



# United States Public Health Service Commissioned Corps



## COVID – 19 *(novel Coronavirus)*

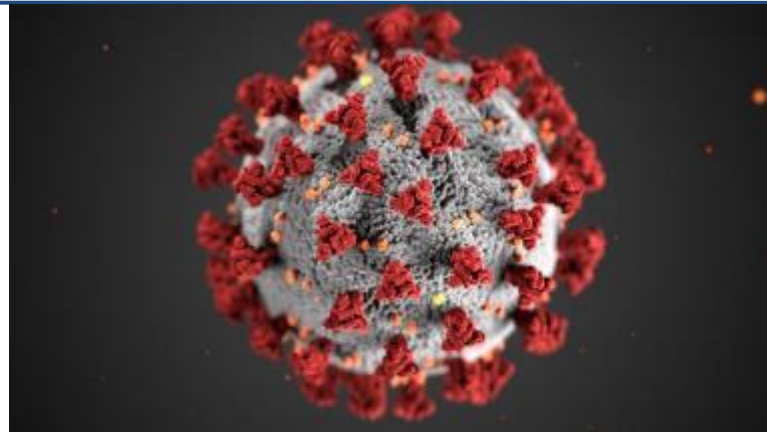
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Commander (CDR) of US Public Health Service  
Commissioned Corps

Deputy Team Commander:  
National Incident Support Team - Delta



**“It’s not so much of a question of if this will happen anymore, but rather more of a question of exactly when this will happen.”**

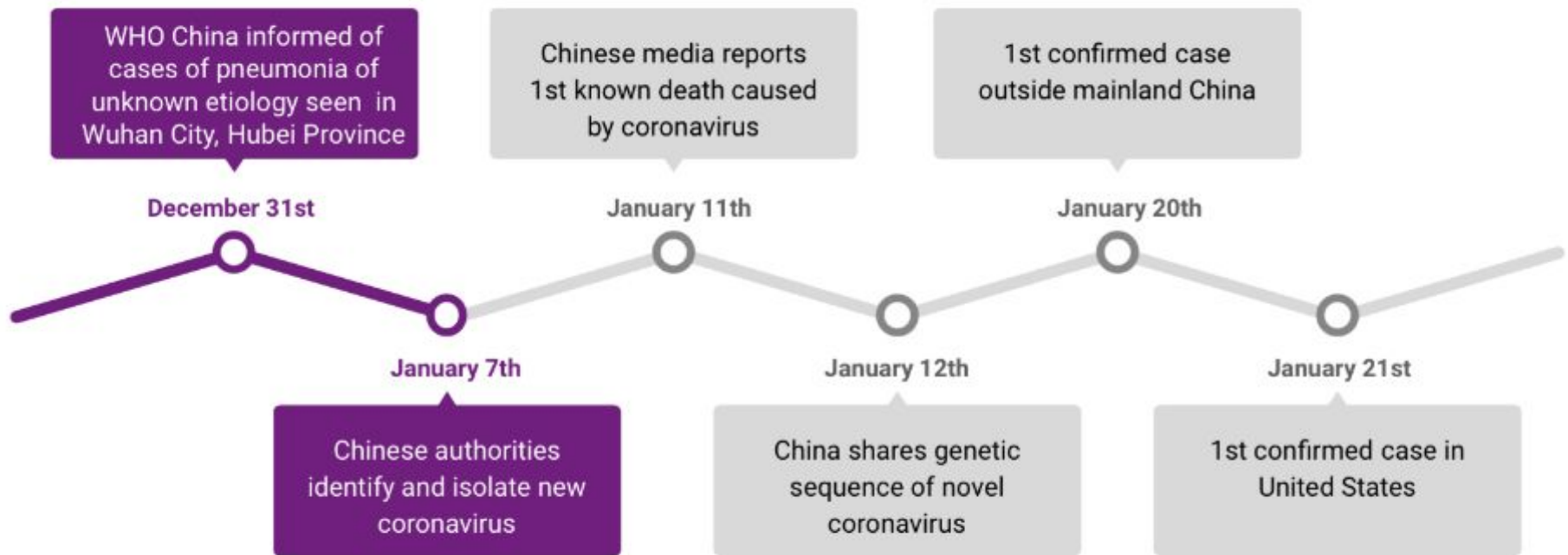
NANCY MESSONNIER, MD  
DIRECTOR OF CDC’S NATIONAL CENTER FOR IMMUNIZATION AND  
RESPIRATORY DISEASES



Belluck P, Weiland N. “C.D.C. Officials Warn of Coronavirus Outbreaks in the U.S.” The New York Times, 25 Feb. 2020.



# When did this get started?



Centers for Disease Control and Prevention. (2020). Coronavirus Disease 2019 (COVID-19) Situation Summary.



# Where are we at now?



Centers for Disease Control and Prevention. (2020). Coronavirus Disease 2019 (COVID-19) Situation Summary.



# Coronavirus Outbreaks Summary as of 02/29/20

	SARS-CoV (2003)	MERS-CoV (2012)	COVID-19 (2019)
Intermediate host	Palm civet	Dromedary camels	Unknown
Mode of transmission (person to person)	Respiratory droplets	Not readily transmitted	Respiratory droplets
No. of cases worldwide	8,098	1,569	83,650+
No. of deaths worldwide	774	554	2,800+
No. cases in the United States	8	2	60



■ No cases ■ 1 to 100 ■ 101 to 500 ■ 501 to 1000 ■ More than 1000

20 Jan: 291 cases



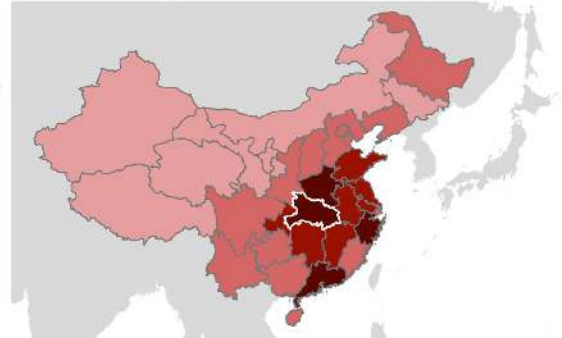
27 Jan: 2,745 cases



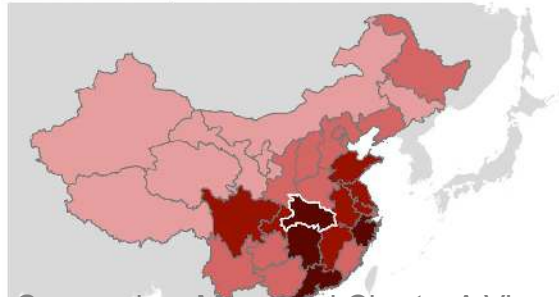
4 Feb: 20,425 cases



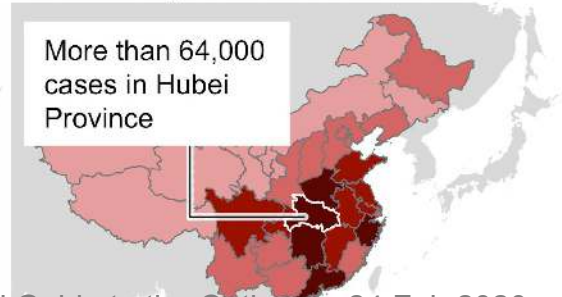
13 Feb: 59,864 cases



19 Feb: 74,257 cases

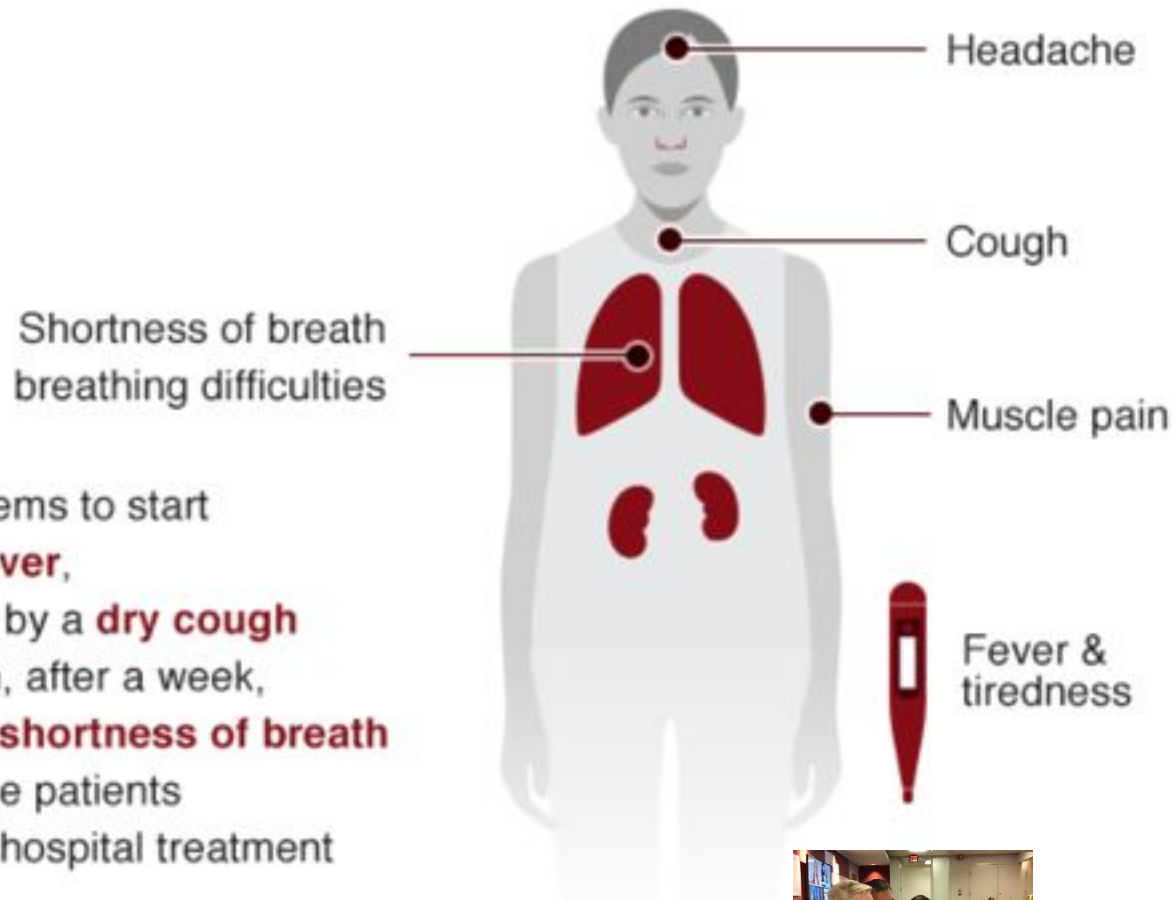


24 Feb: 77,234 cases





# Symptoms of COVID-19



Virus seems to start with a **fever**, followed by a **dry cough** and then, after a week, leads to **shortness of breath** and some patients needing hospital treatment





# Clinical Management of COVID-19

- Mild cases may be treated at home
- Progression to lower respiratory tract disease requires close monitoring
- **No specific treatment currently available**
- **No vaccination currently available**
- Supportive management of complications
  - Oxygen therapy, mechanical ventilation

Centers for Disease Control and Prevention. (2020). Interim Clinical Guidance for Management of Patients with Confirmed 2019 Novel Coronavirus (2019-nCov) Infection.

Chen N, Zhou M, Dong X, et al. (2020). Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China: a descriptive study. *Lancet*. 29 Jan 2020. S0140-6736(20)30211-7.



# Things YOU can do to protect yourself

- Wash your hands
- Cover your cough
- Avoid touching your eyes, nose, and mouth
- Avoid close contact with sick patients
- Stay home when you are sick
- Disinfect frequently touched objects and surfaces
- Vaccinate against influenza
- Avoid consumption of raw or undercooked animal products, especially seafood

Patel A, Jernigan DB. (2020). Initial Public Health Response and Interim Clinical Guidance for the 2019 Novel Coronavirus Outbreak — United States, December 31, 2019-February 4, 2020. CDC Morbidity and Mortality Weekly Report. 7 Feb 2020. 69(5);140-6.

