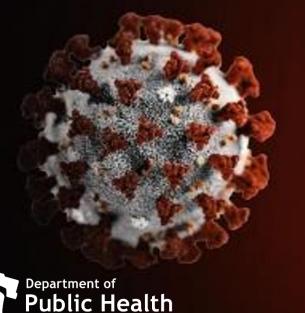
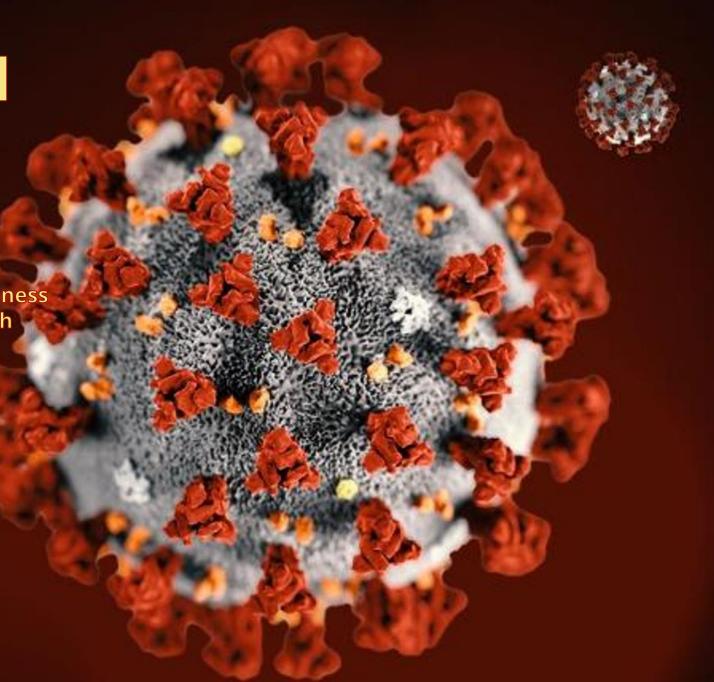
The 2019 Novel Coronavirus (COVID-19)

Rhona Cooper, MSN, MA, RN
Clinical Coordinator, Public Health Preparedness
Philadelphia Department of Public Health



CITY OF PHILADELPHIA



Overview

What is the 2019 Novel Coronavirus? (COVID-19)

Symptoms

Transmission

Disease Burden

- Comparison of risk: Influenza vs. Coronavirus
- Other coronavirus outbreaks

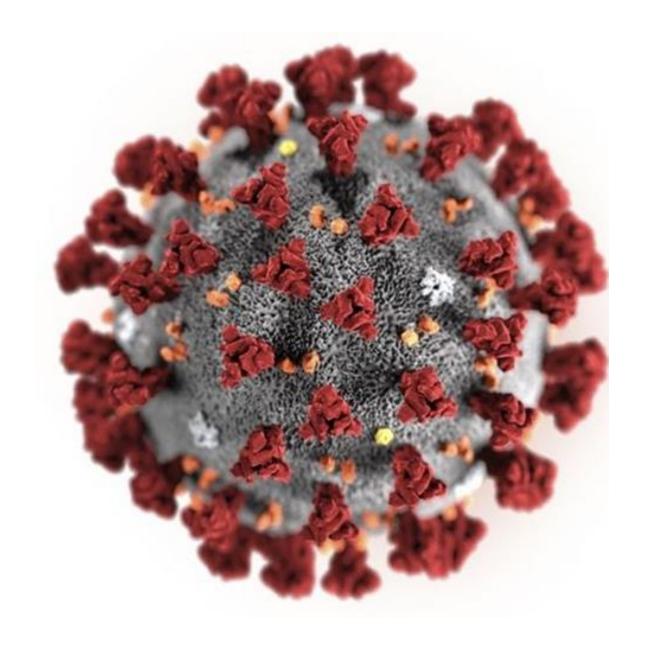
Management

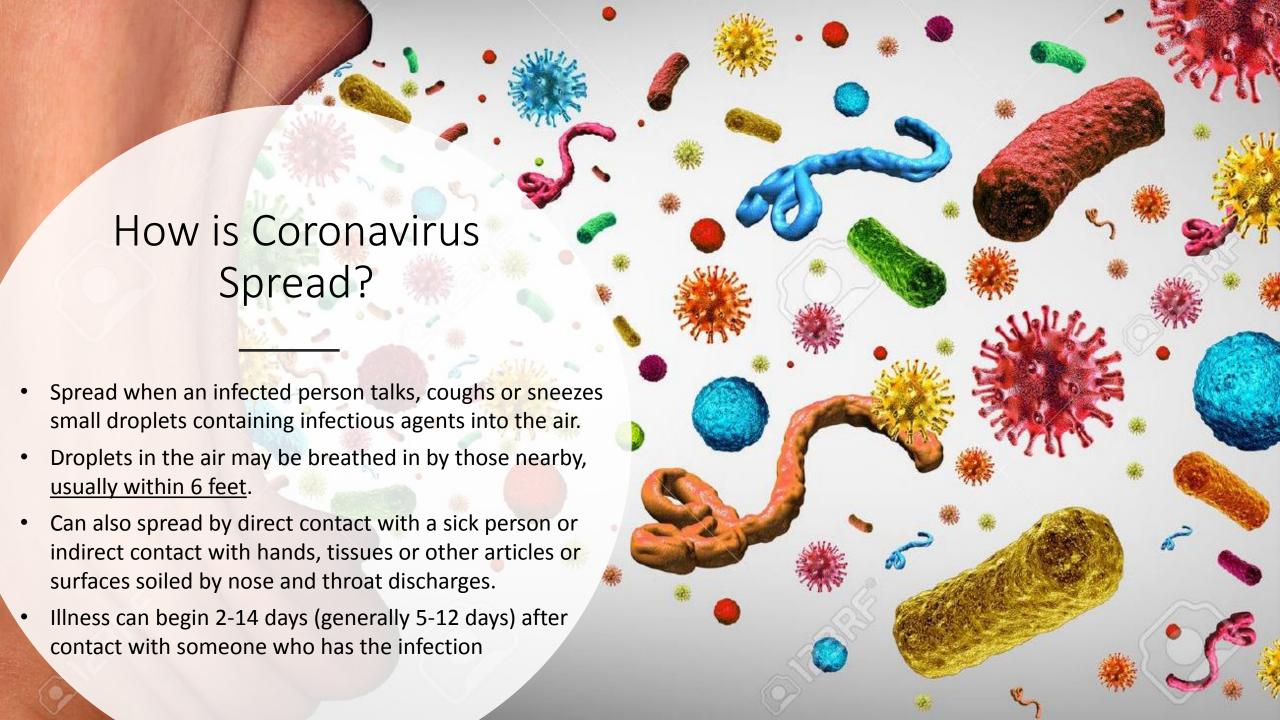
Prevention

Resources

What Are Coronaviruses?

- A large family of viruses, some causing illness in people and others that circulate among animals, including camels, cats, and bats.
- Rarely, animal coronaviruses can infect people exposed to infected animals, and then spread among people, as has been seen with <u>MERS-</u> <u>CoV</u> and <u>SARS-CoV</u>, and <u>now</u> <u>COVID-19</u>.





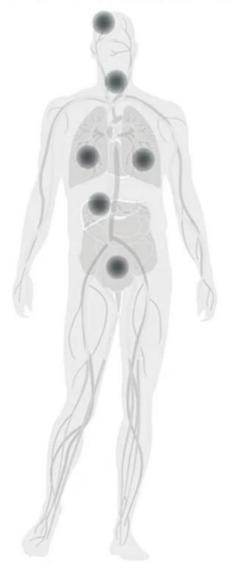


Each infected person could spread it to somewhere between 1.5 and 3.5 people without effective containment measures.

- Patients with COVID-19 have reportedly had mild to severe respiratory illness.
- Symptoms may appear 2-14 days after exposure.

Coronavirus symptoms

2019 Novel Coronavirus identified in Wuhan, China



Common signs of infection

- Fever
- Cough
- Diarrhea

- Shortness of breath
- Breathing difficulties
- Gastrointestinal symptoms

Severe cases

- Pneumonia
- Severe acute respiratory syndrome
- Kidney failure
- DEATH

Treatment

- No vaccines or antiviral drugs available
- Symptoms can be treated

Sources: WHO/CDC



As of March 14, 2020

Coronavirus Cases:

154,232

view by country

Deaths:

5,798

Recovered:

74,262

74,172 Currently Infected Patients 68,251 (92%) in Mild Condition 5,921 (8%) Serious or Critical



FATALITY RATES

of severe **human** coronaviruses



Middle East respiratory syndrome coronavirus

Sources: World Health Organization Department of Health



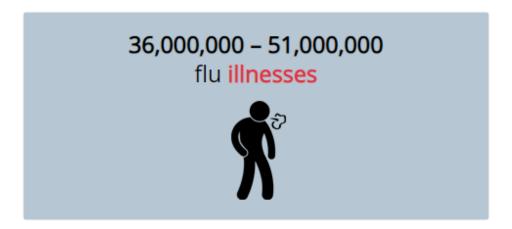
Severe Acute Respiratory Syndrome (rate changes per age group)

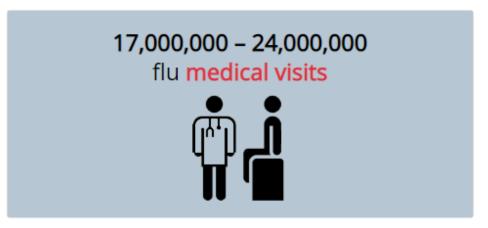


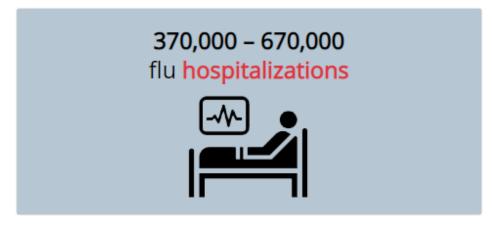
novel coronavirus from Wuhan, China (as of January 26, 2020)

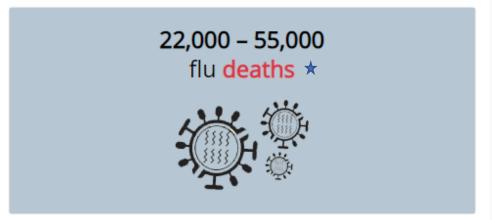
Disease Burden of the 2019-2020 Influenza Season

CDC estimates* that, from October 1, 2019, through March 7, 2020, there have been:









★ Including 144 children

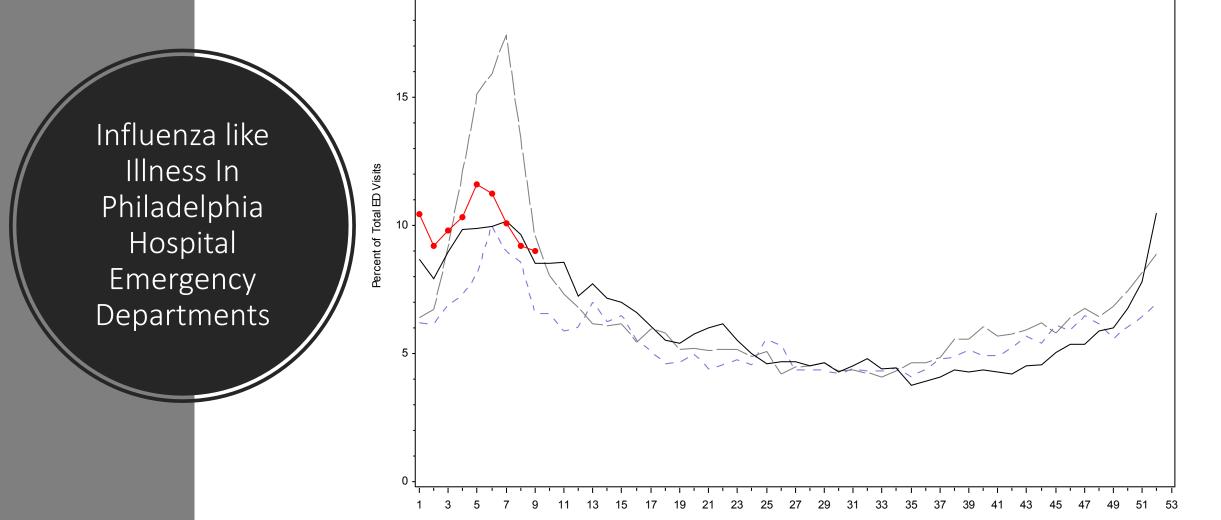
Time-series of the fever/flu syndrome by year

MMWR Week Number

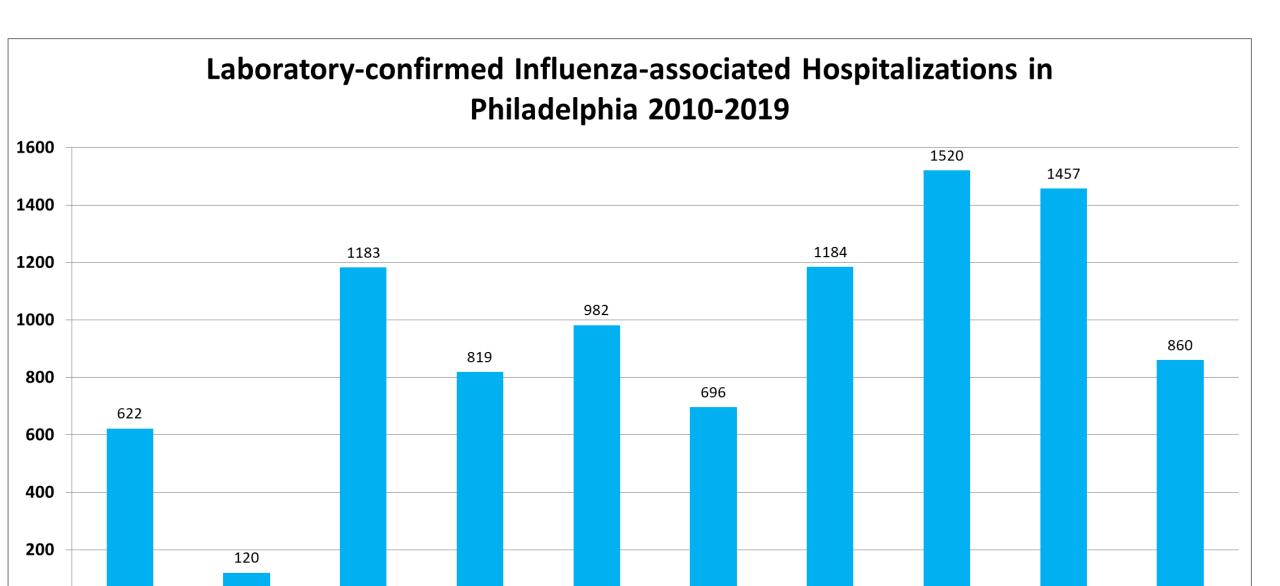
2018

— 2019

FOR INTERNAL USE ONLY



20



2014-2015

2015-2016

2016-2017

2017-2018

2018-2019

2019-2020 season-to-date

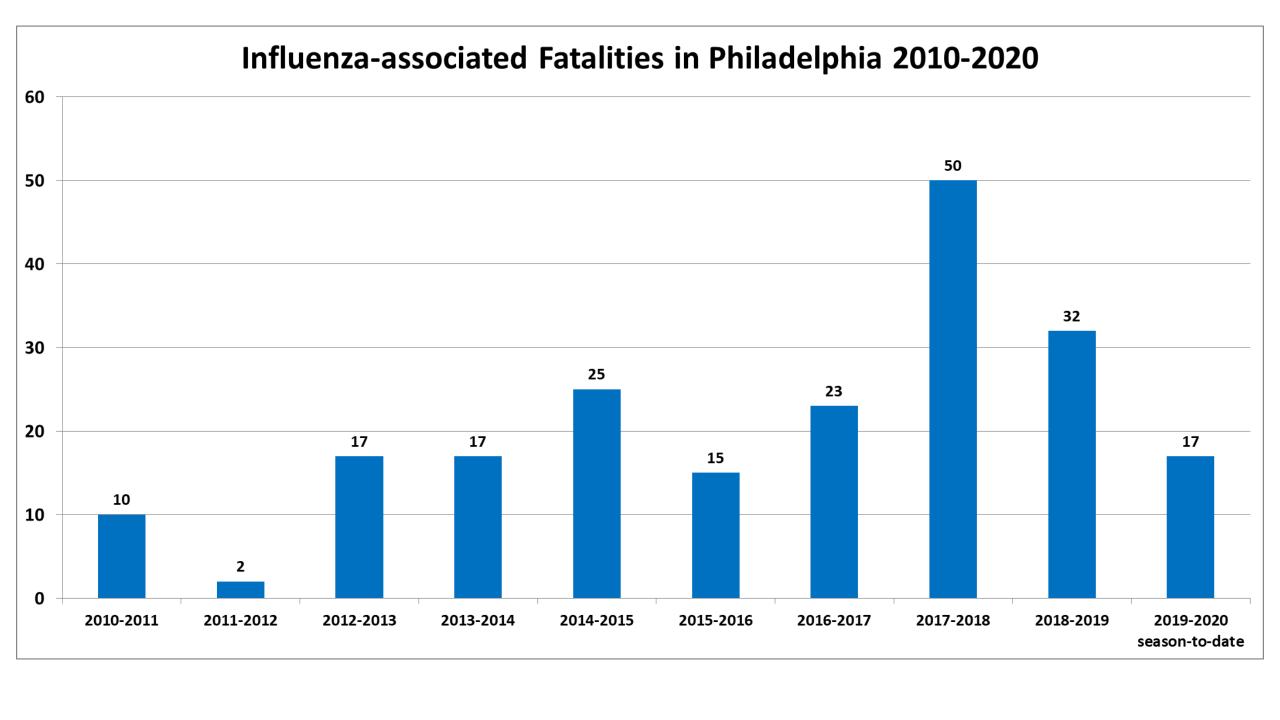
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2010-2011

2011-2012

2012-2013

2013-2014



Who is at Risk?

High Risk:

- People who share a household with a confirmed COVID-19 case and have not worn protective equipment
- Anyone who has traveled internationally within 14 days

Medium Risk:

- Anyone who has traveled domestically to highly affected areas, especially for persons who attended a mass gathering (i.e. a conference).
- Anyone who has had close contact with someone with COVID-19, not in a household, for 10 minutes or more
- Healthcare workers who have cared for patients with COVID-19

Low Risk

 Anyone who has been in a room with someone with COVID-19 but not in close contact (greater than 6ft)



How Agencies Are Working to Prevent the Spread of COVID-19

- Travel screening
- Testing
- Guidance to Providers and Public on
 - Quarantine
 - Isolation
 - Respiratory precautions
 - Use of PPE
 - Social distancing

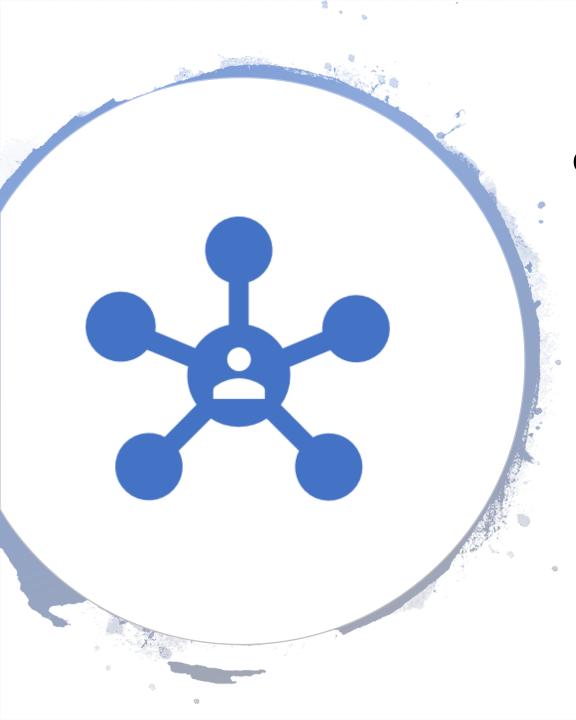


What Can We Expect?

- Cases to occur in the United States
- Community transmission to occur and potentially widespread transmission
- Continuous press coverage and political and community pressure to respond
- Control measures to limit transmission
 - School closures, and environmental cleaning
- Workforce depletion
 - Public transportation limitations
- Cancellation of mass gathering events
 - Public events, graduation ceremonies,



- Actively encourage sick employees to stay home until they are free of symptoms for 24 hours
 - Do not require a healthcare provider's note for a return to work
 - Maintain flexible policies so that employees can care for sick family members
- Emphasize hand hygiene and respiratory etiquette
 - Provide tissues and no-touch receptacles
 - Provide soap and water and alcohol-based hand sanitizer
 - Post instructions on hand washing and coughing and sneezing etiquette
- Perform routine environmental cleaning (no additional disinfection is needed)
 - Provide disposable wipes so employees can wipe down frequently touched and share surfaces
- Advise employees before traveling to check the CDC's Traveler Health Notices for the latest guidance



What Can Organizations Do Long Term?

Create an Infectious Disease Outbreak Workplan

- Identify essential business functions and roles that are required to maintain business operations
- Flexible worksites and telecommuting to increase social distancing
- Flexible human resource, workplace and leave policies
- Plan for how you will continue to operate if there is increased absenteeism, especially if schools and childcare facilities are closed
 - Altering operations
 - Cross-training on essential functions
- Establish a communication process to provide information to members, employees and business partners to allay anxiety, rumors and misinformation

Messages for the Public

- Stay home when sick; avoid contact with sick people
- Wash your hands with soap and water for 20 seconds and use a hand sanitizer if not available
- Don't shake hands
- Cough or sneeze into your elbow
- Use disinfectant wipes on shared surfaces
- Avoid large crowds: more than 1000 prohibited
 - Recommended no groups over 250
- Do not travel to affected areas
 - Vulnerable persons should try to stay home
- Do not travel on cruises
- Do not use facemasks if you are not sick
 - CDC does not recommend the use of facemasks for the general public to prevent the spread of COVID-19
- Do wear appropriate PPE (gloves, facemask) if caring for a person with a respiratory illness.
- Maintain at least a 2-week supply of water, food, essential household items, etc.
- Maintain a month-long supply of prescription medications

What You Should Not Do

- Do not travel to areas with widespread community transmission and don't go on cruises.
- Do not use facemasks if you are not sick. CDC does not recommend the use of facemasks for the general public to prevent the spread of COVID-19.
- Do not show prejudice to people of Asian descent because of fear of this new virus. Do not assume that someone of Asian descent is more likely to have COVID-19.
- All persons in the U.S. including those of Asian descent

 who have not traveled to areas with widespread
 transmission or been in contact with someone with a
 confirmed or suspected COVID-19 case in the last 14
 days are at no identifiable risk of becoming sick.



Coronavirus Resources

- Centers for Disease Control and Prevention
 - https://www.cdc.gov/coronavirus/2019-ncov/index.html
- Philadelphia Department of Public Health
 - https://hip.phila.gov/
 - https://www.phila.gov/the-latest/
- Pennsylvania Department of Health
 - https://www.health.pa.gov/topics/disease/Pages/ Coronavirus.aspx

Questions?

In Philadelphia, for more information call:

- Poison Control Center: 1-800-722-7112
 or
- 311

If you are experiencing symptoms of COVID-19 and believe that you may be in a risk category, call:

- Your healthcare provider
- If you are experiencing a medical emergency, call 911