COVID Epidemiology
Situation Update

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Summary

Today’s statewide case count is 748, with 560 cases (75%) in Maricopa County, more concentrated than population distribution. The 7-day average for reported cases has been steadily increasing since September 30 and is now 835.

The demonstrated epi curve continues to increase in Maricopa County and statewide. Case counts continue to rise and remain consistent with rates in mid-June. We note that the slope of the upward trajectory now appears less steep than at the onset of exponential growth in June.

Percent positivity statewide is 8.5%. Maricopa county positivity is 10.0%, with low testing on both levels. Significantly more testing is needed to characterize the extent of the current outbreak and community transmission.

ED visits appear to be rising, along with a continued upward trend in ICU and inpatient beds. ICU bed usage appears to be rising at a faster proportional rate than general ward bed usage. There is no indication that hospital resources are at imminent risk of becoming overwhelmed.
Maricopa County Analysis
Arizona Statewide Analysis
Epidemiology
Arizona Statewide Daily COVID-19 Deaths by Date of Death
(Epi Curve)
Arizona Statewide Case Fatality and Hospitalization Rates

- **P[Hosp|Positive Confirmed]**
- **P[Death|Positive Confirmed]**
- **P[Death|Hosp]**

- 28.2%
- 8.9%
- 2.5%
Hospital Usage
Where blue bars are below zero, COVID ED patients exceeded total reported ED bed usage