

Most coronavirus infections are mild, says Chinese study

February 18 2020



A medical worker takes a swab for testing from a Chinese paramilitary police officer in Shenzhen, Guangdong province

Most people infected by the new coronavirus in China have mild symptoms, with older patients and those with underlying conditions most

at risk from the disease, according to a study by Chinese researchers.

The disease has now killed nearly 1,900 people and infected more than 72,000 in China since it first emerged in the central city of Wuhan late last year.

A paper published in the *Chinese Journal of Epidemiology* looked at 72,314 confirmed, suspected, clinically diagnosed, and asymptomatic cases of COVID-19 illness across China as of February 11.

It is the biggest study on novel coronavirus patients since the outbreak began in late December.

Here are the main findings from the paper by the Chinese Centre for Disease Control and Prevention (CCDC):

Elderly, sick at risk:

Some 80.9 percent of infections are classified as mild, 13.8 percent as severe and only 4.7 percent as critical.

The highest fatality rate is for people aged 80 and older, at 14.8 percent.

The study finds that patients with cardiovascular disease are most likely to die of complications from the novel coronavirus, followed by patients with diabetes, chronic respiratory disease and hypertension.

There were no deaths among children aged up to 9, despite at least two cases of newborn babies infected through their mothers.

Up to age 39, the death rate remains low at 0.2 percent.

The fatality rate increases gradually with age. For people in their 40s it is

0.4 percent, in their 50s it is 1.3 percent, in their 60s it is 3.6 percent and their 70s it is 8.0 percent.

Men are more likely to die (2.8 percent) than women (1.7 percent).

The overall death rate from the virus stood at 2.3 percent.

While the Severe Acute Respiratory Syndrome (SARS) outbreak of 2002-2003 affected fewer people, the fatality rate was nearly 10 percent.

The US Centres for Disease Control says between 26 million to 36 million Americans contracted seasonal flu between October 2019 and February 8 this year, and there were between 14,000 to 36,000 deaths—a fatality rate of around 0.1 percent.

'Wuhan exposure'

Nearly 86 percent of those who have contracted the illness had either lived in or travelled to Wuhan, where a seafood market that illegally sold wild animals is believed to be the original source of the virus.

The city in central China's Hubei province has been under lockdown since January 23.

Risk to medical workers

A total of 3,019 health workers have been diagnosed, 1,716 of whom were confirmed cases, and five had died as of February 11, the report said.

An analysis of 1,688 severe cases among medical staff showed that 64 percent of them were working in Wuhan.

"The percentage of severe cases among Wuhan medical staff has gradually decreased from 38.9 percent at the peak (on January 28) to 12.7 percent in early February," the report said.

A hospital director in Wuhan died from the illness on Tuesday.

Earlier this month Wuhan ophthalmologist Li Wenliang, who had been punished by authorities for sounding the alarm about the virus, also died.

'Downward trend'

The epidemic reached its "first peak" between January 24 and 26, the report said.

It suggests there is has been a "downward trend" in the overall epidemic curve since February 11—meaning the spread of the disease, especially outside Hubei province, was slowing.

On February 13, China broadened its definition of confirmed cases to include those who were clinically diagnosed through lung imaging, in addition to those with a positive lab test result.

The report hints that China's decision to lock down Wuhan—a city of 11 million people—and impose strict transport curbs in other affected areas may have paid off.

'Possible rebound'

The virus spread as millions of people criss-crossed the country for the Lunar New Year holiday in late January.

The authors warn that with many people returning from the holiday, the

country needs to brace itself for a "possible rebound of the epidemic".

Coronaviruses may continue to "adapt over time and become more virulent", the report warns and urges doctors to "remain vigilant".

© 2020 AFP

Citation: Most coronavirus infections are mild, says Chinese study (2020, February 18) retrieved 26 April 2024 from

<https://medicalxpress.com/news/2020-02-coronavirus-infections-mild-chinese.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.