

China warns virus could mutate and spread, steps up precautions

January 22 2020



Credit: CC0 Public Domain

A new virus that has killed nine people, infected hundreds and reached the United States could mutate and spread, China warned Wednesday, as authorities urged people to steer clear of the city at the heart of the

outbreak.

The coronavirus has caused alarm because of its similarity to SARS (Severe Acute Respiratory Syndrome), which killed nearly 650 people across mainland China and Hong Kong in 2002-2003.

With hundreds of millions of people travelling across China this week for the Lunar New Year holiday, the National Health Commission announced measures to contain the disease—including sterilisation and ventilation at airports and bus stations, as well as inside planes and trains.

In Wuhan, the epicentre of the epidemic, large public events were cancelled and international football matches were moved to a new location. Visitors were urged to stay away, while residents were advised to not to leave the central city, which is home to 11 million people.

The illness is mainly transmitted via the respiratory tract and there "is the possibility of viral mutation and further spread of the disease", health commission vice minister Li Bin told a news conference in Beijing.

The virus has now infected at least 440 people across the country, with most cases in Wuhan. Li added that 1,394 people are still under medical observation.

The World Health Organization started an emergency meeting Wednesday to decide whether or not to declare a rare global public health emergency over the disease, which has now been detected in the United States, Taiwan, Thailand, Japan, South Korea and Macau.

The Chinese government has classified the outbreak in the same category as the SARS epidemic, meaning compulsory isolation for those diagnosed with the illness and the potential to implement quarantine measures.

But they still have not been able to confirm the exact source of the virus.

"We will step up research efforts to identify the source and transmission of the disease," Li said, adding that "the cases are mostly linked to Wuhan".

Countries have intensified efforts to stop the spread of the pathogen—known by its technical name 2019 Novel Coronavirus (2019-nCoV)—as the number of cases has risen.

Passengers are facing screening measures at five US airports and a host of transport hubs across Asia. Britain and Italy on Wednesday also announced enhanced monitoring of passengers from Wuhan.

Virus source

A prominent expert from China's National Health Commission confirmed this week that the virus can be passed between people.

However, animals are suspected to be the primary source of the outbreak.

A Wuhan market is believed to be the epicentre of the outbreak.

A price list circulating online in China for a business there lists a menagerie of animals or animal-based products including live foxes, crocodiles, wolf puppies and rats. It also offered civets, the animal linked to SARS.

"We already know that the disease originated from a market which conducted illegal transaction of wild animals," said Gao Fu, director of the Chinese centre for disease control and prevention.

He said it was clear "this virus is adapting and mutating".

Hong Kong and British scientists have estimated that between 1,300 and 1,700 people in Wuhan may have been infected.

Containment

Health authorities are urging people to wash their hands regularly, avoid crowded places, get plenty of fresh air and wear a mask if they have a cough.

Anyone with a cough or fever was urged to go to hospital.

In Wuhan, city authorities made it mandatory to wear a mask in public places on Wednesday, according to state-run People's Daily.

In response to skyrocketing demand for masks—which were starting to sell out at pharmacies and on some popular websites—China's industry and information technology ministry said it would "spare no effort in increasing supply", official news agency Xinhua reported.

"These days, I wear masks even in places that are not too crowded, although I wouldn't have done so in the past," said Wang Suping, 50, who works at a Beijing arts school.

At the capital's main international airport, the majority of people were wearing masks.

Hong Kong flag carrier Cathay Pacific said it had agreed to allow staff to wear surgical masks on mainland China flights, and that passengers from Wuhan would be offered masks and antiseptic wipes.

In Wuhan, police were conducting vehicle spot checks for live poultry or

wild animals leaving and entering the city, state media said. Officials also screened people on roads, the airport and the train station for fever.

The local government has cancelled major public activities and banned tour groups from heading out of the city.

Women's Olympics football qualifiers scheduled for February 3-9 in Wuhan have been moved to the eastern city of Nanjing.

Mayor Zhou Xianwang told state broadcaster CCTV: "If it's not necessary we suggest that people don't come to Wuhan."

© 2020 AFP

Citation: China warns virus could mutate and spread, steps up precautions (2020, January 22) retrieved 16 June 2024 from <https://medicalxpress.com/news/2020-01-china-virus-mutate-death-toll.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.