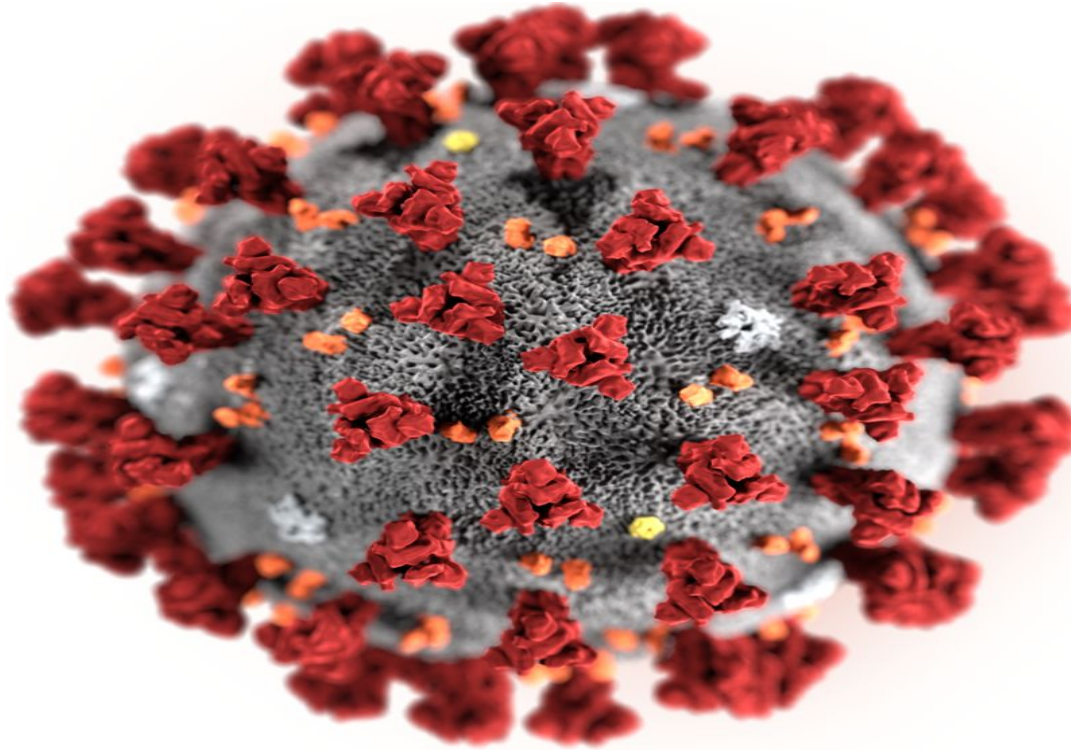


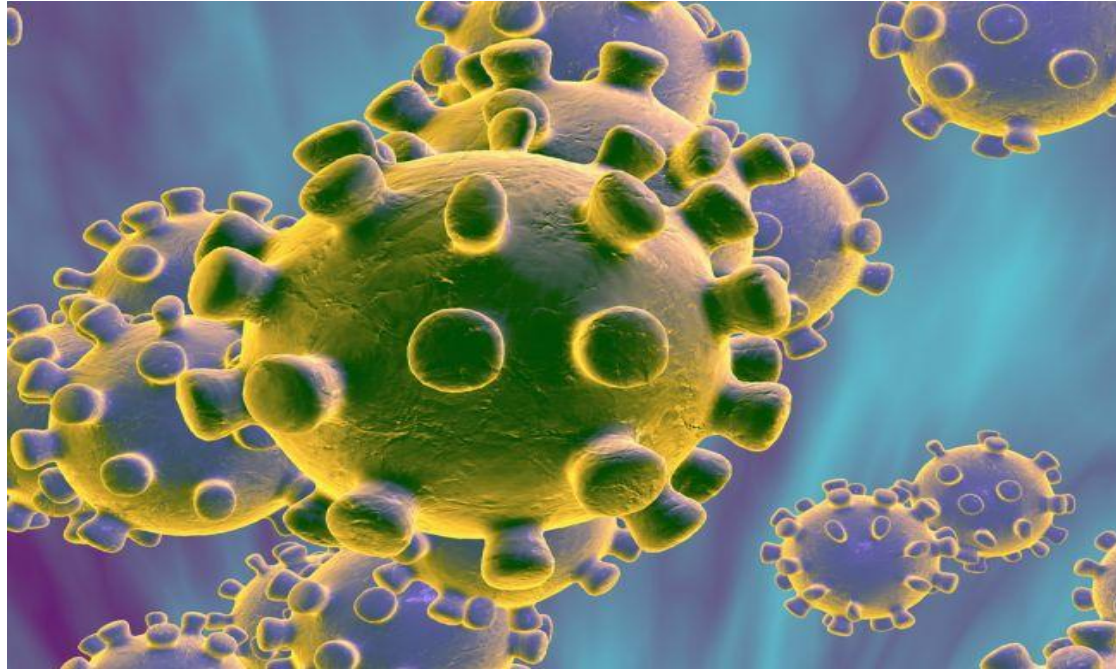
Global outbreak of corona virus n2019 and prevention

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2019-nCoV /New virus

Coronaviruses are a **large family** of coronaviruses that can cause respiratory illnesses such as the common cold. In some cases, the viruses can cause lower-respiratory tract illnesses such as pneumonia and bronchitis.



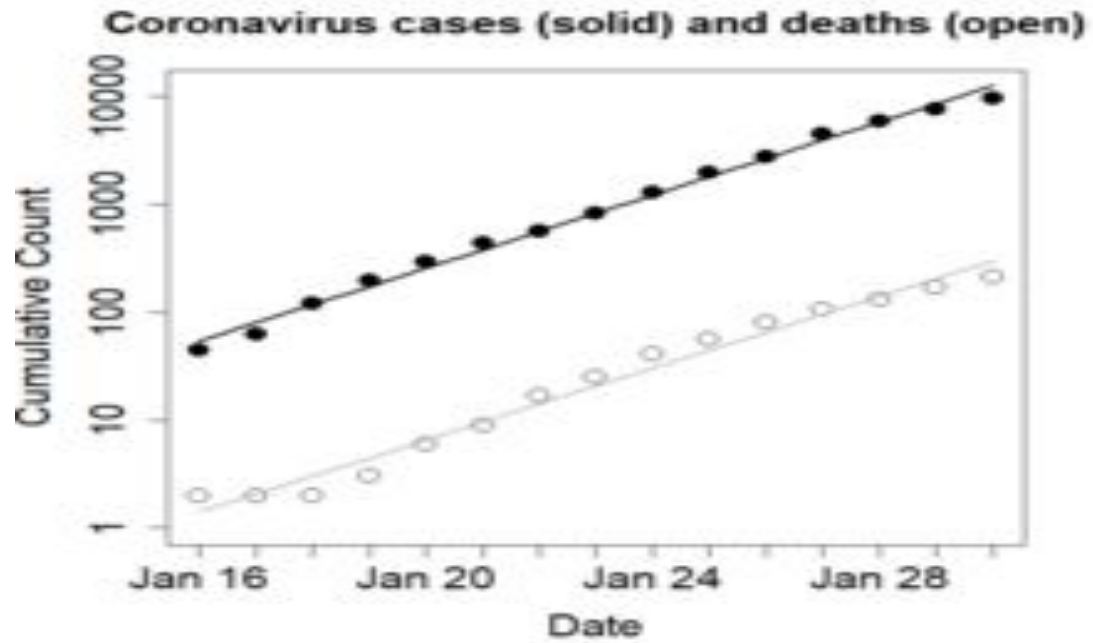
**Corona virus that Causes SARS in
previous time 2003**

These viruses are common among animals worldwide, but only a handful of them are known to affect humans. Rarely, coronaviruses can evolve and spread from animals to humans. This is what happened with the coronaviruses known as the **Middle East respiratory syndrome** coronavirus (MERS-CoV) and the severe acute respiratory syndrome coronavirus (SARS-Cov), both of which are known to cause more severe symptoms.



The **novel coronavirus (2019-nCoV)**, informally known as the **Wuhan coronavirus**, is a contagious virus that causes respiratory infection and has shown evidence of human-to-human transmission, first identified by health authorities in Wuhan , in China , outbreak.

Epidemiology



Level of deaths

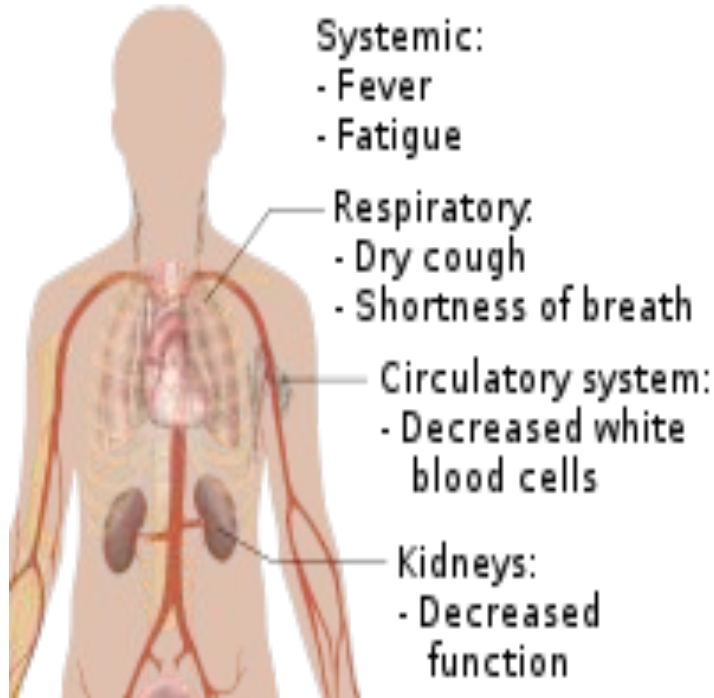
Transmission

The virus is transmissible from human to human via droplets when breathing or coughing or via contacts. Several key aspects are still unknown, such as the ratio of healthy carriers of the virus. The detected cases with symptoms, pneumonic complications and deaths are likely the visible part of a larger epidemic. Nowadays it will be pandemic and transmitted from china to an other countries allover the world.

Signs and symptoms

Symptoms of 2019-nCoV (Wuhan coronavirus).

Symptoms of 2019-nCoV (Wuhan coronavirus)



Prevention and treatment

Remember W-U-H-A-N

W - wash hands

U - use mask properly

H - have temperature
checked regularly

A - avoid large crowds

N - never touch your face
with unclean hands

• Prevention

1. There is currently no vaccine to prevent 2019-nCoV infection. The best way to prevent infection is to avoid being exposed to this virus. However, as a reminder, CDC always recommends everyday preventive actions to help prevent the spread of respiratory viruses, including:

2. Wash your hands often with soap and water for at least 20 seconds. Use an alcohol-based hand sanitizer that contains at least 60% alcohol if soap and water are not available.

3. Avoid touching your eyes, nose, and mouth with unwashed hands.

4. Avoid close contact with people who are sick.

5. Stay home when you are sick.

6. Cover your cough or sneeze with a tissue, then throw the tissue in the trash.

7. Clean and disinfect frequently touched objects and surfaces.

CDC recommends that travelers avoid all nonessential travel to China.

1. There is an ongoing [outbreak of respiratory illness](#) caused by a **novel** coronavirus that can be spread from person to person.
2. Chinese officials have closed transport within and out of **Wuhan** and other cities in Hubei province, including buses, subways, **trains, and the international airport**. Other locations may be affected.
3. Older adults and people with underlying health conditions may be at increased risk for severe disease.
4. The situation is evolving. This notice will be updated as more information becomes available.

Treatment

1. There is no specific antiviral treatment recommended for 2019-nCoV infection. People infected with 2019-nCoV should receive supportive care to help relieve symptoms. For severe cases, treatment should include care to support vital organ functions.

2. People who think they may have been exposed to 2019-nCoV should contact your healthcare provider immediately.

3.The CDC clinical criteria for a 2019-nCoV patient **under investigation** have been developed based on what is known about MERS-CoV and SARS-CoV and are subject to change as additional information becomes available.

4.Health care providers should obtain a detailed travel history for patients being evaluated with fever and acute **respiratory illness.**

The **WHO recommends** "regular **hand washing**, covering mouth and nose when coughing and sneezing, avoiding close contact with anyone showing symptoms of respiratory illness (such as coughing and sneezing).

The **CDC and prevention** of the United States provides general advice that an infected person can relieve their symptoms by taking regular **flu medications**, drinking fluids and resting

Domestic responses in China:

Health authority in china recommended population to stay in home especially in the infected areas , recommended schools and universities to delay their examination and recommended all families about sanitation and personal hygiene and inform health authority during any other out break of the disease in their geographical region.



Speaker of ministry of health in china

International Aid/

Most of countries all over the world sent aids to china as medical devices , PPE personal protective equipment, masks gloves, gown and other logistic items. some of countries as USA , France ,London, India and others have sent plane to return back their citizens to their country.

Specialized hospital in china /China has selected **big general hospitals** for victims of corona virus as a specialty hospital named [Huoshenshan Hospital](#) has been constructed against the outbreak and to better isolation for patient (quarantine) .

On 24 January 2020, the **authority announced** that they would convert an empty building in Huangzhou District, Huanggang to a 1,000-bed hospital. Authorities announced plans for a second specialty hospital on 25 January which will be named Leishenshan Hospital, with a capacity of 1,600 beds.

Evacuation of foreign diplomats and citizens from Wuhan.

The governments: :
of Australia, Indonesia, New Zealand, the South Korea, Thailand United States and Russia are planning evacuation flights or have sent evacuation flights for their citizens to return back to their countries.

International reactions/

1.China's response to the virus, in comparison to the [2003 SARS outbreak](#), has been thanked by some foreign leaders. [US President Trump](#) thanked Chinese President "on behalf of the American People" on 24 January 2020 on [Twitter](#), stating that "China has been working very hard to control the Coronavirus. **The United States greatly appreciates their efforts .**

Germany's [health minister Jens Spahn](#), in an interview on [Bloomberg TV](#), said with comparison to the Chinese response to SARS in 2003: "There's a big difference to SARS. The action of China is much more effective in the first days already." He also thanks the [international cooperation and communication in dealing with the virus](#)

Why do epidemics spread so quickly in the present time, in China// There are some opinions attributed to these reasons, population density and crowding, and they eat many types of unusual foods, including (cat, mouse , scorpion, snake, etc.), in addition to that, China is economically advanced and other countries compete with it. Population in china living with some animals and birds.

Preparation in KRG to face coronavirus
ERBIL, Kurdistan Region – Iraqi and Kurdish officials have begun implementing preparation measures to prevent the global, deadly coronavirus outbreak from gripping the area, including the evacuation of Iraqi students from the virus' outbreak in China.

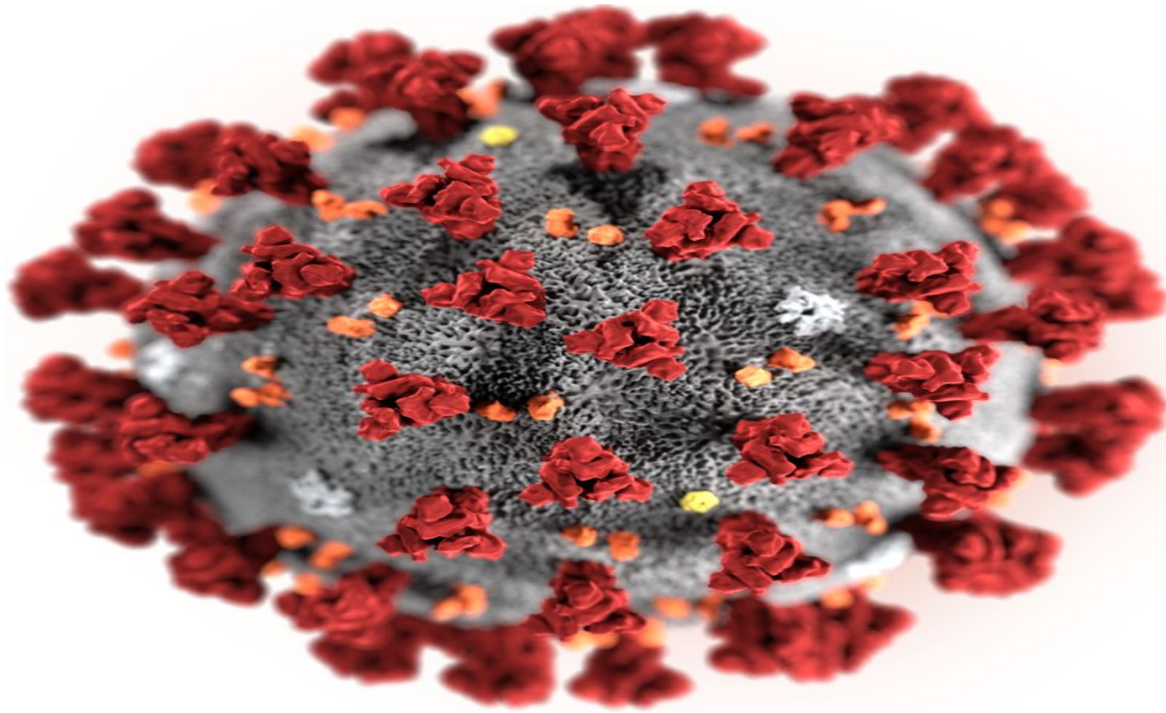
Preparations have been made to inspect travelers visiting the Kurdistan Region via Erbil International Airport. "We have two thermal cameras at the airport. If we suspect someone [is infected], we will inspect them and send them to the Erbil **Teaching Hospital** for further examination," Rasul said, adding they will only use the camera and take measures upon order from the KRG and Iraqi governments' health ministries... .

Speaking to Rudaw English, KRG **health ministry spokesperson Mohammed Khoshnaw** said that there is not current threat level of the virus to the Kurdistan Region. According to Khoshnaw, measures taken in the Kurdistan Region are based on requests from the Iraqi government and the World Health Organization (**WHO**).

Some photos



Birds flu



2019-nCoV /New virus



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The bat may be resources of virus



Monkey



Snake



[Hong Kong residents queueing to refund their bullet train tickets to the mainland in West Kowloon railway station](#)



Coronavirus outbreak in china

References

1.The [Chinese Center for Disease Control and Prevention](#) (CCDC) has started developing vaccines against the novel coronavirus and is testing existing drug effectiveness for pneumonia.[\[320\]](#)[\[321\]](#)

2.[Hong Kong](#) researcher [Yuen Kwok-yung](#) and his team in the [University of Hong Kong](#) announced that a new vaccine is developed, but needs to be tested on animals before conducting clinical tests on humans.[\[322\]](#)

3.US [National Institutes of Health](#) (NIH) is hoping for human trials of a vaccine by April 2020.[\[323\]](#)[\[324\]](#)

4.The Russian consumer health watchdog [Rospotrebnadzor](#) started the development of a vaccine, relying on the WHO's recommendations.[\[325\]](#)

5. The Norwegian [Coalition for Epidemic Preparedness Innovations](#) (CEPI) is funding three vaccine projects^[326] and hopes to have a vaccine in trials by June 2020 and approved and ready in a year. The [University of Queensland](#) in Australia has received \$10.6 million in funding from CEPI to develop a "[molecular clamp](#)"^[327] vaccine platform.^{[328][329]}

6. The [Cambridge, Massachusetts](#)-based [Moderna](#) is developing a [mRNA vaccine](#) with funding from CEPI.^{[330][331]} Inovio Pharmaceuticals received a grant from CEPI and designed a vaccine in two hours after receiving the gene sequence.^[332] The vaccine is being manufactured so that it can be first tested on animals.^[33]

Thank you