

COVID Epidemiology Situation Update

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February 22, 2021

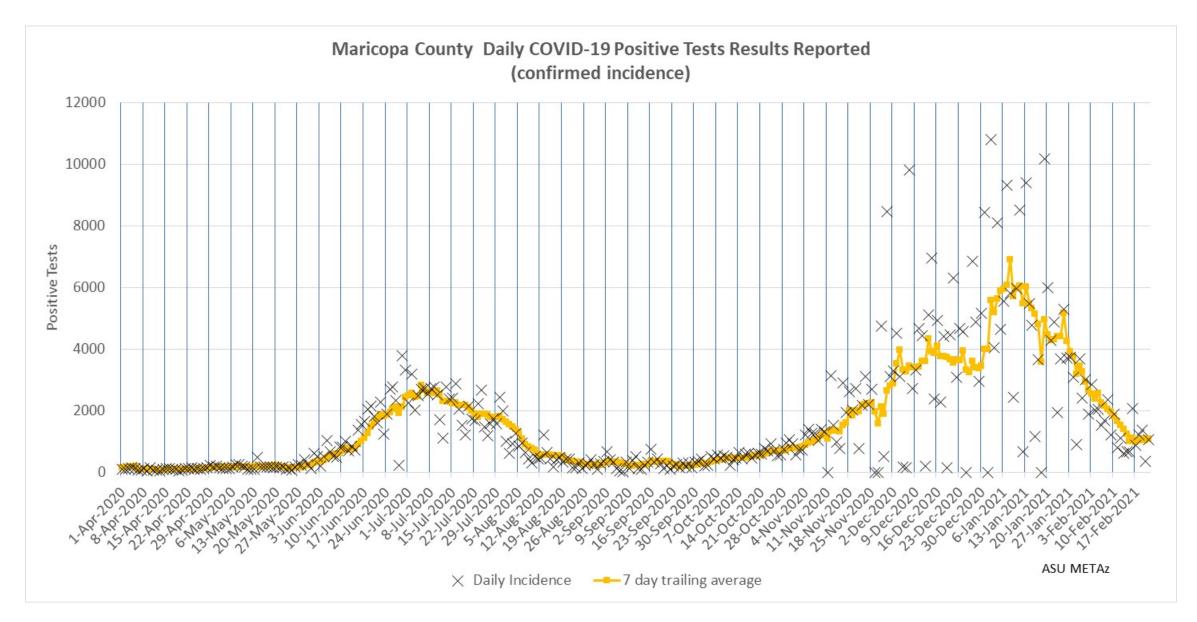
Summary

February 22, 2021				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	1,507	809,474	1,054	506,046
PCR Tests	9,336	3,703,153	6,102	2,226,908
% Positive	16.1%	21.9%	17.3%	15.1%
Hospitalizations	0	56,994	31	35,403
Deaths	-3	15,502	-2	8,833
All data pulled from azdhs.gov. Numbers may not match Maricopa county data.				

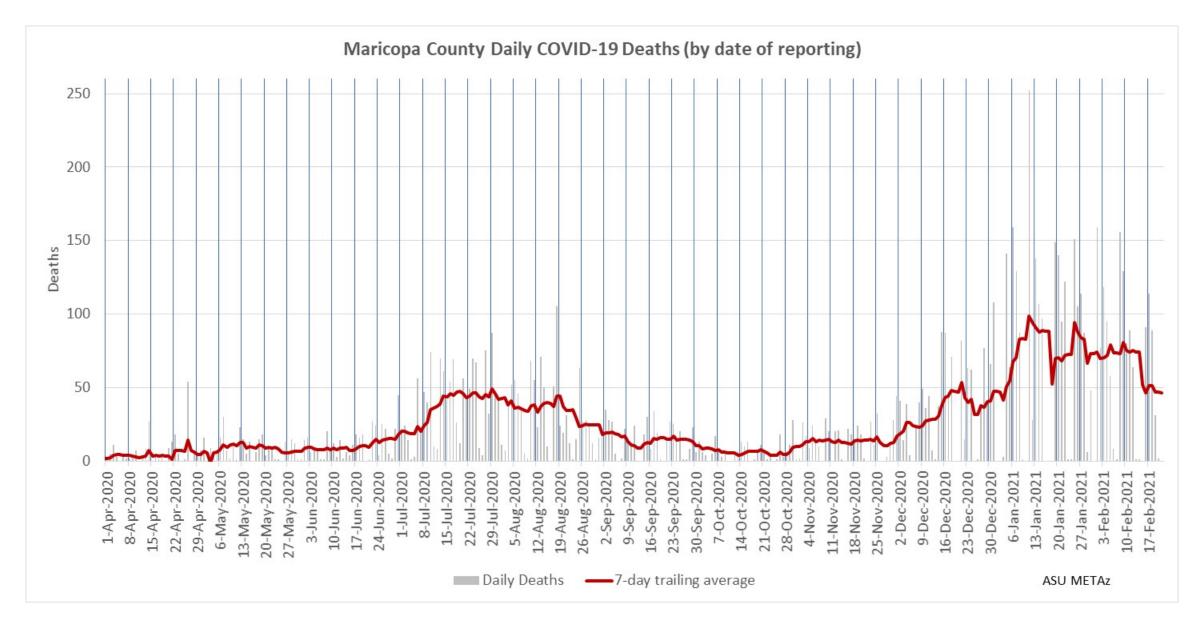
- Today's statewide case count is 1,507 with 1054 cases (70%) in Maricopa County, higher than population distribution. The 7-day average for reported cases has fallen to 1,552, similar to early November at the beginning of the most recent surge.
- After 6 weeks of consistent declines, the epi curve appears 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.
- Hospital utilization continues to decline slowly and is now at levels similar to mid-November whereas case counts are similar to early-November levels. The continuing disparity suggests an overall decline in testing behaviors and thus diagnosed mild COVID-19 cases in the general public.
- Bed usage for COVID-19 is 19% of inpatient beds and 27% of ICU beds statewide. Current hospital utilization is 87% 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 has become the leading cause of death in Arizona in a 12-month period. Note that deaths are generally not reported on Mondays.

Maricopa County Analysis

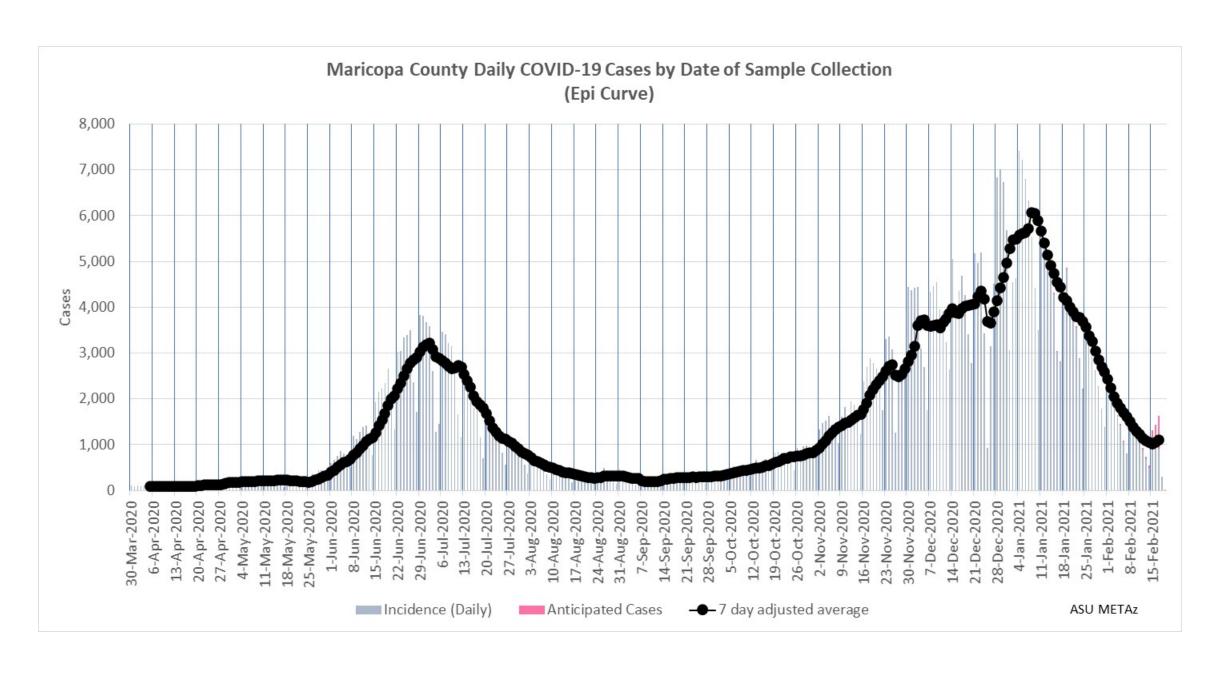


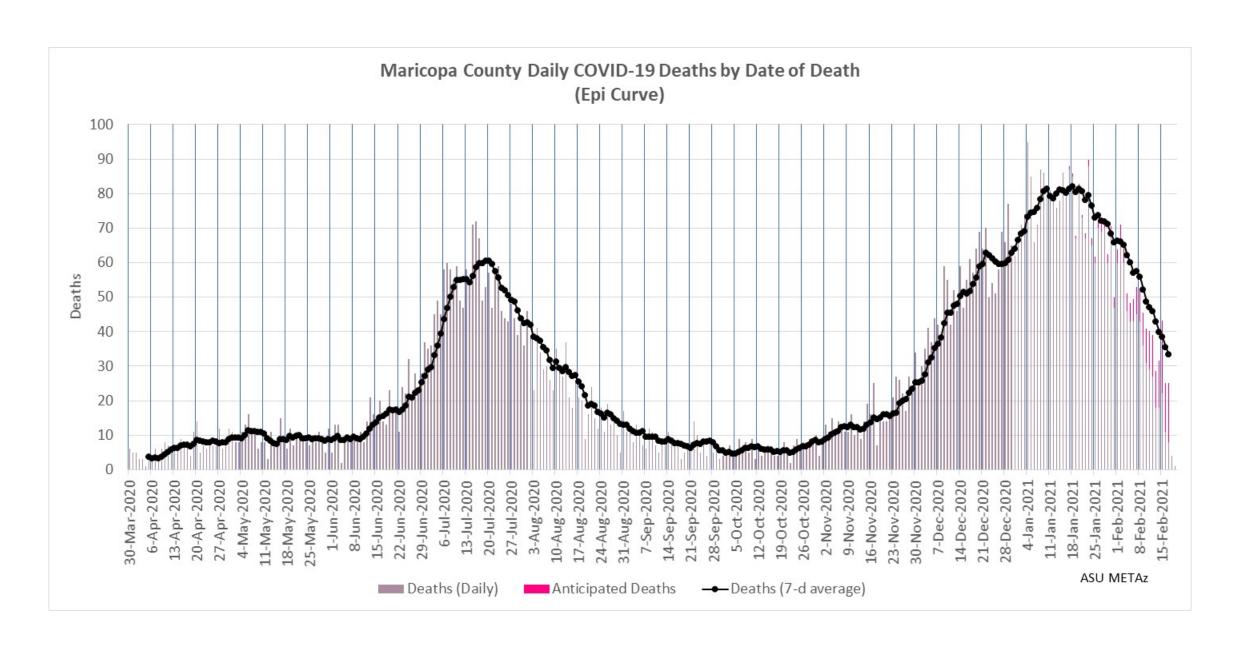


Due to the holidays, multiple days of data were held (Nov 11, 26 & 27; December 25, January 1 & 18) and reported on the next business day.



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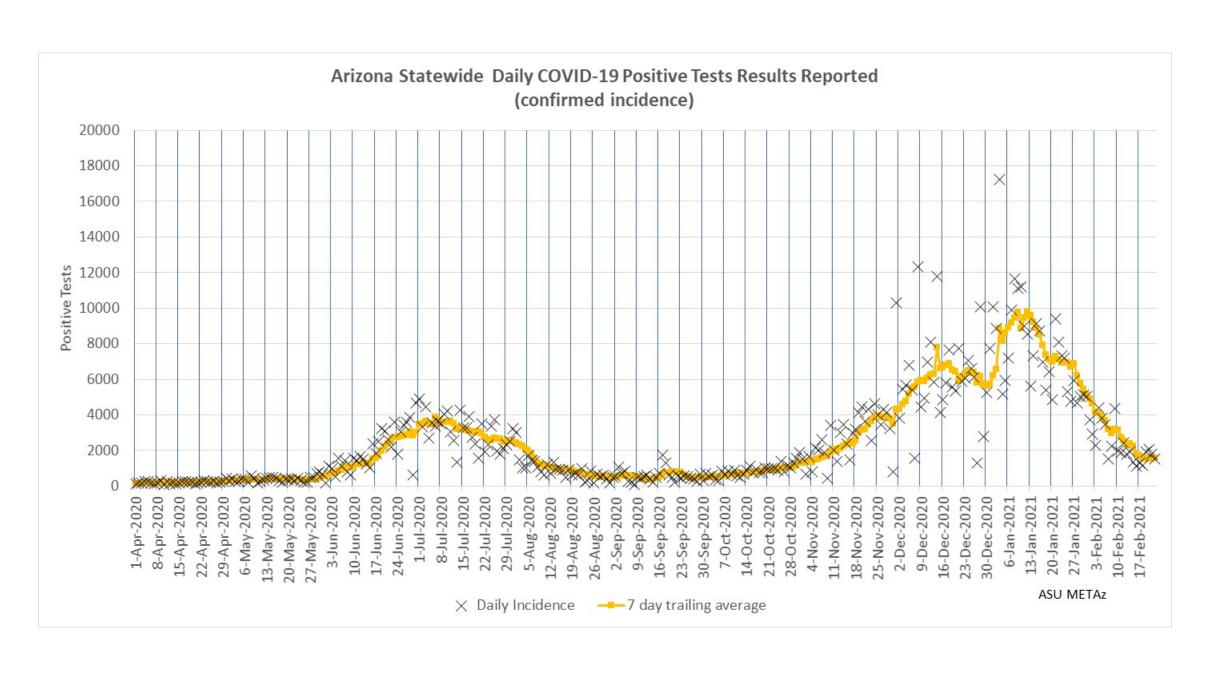


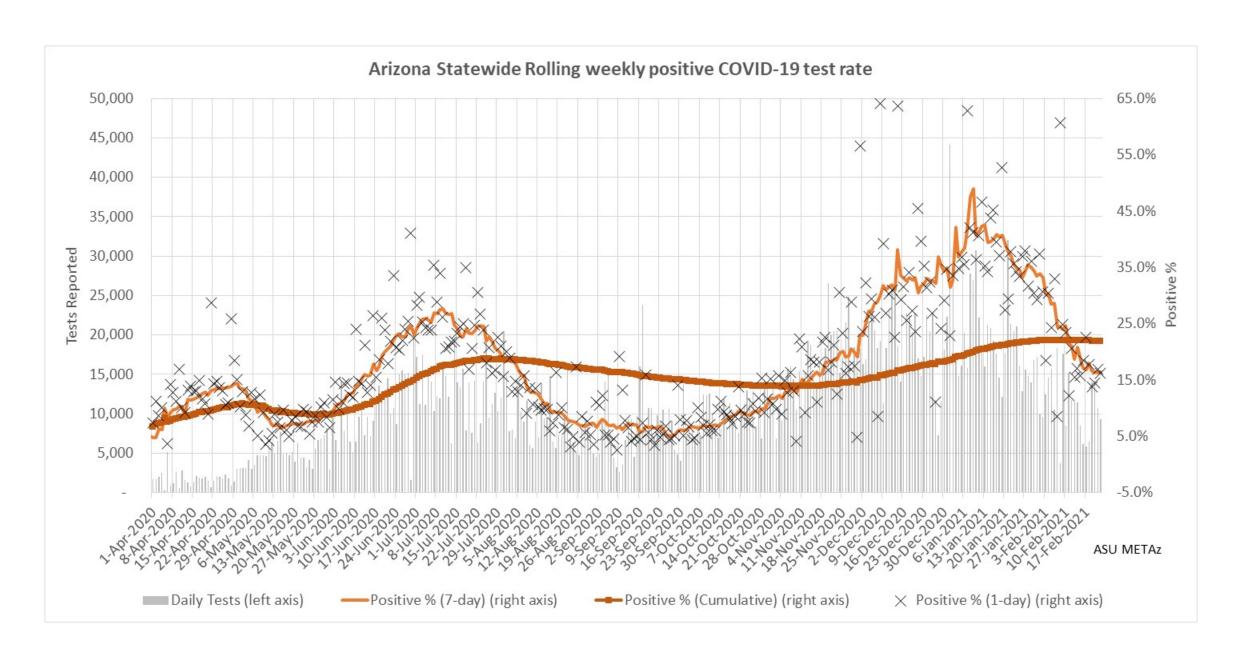
Arizona Statewide Analysis

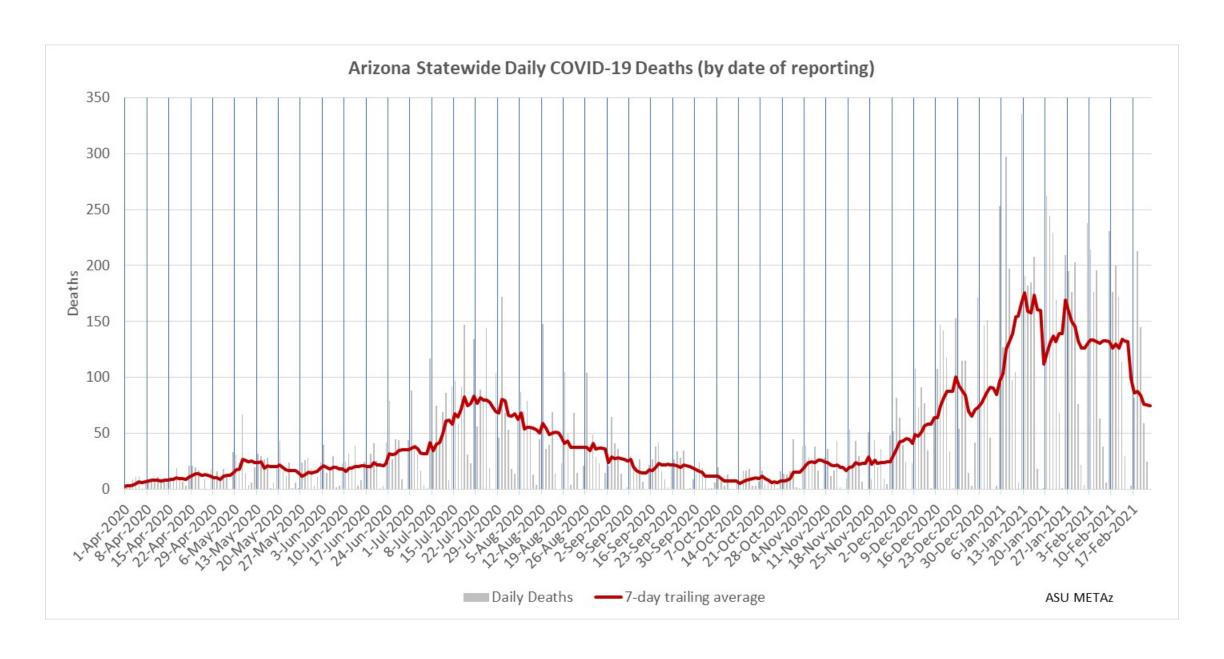


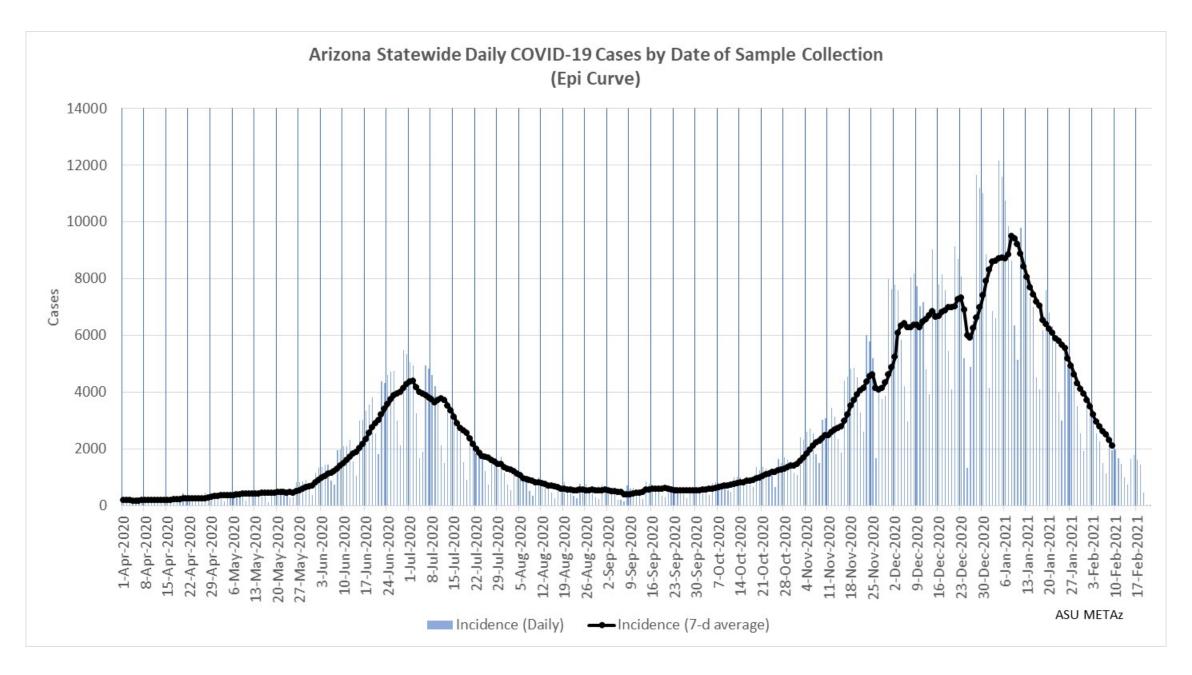
Epidemiology

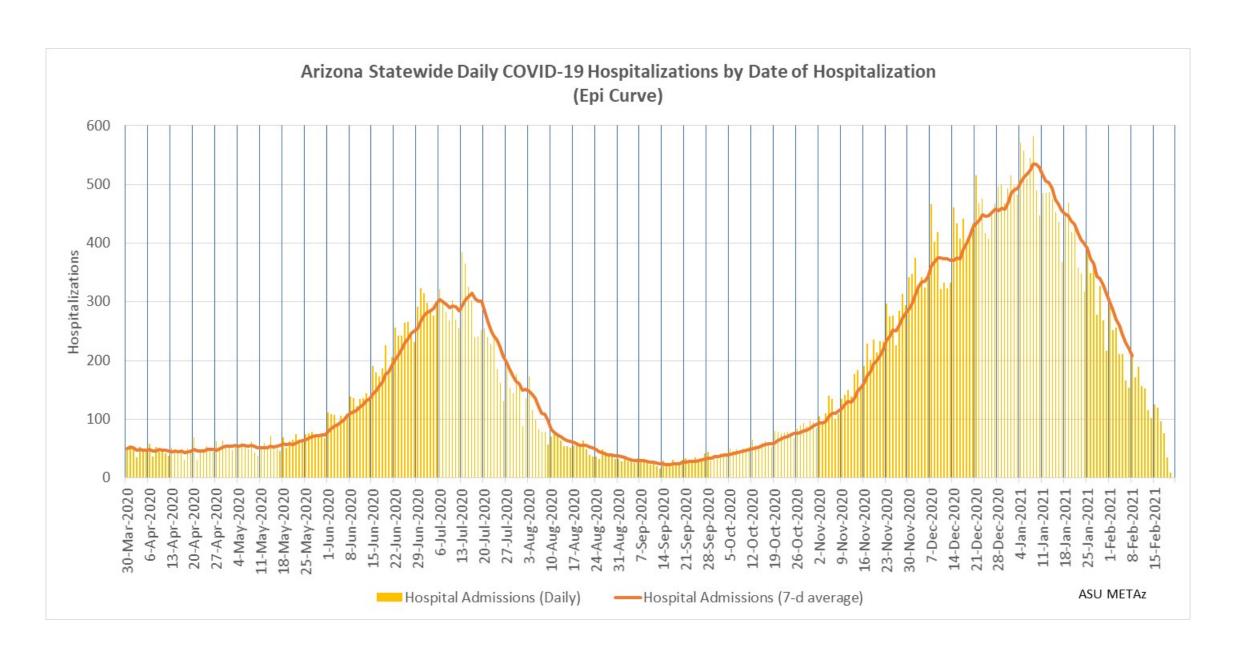


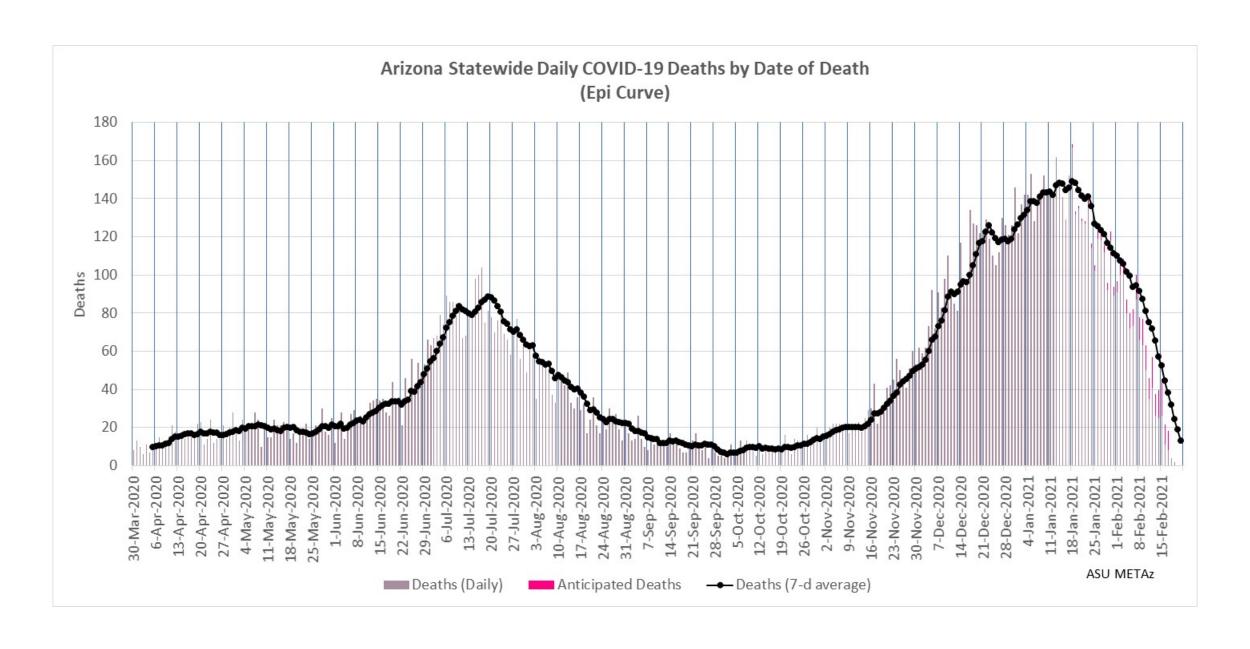


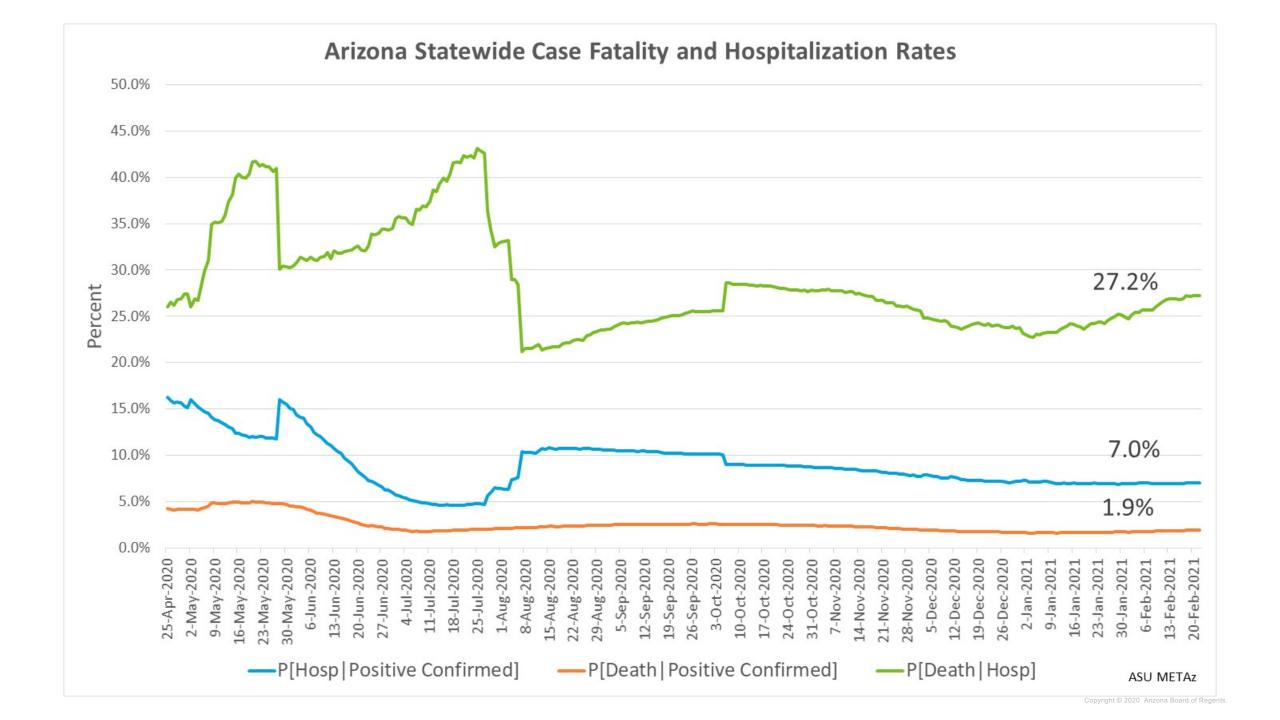












Hospital Usage



