COVID-19
COCONINO
COUNTY WEEKLY UPDATE

Morbidity and Mortality Weekly Report (MMWR)
Week 36 (9/4/2022- 9/10/2022)

COCONINO COUNTY
September 16, 2022
Situation Summary
MMWR Week 36 (9/4/2022-9/10/2022)

A total of 19,955 positive COVID-19 cases have been reported among Coconino County residents from January 1, 2022 – September 10, 2022.

Deaths (2022): 61 (0.3% of cases)
Hospitalizations (2022): 575 (2.9% of cases)
Total Up-To-Date: 43,684 (53.8% of fully vaccinated)

Cases Reported Week 36 (September 4, 2022 - September 10, 2022):

<table>
<thead>
<tr>
<th>New Cases (per 100,000 people in the last 7 days)</th>
<th>Indicator</th>
<th>Low</th>
<th>Medium</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fewer than 200</td>
<td>New COVID-19 admissions per 100,000 population (7-day total)</td>
<td>&lt;10.0 Coconino: 2.8</td>
<td>10.0-19.9</td>
<td>≥20.0</td>
</tr>
<tr>
<td>Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)</td>
<td>&lt;10.0% Coconino: 3.4%</td>
<td>10.0-14.9%</td>
<td>≥15.0%</td>
<td></td>
</tr>
</tbody>
</table>

**CLI is reported using hospital surveillance at the county level. Banner Page and Flagstaff Medical Center are reporting CLI.

Community Levels

Coconino County is currently at a Low† community level.

†The COVID-19 community level is determined by the higher of the inpatient beds and new admissions indicators, based on the current level of new cases per 100,000 population in the past 7 days. For more information about the CDC’s Community Levels see: [https://www.cdc.gov/coronavirus/2019-ncov/science/community-levels.html](https://www.cdc.gov/coronavirus/2019-ncov/science/community-levels.html). Hospital data reported from Flagstaff Medical Center and Tuba City Regional Health Care Corporation.

For Healthcare Facilities: COVID-19 Community Levels do not apply in healthcare settings, such as hospitals and nursing homes. Instead, healthcare settings should continue to use community transmission rates and follow CDC’s infection prevention and control recommendations for healthcare workers.
COVID-19 Situation Summary*

Current Year Cases (January 1, 2022 – September 10, 2022):

- 19,955 Positive Cases
- 124,926 Total Tests
- 31,987 People Tested
- 25.2% Positivity Yield

Weekly Case Counts Among Coconino County Residents:

*Cases reported from 1/1/22-9/10/22
COVID-19 Situation Summary*

Please visit Vaccine Administration at azdhs.gov for additional Coconino County vaccine data.

COVID-19 Vaccinations Among Coconino County Residents:

**Total Vaccinations by Age**

- 1st Dose
- Fully Vaccinated

**Up-To-Date by Race**

- White: 19,220 (48%)
- Native American: 11,199 (28%)
- Other/Unknown: 7,536 (19%)
- Hispanic: 2,228 (5%)

**Total Fully Vaccinated: 81,204**
(56.9% of eligible population)

**Up-To-Date by Sex**

- Female: 22,797 (55%)
- Male: 18,282 (45%)

53.8% of fully vaccinated individuals have received a booster/additional dose

**Weekly Vaccine Counts Among Coconino County Residents:**

- 1st Dose
- 2nd Dose
- Booster/Additional Dose

*Vaccinations reported from 12/01/20-9/10/22
## COVID-19 Situation Summary

### Location:

<table>
<thead>
<tr>
<th>Location</th>
<th>Positive Cases</th>
<th>Case Incidence per 100,000</th>
<th>Positivity Yield</th>
<th>% of Population Up-to-Date on Vaccination†</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flagstaff</td>
<td>13,135</td>
<td>13,699</td>
<td>25.4%</td>
<td>49.3%</td>
</tr>
<tr>
<td>Page</td>
<td>1,018</td>
<td>13,482</td>
<td>30.2%</td>
<td>48.0%</td>
</tr>
<tr>
<td>Tribal Communities</td>
<td>4,762</td>
<td>18,861</td>
<td>27.3%</td>
<td>58.8%</td>
</tr>
<tr>
<td>Williams</td>
<td>341</td>
<td>5,634</td>
<td>24.5%</td>
<td>40.0%</td>
</tr>
<tr>
<td>Grand Canyon</td>
<td>158</td>
<td>6,822</td>
<td>26.3%</td>
<td>43.4%</td>
</tr>
<tr>
<td>Other Areas</td>
<td>541</td>
<td>9,599</td>
<td>23.1%</td>
<td>46.8%</td>
</tr>
</tbody>
</table>

*Cases reported from 1/1/22-9/10/22. †Population estimates include residents aged 5 and older.

Vaccination data of Sedona residents have been excluded from Community calculations due to limitations in identifying residents of Coconino and Yavapai Counties. The removal of this data has resulted in the decrease of fully vaccinated individuals reported.

### Key Take Away

- The highest **case incidence** for week 36 was observed in Tribal Communities with an incidence of 83.2 per 100,000, respectively.
- The **lowest cumulative** percentage of the population **up-to-date** was observed in Williams.

### COVID-19 Cases by Geographic Area

*Cases reported from 1/1/22-9/10/22*
### COVID-19 Situation Summary

**Age:**

<table>
<thead>
<tr>
<th>Age</th>
<th>Positive Cases</th>
<th>Case Incidence per 100,000</th>
<th>Positivity Yield</th>
<th>% of Population Up-to-Date on Vaccination†</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4 years</td>
<td>780</td>
<td>10,049</td>
<td>21.3%</td>
<td>N/A</td>
</tr>
<tr>
<td>5-17 years</td>
<td>2,963</td>
<td>13,323</td>
<td>21.6%</td>
<td>27.7%</td>
</tr>
<tr>
<td>18-24 years</td>
<td>4,192</td>
<td>14,189</td>
<td>20.6%</td>
<td>30.5%</td>
</tr>
<tr>
<td>25-44 years</td>
<td>6,258</td>
<td>17,976</td>
<td>20.4%</td>
<td>40.2%</td>
</tr>
<tr>
<td>45-64 years</td>
<td>4,012</td>
<td>12,825</td>
<td>17.8%</td>
<td>62.4%</td>
</tr>
<tr>
<td>65+ years</td>
<td>1,749</td>
<td>10,299</td>
<td>15.3%</td>
<td>80.7%</td>
</tr>
</tbody>
</table>

*Cases reported from 1/1/22-9/10/22. †Population estimates include residents aged 5 and older. Vaccination data of Sedona residents have been excluded from Age calculations due to limitations in identifying residents of Coconino and Yavapai Counties. The removal of this data has resulted in the decrease of fully vaccinated individuals reported.

The median age of Coconino County COVID-19 cases is 30 years old.

**Key Take Away**

- The highest **case incidence** for week 36 was observed among residents aged 25-44 with an incidence of 78 per 100,000.
- The highest **positivity yield** for week 36 was observed among residents aged 25-44 with a positivity yield of 9.4%.
- The highest cumulative percentage of the population **up-to-date** was observed among residents aged 65+.

![Bar chart showing Age of Positive Cases by Week]

*Cases reported from 1/1/22-9/10/22*
### Race/Ethnicity:

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Positive Cases</th>
<th>Case Incidence per 100,000</th>
<th>% of Population Up-to-Date on Vaccination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native American</td>
<td>6,325</td>
<td>16,470</td>
<td>55.4%</td>
</tr>
<tr>
<td>White</td>
<td>7,297</td>
<td>9,088</td>
<td>61.8%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>2,561</td>
<td>12,312</td>
<td>36.0%</td>
</tr>
<tr>
<td>Black or African</td>
<td>281</td>
<td>11,155</td>
<td>42.0%</td>
</tr>
<tr>
<td>American</td>
<td>327</td>
<td>9,888</td>
<td>49.8%</td>
</tr>
<tr>
<td>Other/ Unknown</td>
<td>3,164</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Cases reported from 1/1/22-9/10/22. †Population estimates include residents aged 5 and older. Vaccination data of Sedona residents have been excluded from Race/Ethnicity calculations due to limitations in identifying residents of Coconino and Yavapai Counties. The removal of this data has resulted in the decrease of fully vaccinated individuals reported.

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### Key Take Away

- **The lowest cumulative percentage** of the population up-to-date was observed in Hispanic residents. The **highest cumulative percentage** of the population up-to-date was observed among White residents.

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### Sex:

<table>
<thead>
<tr>
<th>Sex</th>
<th>Positive Cases</th>
<th>Case Incidence per 100,000</th>
<th>Positivity Yield</th>
<th>% of Population Up-to-Date on Vaccination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>10,877</td>
<td>15,080</td>
<td>24.6%</td>
<td>53.2%</td>
</tr>
<tr>
<td>Male</td>
<td>8,992</td>
<td>12,823</td>
<td>27.6%</td>
<td>47.8%</td>
</tr>
</tbody>
</table>

*Cases reported from 1/1/22-9/10/22. †Population Estimates include residents aged 5 and older

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### Key Take Away

- Although females have a slightly higher incidence of COVID-19 compared to males, females had 37% more tests than male residents in 2022.
- Male residents have higher testing positivity yields.
COVID-19 Situation Summary*

COVID-19 TESTING BY WEEK:

*Percent positivity was calculated using only ELR data due to insufficient reporting.

**Data was changed to display total tests per week rather than number of people tested per week.

COVID-19 Diagnostic Testing in 2022:

People Tested: A total of 31,987 Coconino County residents have been tested.

Tests Conducted: A total of 124,926 tests have been conducted among Coconino County residents.

Investigations: The investigations team interviews Coconino County Residents that test positive for COVID-19. Investigations completed 2,188 in 2022

*Cases reported from 1/1/22-9/10/22
COVID-19 Situation Summary*

Hospitalizations in 2022
(not all hospitals are currently reporting hospitalization data to Coconino County):

- Percentage of Cases: 2.9%
- Hospitalized: 575
- Hospitalizations Per 100,000: 403

In 2022, 9% of hospitalized residents were in the ICU and 2% were intubated.

Hospitalized Coconino COVID-19 Patients by Age

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4 years</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>5-17 years</td>
<td>19</td>
<td>11</td>
</tr>
<tr>
<td>18-24 years</td>
<td>15</td>
<td>11</td>
</tr>
<tr>
<td>25-44 years</td>
<td>126</td>
<td>10</td>
</tr>
<tr>
<td>45-64 years</td>
<td>153</td>
<td>13</td>
</tr>
<tr>
<td>65+ years</td>
<td>207</td>
<td>5</td>
</tr>
</tbody>
</table>

Weekly Case Counts Among Coconino County Residents:

- Hospitalized Coconino COVID-19 Patients
  - Two-Year Average of 2020 and 2021 Cases
  - 2022 Cases

Hospital Visits with COVID-Like Illnesses Among Coconino County Residents:

*Cases reported from 1/1/22-9/10/22

CLI Graph represents data from hospital surveillance at the county level. Not all county hospitals are reporting CLI.
COVID-19 Related Deaths in 2022:

- **Deaths**: 61
- **Percentage of Cases**: 0.3%
- **Fatalities Per 100,000**: 42.8

**Sex**
- Male: 39 (64%)
- Female: 22 (36%)

**Coconino COVID-19 Deaths by Age**
- 18-24 years: 1
- 25-44 years: 5
- 45-64 years: 21
- 65+ years: 34

**Race**
- White: 24 (39%)
- Hispanic: 10 (17%)
- Native American: 19 (31%)
- Other: 8 (13%)

**Weekly COVID-19 Deaths Among Coconino County Residents**

**2022 All Deaths Aberration**

*Cases reported from 1/1/22-9/10/22*
COVID-19 Variants in 2022:

<table>
<thead>
<tr>
<th>Variant</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omicron</td>
<td>3740</td>
<td>0</td>
</tr>
<tr>
<td>Delta</td>
<td>37</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Variants Being Monitored** and Variants of Concern***

**Variants Being Monitored include variants for which there are data indicating a potential or clear impact on approved or authorized medical countermeasures or that has been associated with more severe disease or increased transmission but are no longer detected or are circulating at very low levels in the U.S, and as such, do not pose a significant and imminent risk to public health in the U.S.

*** Variants of Concern include variants for which there is evidence of an increase in transmissibility, more severe disease (e.g., increased hospitalizations or deaths), significant reduction in neutralization by antibodies generated during previous infection or vaccination, reduced effectiveness of treatments or vaccines, or diagnostic detection failures.

For more information about SARS-CoV-2 variants, please visit the CDC webpage:
SARS-CoV-2 Variant Classifications and Definitions (cdc.gov)

For more information regarding variant testing in Arizona, please visit the TGen website:
Arizona COVIDseq Tracker (tgen.org)

3,780 positive SARS-CoV-2 samples from Coconino County residents have been sequenced in 2022 by partnering laboratories to identify circulating variants.