23, 2020 and this may affect travel data.

Table 4. Estimated travel data from Innovata (using Biodiaspora tools) based on the booked flights from China to ASEAN countries in month **March 2020**.

Rank	Origin Country	Destination Country	Flights	Seats*
1	China	Thailand	6,040	1,142,257
2	China	Singapore	1,759	397,559
3	China	Malaysia	1,576	321,570
4	China	Cambodia	1,611	274,553
5	China	Vietnam	1,295	226,090
6	China	Indonesia	914	196,967
7	China	Philippines	714	134,235
8	China	Myanmar	542	88,379
9	China	Lao PDR	245	39,205
10	China	Brunei	54	8,406

**Data is still incomplete and may vary from the actual passengers travelling to country of destination*

Note: Chinese health officials suspended outbound travel from Wuhan via air and rail since January 23, 2020 and this may affect travel data.



Report generated by
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