COVID Epidemiology Situation Update

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September 16, 2020
Today’s statewide case count (695), in line with counts last week. The 7-day trailing average has increased to 480. The epi curve continues to increase slowly.

Percent positivity statewide and in Maricopa County remain low, as testing volume increases. Optimally, percent positivity will be less than 2% to fully characterize the extent of community spread and identify an outbreak; more testing is required in Maricopa County and statewide.

Hospital fatality rates are slowly rising again in the setting of overall declining inpatient hospital utilization (similar volumes to mid April). Overall case fatality rates also continue to rise slowly.

There is an uptick of COVID ED visits, which remain generally at levels similar to mid-June when wide community spread was underway.
Maricopa County Analysis
Maricopa County Case Fatality and Hospitalization Rates

- $P[\text{Hosp} | \text{Positive Confirmed}]$
- $P[\text{Death} | \text{Positive Confirmed}]$
- $P[\text{Death} | \text{Hosp}]$

Percentages:
- 22.4%
- 10.4%
- 2.3%
Arizona Statewide Analysis
Epidemiology
Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)
Arizona Statewide Daily COVID-19 Deaths by Date of Death
(Epi Curve)
Hospital Usage
Where blue bars are below zero, COVID ED patients exceeded total reported ED bed usage