

Novel Coronavirus (2019-nCoV)

January 31, 2020



Cook County DEPT.
of
Public Health



COOK COUNTY
HEALTH

Coronaviruses

Coronaviruses are a large family of viruses, some causing illness in people, and others that circulate among animal, including camels, cats, and bats. Rarely animal coronaviruses can evolve and infect people and then spread between people. Human coronaviruses are common throughout the world and commonly cause mild to moderate illness in people worldwide. However, the emergence of novel (new) coronaviruses, such as SARS and MERS, have been associated with more severe respiratory illness.

Symptoms

Common human coronaviruses usually cause mild to moderate upper-respiratory tract illnesses, like the common cold. These illnesses usually only last for a short amount of time. Symptoms may include:

- Fever
- Cough
- Shortness of breath
- Human coronaviruses can sometimes cause lower-respiratory tract illnesses, such as pneumonia or bronchitis.

Coronaviruses

Transmission

Human coronaviruses most commonly spread from an infected person to others through the air by coughing and sneezing; close personal contact, such as touching or shaking hands; touching an object or surface with the virus on it, then touching your mouth, nose, or eyes before washing your hands; rarely, fecal contamination

Prevention

The following can help prevent the spread of coronaviruses and protect you from becoming infected.

- wash your hands often with soap and water for at least 20 seconds
- avoid touching your eyes, nose, or mouth with unwashed hands
- avoid close contact with people who are sick

There are currently no vaccines to protect against human coronavirus infection.

Novel Coronavirus: What is it?

- 2019-nCoV is a VIRUS
- One of 7 coronaviruses that infect humans (MERS-CoV, SARS, 229E, NL63, OC43, and HKU1)
- Probably zoonotic at the outset, now confirmed person-to-person spread

Current Situation

- Six confirmed cases in four states (Washington, California, Arizona, Illinois)
- Illinois Confirmed Cases
 - First case is a woman in her 60's who travelled to Wuhan City and became symptomatic after her return to Chicago.
 - Second case is the spouse of the first case.
 - This represents the first confirmed person-to-person transmission in US.
- 165 Persons Under Investigation (PUIs); 21 in Illinois

The situation is rapidly changing. CCH is monitoring the situation closely and working with local, state and federal officials.

CCH Response

Public Health Response

- Disseminate information to appropriate audiences
- Work with local, state and federal partners on any cases/contacts in suburban Cook County
- Contact tracing is a labor-intensive process that requires multiple interviews with confirmed cases and frequent and ongoing monitoring of close contacts.

CCH Response

Department of Hospital Epidemiology and Infection Control and Prevention

- Healthcare workers continue to be trained. 24-7 resources in place.
- Inpatient and outpatient protocols in place for patient placement.
- We are screening all patients coming into CCH with an electronic triage screening tool.
- Signage has been disseminated providing direction to patients who may be symptomatic.
- A PowerPoint educational tool as well as other resources are available on the Infection Control intranet site
- Isolation rooms have been identified for potential patients.
- Monitoring of negative pressure rooms is ongoing per regular protocol.

Patient-Facing Signage

ATTENTION
ALL PATIENTS

If you have:

- **Traveled outside of the United States** or
- Had close contact with someone who recently traveled outside of the United States and was **SICK**



And now **you** have:



Fever



Cough



Trouble Breathing

**PLEASE TELL HEALTH CARE STAFF
IMMEDIATELY!**



Adapted from Los Angeles County Department of Public Health

注意
全部病人

如若你曾:

- 在美国以外旅行或
- 与最近在美国以外旅行并且病得很重的人有密切联系



並且現在你有以下徵狀:



發燒



咳嗽



呼吸困難

請立刻告訴醫務人員!



Adapted from Los Angeles County Department of Public Health

Clinical Guidance: PUI (current definition)

Clinical Features	&	Epidemiologic Risk
fever <u>and</u> symptoms of lower respiratory illness (e.g., cough, difficulty breathing)	and	In the last 14 days before symptom onset: <ul style="list-style-type: none">• a history of travel from Wuhan City, China• -or-close contact² with a person who is under investigation for 2019-nCoV while that person was ill.
fever <u>or</u> symptoms of lower respiratory illness (e.g., cough, difficulty breathing)	and	In the last 14 days before symptom onset: <ul style="list-style-type: none">• close contact² with an ill laboratory-confirmed 2019-nCoV patient

²Close contact is defined by being within 6 feet (12 meters), or within the room or care area, of a novel coronavirus case for a prolonged period of time while not wearing recommended PPE (e.g. gowns, gloves, NIOSH-certified disposable N95 respirator, eye protection)

Questions?



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