COVID Epidemiology Situation Update

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February 25, 2021
Summary

Today’s statewide case count is 939 with 471 cases (50%) in Maricopa County, lower than population distribution. The 7-day average for reported cases has fallen to 1,529, similar to early November at the beginning of the most recent surge.

After 6 weeks of consistent declines, the epi curve appears to have plateaued in Maricopa County and statewide for the past few days. Peak cases by incident date remains 1/4.

7-day average positivity continues to trend downward and has now dropped to 15%.

Hospital utilization continues to decline slowly and is now at levels similar to the first third of November.

Bed usage for COVID-19 is 16% of inpatient beds and 24% of ICU beds statewide. Current hospital utilization is 89% for inpatient beds and 85% for ICU beds including COVID and non-COVID utilization.

Despite declining hospital utilization, hospital death rates continue to increase with stable hospitalization rates for COVID cases, indicating the higher acuity of patients admitted to the hospital compared to earlier in the pandemic.

COVID-19 remains the leading cause of death in Arizona in a 12-month period.

<table>
<thead>
<tr>
<th>February 25, 2021</th>
<th>Statewide</th>
<th>Maricopa</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cases</strong></td>
<td>Reported Today</td>
<td>Cumulative</td>
</tr>
<tr>
<td>Cases</td>
<td>939</td>
<td>812,907</td>
</tr>
<tr>
<td>PCR Tests</td>
<td>11,019</td>
<td>3,728,569</td>
</tr>
<tr>
<td>% Positive</td>
<td>8.5%</td>
<td>21.8%</td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>234</td>
<td>57,390</td>
</tr>
<tr>
<td>Deaths</td>
<td>121</td>
<td>15,814</td>
</tr>
</tbody>
</table>

*All data pulled from azdhs.gov. Numbers may not match Maricopa county data.*
Maricopa County Analysis
Due to the holidays, multiple days of data were held (Nov 11, 26 & 27; December 25, January 1 & 18) and reported on the next business day.
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Maricopa County Daily COVID-19 Cases by Date of Sample Collection
(Epi Curve)
Arizona Statewide Analysis
Epidemiology
Arizona Statewide Case Fatality and Hospitalization Rates

- **P[Hosp | Positive Confirmed]**
  - 27.6%
- **P[Death | Positive Confirmed]**
  - 7.0%
- **P[Death | Hosp]**
  - 1.9%
Hospital Usage
Where blue bars are below zero, COVID ED patients exceeded total reported ED bed usage.