SCAHC
COVID19 Update
August 30th, 2021
San Carlos Apache Tribe Council Meeting
Current Situation

- 4,661 Total Positive Cases from testing at SCAHC (since May 27, 2020)
- Average # of Positives per day:
  - Week Aug 21\textsuperscript{th} – Aug 27\textsuperscript{th} \textbf{30.9} per day (Graph on slide comparing week to week)
- 236 Total Active cases (4,368, Recovered)
- Total Test done for the last 10 Days:
  - 1991
- Total COVID-19 positive for the last 9 Days:
  - 245
- Positivity for last 9 days: 12.3% - like to see below 10% (last week was at 18%)
Current Situation – Cont.

• **Inpatients** (9 – 6 Medical and 3 COVID-19)
  • Capacity – 18 patients
    • 386 Patients Admitted with COVID-19 to SCAHC
    • 231 Patients Transferred to outside hospitals
    • 13.2 % admission rate (*March 15, 2021 – was 14.7% - decrease of 1.5%*)
    • 1.3 % death rate – (57) tested at SCAHC and living on the reservation
    • 1.4% death rate – (68) includes tested at SCAHC and those tested off-reservation-who live on the reservation (*death rate was 1.7% - decrease of 0.3%*)

• **Summary of Current Inpatients with COVID-19**
  • Started testing all patients being admitted to Inpatient at SCAHC for COVID-19
  • 3 currently one inpatient at SCAHC with COVID-19
## DATA COMPARISON: Hospitalizations and Death Rate

### May 27, 2020 – May 31st, 2021
- Total COVID Positive: 4055
- Admitted to SCAHC: 370
- Transfer to Higher Level: 229
- Hospitalization Rate: 14.8%
- Death Rate: 1.7%

### June 1, 2021 – Current
- Total COVID Positive: 606
- Admitted to SCAHC: 16
- Transfer to Higher Level: 2
- Hospitalization Rate: 3.0%
- Death Rate: 0
Current Situation – Cont.

- Arizona Bed Availability (steady for past several weeks):
  - Medical/Surgical: 846
  - ICU: 64
  - Ventilators: 1,534
Update – COVID Testing and Lab COVID Testing – 24/7 in Outpatient Clinic and ED
COVID-19 Testing

Current Testing supplies:

Rapid PCRs:  
- **1488** due to arrive 8/30/21, but short expiration date of 9/9/21  
  All orders are on allocation/backorder

BinaxNOW:  
- **4800** in warehouse  
  **Approx. 3200** with DHHS  
  Backordered until September

LabCorp: **10,000** viral media swabs  
- **No shortage**, but **turn around times may increase** with increased volumes (2-4 days)

Rapid PCR at Southside and ED (Preferred strategy)  
Quick turn around time helps guide treatment

Contingency Plans:  
A. due to low supply/availability of Rapid PCR tests  
  2 swabs:  
  1) BinaxNOW at Southside  
  2) LabCorp send out (2-4 days)

B. Due to supply constraints of BinaxNOW (currently on back order until September)  
  Use LabCorp send outs
IMPROVEMENTS MADE TO SOUTH TESTING PROCESS

- CNO Shadowed the Team
- Identified Roles
- Roles were defined with tasks
- Roles were assigned each day
- Signage was created for the Team (change PPE each group)

Changes include:
- Labels for each patient (more time efficient)
- Provider was given a patient label for positive patients
- Lead RN and positive/negative RN
- Created a roster for positive patients
- The main roster included time of arrival, to easily track how long individuals are waiting and follow-up
COVID 19 Positives - Average per day by week Avg
Rolling average positives per day for 14 days
SCAHC
Inpatient Census
July 27, 2021 - August 27, 2021
### Age Range

<table>
<thead>
<tr>
<th>Age Range</th>
<th>Total</th>
<th>Fully Vaccinated</th>
<th>Variant</th>
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<tr>
<td>&gt;65</td>
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<td>13</td>
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Total: 132
Districts

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<thead>
<tr>
<th>District</th>
<th>Total</th>
<th>Fully Vaccinated</th>
<th>Variant</th>
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</thead>
<tbody>
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<tr>
<td>Peridot</td>
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<td>7MW</td>
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<td>41</td>
<td>4</td>
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<tr>
<td>Bylas</td>
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<td>43</td>
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<tr>
<td>Other</td>
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<td>22</td>
<td>2</td>
</tr>
</tbody>
</table>

Legend: Total, Fully Vaccinated, Variant
Total cases of Covid-19 from August 1 – August 30: 510 Positives
  Fully vaccinated: 231
  Admitted inpatient: 8
    Unvaccinated: 6
    Fully vaccinated: 2
  Transferred to another facility: 9
    Unvaccinated: 5
    Fully vaccinated: 4 (3 unrelated to COVID)
Reinfections: 115 (includes breakthroughs and not vaccinated)
  Delta is primary variant: 8
  Gamma variant: 1

The vaccine is effective.
  Although some had breakthroughs and are symptomatic, the symptoms are less severe (mild) and recovery appears to be quicker.
COVID 19: VACCINATION Update
Most of the doses given since 8/16/21 have been 3\textsuperscript{rd} doses: \textbf{981 total 3\textsuperscript{rd} doses given}
- 247 total breakthrough cases (i.e., >2 weeks after completed vaccination)
- **91% (225 cases) of breakthrough cases occurred in AUGUST → DELTA variant**
  - 91/247 occur 7 months+ (37%)
  - 68/247 occur 6 months+ (28%)
  - 41/247 occur 5 months+ (17%)
Herd Immunity Plan
Thru Saturday, August 28, 2021

- Total Population: 16,774
- *Population on the Reservation: 13,500
- Herd Immunity for the Population: 10,800
- Total Tribal members vaccinated: 6,333
- TM Vaccinated + TM Recovered including Children = 10,261
- 95.01% (goal of 100 %) of the Tribal Herd Immunity Population of 10,800
- Target for the number to be vaccinated is = 539
- Percent total of the Adult SCAT members vaccinated (16 yrs. and above) = 75.5%
- Percent total of all SCAT members vaccinate (12 yrs. and above) = 73%

Note: Based upon estimates for Tribal members on reservation
Vaccine Available at Hospital Vaccine Clinic 9am-1pm and 1:30pm – 5pm. CWHC 9am-1pm and 2pm-3pm. ADDITIONAL DOSES STARTED 8/16/21.

- 3rd dose started for Immuno-compromised patients
- Calling patients with immuno-compromised, chronic conditions for additional 3rd doses
- Successful Drive Thru Vaccination Clinic – 99 does given yesterday, 8-29-21
COVID-19 Vaccines for Moderately to Severely Immunocompromised People

People who are moderately to severely immunocompromised (when the immune system is weaker than expected) are especially vulnerable to COVID-19 because they are more at risk of serious, prolonged illness.

CDC recommends that people with moderately to severely compromised immune systems who have completed the mRNA COVID-19 series receive an additional dose to better protect themselves. The additional dose of mRNA COVID-19 vaccine must be administered at least 28 days after the 2nd dose (Pfizer & Moderna).

Should you have the following health conditions, please consider receiving an additional dose:

- Transplants
- BMI over 35
- Chronic Lung Disease
- Chronic Kidney Disease
- Heart Disease
- High Blood Pressure
- Auto immune disease (i.e. arthritis)
- Individuals 55 years of age and older.

For information please call 475-1310
Youth Vaccinations

EUA for 12-15yo started 5/13/21 PFIZER (Moderna EUA approval 12-17yo pending)

- School PopUps
  - San Carlos Middle school, Mt. Turnbull, High schools in SC, Ft. Thomas, Hayden
- Youth Vaccine Education sessions
- Back-to-school Physicals

Community Events

- Bylas Firework celebration  * Bylas Exhibit hall
- Elders luncheon            * Job Fair
- Ballparks (Belvado, 7-mile) * Sports tournaments (Volleyball, softball, basketball)
- Continued Door-to-Door     * Boys & Girls club

No serious adverse events reported to date
Dr. Darragh
Chief Medical Officer
Update
Arizona COVID-19 Positive Patients: March 2020 to August 29, 2021

*Illnesses in the last 4-7 days may not be reported yet*
Delta Variant – 99% in the state of AZ

Vaccine Breakthrough cases – since August 1\textsuperscript{st}, 2021 230 cases – 3.6 percent of vaccinated patients

- What does this mean?
- Disease has changed hospitalization rate was 14.8% at onset of the pandemic until May 31, 2021 and now is 2.7% which is an 82% reduction in hospitalizations
- The death rate at the onset of pandemic was 1.7% until May 31, 2021 and now the death rate is zero percent.
- Vaccines are working very, very well in reducing symptomatic disease, hospitalizations and death
Our vaccine efficacy is decreasing for patients who have been vaccinated over 6 months ago and those who are exposed to the Delta variant.

Incidence of vaccine breakthrough increases with time since the individual has been vaccinated because of decreasing antibody levels.

Incidence of vaccine breakthrough has also increased with the Delta variant as this variant is much more infectious.

Data at San Carlos:

- 91% (225 cases) of breakthrough cases occurred in AUGUST → DELTA variant
  - 91/247 occur 7 months+ (37%)
  - 68/247 occur 6 months+ (28%)
  - 41/247 occur 5 months+ (17%)
Benefit of a Booster Dose:

- Antibody levels increase significantly with a 3\textsuperscript{rd} dose (Pfizer/Comirnaty and Moderna) after two weeks.
- This will decrease the incidence of breakthrough infections in two weeks.
- If we give a booster to the 2027 eligible patients over the age of 55, this would decrease our risk to 15\% of the population, which are our highest risk patients.
- If we are able to give a booster vaccine to our patients with co-morbidities between the ages of 25-55 this would give a booster to an additional 1,450 patients. This is an additional 11\% of the population.
Vaccine Strategy

- Rapidly protect 26% of the population with booster vaccines
- Urge the 1,394 unvaccinated patients between the ages 25-54 to come in and get their primary vaccine dose.
- Urge the 1,558 patients incompletely vaccinated need to come in for a second vaccine as the data is clear that protection against the Delta variant is insufficient with a single vaccine dose.
Plan and Recommendations

Plan:
- Continue with: Southside Testing Area – 7 AM to 5 PM daily and East Side Testing area 24 hours
- Hiring additional RNs, MAs and NPs – to assist in Testing Area and Public Health visits to COVID-19 Patients
- Continue vaccination clinics with additional vaccination pop-ups, including schools
- Continue with 3rd dose of vaccine – Moderate to Severe Immunocompromised People

Recommendation:
- Continue with aggressively vaccinating all Tribal Members Eligible
- If you are having a gathering consider requiring vaccination card for attendance
- Wear Mask, especially indoors – Delta Variant is very contagious
Photo is of SCAHC Board Chairman, Steve Titla & Chief Medical Officer Dr. Darragh. They will be bringing a weekly update to the community by way of the radio. Their first update featured different types of C19 testing, their benefits, and how SCAHC uses them. Next one will include info on vaccination breakthrough.
COVID-19 VACCINES WORK

COVID-19 vaccination reduces the risk of COVID-19 and its potentially severe complications. While COVID-19 vaccines are working well, some people who are fully vaccinated against COVID-19 will still get sick, because no vaccines are 100% effective. These are called vaccine breakthrough cases. mRNA COVID-19 vaccines have been shown to provide protection against severe illness and hospitalization among people of all ages eligible to receive them. This includes people 55 years and older who are at higher risk of severe outcomes from COVID-19.

FOR YOUR VACCINE QUESTIONS, PLEASE CALL 475-1310

HAPPY LABOR DAY

IN OBSERVANCE OF THE HOLIDAY

Monday, September 6, 2021
Peridot Izee’ Baa Gowáh and Clarence Wesley Health Center clinics will be CLOSED

SCAHC wishes all of our patients and their families a safe and enjoyable Labor Day Weekend
The Emergency Department and Inpatient Unit are always open to serve you, 24-hours a day
Normal business and clinic hours will resume on Tuesday, September 7