



DEPARTMENT OF DEFENSE
Armed Forces Health Surveillance Branch
Integrated Biosurveillance Section
COVID-19 Surveillance Summary #6
27 FEB 2020



BLUF:

- (U) As of 26 FEB, confirmed COVID-19 cases have been reported in at least one country in each U.S. Geographic Combatant Command. From mid-DEC 2019 to 27 FEB 2020, 78,947 cases (2,747 deaths) have been reported in mainland China. Additionally, 4,051 confirmed cases (64 deaths) have been reported in 49 countries and regions outside of mainland China, including USINDOPACOM (15), USAFRICOM (1), USCENTCOM (10), USEUCOM (20), USNORTHCOM (2), and USSOUTHCOM (1).
- (U) As of 27 FEB, CDC has reported 61 confirmed COVID-19 cases in the U.S., including 15 cases detected via public health surveillance (AZ (1), CA (9), IL (2), MA (1), WA (1), and WI (1)), and 46 cases in repatriated American citizens from Wuhan City, China (3), and the Diamond Princess cruise ship (43). On 26 FEB, CDC reported the first U.S. COVID-19 case in an individual from Solano County, northern CA, who did not have relevant travel history or exposure to another COVID-19 case. CDC also reported that this case could be an instance of community spread of COVID-19, which would be the first time in the U.S. It is also possible, however, that the case may have been exposed to a returned traveler who was infected. No COVID-19-associated deaths have been reported in the U.S.

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(U) CASE REPORT: As of 27 FEB, 78,947 (+3,169) confirmed cases of COVID-19, including 2,747 (+627) deaths have been reported in mainland China since mid-DEC 2019. The majority (84%) of cases in mainland China have been reported from Hubei Province, where Wuhan City, the epicenter of the outbreak, is located. On 20 FEB, WHO noted a significant decline in newly confirmed cases due to another change in China's case reporting; after reporting both clinically-diagnosed and laboratory-confirmed cases for Hubei Province from 13-19 FEB, the country has reverted to reporting only lab-confirmed cases. On 24 FEB, the team from the [joint WHO-China mission](#) reported that the COVID-19 epidemic peaked and plateaued in China between 23 JAN and 2 FEB, and has been declining steadily since then. They also found that the case fatality proportion (CFP) is 2-4% in Wuhan City (Hubei Province) and in Iran, but is 0.7% elsewhere. A recent report by the [China CDC](#) found that of 44,672 confirmed cases in mainland China, the CFP was highest among cases >80 years old (14.8%), compared to 10-39 year olds (0.2%), 40-49 year olds (0.4%), and 5-10.5% among cases with pre-existing comorbidities. As of 25 FEB, 3,008 (+5) cases have been reported in healthcare workers (HCWs) globally: in mainland China (3,000), the Republic of Korea (5), the United Kingdom (UK) (2), and France (1) (see table). At least six deaths have been reported in HCWs in mainland China.

(U) As of 26 FEB, COVID-19 has been reported in at least one country in each U.S. Geographic Combatant Command. As of 27 FEB, at least 4,051 (+2,836) cases of COVID-19 have been reported in 49 (+20) countries and regions outside of mainland China, including 15 countries/regions in INDOPACOM, 20 (+11) in EUCOM, ten (+7) in CENTCOM, two in NORTHCOM, one in AFRICOM, and one in SOUTHCOM ([see table](#)). On 26 FEB, CDC reported the first U.S. COVID-19 case in an individual from Solano County, northern CA, who did not have relevant travel history or exposure to another COVID-19 case. CDC also reported that this case could be an instance of community spread of COVID-19, which would be the first time in the U.S. It is also possible, however, that the case may have been exposed to a returned traveler who was infected. The case is being treated in isolation at UC Davis Medical Center. As of 24 FEB, CDC is separating confirmed COVID-19 cases in U.S. citizens into two categories: cases detected through U.S. public health surveillance systems, and cases among those repatriated via U.S. State Department flights from Wuhan City, and from the Diamond Princess cruise ship. As of 27 FEB, CDC has reported 61 confirmed COVID-19 cases in the U.S., including 15 cases detected via public health surveillance (AZ (1), CA (9 (+1)), IL (2), MA (1), WA (1), and WI (1)), and 46 cases in repatriated American citizens from Wuhan City (3) and the Diamond Princess cruise ship (43). No COVID-19-associated deaths have been reported in the U.S.

(U) As of 27 FEB, 705 (+71) confirmed cases of COVID-19 have been identified among the crew and passengers of the Diamond Princess cruise ship, which is anchored at Yokohama Port, in Japanese territorial waters. As of 26 FEB, 109 U.S. citizens (passengers and crew) remain in Japan, of which 68 have been admitted to local infectious disease hospitals (62 confirmed COVID-19 cases, 6 with other health issues), 36 are in quarantine, and five are Diamond Princess crew members still onboard in ship. A [travel restriction](#) issued by DHS/CDC on 18 FEB stipulates that all remaining American citizens aboard the Diamond Princess will not be allowed to travel back to the U.S. via commercial aircraft until an additional 14 days have passed from the dates of their release from the Diamond Princess.

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Countries/Regions with COVID-19 as of 27 FEB 2020

	Confirmed	Cases Outside Mainland China	Locally Acquired Cases
Total	82,998	4,051	18 Countries/Regions

GCC	Country /Region	Confirmed	Acquired outside Mainland China*		Deaths
			Outside reporting country	In reporting country	
AFRICOM	Algeria	1			
CENTCOM	Iran	245 (+243)		28	26 (+24)
	Kuwait	43	12		
	Bahrain	33	26		
	UAE	13 (+4)	2	5 (+4)	
	Iraq	6	5		
	Oman	4	4		
	Pakistan	2			
	Lebanon	2	1		
	Afghanistan	1	1		
	Egypt	1		1	
EUCOM	Italy	528 (+525)		121	14
	Germany	26 (+10)	2	14	
	France	18 (+6)		7 (+1)	1
	UK	15 (+6)	10 (+4)	1	
	Spain	15 (+13)	2		
	Switzerland	4	1		
	Austria	3	2		
	Israel	3	2		
	Greece	3			
	Croatia	3	1		
	Russia	2			
	Sweden	2 (+1)			
	Finland	2 (+1)			
	Belgium	1			
	North Macedonia	1			
	Georgia	1			
	Denmark	1			
	Romania	1			
	Estonia	1			
	Norway	1			

GCC	Country /Region	Confirmed	Acquired outside Mainland China*		Deaths
			Outside reporting country	In reporting country	
NORTHCOM	U.S.	61 (+27) [†]	36 (+17)	3 (+1)	
	Canada	11 (+3)	1	1	
INDOPACOM	Mainland China	78,947 (+3,169)	N/A	N/A	2,747 (+627)
	ROK	1,776 (+1,662)	4	605 (+576)	13 (+12)
	Japan	189 (+95)	8	116 (+112)	2 (+1)
	Singapore	93 (+9)		67 (+16)	
	Hong Kong	92 (+25)		**	2 (+1)
	Thailand	40 (+5)		7 (+2)	
	Taiwan	32 (+8)		**	1
	Australia	23 (+8)	8	3	
	Malaysia	22	2 (+1)	2	
	Vietnam	16		8	
	Macao	10			
	India	3			
	Philippines	3			1
	Sri Lanka	1			
Cambodia	1				
Nepal	1				
SOUTHCOM	Brazil	1			
OTHER	International Conveyance (Japan)	705 (+71)	N/A	N/A	4 (+2)

Abbreviations: Republic of Korea (ROK), United Arab Emirates (UAE), United Kingdom (UK)

* Data unavailable for Hong Kong, Macao, and Taiwan

[†] Includes 15 cases reported by CDC in the U.S. and 46 cases in repatriated American citizens (42 from Diamond Princess cruise ship, 3 from Wuhan City, Hubei Province, China)

** Locally acquired cases have occurred, but specific count is unavailable

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(U) CASE REPORT (cont'd): While the majority of COVID-19 cases reported outside mainland China are travel-associated, local transmission has been documented in [three countries/regions in CENTCOM](#), two in NORTHCOM, [four](#) in EUCOM, and [nine \(+1\)](#) in INDOPACOM. [Of the 528 cases reported in Italy](#), [305 \(58%\) have occurred in Lombardy Region](#); [98 \(19%\) in Veneto Region](#); and [97 \(18%\) in Emilia Romagna Region](#). At least three of the 14 deaths in Italy and many of the newly recorded cases in the country do not appear to have a clear epidemiological link to China or previously confirmed cases. On 21 FEB, the Lombardy Government and Italian Ministry of Health ordered the closure of all public and commercial activities in ten small towns in Southern Lombardy centered around the town of Codogno, a 45-60 minute drive from Vicenza. On 24 FEB, [USAG Italy](#) announced that it would be closing all Vicenza Military Community (VMC) DoD Education Activity (DODEA) schools and activities from 24-28 FEB as a precautionary measure. USAG Italy has also directed DoD personnel to limit non-essential travel to the Comune di Vo' Euganeo and the Lombardy Region. As of 27 FEB, no COVID-19 cases have been reported in the city of Vicenza, or among MHS beneficiaries in the VMC or Darby and Ghedi military communities.

(U) The 32-fold increase in cases reported from the ROK since 18 FEB is largely due to two new clusters of human-to-human transmission in and near Daegu, the fourth-largest city in the country. As of 27 FEB, ROK has reported 1,776 confirmed COVID-19 cases (13 deaths) since 20 JAN, 97% of which have been reported in the past week. Over half of the new cases are linked to the Shincheonji Church of Jesus in Daegu. On 24 FEB, a senior health official leading the Infection Preventive Medicine Department in Daegu admitted to being a member of the church after developing symptoms, resulting in the quarantine of 50 other health officials. At least 12% of the new cases are linked to the psychiatric ward at Cheongdo Daenam Hospital, located in a town near Daegu. As of 25 FEB, at least five cases have been confirmed in HCWs.

(U) BACKGROUND: On 7 JAN, Chinese health officials reported the isolation of a coronavirus disease (subsequently labelled "COVID-19") from a sample collected from one of 27 hospitalized cases of viral pneumonia of unknown etiology from Wuhan, China. Chinese health authorities subsequently made the full genetic sequence available through publicly accessible databases/platforms including GenBank and GISAID, enabling multiple countries to develop PCR assays for the detection of COVID-19. As of 27 JAN, assays and sequencing protocols have been released by China, Hong Kong, Germany, Japan, Thailand, and the U.S. Preliminary analysis of COVID-19 found it to be 73% similar to Severe Acute Respiratory Syndrome coronavirus (SARS-CoV).

(U) TRANSMISSION: According to WHO's latest estimates, the incubation period for COVID-19 (time from infection to development of symptoms) ranges from 2-10 days. Chinese authorities have estimated an upper limit of 14 days. China CDC's latest [estimate](#) of the R_0 (basic reproduction number) ranges from 2.0-3.0. For comparison, the R_0 of SARS-CoV ranges from 2.0-5.0. R_0 represents the expected number of people an infected individual could spread a virus to in a susceptible population. On 14 FEB, [CDC](#) reported that droplet spread (exposure within six feet of someone with respiratory symptoms) and contaminated surfaces (touching a droplet-contaminated surface and then touching the eyes and mouth) are major routes of transmission. Due to a worldwide surge in demand for personal protective equipment (PPE), [CDC](#) does not recommend that the general public wear face masks, instead suggesting handwashing, covering coughs, and staying home if ill. PPE should be reserved for suspected or confirmed COVID-19 cases and HCWs who are caring for such patients.

(U) The source of COVID-19 is still unknown, but is most likely an animal reservoir. The [World Organization for Animal Health \(OIE\)](#) has issued recommended precautionary measures to take with live animals or animal products. OIE is also closely liaising with its network of experts involved in current investigations of the potential role of animals in the outbreak and the detection of SARS-CoV-2 in animals.

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(U) TRAVEL ADVISORIES: CDC is continuing to implement enhanced entry screening, and has expanded screening to include 20 international airports in the U.S. From 22-24 FEB, CDC issued “Warning – Level 3, Avoid Nonessential Travel” advisories for [COVID-19 in China](#) and the [Republic of Korea \(ROK\)](#). From 22-23 FEB, CDC issued “Alert – Level 2, Practice Enhanced Precautions” advisories for [Japan](#), [Iran](#), and [Italy](#) due to “sustained community transmission” of COVID-19. On 19 FEB, CDC issued a “Watch – [Level 1](#), Practice Usual Precautions” for COVID-19 in [Hong Kong](#). From 20-22 FEB, the U.S. Department of State (DoS) upgraded its travel advisory for [Hong Kong](#) to “Level 2: Exercise Increased Caution,” and issued Level 2 advisories for [Japan](#) and [ROK](#). The DoS issued a “Level 4, Do Not Travel” advisory for [China](#) on 2 FEB, a “Level 1, Exercise Normal Precautions” advisory for [Thailand](#) on 7 FEB, and a “Level 2” advisory for [Macao](#) on 11 FEB.

(U) TRAVEL ADVISORIES (cont’d): On 31 JAN, following WHO’s declaration of a PHEIC, the U.S. Secretary of DHHS [declared](#) COVID-19 a Public Health Emergency in the U.S. Starting 2 FEB, CDC has implemented the following travel restrictions: flights with travelers who have been to mainland China within the last 14 days will arrive at one of 11 designated ports for entry (international airports); any U.S. citizen who has been in Hubei Province within the previous 14 days will be subject to up to 14 days of mandatory quarantine; and any U.S. citizen returning to the U.S. who has been in the rest of mainland China within the previous 14 days will undergo proactive entry health screening and self-quarantine. Additionally, the President signed a [Presidential Proclamation](#) on 31 JAN suspending the entry into the U.S. of foreign nationals, other than the immediate family of U.S. citizens and permanent residents, who have traveled in China within the last 14 days.

(U) MEDICAL COUNTERMEASURES & DIAGNOSTICS: On 4 FEB, the U.S. FDA issued an [Emergency Use Authorization \(EUA\)](#) for patients who meet the CDC criteria for COVID-19 testing, enabling emergency use of the test kit in the U.S.; 14 authorized/approved CONUS and OCONUS DoD clinical laboratories are on the initial list. On 5 FEB, CDC began shipping diagnostic test kits to 115 qualified state/local public health and DoD laboratories.

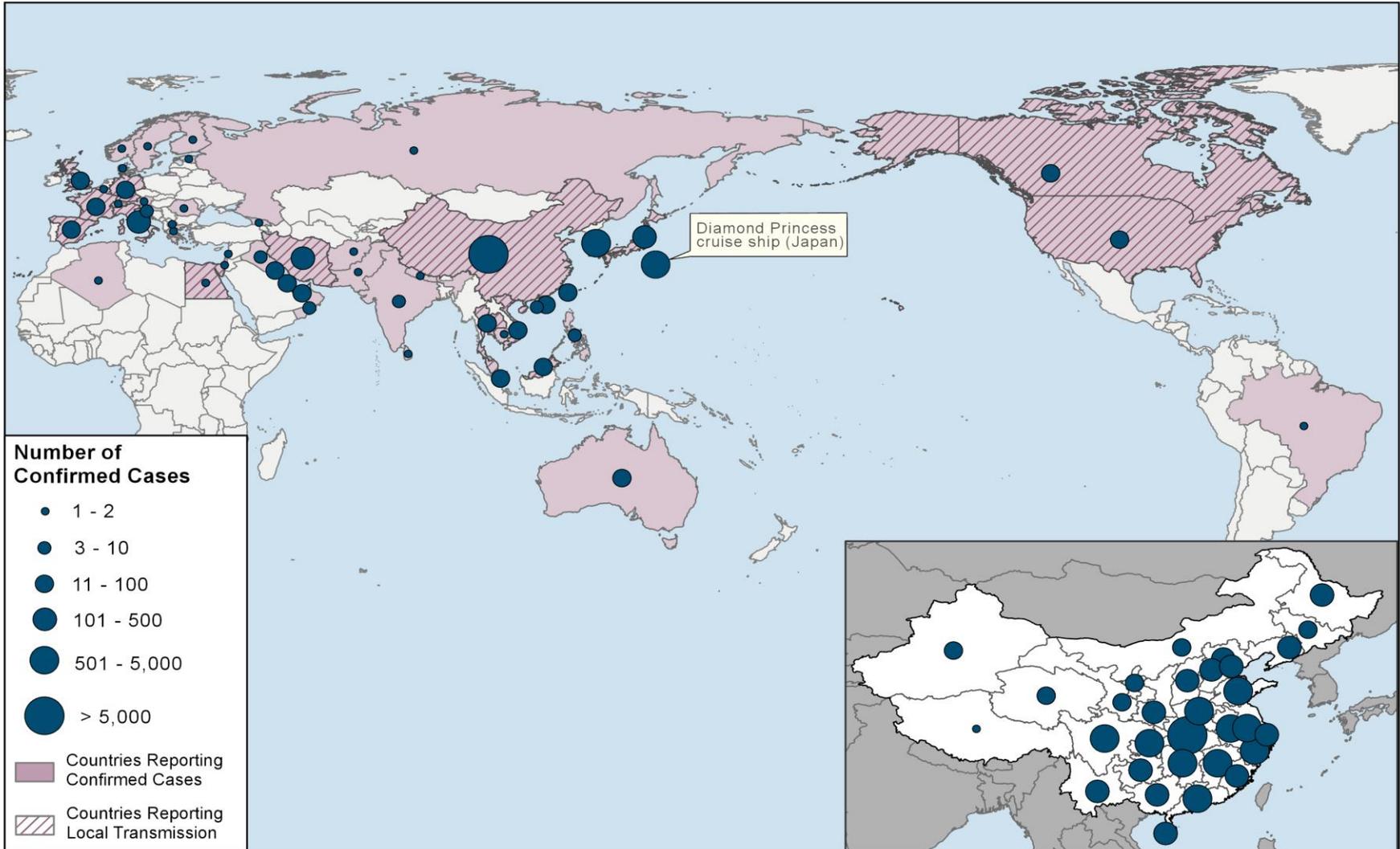
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2019 Coronavirus Disease (COVID-19) Outbreak

Data as of 27 FEB 2020



Sources: WHO, CDC, NHC, JHU