COVID Epidemiology Situation Update

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Summary

- Today’s statewide case count is 1,476, with 789 cases (53%) in Maricopa County, lower than population distribution. The 7-day average for reported cases is now 2,459.
- The epi curve continues to increase in Maricopa County and statewide with an exponential growth pattern.
- Percent positivity is 11.1% statewide and 10.9% in Maricopa County with moderate testing volume.
- Hospital utilization and ED visits continue to increase, with inpatient bed usage for COVID-19 representing 18% of inpatient beds and 22% of ICU beds statewide. Although there is no indication yet that hospital resources are at imminent risk of becoming overwhelmed, hospital utilization is 87% for inpatient beds and 82% for ICU beds including COVID and non-COVID utilization.
- As of today, Arizona is one of a shrinking minority of states that does not have a statewide masking mandate in effect.
- Maricopa County serosurvey was released today, showing 10.7% prevalence of COVID antibodies countywide as of September, and suggesting that only 20-25% of cases are reported in ADHS data.
Maricopa County Analysis
Arizona Statewide Analysis
Epidemiology
Arizona Statewide Case Fatality and Hospitalization Rates

27.3%

8.3%

2.3%

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