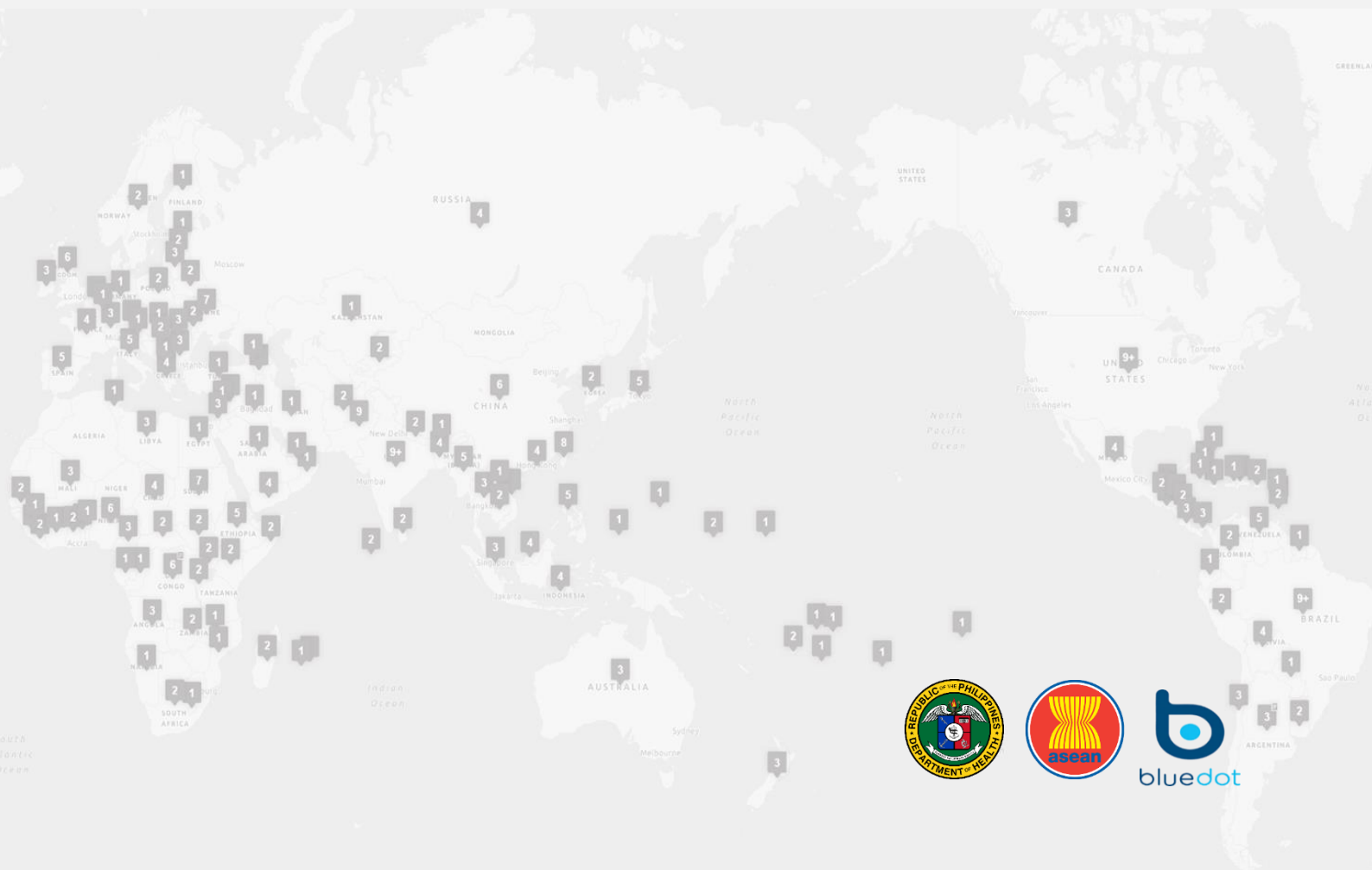


Risk Assessment for International Dissemination of COVID-19 to the ASEAN Region

As of February 28, 2020 (2:00 PM GMT+8)



COVID-19: Background

WHO announced "**COVID-19**" as the name of this new disease on 11 February 2020, following guidelines previously developed with the World Organisation for Animal Health (OIE) and the Food and Agriculture Organization of the United Nations (FAO). On the same day, the International Committee on Taxonomy of Viruses (ICTV) announced "**severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)**" as the name of the new virus. This name was chosen because the virus is genetically related to the coronavirus responsible for the SARS outbreak of 2003. While related, the two viruses are different.

The new COVID-19 is caused by the virus SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2). The most likely ecological reservoirs for SARS-CoV-2 are bats, but it is believed that the virus jumped the species barrier to humans from another intermediate animal host.

How are diseases and viruses named?

According to WHO:

- Viruses are named based on their genetic structure to facilitate the development of diagnostic tests, vaccines and medicines. Virologists and the wider scientific community do this work, so viruses are named by the ICTV; while
- Diseases are named to enable discussion on disease prevention, spread, transmissibility, severity and treatment. Human disease preparedness and response is WHO's role, so diseases are officially named by WHO in the International Classification of Diseases (ICD).

COVID-19: Highlights and Situation Overview

- According to WHO, since the onset of symptoms of the first identified case of COVID-19 on 8 December 2019, there have been **more new cases reported from countries outside of China** than from China.
- WHO, on January 27, urged countries **not to assume that they will be spared the coronavirus**, pointing out that it would be a "fatal mistake" to do so. It also warned that the virus "has pandemic potential".
- **New country with COVID-19 case/s**
 - **DENMARK (1 case)**
 - On February 27, health authorities have confirmed the first case of COVID-19 in Denmark. Although there are limited details available, a media report indicates that the affected individual is a man who returned with his family from Chiesa, in Valmalenco, in the province of Sondrio, Lombardi region in Italy on February 24. He developed

symptoms on February 25. His wife and son have tested negative. The case is reported to be in stable condition under self-isolation at home with his family in Region Sjaelland (Zealand).

○ **GREECE (3 cases)**

- In February 26, health authorities confirmed the first case of COVID-19 in Greece, in the city of Thessaloniki on the mainland. Media reports indicate that the affected individual is a 38-year-old woman who recently travelled to northern Italy, where there is currently an outbreak of COVID-19. Contact tracing is underway, and known close contacts are entering voluntary quarantine and will be tested.
- 2 new cases of COVID-19 were reported in Greece as of February 27, bring the total number of cases to 3. Of the cases, 2 are in travellers from Italy (1 new) and 1 is a locally-acquired case from a previously confirmed case (1 new)

○ **PAKISTAN (2 cases)**

- As of February 26, health authorities confirmed the first two cases of COVID-19 in Pakistan. It was reported that one affected individual is a 22-year-old man in Karachi who recently travelled to Tehran, Iran. He is under isolation at a local hospital while close contacts are being traced. The second case is in Islamabad and case details are limited. Pakistan closed its border with Iran beginning February 23, where there is currently an outbreak of COVID-19, and screening measures are in place at the border with Afghanistan.

○ **NORWAY (1 case)**

- Norway's Public Health Agency (FHI) confirmed the first case of COVID-19 in the country as of February 26. Although there are limited details available, a media report indicates that the affected individual is a resident of the city of Tromsø (Tromso), a port city in northern Norway, who had recently returned from China. This report also indicates that the individual is self-isolated at home.

○ **ROMANIA (1 case)**

- Health authorities have confirmed the first case of COVID-19 in Romania as of February 26. The affected individual is a 71-year-old man from Gorj county, in Oltenia, southwestern Romania, who had contact with an Italian who recently visited Romania and was later diagnosed with COVID-19 in Rimini, in Emilia-Romagna, Italy. The media report also indicates that the Romanian individual has been isolated in

the infectious diseases department at a local hospital in Bucharest and that contact tracing is underway.

- **ESTONIA (1 case)**
 - Health authorities have confirmed the first case of COVID-19 in Estonia on late February 26. The affected individual is a 34-year-old man who returned by bus from Iran to Estonia through Turkey and Riga, Latvia's capital. The individual is now under isolation at a local hospital in Tallinn. The report indicates that contact tracing among passengers who were aboard the bus is underway.
- **GEORGIA (1 case)**
 - Health authorities have confirmed the first case of COVID-19 in Georgia as of February 26. Although there are limited details available, a media report indicates that the affected individual is a 50-year-old Georgian citizen who arrived through neighboring Azerbaijan from Iran on February 25. The individual is stable and under isolation.
- **NORTH MACEDONIA**
 - Health authorities confirmed the first case of COVID-19 in Skopje, North Macedonia on February 26. The affected individual is a woman in her 50s who arrived to Skopje, the country's capital, after driving from Italy. The woman developed symptoms 2 weeks ago while in Italy. She is under isolation at a local hospital while close contacts are being traced.
- **BRAZIL**
 - Health authorities confirmed the first case of COVID-19 in Sao Paulo municipality in Brazil as of February 26. Media reports indicate that the affected individual is a 61-year-old man who recently travelled to the Lombardy region in Italy from February 9 to 21, where there is currently an outbreak of COVID-19. He is under isolation at a local hospital while close contacts are being traced. This is the first case of COVID-19 in South America
- **Increasing Cluster Cases in South Korea**
 - As of February 27, 505 new cases of COVID-19 were reported in South Korea, bringing the total number to 1,766 in the country.
 - According to Korean Centres for Disease Control (KCDC), the majority of the cases are concentrated in the following locations: the southern city of Daegu and surrounding region in Gyeongbuk

province (1132 cases), North Gyeongsang province (345 cases), the port city of Busan (58 cases) and Seoul (49 cases).

- In addition, 46% of the total cases are related to a cluster linked to the Shincheonji church in Daegu, while a further 7% percent is tied to a cluster in a hospital in neighboring Cheongdo county.

- **Increasing Cluster Cases in Italy**

- As of February 27, 154 additional cases of COVID-19 were reported in Italy, bringing the total number to 528 in the country. There have also been 14 attributed deaths
- Most cases are distributed in northern border regions of Lombardy (305 cases), Veneto (71 cases) and Piemonte (Piedmont) (3 cases). There are also 47 cases in the Emilia-Romagna region directly to the south, 3 cases in Sicily related to travel to northern Italy, and 3 in Rome related to travel from China.

- **Increasing cases in Iran**

- As of February 27, one-hundred and six new cases of COVID-19 were reported in Iran, bringing the total number to 245. Seven new deaths attributed to COVID-19 have also been reported by the country's Ministry of Health, bringing the number of deaths to 26. The majority of cases are continuing to be reported in Qom, but cases are also being reported in a number of cities.
- Public Relations Center of the Ministry of Health has recommended avoiding or delaying unnecessary trips to the city of Qom, as the majority of initial cases in the country either live in Qom or have recently travelled there.
- There have also been cases identified in Afghanistan, Bahrain, Canada, Iraq, Kuwait, Oman, and United Arab Emirates (UAE) with a recent travel history to Iran. These travel-associated cases indicate there is likely more widespread transmission in Iran than official case counts suggest.

- The Philippines has imposed travel restrictions on parts of South Korea and barred Filipino tourists from going to the East Asian nation due to rising cases of COVID-19. Exempted from the travel ban are permanent residents, those leaving for study, and overseas Filipino workers provided they sign a declaration signifying their knowledge and understanding of the risks involved prior to their travel.

- Thailand advised travellers to postpone trips to China, Hong Kong, Singapore, Italy, Macau, Taiwan, Iran and some areas in South Korea and Japan. Healthcare workers are not allowed to travel to places affected by COVID-19 unless absolutely necessary, with these workers asked to self-quarantine and adopt enhanced hygiene measures for 14 days.

Cases and Deaths as of 28 February 2020

- As of February 28 (2PM, GMT+8), worldwide, there were **82,713** confirmed cases, including **2,814** deaths.
- In **China**, there were **78,766** confirmed cases with **2,750** deaths (including deaths in Hong Kong and Taiwan). Confirmed cases in China include confirmed cases in Hong Kong (79), Macau (10), and Taiwan (31)
- **Deaths outside mainland China** were reported in the Philippines (1), Hong Kong (2), Taiwan (1), Japan (8), France (2), Iran (26), South Korea (13), and Italy (14).
- **3,947 confirmed cases** of COVID-19 have been reported in **77 countries** (other than China, Hong Kong, Taiwan and Macau):

REGION	COUNTRY	FIRST CONFIRMED CASE(S)	LATEST CONFIRMED CASE(S)	CONFIRMED CASES / (LOCALLY ACQUIRED)
ASIA PACIFIC	Thailand	13 Jan 2020	25 Feb 2020	40 (11)
	Vietnam	23 Jan 2020	13 Feb 2020	16 (7)
	Singapore	23 Jan 2020	26 Feb 2020	93 (61)
	Malaysia	25 Jan 2020	16 Feb 2020	22 (4)
	Cambodia	27 Jan 2020	27 Jan 2020	1
	Philippines	30 Jan 2020	5 Feb 2020	3
	Japan	16 Jan 2020	25 Feb 2020	207 (45) 705 from quarantined cruise ship
	South Korea	20 Jan 2020	23 Feb 2020	1,766 (1,584)
	Nepal	24 Jan 2020	24 Jan 2020	1
	Australia	25 Jan 2020	22 Feb 2020	30 ¹
	Sri Lanka	27 Jan 2020	27 Jan 2020	1
	India	30 Jan 2020	3 Feb 2020	3
	Afghanistan	24 Feb 2020	24 Feb 2020	1 ²
	Pakistan	26 Feb 2020	26 Feb 2020	2 ²
AMERICAS	USA	21 Jan 2020	26 Feb 2020	60 ¹ (3 ⁴)
	Canada	25 Jan 2020	27 Feb 2020	13 (1)
EUROPE	France	24 Jan 2020	27 Feb 2020	18 ³ (8)
	Germany	27 Jan 2020	27 Feb 2020	27 ³ (19)
	Finland	29 Jan 2020	27 Feb 2020	2 ³
	Italy	30 Jan 2020	27 Feb 2020	528 (382)
	Russian Federation	31 Jan 2020	31 Jan 2020	2
	Spain	31 Jan 2020	27 Feb 2020	15 ³ (4)
	Sweden	31 Jan 2020	31 Jan 2020	2 ³

	United Kingdom of Great Britain and Northern Ireland	31 Jan 2020	27 Feb 2020	16 (3)
	Belgium	05 Feb 2020	05 Feb 2020	1
	Switzerland	25 Feb 2020	27 Feb 2020	4 ³
	Austria	25 Feb 2020	27 Feb 2020	3 ³
	Croatia	25 Feb 2020	26 Feb 2020	2 ³
	Brazil	26 Feb 2020	26 Feb 2020	1
	Norway	26 Feb 2020	26 Feb 2020	1
	Romania	26 Feb 2020	26 Feb 2020	1 ³
	Estonia	26 Feb 2020	26 Feb 2020	1 ²
	Georgia	26 Feb 2020	26 Feb 2020	1
	North Macedonia	26 Feb 2020	26 Feb 2020	1 ³
	Greece	26 Feb 2020	26 Feb 2020	3 ³
	Denmark	27 Feb 2020	27 Feb 2020	1 ³
MIDDLE EAST	UAE	29 Jan 2020	25 Feb 2020	13 ² (3)
	Iran	19 Feb 2020	27 Feb 2020	245
	Israel	21 Feb 2020	23 Feb 2020	3 ¹
	Lebanon	21 Feb 2020	27 Feb 2020	3 ²
	Kuwait	24 Feb 2020	27 Feb 2020	43 ²
	Oman	24 Feb 2020	27 Feb 2020	5 ²
	Bahrain	24 Feb 2020	27 Feb 2020	33 ²
	Iraq	24 Feb 2020	25 Feb 2020	6 ²
AFRICA	Egypt	14 Feb 2020	14 Feb 2020	1
	Algeria	25 Feb 2020	25 Feb 2020	1 ³
				3,947

¹ Repatriated from quarantined cruise ship: Australia (8), USA (14), Israel(2)

² Travelled from Iran: Pakistan (1), Estonia (1), UAE (2), Lebanon (3), Kuwait (43), Oman (5), Bahrain (33), Iraq (6), Afghanistan (1)

³ Travelled from Italy: Brazil (1), France (3), Germany (2), Finland (1), Spain (8), Sweden (1), Greece (2), Switzerland (2), Austria (2), Croatia (2), Romania (1), North Macedonia (1), Denmark (1), Algeria (1)

⁴ 1st probable case of community acquired COVID-19 in the US

Map of COVID-19 Affected Countries: Global

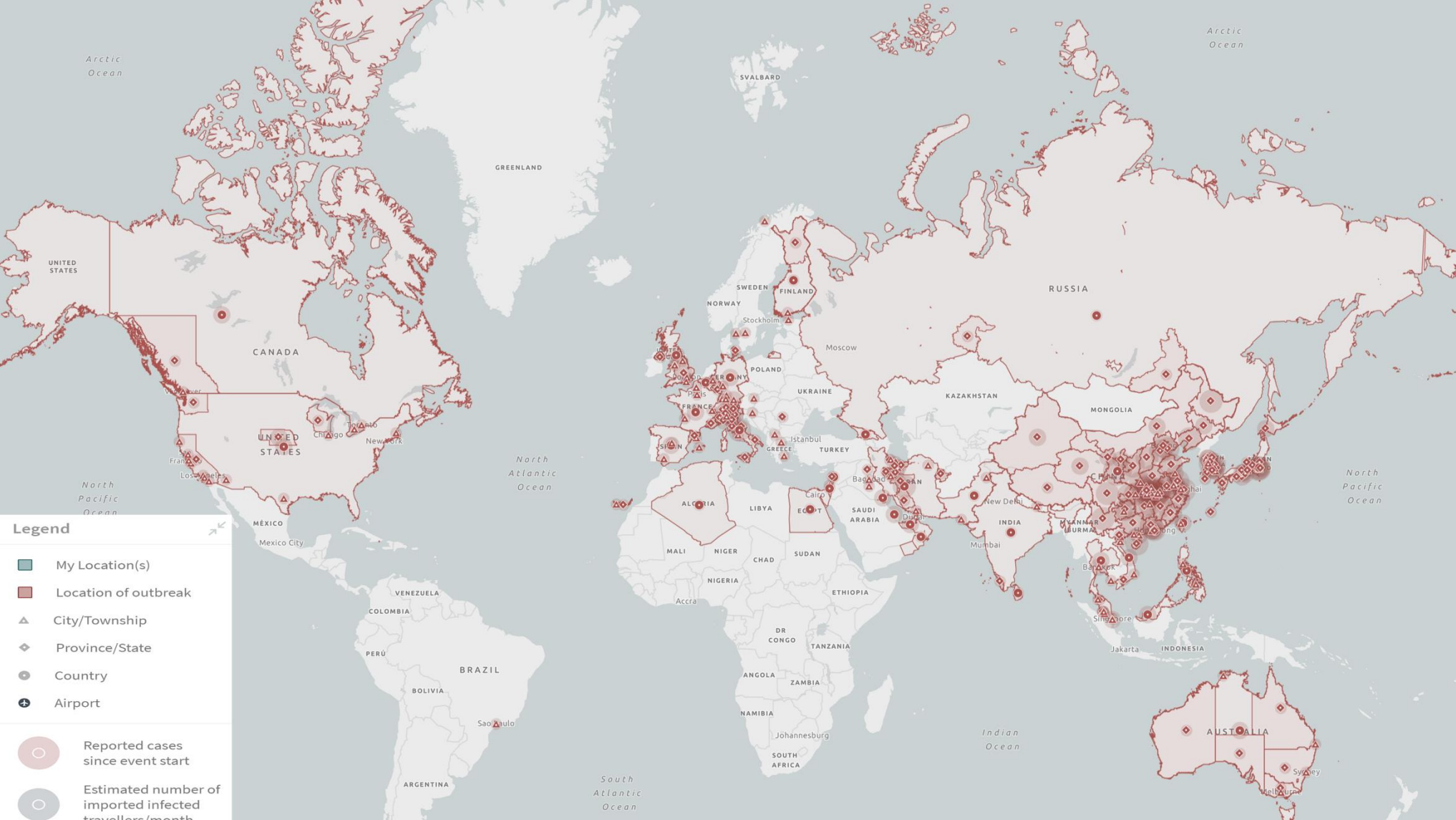


Figure 1. Global map of countries with COVID-19 confirmed cases as of February 28, 2020 (2 PM GMT+8)

Map of COVID-19 Affected Countries: ASEAN Region



Figure 2. ASEAN Region with COVID-19 confirmed cases as of February 28, 2020 (2 PM GMT+8)

COVID-19: Timeline (continuation*)

- First confirmed cases in Greece (1), Norway (1), Romania (1), Estonia (1), Georgia (1), Pakistan (2), North Macedonia (1), Brazil (1)
- Additional cases: Australia (1), Bahrain (18), Canada (2), Croatia (1), France (5), Germany (3), Hong Kong (10), Italy (91), Iran (44), Japan (14 from Diamond Princess, 11 in Japan), Kuwait (18), Singapore (3), Spain (7), South Korea (284), Sweden (1), Taiwan (1), Thailand (3), USA (7), Japan, Iraq (1)
- Deaths reported in France (1), Italy (1), Iran (4), Japan (2), South Korea (1)

- **First confirmed cases in Greece, Norway, Romania, Estonia, Georgia, Pakistan, North Macedonia, Brazil**
- **Additional cases in Australia, Bahrain, Canada, Croatia, Finland, France, Germany, Hong Kong, Italy, Iran, Japan, Kuwait, Lebanon, Singapore, Spain, South Korea, Sweden, Taiwan, Thailand, USA, Japan**
- **Deaths reported in France, Italy, Iran, Japan and South Korea**

26 FEBRUARY 2020

As of February 28 (2PM, GMT+8), worldwide, there were 82,713 confirmed cases, including 2,814 deaths.

- **Global COVID-19:**
 - **82,713 confirmed cases**
 - **2,814 deaths**

28 FEBRUARY 2020

- **First confirmed case in Denmark**
- **Additional cases in Hong Kong, Japan, South Korea, Kuwait, Italy, France, Austria, Oman, Canada, UK, Greece, Switzerland, Spain, Germany, Israel, Bahrain, Iran, Lebanon, Finland,**
- **Additional deaths reported Italy, France, Japan, Iran and South Korea**

27 FEBRUARY 2020

- First confirmed case in Denmark was reported
- Additional cases: Hong Kong (4), Japan (35), South Korea (505), Kuwait (26), Italy (154), France (1), Austria (1), Oman (3), Canada (1), UK (2), Greece (2), Switzerland (3), Spain (3), Germany (8), Israel (1), Bahrain (7), Iran (106), Lebanon (2), Finland (1)
- Additional deaths reported outside China: Italy (2), France (1), Japan (2), Iran (7) and South Korea (1)

**refer to previous reports for previous timeline*



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