

Navajo Area Indian Health Service COVID-19 Situation Awareness

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Situation Awareness/SME Lead
March 17, 2020

- Currently, I serve as Area Diabetes Consultant for Navajo Area IHS
- Prior to IHS, I was the former director of Adult Immunization & Emergency Preparedness at NYC Health Department
- Two decades of public health experience and response to outbreaks/pandemics
 - H₁N₁, Ebola, Legionnaires, H₃N₂, Zika, influenza, measles, mumps
- NAIHS activated ICS on Mon, 3/9/2020
- Preparing NAIHS Situation Awareness Reports since Mon, 3/9/2020

Big Caveat...

- This is a rapidly evolving situation and changing by the hour (if not the minute)....

In the news...

- As of 3/13/2020, Administration has declared a national emergency
- As of 3/16/2020, Administration moved to recommending avoiding gatherings of 10 or more people

Link here: https://www.whitehouse.gov/wp-content/uploads/2020/03/03.16.20_coronavirus-guidance_8.5x11_315PM.pdf

- Continuing increases in cases and deaths globally & in the US, this is expected
- The situation in Italy is worsening with now over 27,000+ cases and over 2100+ deaths
- Many US states/cities closing bars, restaurants, gyms (including New York, New Jersey, Connecticut)
- California Bay Area on lockdown
- Over 38 states have closed schools
- Most colleges/universities closed
- Many European countries closing borders

Locally...

- As of 3/16/2020, there are over 4,400+ cases and 78 deaths in the US
- AZ, NM, UT, CO schools are closed
- Currently, no cases identified on Navajo Nation
- Four Corners area:
 - Colorado - #8 highest cases in the US – 135 cases
 - Utah – 39 cases
 - Arizona – 18 cases
 - New Mexico – 17 cases

Current numbers as of 3/16/2020

- Globally
 - Over 181,377 confirmed cases
 - Over 7,119 deaths
- Countries have highest cases & deaths
 - China – 81,032 cases, 3,217 deaths
 - **Italy – 27,980 cases, 2,158 deaths**
 - Iran – 14,991 cases, 853 deaths
 - Spain – 9,942 cases, 342 deaths
 - South Korea – 8,236 cases, 75 deaths

- Link here:

<https://www.arcgis.com/apps/opsdashboard/index.html#/bda759474ofd40299423467b48e9ecf6>

Current numbers as of 3/16/2020

- US ranks #8 in highest COVID-19 cases in the world
- Over 4,464 cases and 78 deaths across 16 states
- Cases in 49 states including District of Columbia, Puerto Rico
- US states with highest cases/deaths:
 - New York – 967 cases, 10 deaths
 - Washington – 794 cases, 42 deaths
 - California – 530 cases, 6 deaths
 - Massachusetts – 197 cases, 0 deaths
 - New Jersey – 178 cases, 2 deaths
 - Florida – 155 cases, 5 deaths

Flu vs. COVID-19

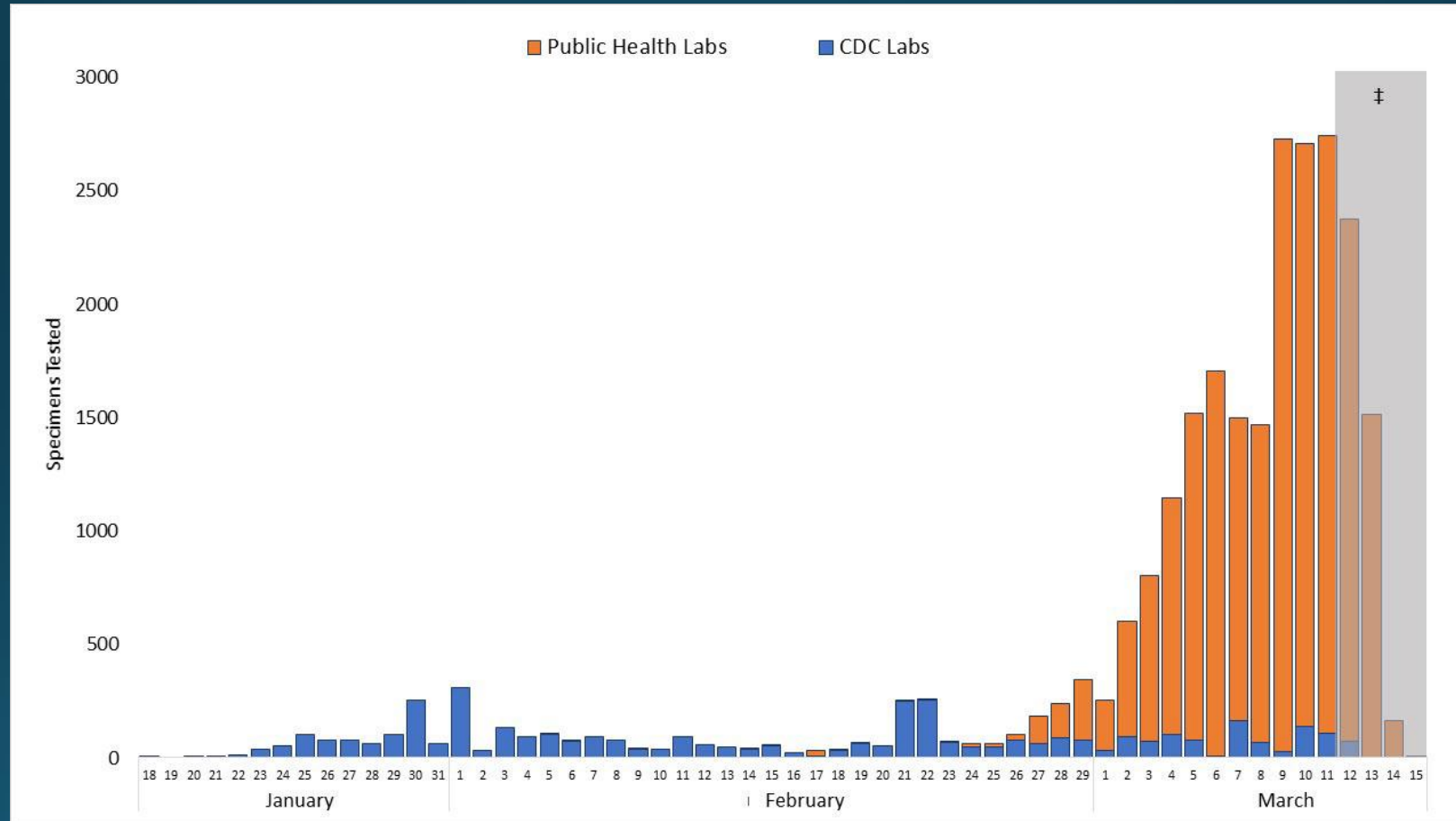
Influenza

- Clinically, usually 3-7 days
- Tamiflu effective if given early
- Vaccine available
- Bimodal – affects children and elderly
- CFR 0.1%

COVID-19

- Clinically, at least 2 weeks
 - After 1 week, those with underlying conditions will take a turn for the worse
- Anti-viral not effective
- No vaccine available
- Those at higher risk are elderly population, chronic medical conditions
- CFR 1-2% (10-20x more deadly than flu)

Number of specimens tested for SARS CoV-2 by CDC labs (N=4,255) and U.S. public health laboratories* (N=20,907)† as of Mar 12, 2020



Vaccine?

- No current vaccine available
- NIH Phase 1 COVID-19 clinical trial began on 3/16/20:
 - Seattle
 - 45 healthy volunteers ages 18-55, will be followed for a 1 year
 - Vaccine called mRNA-1273
 - First participants received investigational vaccine today
 - Study has to evaluate different doses of vaccine for safety and also its ability to induce immune response

Link here: <https://www.nih.gov/news-events/news-releases/nih-clinical-trial-investigational-vaccine-covid-19-begins>

Administration Updates:

- The President's Coronavirus Guidelines for America – 15 days to slow the spread of COVID-19 released on 3/16/20
 - Key Points:
 - If you sick, stay home. Contact your medical provider.
 - If your children are sick, keep them at home. Do not send to school. Contact your medical provider.
 - If you someone in your household tests positive, all household members to quarantine.
 - If you are an older person, stay home and away from other people.
 - If you are person with serious underlying health condition (heart disease, lung disease, diabetes, kidney disease, cancer, taking immunosuppressive medication), stay home and away from people.

Administration Updates:

- The President's Coronavirus Guidelines for America – 15 days to slow the spread of COVID-19 released on 3/16/20:
- **Do your part to prevent spread of COVID-19 (social distancing):**
 - Work or engage in school from home, when possible.
 - If you're a medical provider or other essential industry, you have a special responsibility to maintain normal work schedule. Make sure to stay protected at work.
 - Avoid social gatherings in groups of more than 10 people.
 - Avoid eating or drinking at bars, restaurants, and food courts – use drive-thru, pickup, or delivery options.
 - Avoid discretionary travel, shopping trips and social visits.
 - Do not visit nursing homes or retirement or long-term care facilities.
 - Practice good hygiene.

CDC Updates...

- CDC published on 3/10/20 updated guidance, “Interim Infection Prevention and Control Recommendations for Patients with Suspected or Confirmed Coronavirus Disease 2019 (COVID-19) in Healthcare Settings.” Suspected and confirmed COVID-19 patients can be cared for in a single-person room with door closed. Airborne Infection Isolation Rooms (AIIRs) should be reserved for patients undergoing aerosol-generating procedures. Facemask is an acceptable alternative when supply chain of respirators cannot be met. Link here: <https://www.cdc.gov/coronavirus/2019-ncov/infection-control/control-recommendations.html>
- Published on 3/16/2020, case report in Annals of Internal Medicine on HCW and PPE. Link here: <https://annals.org/aim/fullarticle/2763329/covid-19-risk-health-care-workers-case-report>

CDC Updates...

- CDC published on 3/13/20 updated Interim Guidelines on Collecting, Handling and Testing Clinical Specimens from Persons for COVID-19, recommendation to collect and test a single upper respiratory nasopharyngeal swab (NP).
- Link here: <https://www.cdc.gov/coronavirus/2019-nCoV/lab/guidelines-clinical-specimens.html>

CDC Updates...

- On 3/15/2020, CDC issued HAN 430:
 - The Centers for Disease Control and Prevention (CDC) recommends all persons defer any travel on cruise ships, including river cruises, worldwide because of the increased risk of SARS-CoV-2 transmission onboard ships.

Link here: <https://emergency.cdc.gov/han/2020/han00430.asp>

Other Updates:

- CDC COCA today on COVID-19 Update and Information for Long-term Care Facilities (same time as our ECHO webinar):

Link here:

https://emergency.cdc.gov/coca/calls/2020/callinfo_031720.asp

- NIHB has COVID-19 call today, Tue, Mar 17, 5-6:30 ET
 - Jay Butler, MD, Director, CDC Deputy Director for Infectious Diseases
 - Conference call: 1-888-790-1891, passcode: 7626340
- AARP COVID-19 Tele-Town Hall on Thu, Mar 19, 1ET

Link here: <https://www.aarp.org/health/conditions-treatments/info-2020/tele-town-hall-coronavirus.html?intcmp=AE-HP-LL1>

Other Useful Info...

- WHO COVID-19 global research database

Link here: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/global-research-on-novel-coronavirus-2019-ncov>

- CDC COVID-19 publications list:

Link here: <https://www.cdc.gov/coronavirus/2019-ncov/publications.html>

- COVID-19 pre-print/preliminary reports (not peer-reviewed):

Link here: <https://connect.medrxiv.org/relate/content/181>

Thanks!

- Questions?