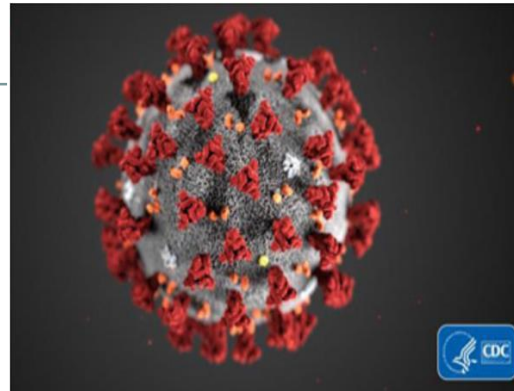


COVID-19



Oklahoma State Department of Health



Epidemiology



- **Transmission:**

- Respiratory secretions & droplets (Person to Person within about 6 feet) persons whom are in close contact with one another
- Some spread might be possible before people show symptoms, but this is not thought to be the main way the virus spreads.
- It may be possible that a person can get COVID-19 by touching a surface or object that has the virus on it and then touching their own mouth, nose or possibly their eyes, but this is not thought to be the main way the virus spreads.

- **Incubation:**

- ~ 2 to 7 days [up to 14 days]



Epidemiology Continued



● Prevention:

- Avoid people whom are sick. Stay home if sick. Wash hands/Alcohol based sanitizer often. Avoid touching eyes, nose and mouth with unwashed hands. Cover sneeze/cough with tissue/napkin throw in trash, or sneeze/cough inside of your elbow. If you are sick wear a face mask. Clean and disinfect frequently touched surfaces daily.
- Avoid crowds, especially in poorly ventilated spaces. Avoid all nonessential travel.

To disinfect:

Most common EPA-registered household disinfectants will work. Use disinfectants appropriate for the surface.

Options include:

- **Diluting your household bleach.**

To make a bleach solution, mix:

- 5 tablespoons (1/3rd cup) bleach per gallon of water
- OR
- 4 teaspoons bleach per quart of water

Follow manufacturer's instructions for application and proper ventilation. Check to ensure the product is not past its expiration date. Never mix household bleach with ammonia or any other cleanser. Unexpired household bleach will be effective against coronaviruses when properly diluted.

- **Alcohol solutions.**

Ensure solution has at least 70% alcohol.

- **Other common EPA-registered household disinfectants.**

Products with [EPA-approved emerging viral pathogens](#) [7 pages]  claims are expected to be effective against COVID-19 based on data for harder to kill viruses. Follow the manufacturer's instructions for all cleaning and disinfection products (e.g., concentration, application method and contact time, etc.).

[Complete disinfection guidance](#)

Clinical Presentation



- **Symptoms:**

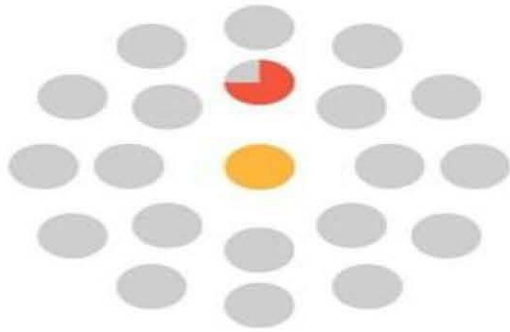
- Common: fever (83-98%), cough (76-82%), myalgia or fatigue (11-44%), sore throat early in course, short
- Fever may be prolonged and intermittent
- Shortness of Breath. Acute respiratory distress syndrome: 17-29% of hospitalized patients
- **80% of persons whom become sick will recover at home.**

- **Risk Factors:**

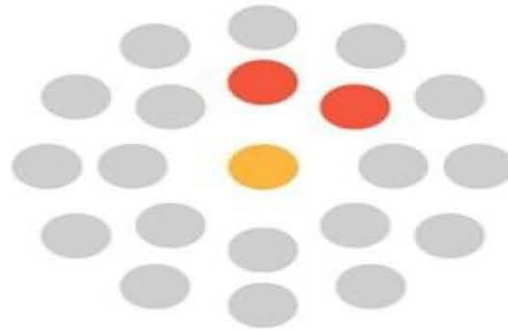
- Older adults, persons with chronic medical conditions, and immunosuppressive conditions are at higher risk for severe illness



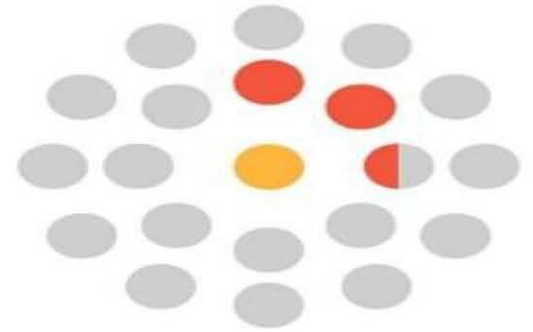
MERS



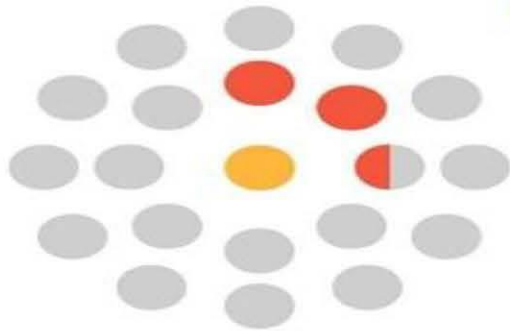
Ebola



Influenza

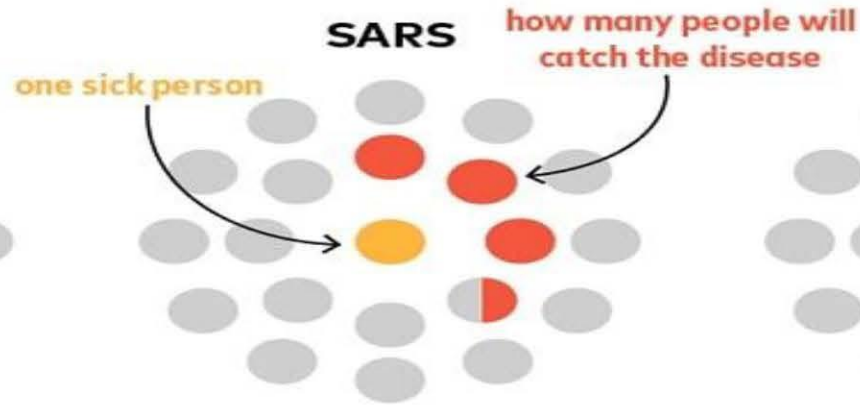


COVID-19

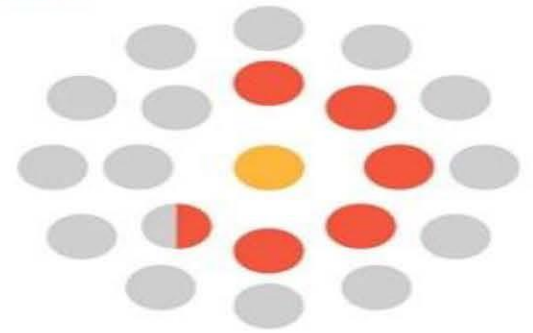


(estimate as of mid-February)

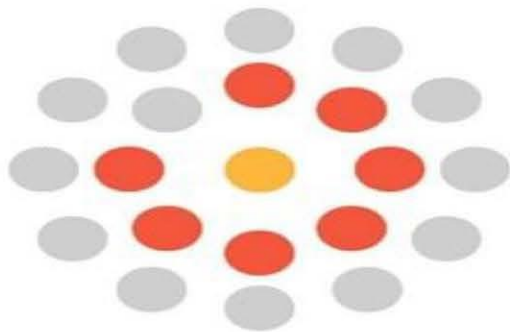
SARS



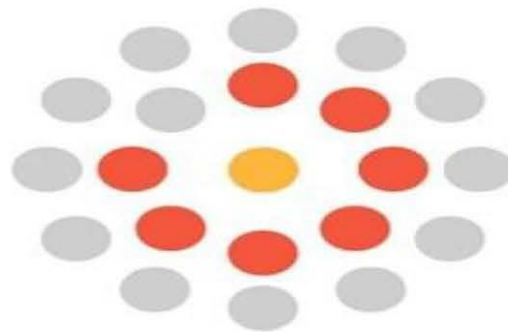
Mumps



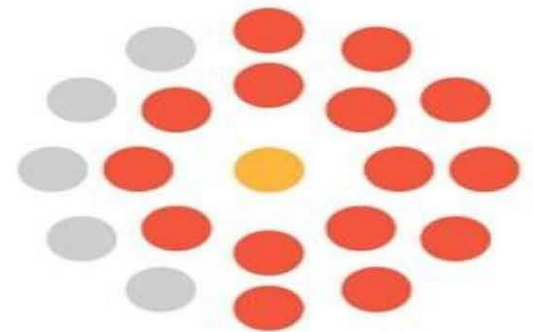
Rubella



Smallpox



Measles



Introduction of 2019-nCoV in China



- December 31, 2019 - Chinese officials reported a cluster of cases of acute respiratory illness in persons associated with the Hunan seafood and animal market in the city of Wuhan, Hubei Province, in central China.
- January 7, 2020 – Chinese health officials confirmed that a novel coronavirus (2019-nCoV) was associated with this initial cluster.
- January 24 – Travel bans began to be instituted by the Chinese government, resulting in restricted travel in and out of Hubei Province.
- However, transmission continues throughout China and to other countries.



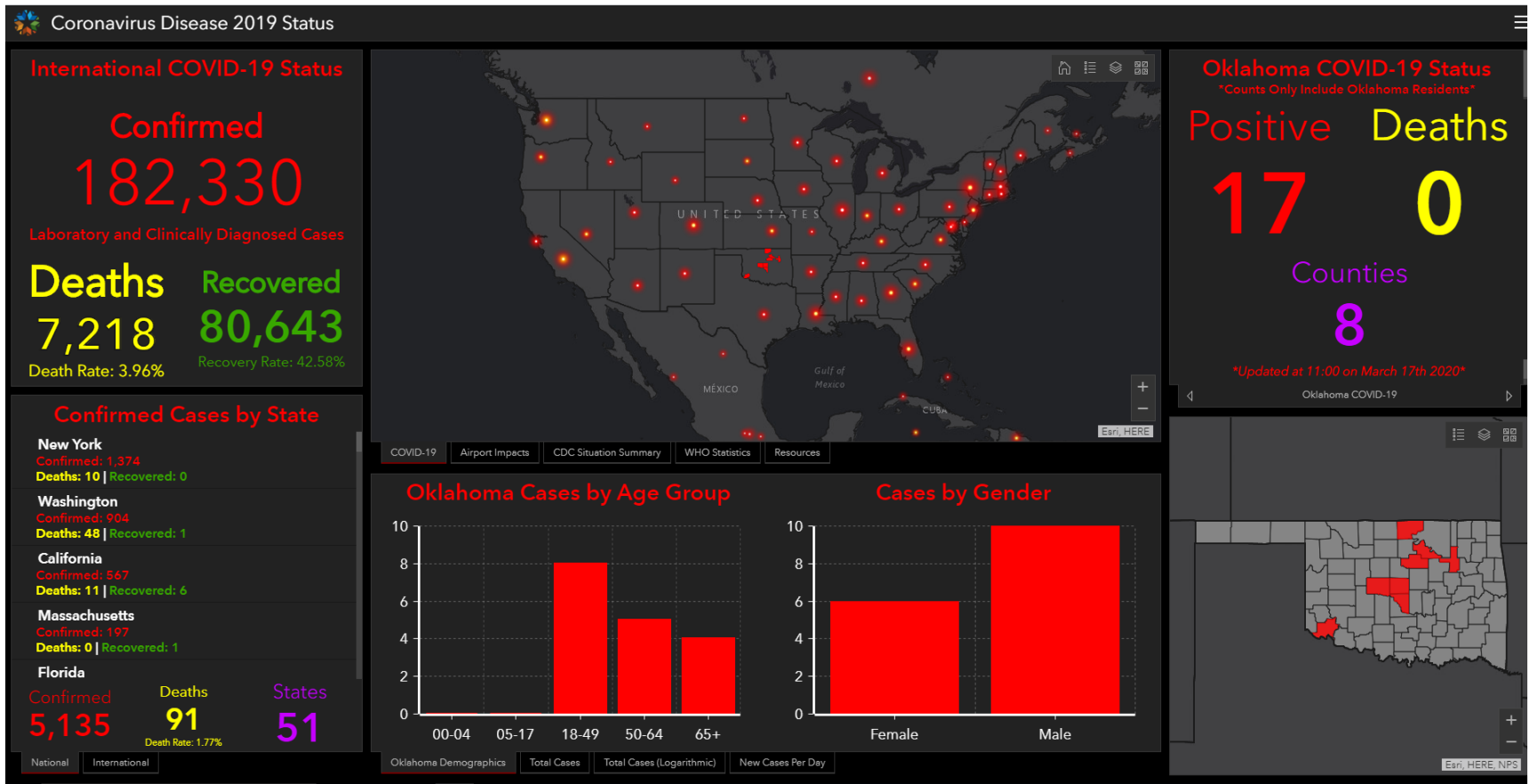
COVID-19 in the World



- On February 11, 2020 the World Health Organization announced an official name for the disease that is causing the current outbreak of coronavirus disease, COVID-19.
- As of March 17th, 2020 Globally 182,601 confirmed cases.
- 7,218 Deaths
- Recovered 80,643



Distribution of COVID-19 Cases



tinyurl.com/osdhcovid19

COVID-19 Enters the U.S.



- On January 31st, first case of COVID-19 identified in the U.S. in Washington state.
- On March 6th, first case of COVID-19 identified in Oklahoma in Tulsa county.
- **Oklahoma currently (3/17/2020) has 17 Positive cases. [Coronavirus.health.ok.gov](https://www.health.ok.gov)**



Response Efforts to Date



- Health Alert Notifications to Providers
- OSDH Website COVID-19 Page
- Public Information/Media Communications
- Returning Traveler Monitoring
- Investigations for current cases in Oklahoma
- Isolation and quarantine regarding current cases.



Response Efforts to Date



- **Epidemiologist-on-Call Consultations**
 - Guidance for clinicians and healthcare facilities
 - Addressing questions from businesses and industry
 - Notification of Persons Under Investigation (PUI)
- **Public Health Laboratory**
 - Private labs in Oklahoma on board for testing.
 - Testing started on March 6th
- **Public Health and Medical System Partner Coordination**
 - Regional Medical Response System
 - County Health Departments
 - Policy Advisory Group
 - Health Care Coalition
 - Oklahoma Department of Emergency Management (OEM)



Mitigation Actions



- Contact tracing to identify and monitor exposed individuals
- Isolation, quarantine, and movement restrictions enforced for exposed contacts to limit continued spread
- Surge management of impacted healthcare facilities, state agency, and local institutions
- Assessment and consideration of community mitigation strategies of impacted communities
- Enhanced public information/coordinated messaging



Mitigation Actions Continued



- Suspension of classes and events
- Message social distancing measures
- Prepared for continuity of safe housing, meals, distance learning

Resources for Institutions of Higher Learning



- CDC interim guidance to plan, prepare, and respond to COVID-19
 - <https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-ihe-response.html>
- Review, update, and implement emergency operations plans
 - Focus on large-scale infectious disease outbreak events



Resources for K-12 and Childcare Programs

- CDC interim guidance to plan, prepare, and respond to COVID-19
 - <https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/guidance-for-schools.html>
- Review, update, and implement emergency operations plans
 - Focus on large-scale infectious disease outbreak events



Businesses and Employers



- CDC interim guidance to plan, prepare, and respond to COVID-19
 - <https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-business-response.html>
 - OSDH adding guidance for businesses
- Review, update, and implement emergency operations plans
 - Focus on large-scale infectious disease outbreak events



Businesses and Employers



- Actively encourage sick employees to stay home
- Separate sick employees
- Emphasize staying home when sick, respiratory etiquette and hand hygiene by all employees
- Perform routine environmental cleaning
- Advise employees before traveling to take certain steps
- Additional Measures in Response to Currently Occurring Sporadic Importations of COVID-19



Response to confirmed case of COVID-19



- **State and local public health officials will notify institution leadership of an affiliated case**
 - Public health will conduct the investigation and work with school, university, or business on communications and response

- **Current community mitigation actions**
 - Suspension of classes and events
 - Message social distancing measures
 - Prepared for continuity of safe housing, meals, distance learning



Resources for accurate Information



- WWW.CDC.GOV
- WWW.Health.ok.gov
- [Email your questions and concerns to: commissioner@health.ok.gov](mailto:commissioner@health.ok.gov)

Oklahoma State Department of Health

**Coronavirus
Call Center**

877-215-8336

coronavirus.health.ok.gov

Please check website for Call Center hours.

