

Cochise County BOS Work Session

COVID-19 Overview



Cochise Health and
Social Services

11/5/2021

COVID-19 Work Session 11/5/21

Agenda

Welcome and Opening Remarks – Vicky King, MSN, RN, CHSS

COVID-19 Trends

- **Case Counts** — Martha Montano, CHSS Lead Epidemiologist
- **Breakthrough Cases** — Martha Montano, CHSS Lead Epidemiologist
- **Vaccine Overview** — Vicky King

COVID 19 Test- Martha Montano, CHSS Lead Epidemiologist

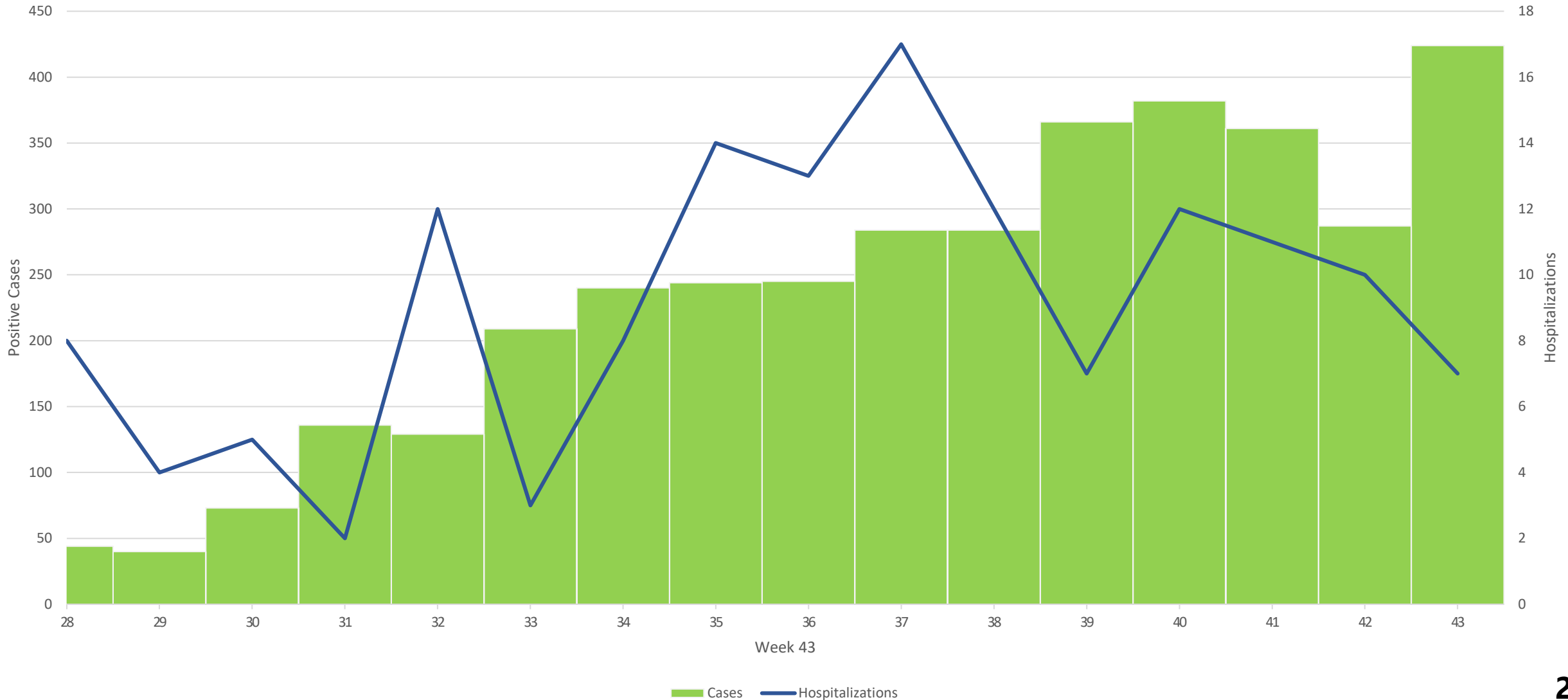
School Update – Daniel Williamson, MPH – School Epidemiologist

Q&A - BOS

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Cases & Hospitalizations

Cases and Case Hospitalizations by MMWR Week



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Cases & CLI ED Visits

Cases and Hospital Visits for CLI by MMWR Week

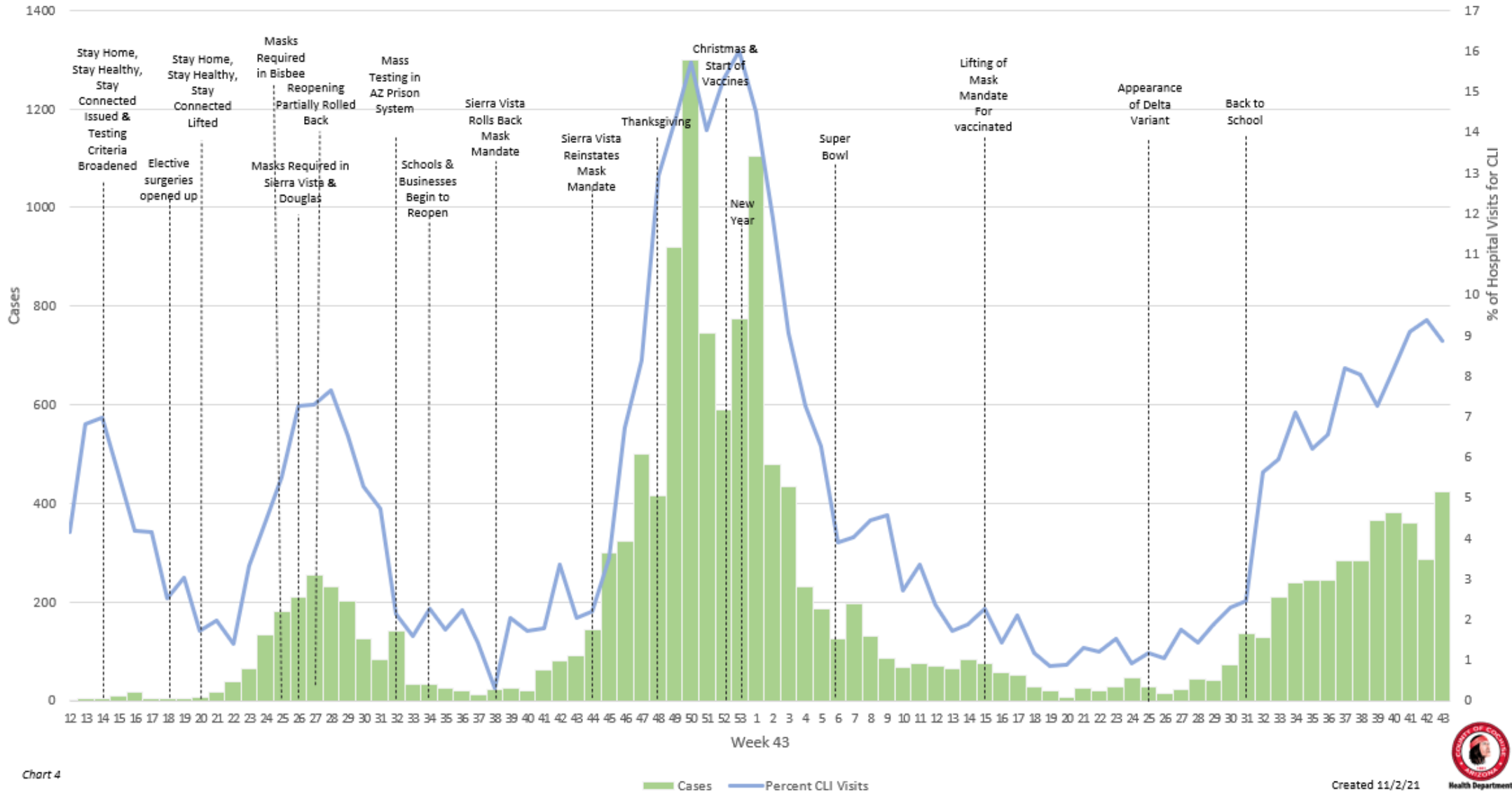
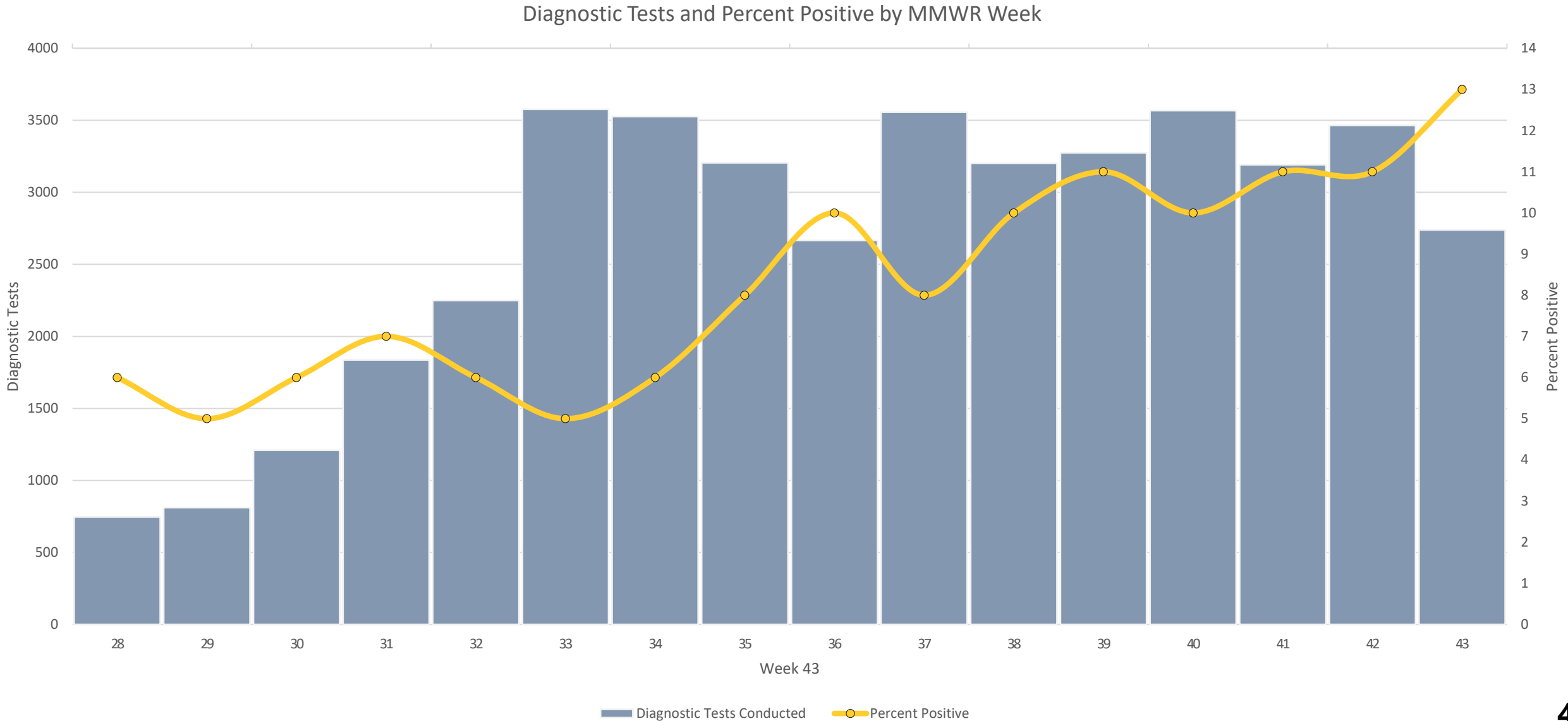


Chart 4



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% Positive



As 11/02/2021 for Cochise County

Confirmed cases:	16,002 (+674)
Hospitalizations:	893 (+21)
Deaths:	345 (+10)

As of 11/03/2021

Breakthrough Cases in Cochise County

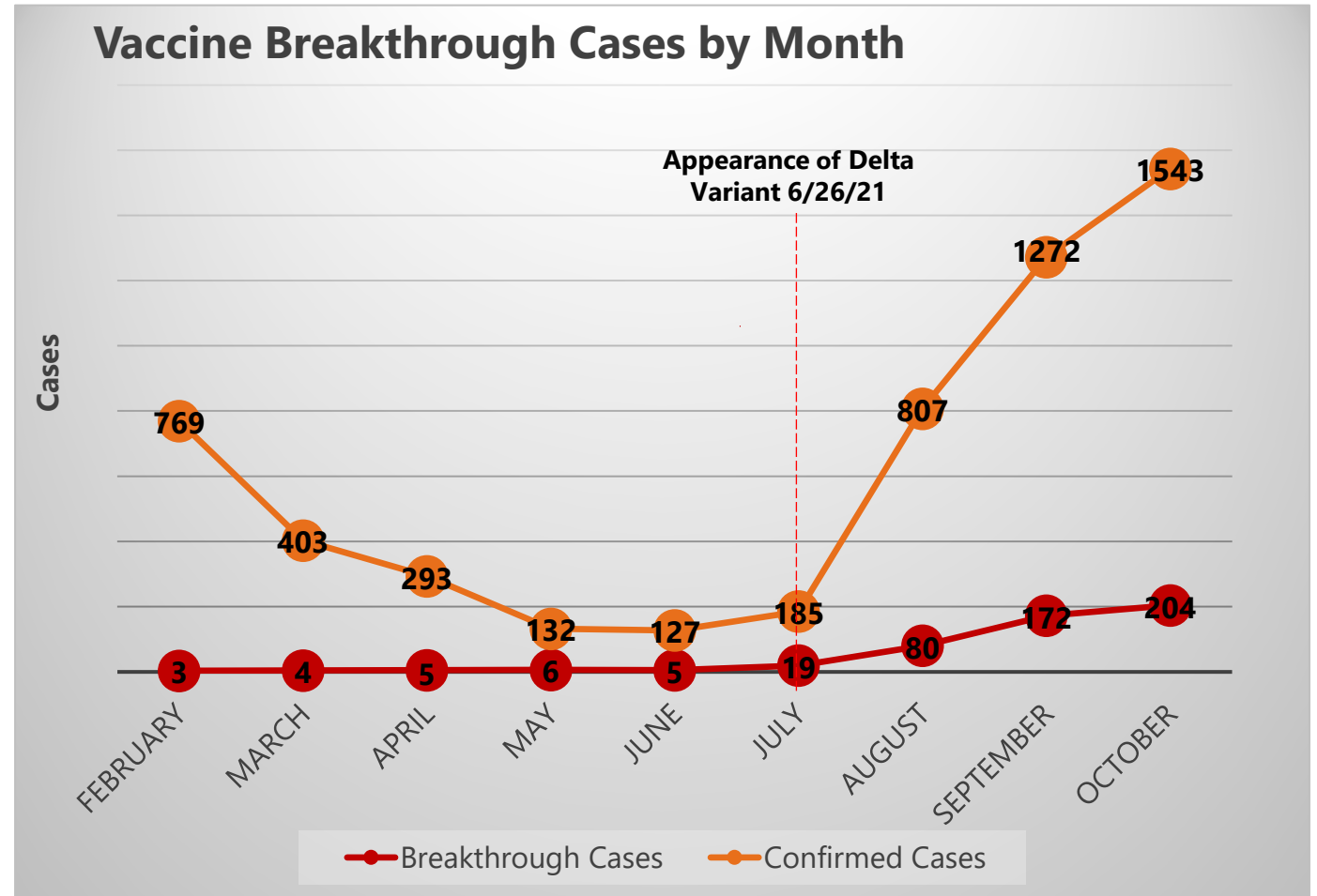
Month	Breakthrough Cases	Confirmed Cases
February	3	769
March	4	403
April	5	293
May	6	132
June	5	127
July	19	185
August	81	807
September	175	1272
October	204	1543
Total	503	

Pre-Delta (before 6/26/2021) vaccine breakthrough:

24 out of **12,211** cases (**0.2%**)

Post-Delta (on or after 6/26/2021) vaccine breakthrough:

479 out of **3,807** cases (**12.5%**) (+0.6%)



A vaccine breakthrough case is an 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.

Cochise County COVID-19 Reinfection Cases

- Total: 54 reinfection cases as of Sept. 2, 2021 (0.4% of cases)
- Increase in reinfection rate after Delta variant (June 26, 2021)
- Differences in characteristics between all cases, cases before Feb. 2021, after Feb. 2021, and after June 26, 2021
- Congregate setting contributing factor among cases
- Vaccination protective but not significant – not enough cases to determine
- Vaccination more protective than natural immunity in other studies as of July 2021:
 - Milne et al., 2021 in *The Lancet*
 - Bozio et al., 2021 in CDC's *MMWR Weekly*

Description	Number	Percent
Median Age at 1 st infection	41	
Median days between infections	153	
Cases with medical conditions	12	22%
Living/working in a congregate setting	18	33%
Fully vaccinated at 2 nd infection	10	19%
Reinfected after Delta variant	13	24%
Reinfected before full vacc. Possible	24	44%
Hospitalized with reinfection	4	7%

Accuracy of PCR and Antigen Tests

Molecular/PCR- High sensitivity and High specificity

- “Gold Standard”

Antigen- High-moderate sensitivity and High specificity

- Sofia Antigen: Sensitivity 80%, specificity 98%
- Abbott Binax NOW rapid antigen: Sensitivity 93%, specificity 99%

Sensitivity: Few false negatives (few missed detection of Covid)

Specificity: Few false positives (few tests incorrectly identifying COVID when the virus is NOT present).

As of 11/03/21 – NOW COUNTY OF RESIDENCE

Vaccines Administered: 133,608 up from 128,763

**Percent of eligible County Residents fully vaccinated:
63,815 divided by 112,195 = 56.9%**

<https://www.azdhs.gov/covid19/data/index.php#vaccine-admin> Cochise County Specific

Definition of Eligible: COVID-19 Vaccine is available for those who are 12 years of age or older, any one 12 years or older is currently considered eligible

Pfizer, Moderna and Janssen (Johnson&Johnson)

ACIP & CDC have approved the Moderna Booster 6 months or more after their initial series:

- Can be a complicated recipe to determine what dose and when someone needs it.
- Moderna mRNA and Janssen vaccines are primarily given in Cochise County
- People who are immunocompromised getting a 3rd dose can be confusing to the public
- The amount of time between last dose and booster dosing can be confusing as well

J & J Booster

ACIP & CDC have approved Johnson & Johnson (Janssen) Booster for the following:

- Those who are 18 and older who had their primary dose
 - A client with one dose is considered fully vaccinated, but a booster is recommended
 - Can get a booster of Janssen at 2 months or greater
 - Could also consider getting a Moderna or Pfizer dose (the vaccines are now approved for mixing of manufacturers)

Moderna Boosters (most prevalent in Cochise County)

- **Those who should receive boosters:**
 - **Aged 65+**
 - **Adults living in long-term care settings**
 - **Adults with underlying medical conditions**
 - **Adults who work or live in high-risk settings**
- **Booster dose is $\frac{1}{2}$ the regular dose and should be given at least 6 months after completion of initial series**
- **Confusion lies in what the initial series is: Normally 2 doses, but immunocompromised is 3 doses.**
 - **For those who had 3 doses, they must wait 6 months after 3rd dose**

Pfizer Boosters

- Same group can have the Moderna Booster
- Full dose is given 6 months after primary series (whether 2 or 3)
- The booster can be either Pfizer or Moderna

Pfizer for 5 to 11 Year Olds

- Dose for 5–11-year-old clients is smaller and comes in different package
- We do not have specific orders from CDC for immunization of children and await CDC standing orders
- These smaller vials have been allocated to CCHSS for dispersing to our county providers
- Unsure at this time of the numbers of children who will get vaccinated

Where to go for your COVID-19 Booster Dose?

- We are happy to schedule Booster doses here at CCHSS
- Not planning on walk in clinics because of the complexity of dosing/booster, rather by appointment
- Would encourage the client to have a conversation with their primary provider as to whether they should have a booster dose and are readily available in clinics
- There are outreach clinics throughout the county
- Partnering with Cochise College to help students get vaccination practice

As of 11/03/21

- **742** school related cases since the start of the semester (8/4/21).
 - Up **152** (+310%) cases from last meeting.
- **3** COVID-19 related pediatric hospitalizations since the start of the semester.
 - **8** total since the start of the pandemic.
- **42/66** schools meeting the outbreak definition.
 - Up **0** schools from last meeting.
- **1/66** school engaged in state funded pool testing.

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Q & A / Comments

QUESTIONS/COMMENTS?