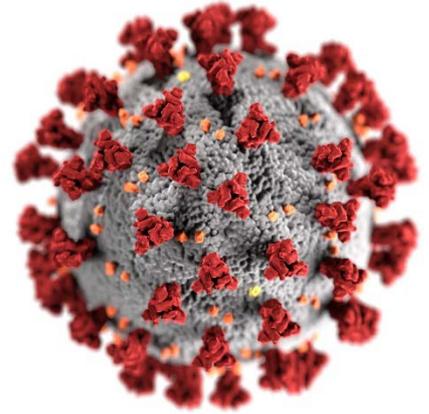


State, Tribal, Local, and Territorial Support (STLT) Task Force

CDC's Role in Supporting Tribal Nations in the COVID-19 Response

Margaret (Peggy) Honein, PhD, MPH

21st Biannual CDC and ATSDR Tribal Advisory Committee (TAC) Meeting
February 3, 2021



cdc.gov/coronavirus

CDC's State, Tribal, Local, and Territorial Support Task Force

Mission: rapid support to state, tribal, local, and territorial jurisdictions through:

- Ongoing **technical assistance**
- **Virtual training** on contact tracing, case investigations, and infection prevention and control
- Field teams for **outbreak investigations** in communities and congregate settings
- Best practices for **infection prevention** and control
- Digital platforms to support **large scale contact tracing**
- **Health communications** to support effective mitigation
- **Data analytics tools** and reports



Tribal Support Section

Key Objective: Provide technical assistance to American Indian/Alaska Native Communities



Contact Tracing



Mapping



Community Mitigation



Infection Prevention and Control



Data Collection and Analysis



Health and Risk Communications



Epidemiology and Surveillance Support



Response Management



Water, sanitation, and hygiene



Factors Contributing to Heightened COVID-19 Incidence and Mortality

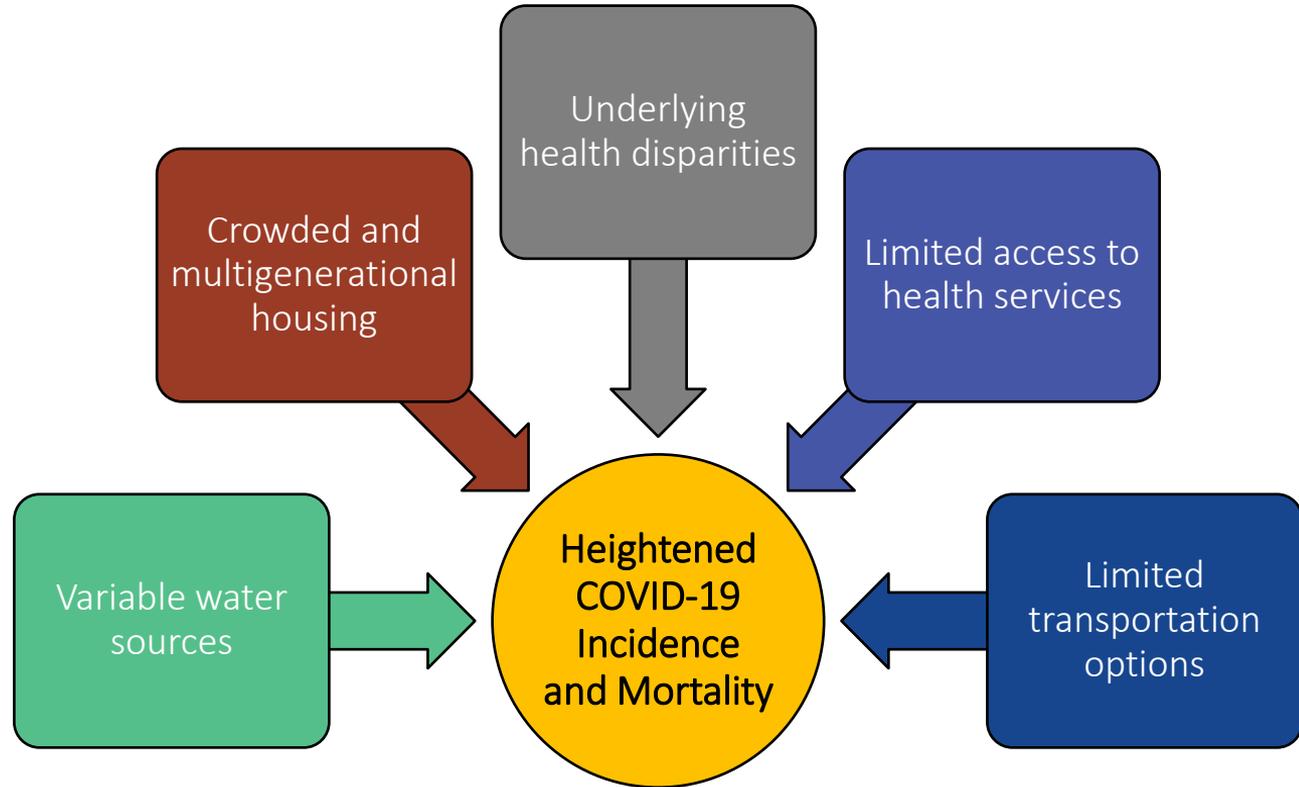
When compared with non-Hispanic White persons, American Indian/Alaska Native non-Hispanic persons are

1.8 times more likely to be diagnosed with COVID-19

4.0 times more likely to be hospitalized because of COVID-19

2.6 times more likely to die from COVID-19

Data Source: COVID-NET



COVID-19 CDC Deployments to Tribal Communities

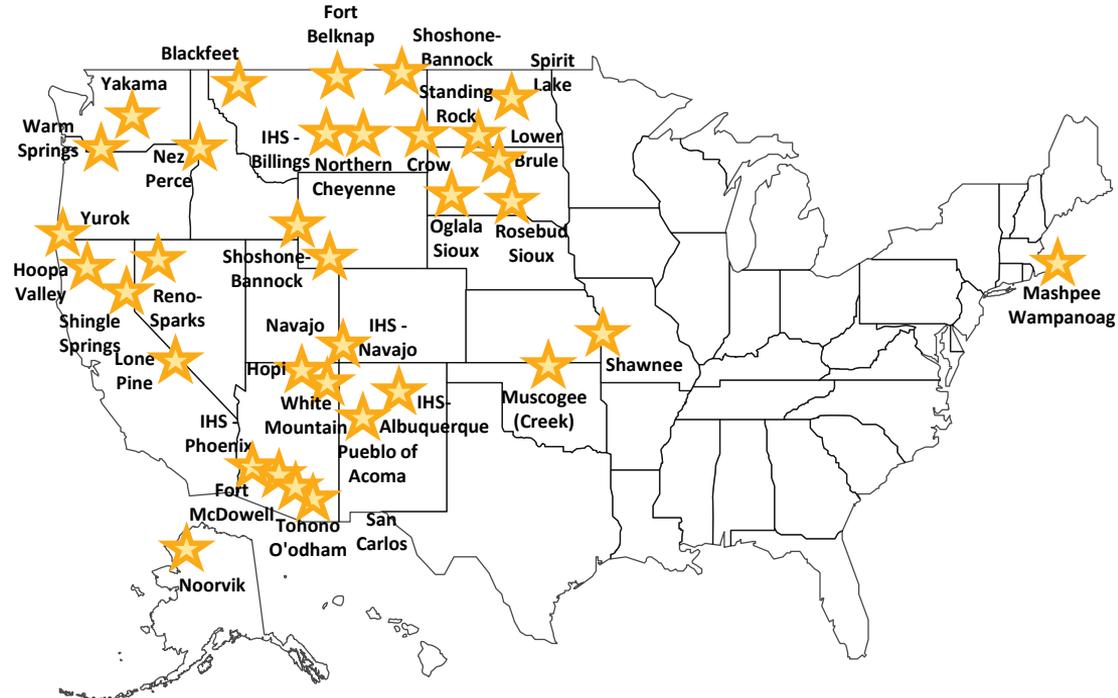
Cumulative Deployments

Tribal Deployments

52 teams total

280 cumulative staff
(field and remote deployers)

April 2, 2020 – January 25, 2021



How CDC Partners With Tribal Communities



Remote
Support

- Tribal Liaison Officers
- Tribe Specific Technical assistance (TA) plans
- Implementation TA
- Information sharing
- Linking to resources and contacts
- Training for developing and implementing a contact tracing plan



Protocol
Review

- Incident Command Structure
- Case management
- Contact tracing
- Reopening
- Recovery



CDC Staff
Deployments

- Epidemiological Teams
- Contact Tracing Teams
- Infection Prevention and Control Teams
- Incident Command Teams



CDC Liaison Officer (LNO) Workflow for EOC Deployments

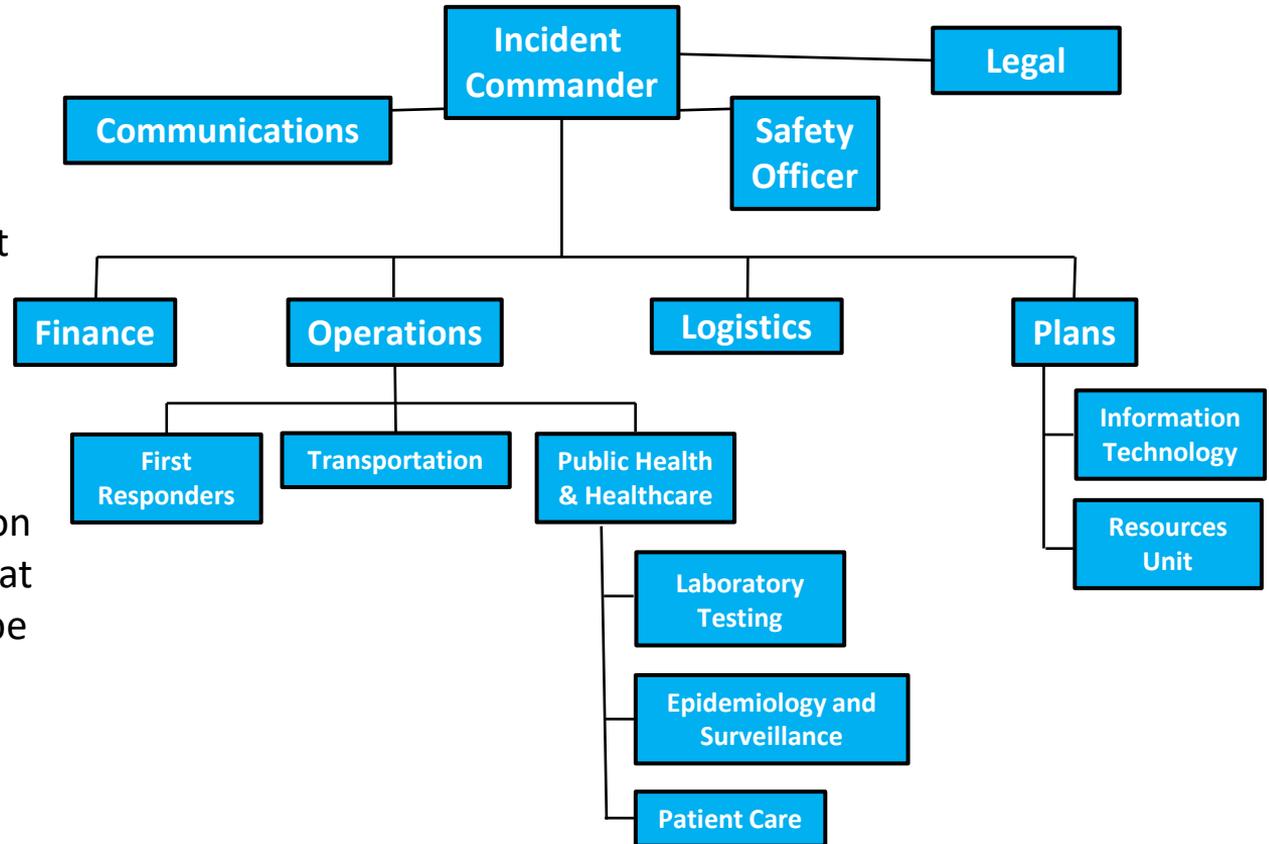


Increasing Emergency Response Capacity



Assisting with Incident Command Structure

- Identify a chain of command
- Establish routine incident command meetings
- Develop Standard Operating Procedures (SOPs)
- Encourage communication between all parties so that coordinated efforts can be more effective.



Deployment Spotlight: Hopi Tribe

Mounting a Robust COVID-19 Response



Door-to-Door Education & Outreach ("CHAC" Program)

CDC deployers supported the Hopi to

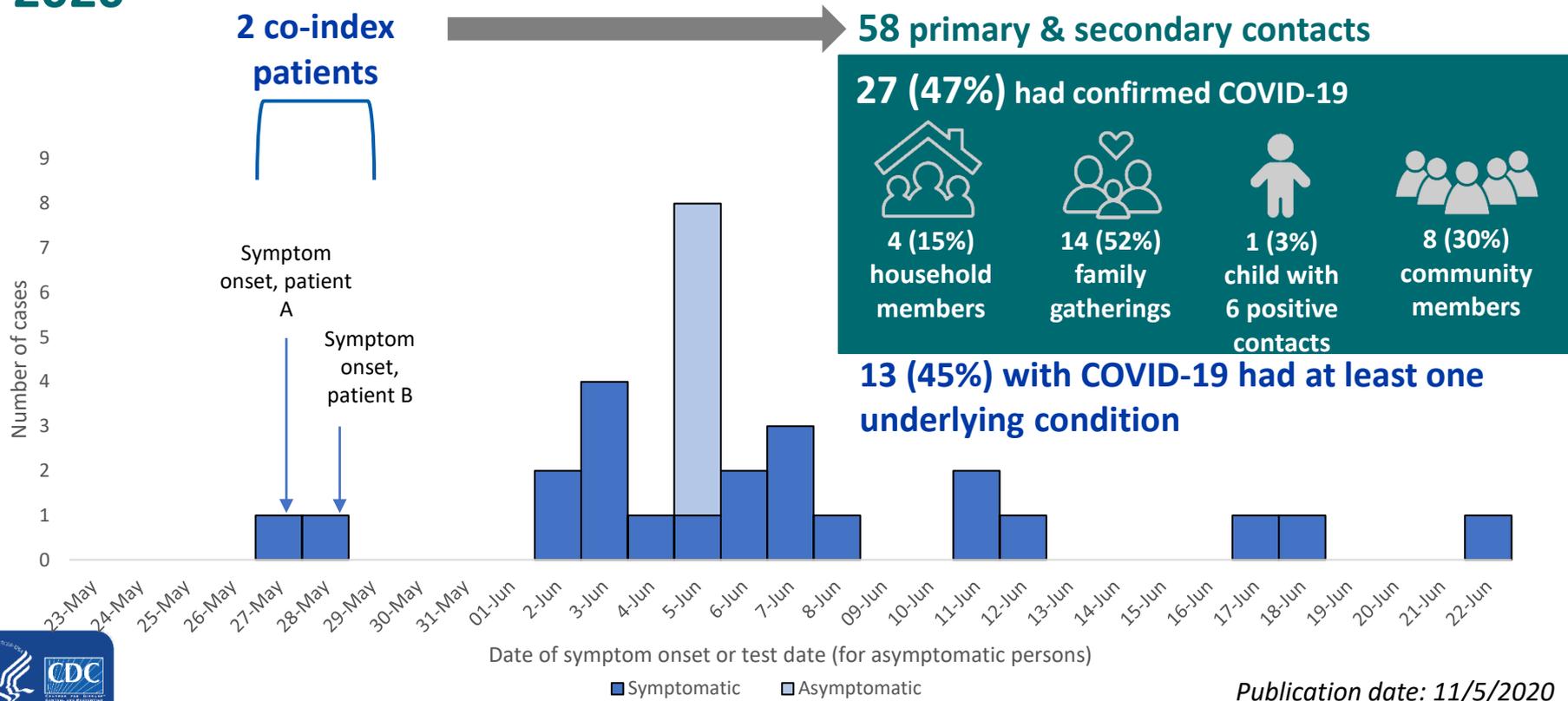
- Enhance epidemiologic reporting and data analysis
- Improve the existing incident command system
- Implement innovative communication strategies
 - Deliver health education and referral for testing through household visits called CHAC: Community outreach, Health education, Assessment for COVID-19, Connection to testing and care



Building COVID-19 Surveillance Capacity



MMWR: A SARS-CoV-2 outbreak illustrating the challenges in limiting the spread of the virus among the Hopi Tribe, May–June 2020



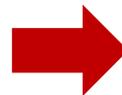
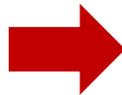
Publication date: 11/5/2020

MMWR: Development of an enhanced community-focused COVID-19 surveillance program—Hopi Tribe, 2020

The Hopi Tribe developed a community-focused program to enhance COVID-19 surveillance and deliver systematic health communications to their communities.



Surveillance:



Every household

- ✓ Screen for symptoms
- ✓ Recommend testing as appropriate
- ✓ Provide education

Field testing in 2 villages:



5 teams

Screened **141** people



<10 hours



5%

refusal rate



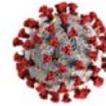
Publication date: 11/5/2020

Helping Improve Surveillance and Data Analytics

COVID ReportR: An RShiny Application

- What is it?
 - Self-contained app to clean, analyze, and visualize data
 - How does it work?
 - User inputs a standardized data extract (e.g., .xls downloaded from electronic health records)
 - App generates a (customizable) Word document with summary tables, figures, and text describing epi trends
- App is called by a single click, and all data remain local to the user's computer

Point & Click Interface



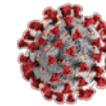
COVID ReportR: A COVID-19 Reporting Application

Overall Labs xls File:
 No file selected

Text Indicating Positive Result

Text Indicating Negative Result

Name of service unit (for report)



COVID ReportR: A COVID-19 Reporting Application

Overall Labs xls File:
 No file selected

Select desired reporting level

Service unit level report

Service Unit

Tribal level report

Tribe

COVID ReportR: Surveillance Report Output Example

**** Simulated data ****

Surveillance Report for TRIBAL NATION, 2021
 *SIMULATED DATA - This cover sheet manually updated

This is the Y1th surveillance report from My Simulated Fa data analysts and interpretations of data shared by My Site are the summary observations that may help guide the plan.

1. The number of COVID-19 cases in the past 14 days is pending tests for the past 14 days. **Case counts ahead of increase.**

2. There is an **increase** in SARS-CoV-2 test positivity (p-
 3. Percent positivity is **>20%** which may indicate **inadequate availability/capacity**.

Available data analysts demonstrate the following gating decisions **ARE NOT met** (as below)

1. Downward trajectory (or near-zero incidence) of the period
 2. Downward trajectory (or near-zero percent positivity) of total tests over a 14-day period (flat or increasing)
 3. Test availability such that percentage of positive tests

Recommendations [CUSTOMIZE BELOW]

The reopening plan recommends a limited reopening of essential gathering to less than 10. The following reopening context and it is hoped that this will result in flattening the during reopening.

1. Continue to monitor trends in cases and percent positive decisions
 2. Implement enhanced surveillance to ensure early case management and rapid community level testing.
 3. Intensity communication efforts to communities to stay and make routine the behaviors of physical distancing and face coverings.

Surveillance Report No. YY
 My Facility (Simulated Data)

Executive Summary: Data through 2020-11-05 for TRIBAL NATION (Simulated Data)

Last 7 days		
New COVID-19 Cases	New COVID-19 Tests	Percent Positivity
2	6	33.3%

Over the last 14 days...
 The number of new cases is: very low
 The percent positivity is: increasing
 Most new cases were in ages: 5 - 18, 40 - 49, 60 - 69, 70 - 79

Newly identified COVID-19 cases since the epidemic began

Surveillance Report for TRIBAL NATION, 2021
 *SIMULATED DATA - This cover sheet manually updated

This report was last updated 2021-01-13. Data are current as of 05:30, and so any test results or orders were not updated in the system will not be included.

A few summary statistics for the entire service unit are:

- Overall, there have been 4054 SARS-CoV-2 tests on 3232 individuals and including tests run as part of
- Considering tests run as part of the same algorithm have been 2259 completed testing events ordered
- As of 2020-11-05, there have been 667 positive COVID individuals tested at My Simulated Facility.

The same summary statistics for the selected tribe(s) [T]

- Overall, there have been 553 SARS-CoV-2 tests on 523 individuals and including tests run as part of
- Considering tests run as part of the same algorithm have been 523 completed testing events ordered
- As of 2020-11-05, there have been 146 positive COVID individuals tested at My Simulated Facility.

The remaining results in this report are shown for the 4

Key Figures

The following analyses are for the patient population of Changes in newly identified COVID-23 cases

Overall, cases appear to be very low. It is important to look from the past 14 days that still have pending results, in

The graph below shows the number of new COVID-19 cases along with the moving 3-day average (red line) and the 14 days is shown after the vertical dotted line, with the caution should be exercised when looking at the grey test results.

A second graph shows just the results for the past three trends easier as time goes on.

Analyses of COVID-19 Data from My Simulated F

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Newly Identified COVID-19 Cases by Day

Newly Identified COVID-19 Cases by Day Past 3 months

Changes in percentage of SARS-CoV-2 tests positive

Overall, percent positivity appears to be increasing among the 7 days, average unsmoothed percent positivity was 21.7% and number of tests was 1. Over the past 14 days, the average was 20.8% and the smoothed average daily number of tests was 2

Below we see the total number of tests ordered by day of collection the 3-day average percent positive by day of collection (blue percent positive (blue line). The past 14 days can be seen as a line. The past four days are shown in grey. Caution should be results during the past four days due to pending tests.

Another graph for the past 3 months is shown below this, to time goes on.

Number of SARS-CoV-2 Tests and Percent Positivity by Day

Number of SARS-CoV-2 Tests and Percent Positivity by Day Past 3 months

Percent Positivity by Month

Months	All
Jul 2020	34.0
Aug 2020	26.5
Sep 2020	21.6
Oct 2020	28.2
Nov 2020	58.0

Cases by Age

The figures below illustrate the age distribution of individuals with lab-confirmed COVID-19. These results are based on an individual's age of first confirmed COVID-19 diagnosis.

The median age of cases is 68 years. The minimum age of cases was 5, and the maximum age was 100 years.

Age Distribution of Cases by Month



Increasing Testing Capacity in Remote Areas



Deployment Spotlight: Increasing COVID-19 Testing in Remote Areas

BinaxNOW Testing

- Objectives for BinaxNOW deployments:
 - Reduce testing delays
 - Gather data from BinaxNOW rapid tests
 - Provide technical assistance to communities and Indian Health Service (IHS)
 - Determine feasibility of deploying antigen tests in field settings



Google Images

Health Communications Support



Deployment Spotlight: Shoshone Bannock Health Communications Support



Resources for Tribal Communities

The Tribal Support Section has prioritized creating print materials and social media messaging featuring imagery more resonant with American Indian/Alaska Native (AI/AN) cultures. Many of these are in development.



For Tribal Community Members and Leaders

Multi-generational and Shared Housing

Social distancing and coping for tribal communities

Tribal Funeral and Burial Practices

Pets and Other Animals

People Who Need to Take Extra Precautions

Coping with Stress and Anxiety during COVID-19

Reducing Stigma

Caring for Children

FAQs for Correctional and Detention Facilities

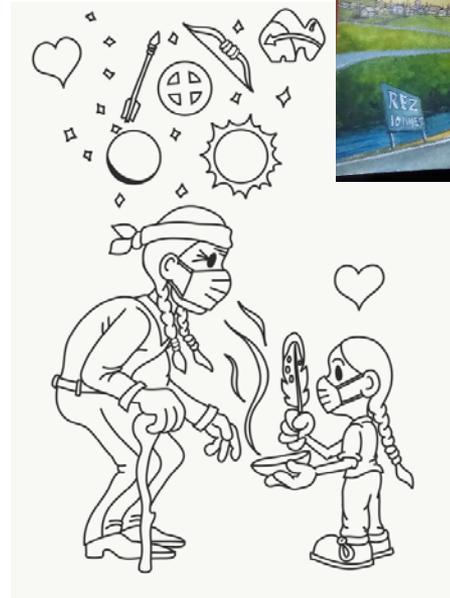
COVID-19 General Frequently Asked Questions

COVID-19 Resources for Tribes



Spotlight on Coloring Book

- Designed specifically for AI/AN-identified children and their caregivers.
- Addresses COVID-19 and mitigation measures in child-friendly terminology.
- Based on *Eagle Book* series and characters.
- Large and wide outreach to Native-serving organizations.
- Additional downloadable coloring and activity pages will be available.



How Can We Help?

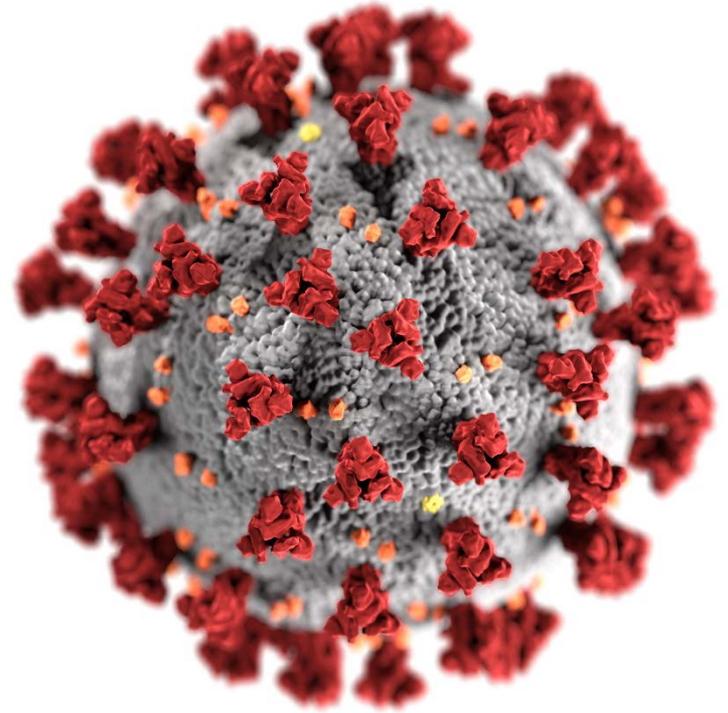
CDC Tribal Support Unit

eocevent362@cdc.gov

Or visit

www.cdc.gov/coronavirus/2019-ncov/community/tribal/index.html





For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

