

Cochise County BOS Work Session

COVID-19 Overview



Cochise Health and
Social Services

9/10/2021

COVID-19 Work Session 9/10/21 | Agenda

Welcome and Opening Remarks – Alicia M. Thompson, DrPH, MSW

COVID-19 Trends – Martha Montaña, MPH

- **Case Counts**
- **Breakthrough Cases**

Vaccine Overview – Nathalie O'Shea

School Update – Daniel Williamson, MPH

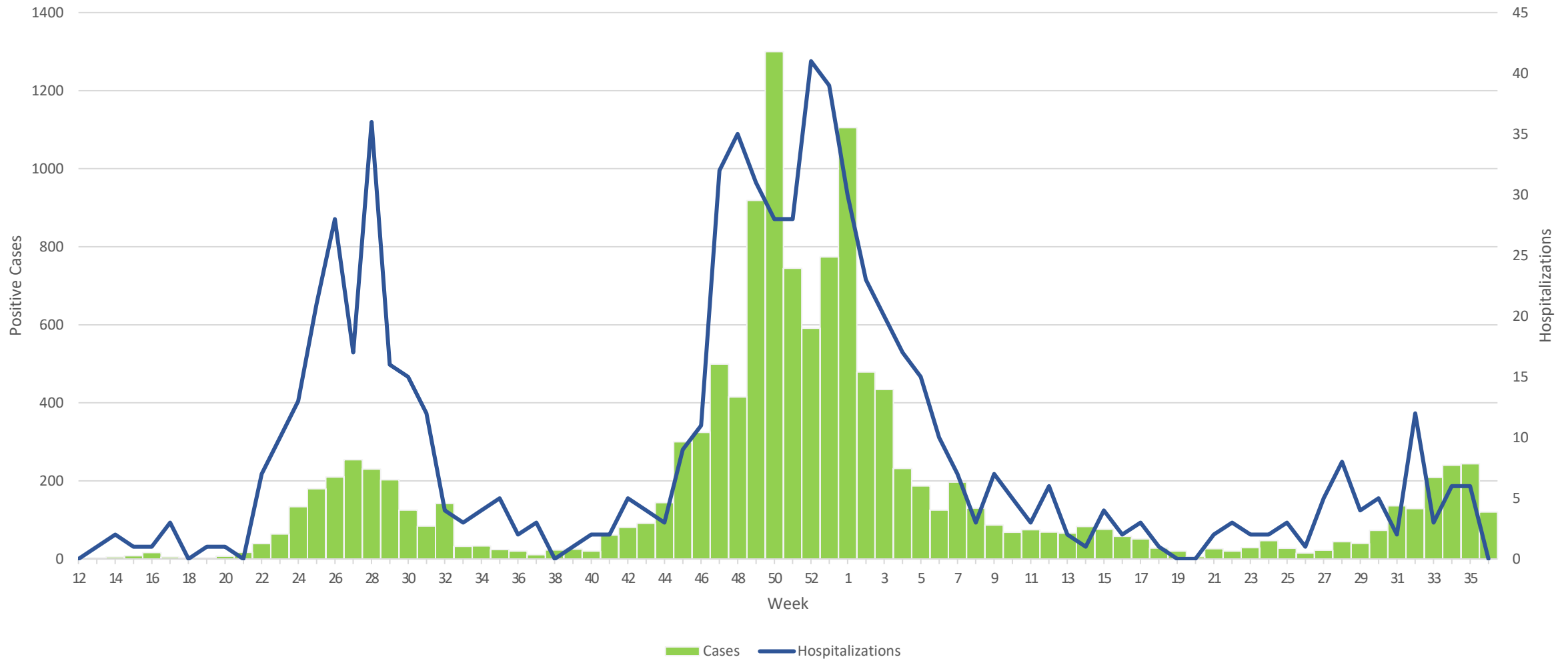
New Research on the Efficacy of Surgical Masks – Nathalie O'Shea

Q&A - BOS

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COVID-19 Trends

Cases and Case Hospitalizations by MMWR Week 36



As 9/9/2021 for Cochise County

Confirmed cases: 13,456
Hospitalizations: 793 (6%)
Deaths: 307 (2.3%)

Age groups:

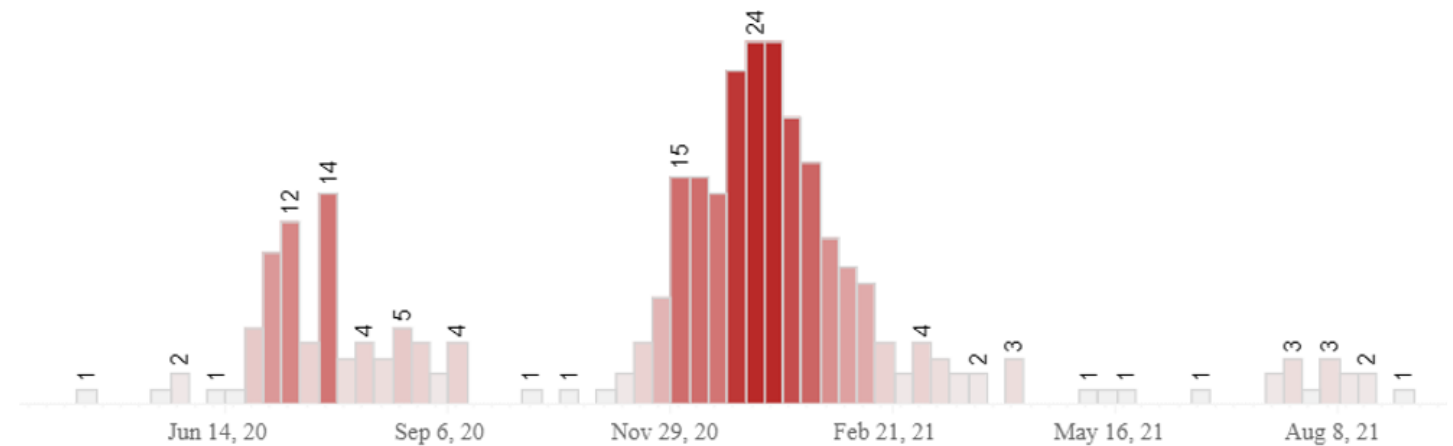
40% 20-44 age group
53% of this group is fully vaccinated

Gender:

Male 52%
Female 48%

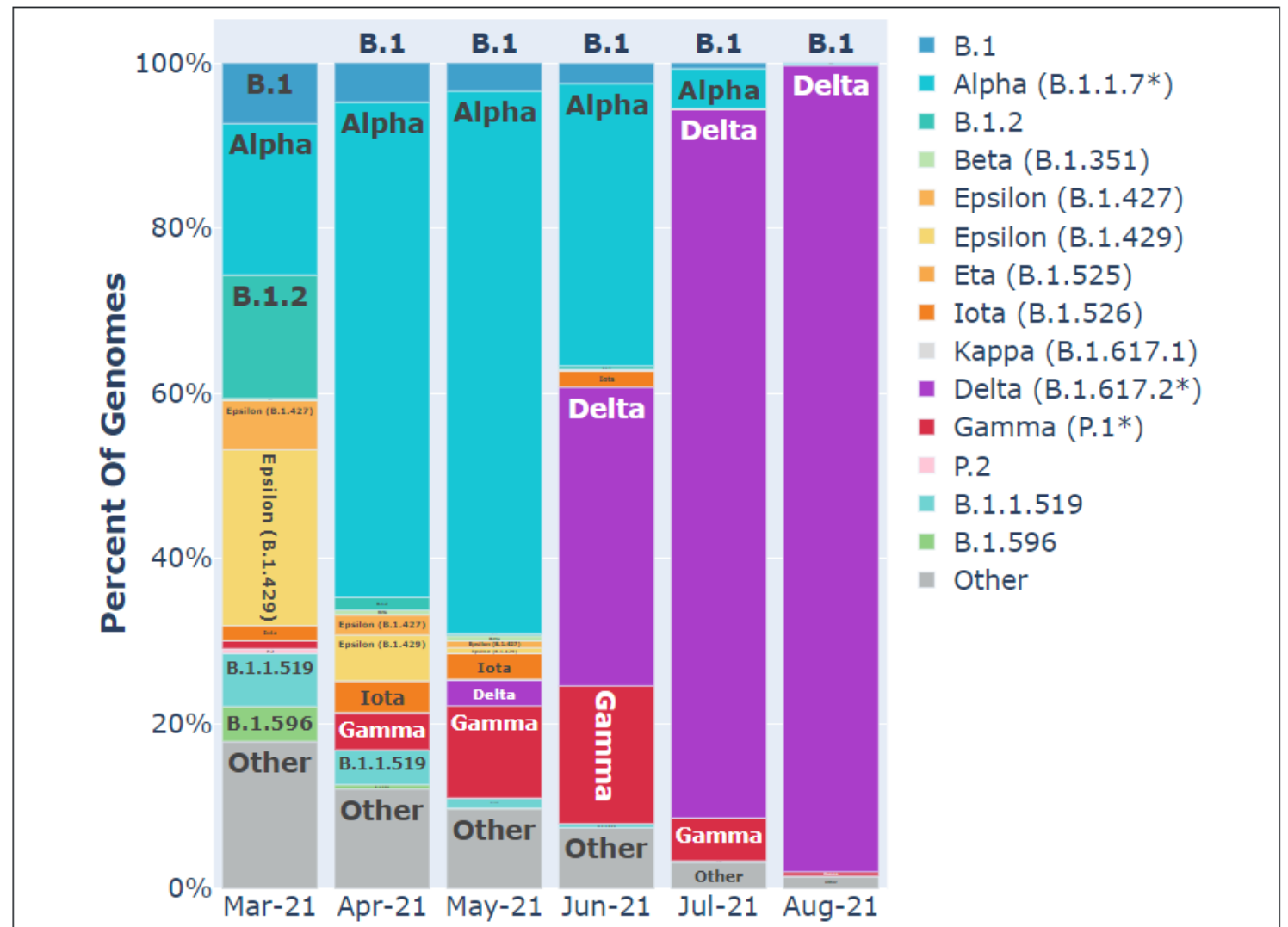
Fatalities in Cochise County

Date of death (by week) | County = Cochise



Variants in Arizona Covid-19

Variants in Arizona Genomes



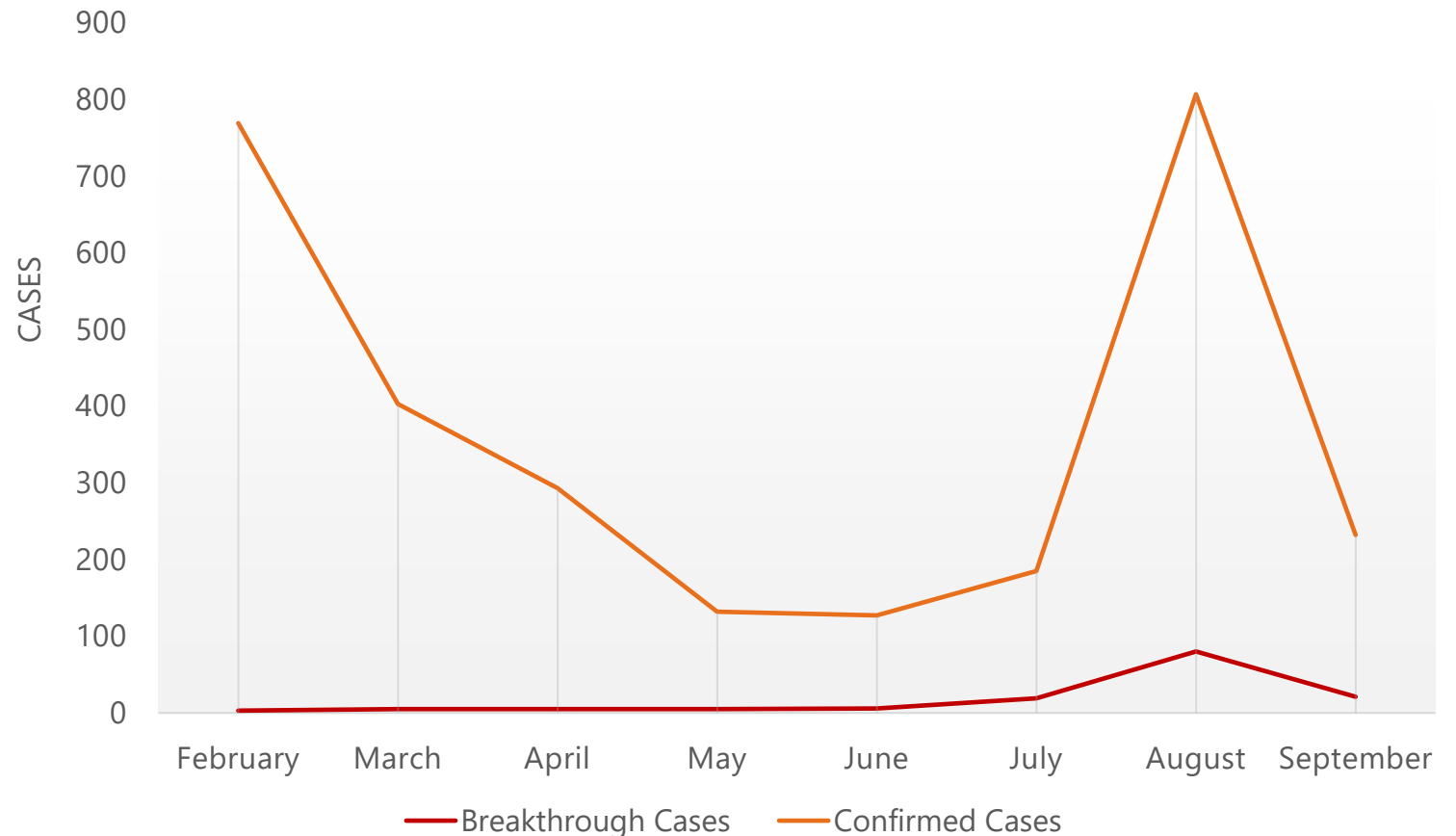
As of 9/9/21

Breakthrough Cases in Cochise County

Month	Breakthrough Cases	Confirmed Cases
February	3	769
March	5	403
April	5	293
May	5	132
June	6	127
July	19	185
August	80	807
September	21	232
Total	144	

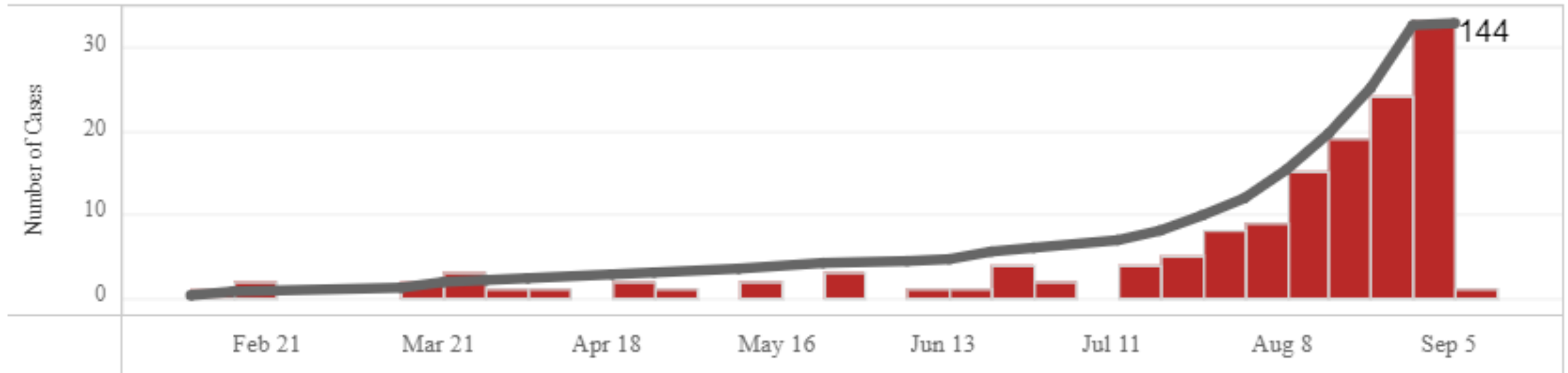
A vaccine breakthrough case is a Arizona resident who has SARS-CoV-2 RNA or antigen detected on a respiratory specimen collected ≥ 14 days after completing the primary series of an FDA-authorized SARS-CoV-2 vaccine.

Confirmed and Breakthrough Cases by Month



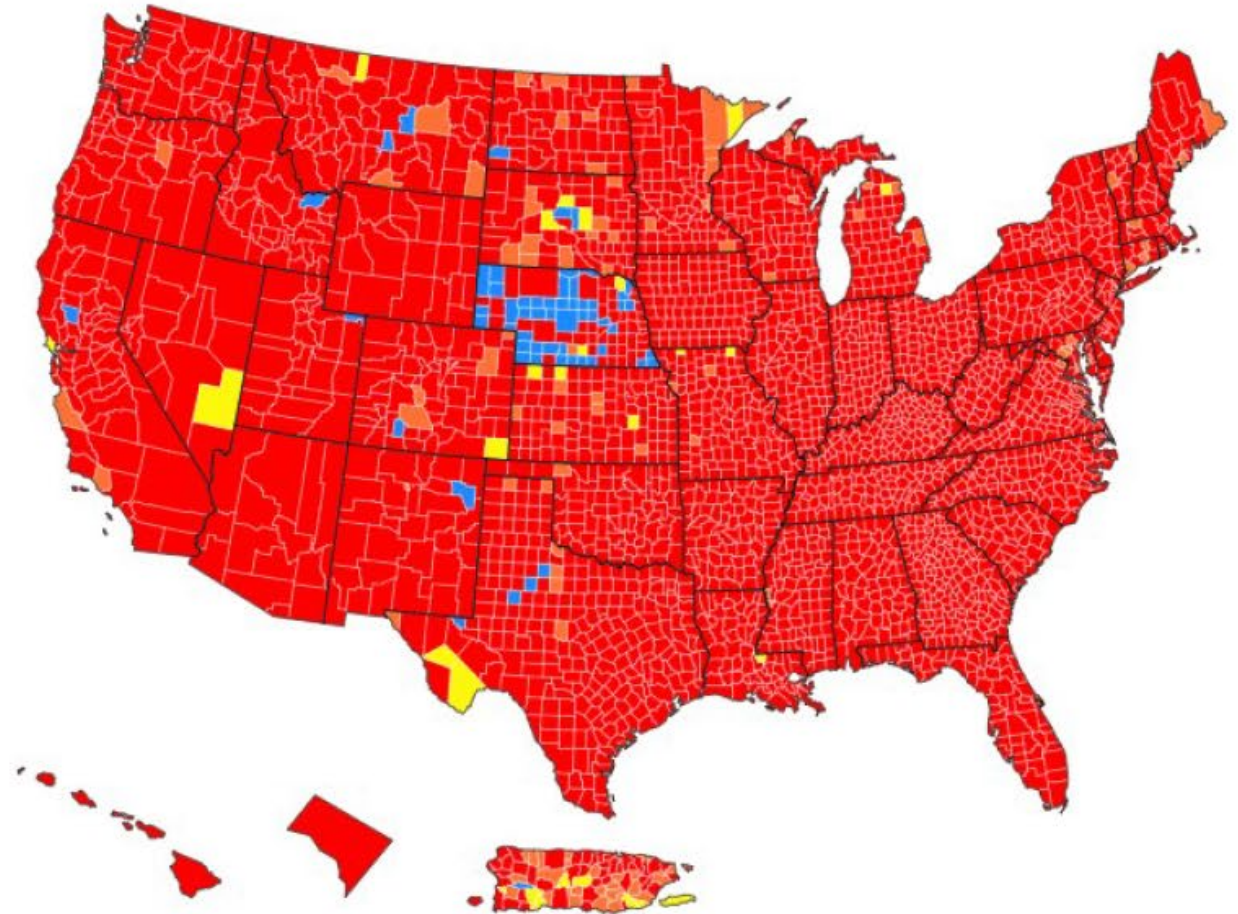
Vaccine Breakthrough Cases: Cochise County 144 out of 61,115 Fully Vaccinated (< than 1%)

Number of Breakthrough Cases per Week



LEVEL OF COMMUNITY TRANSMISSION

● High ● Substantial ● Moderate ● Low ● No Data



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Vaccine Trends

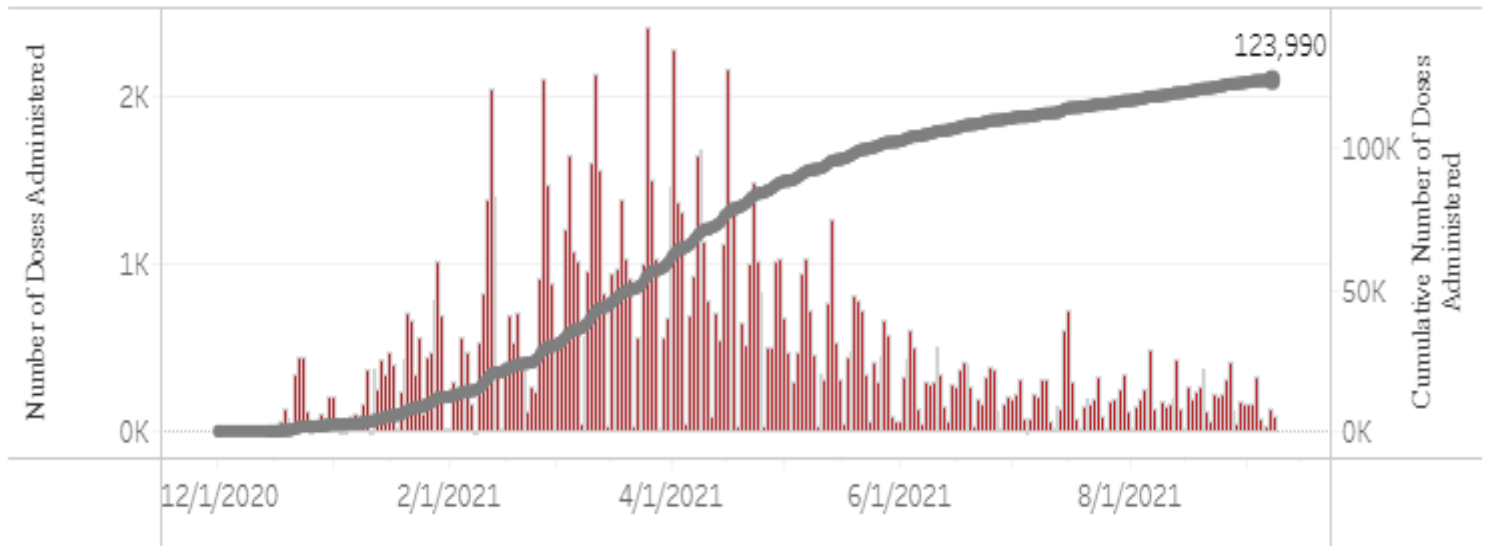
As of 9/9/21

Administered: 123,990

Percent people vaccinated: 53.1%

Number people Fully vaccinated: 61,115

The number of doses administered by administration date (■ cumulative sum ■ doses by day)

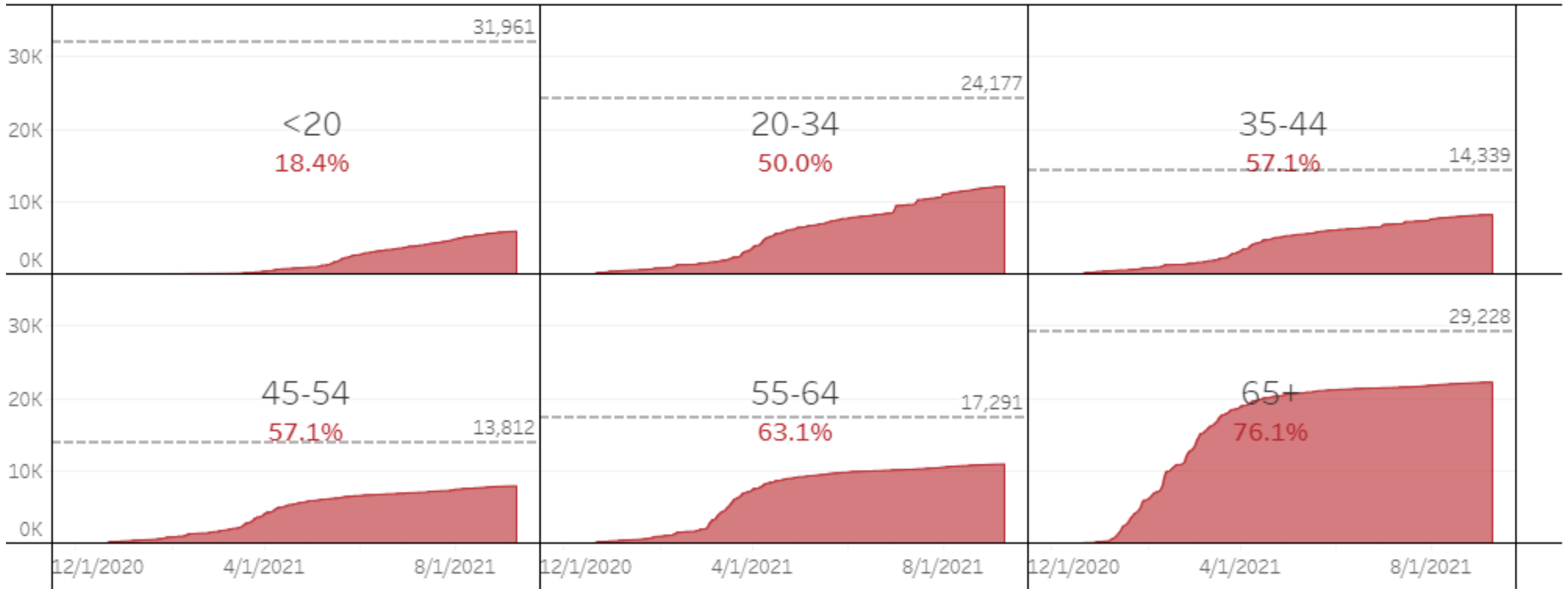


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Vaccine Trends

As of 9/9/21

Vaccination Rates by Age Group



Data updated: 9/9/2021

Availability

- There are more options for people than ever before
- Getting calls about boosters?
 - Direct the individual to their primary care provider to determine eligibility
 - Find vaccines:
 - <https://www.vaccines.gov/>
 - <https://podvaccine.azdhs.gov>
 - <https://www.cochisecovid.com/pages/vaccines>

Number of Schools with Outbreaks

- As of 9/8/21, there have been a total of **243** known positive COVID-19 cases associated with the schools since the beginning of the semester.
- **24** schools are currently meeting the outbreak definition.
- Most schools have been diligently communicating their situations with CHSS, performing contact tracing, and issuing quarantine instructions for exposed students and staff.

Efforts to Work with Schools

- ADHS is offering a pooled testing program at no cost to all schools in the state. Cochise has only one charter school that has signed up for the program.
- A letter to parents has been created to inform them of the seriousness of the Delta variant and the importance of properly following isolation and quarantine guidance.

Masking

- Two school districts, and several charter schools, currently have a mask mandate in effect. This will likely end on September 28th when H.B. 2898, the bill banning the ability to require masking on campus, goes into effect.

Quarantine Guidance

Criteria 1

- At least 10 days have passed since they were exposed to COVID-19; **AND**
- Remain symptom free for that 10-day period; **AND**
- Will continue to monitor for signs and symptoms and adhere to mask usage and social distancing for a total of 14 days post exposure.

Criteria 2

- At least 7 days have passed since they were exposed to COVID-19; **AND**
- Your child tests negative for COVID-19 at least five days after the exposure date; **AND**
- Your child has been symptom free for that seven-day period; **AND**
- Will continue to monitor for signs and symptoms and adhere to mask usage and social distancing for a total of 14 days post exposure.

Criteria 3

- A full 14 days has passed since exposure; **AND**
- Remain symptom free

-
- **If the exposed person is fully vaccinated and symptom free, they do not need to quarantine. However, it is recommended that individuals receive a COVID-19 test 5 days after exposure and continue to wear a mask.**
 - **If the exposed person has had a prior COVID-19 infection within the last 90 days, and it is documented, they do not need to quarantine if they are symptom free.**

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The Impact of Community Masking on COVID-19: A Cluster-Randomized Trial in Bangladesh

Summary: A randomized-trial of community-level mask promotion was conducted involving 342,126 people across 600 villages in rural Bangladesh from November 2020 to April 2021 shows that the intervention tripled mask usage and reduced symptomatic SARS-CoV-2 infections, demonstrating that promoting community mask-wearing can improve public health.

Study: Mask promotion strategies were randomized at the village level, including cloth vs. surgical masks. Intervention villages received free masks, information on the importance of masking, role modeling by community leaders, and in-person reminders for 8 weeks. Control villages receive no intervention.

Results of Intervention:

- Tripled mask usage, from only 13% in control villages to 42% in villages where masks were distributed.
- Masking was associated with a reduced symptomatic seroprevalence by roughly 10%.
- The intervention increased mask use by roughly 30%. Physical distancing was increased by roughly 5%.
- The study's authors found that surgical masks — but not cloth masks — reduced transmission of SARS-CoV-2 in villages where the research team distributed face masks and promoted their use.
- The data show that even after 10 washes, reusable surgical masks filter out 76% of small particles capable of airborne transmission of SARS-CoV-2.

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Q & A / Comments

QUESTIONS/COMMENTS?