

COVID Epidemiology Situation Update

Tim Lant, PhD, MAS, Heather Ross PhD, DNP, ANP-BC, Anna Muldoon, MPH, Samantha Sokol, Esma Gel, PhD, and Megan Jehn, PhD

December 17, 2020

Summary

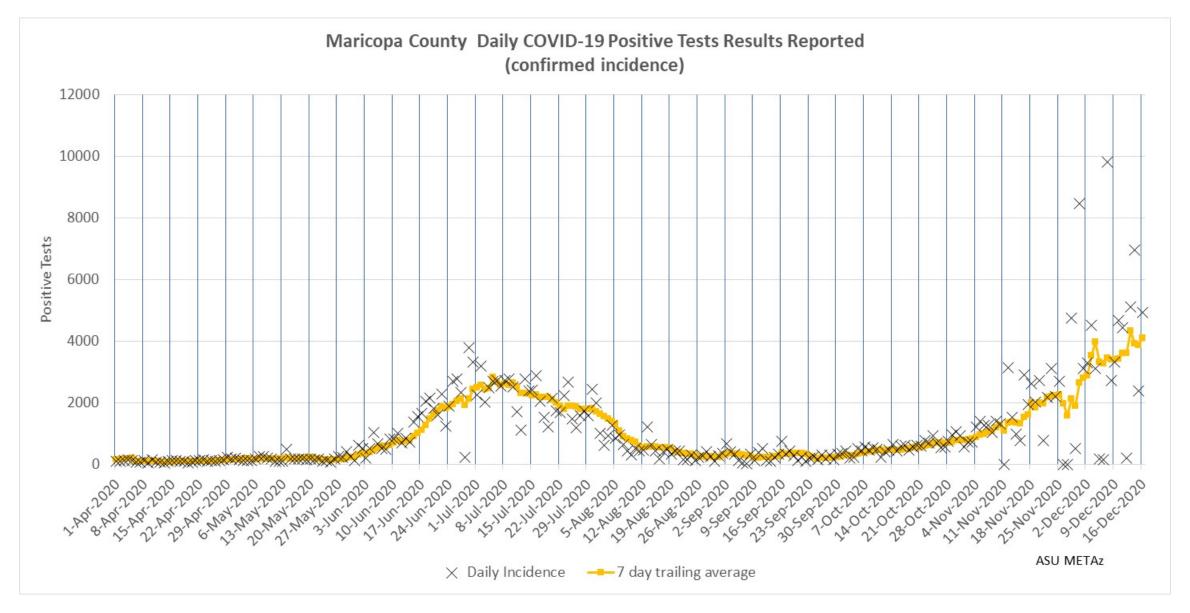
December 17, 2020				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	5,817	435,036	3,548	269,744
PCR Tests	22,754	2,583,394	14,862	1,531,928
% Positive	25.6%	16.8%	23.9%	12.5%
Hospitalizations	383	31,851	270	19,533
Deaths	147	7,677	95	4,542
All data pulled from azdhs.gov. Numbers may not match Maricopa county data.				

- Today's statewide case count is 5,817 with 3,548 cases (61%) in Maricopa County, slightly higher than population distribution. The 7-day average for reported cases is now 6,787.
- The epi curve continues to increase in Maricopa County and statewide with continued exponential growth exceeding the previous wave in Arizona. Peak cases by incident date is 7,823 on 11/30.
- Due to significant irregularities in ADHS data reporting patterns, 7-day average positivity is more reliable than day-to-day positivity. 7-day average positivity has remained above 30% for more than a week, indicating sustained uncontrolled spread.
- Hospital utilization continues to increase with remaining bed capacity lower than at any time since the start of the pandemic. Bed usage for COVID-19 is at 45% of inpatient beds (highest number of COVID-occupied beds at any point during the pandemic) and 51% of ICU beds statewide. Current hospital utilization is 93% for inpatient beds and 92% for ICU beds including COVID and non-COVID utilization. This is the highest level of hospital occupancy with the lowest level of remaining hospital capacity statewide at any point since the beginning of the pandemic. After a few days of dropping numbers, ED visits for COVID have rebounded and remain at levels similar to the peak of the first wave in June/July. Hospitals statewide are experiencing extreme shortages in bed space and staff.
- Phase 1A vaccine administration began today for healthcare workers including first responders in Maricopa, County Goard of Regents.

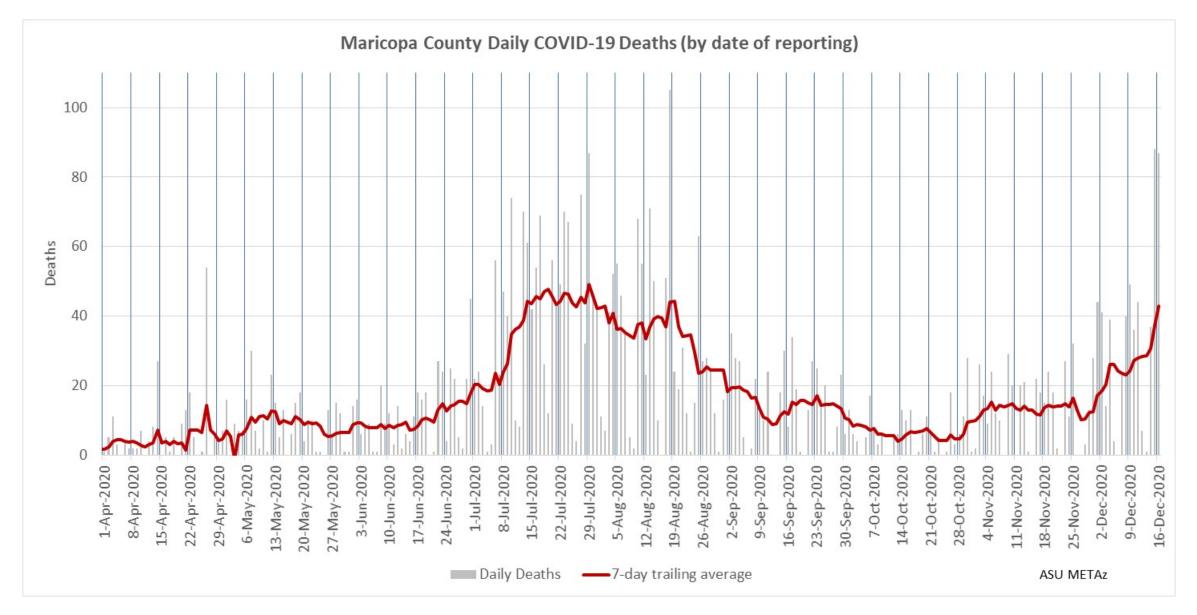
Maricopa County Analysis



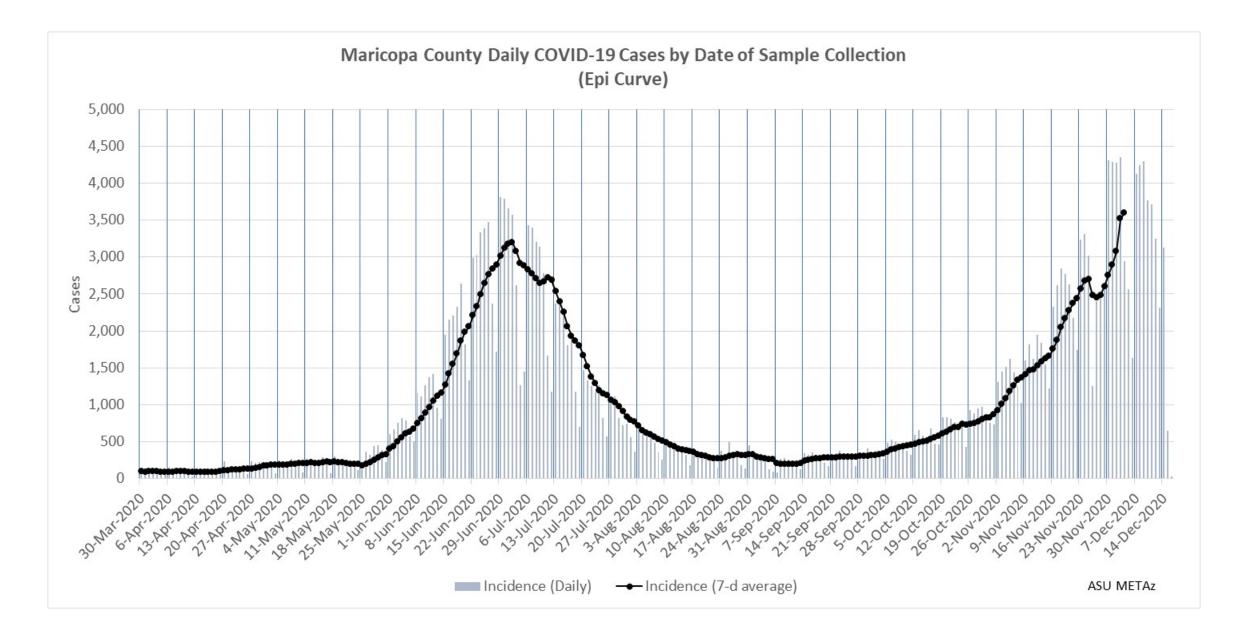
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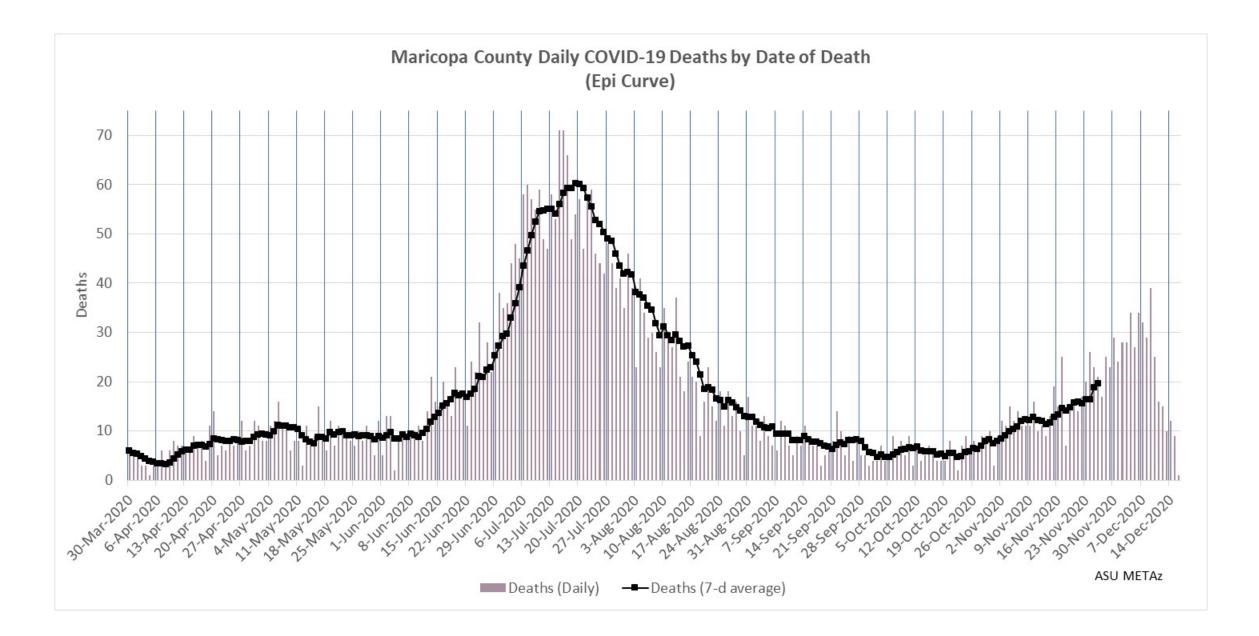


Due to the holiday, 2 days of data were held (Nov 26 & 27) and reported on Nov 28.



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Arizona Statewide Analysis

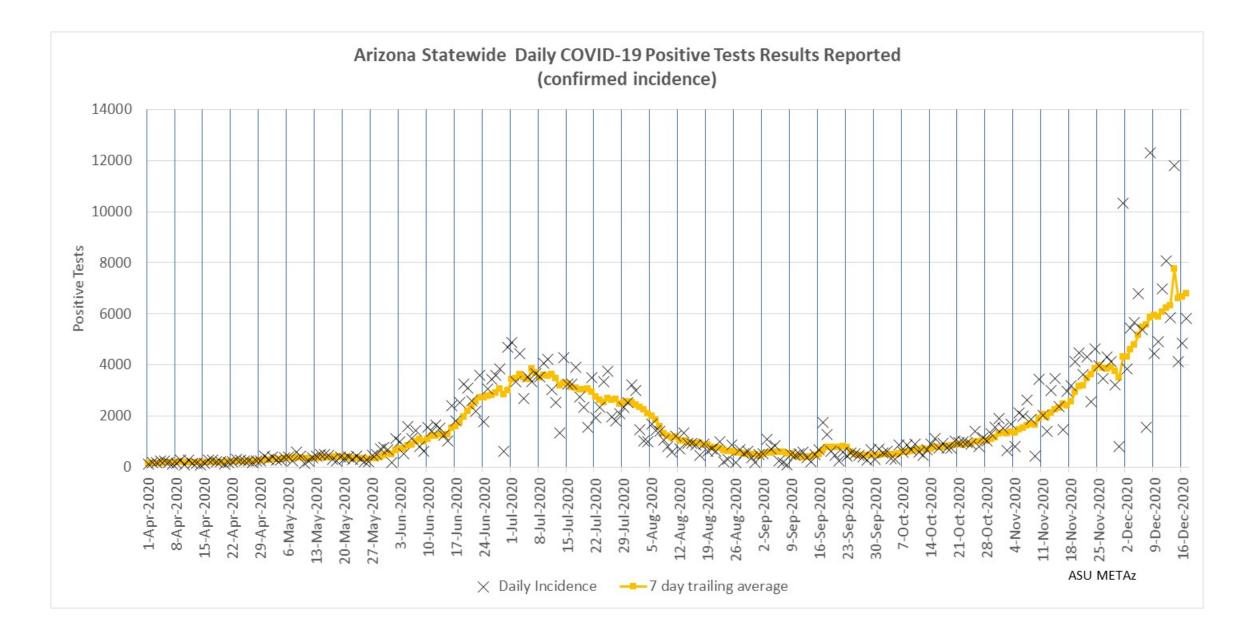


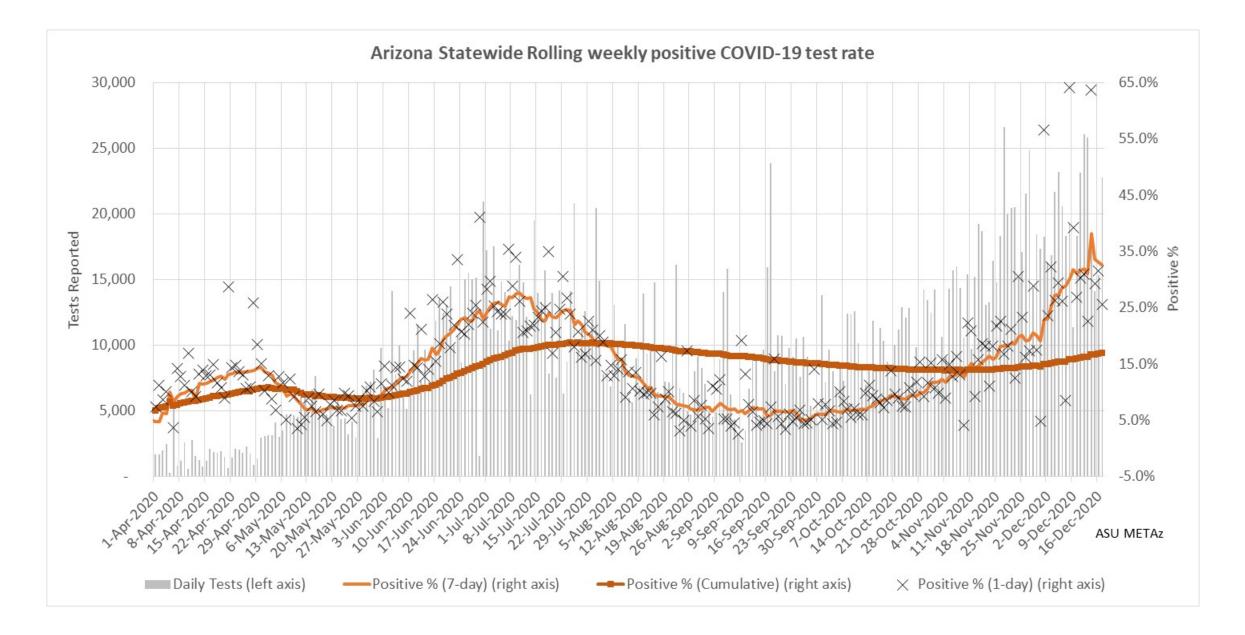
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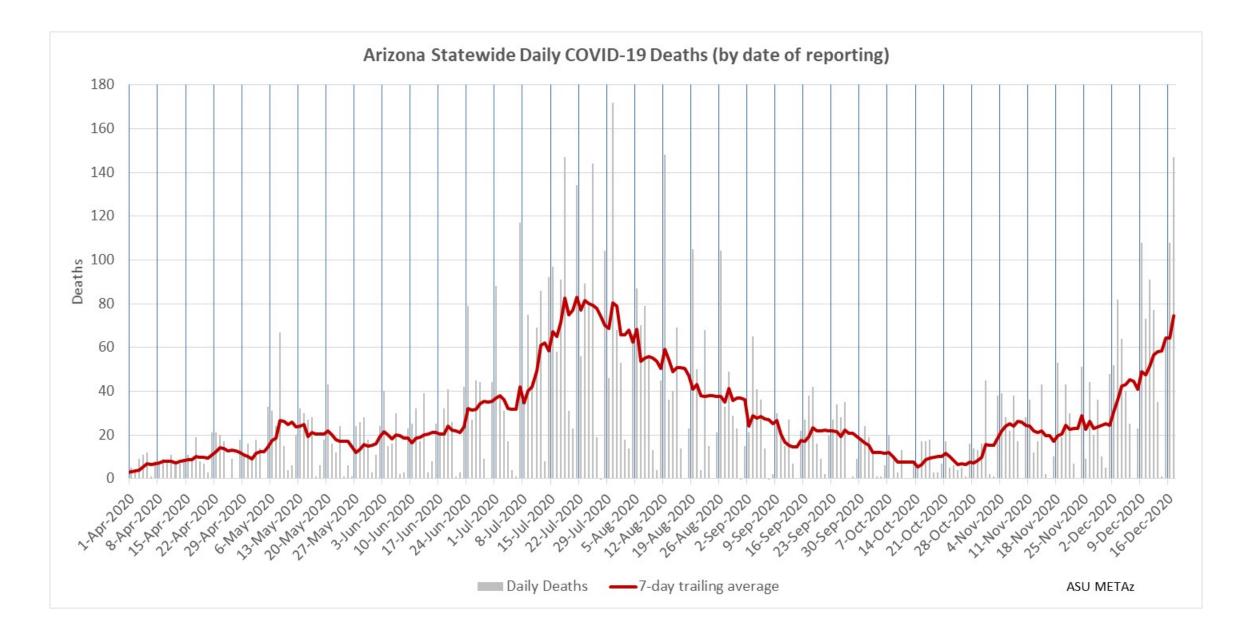
Epidemiology

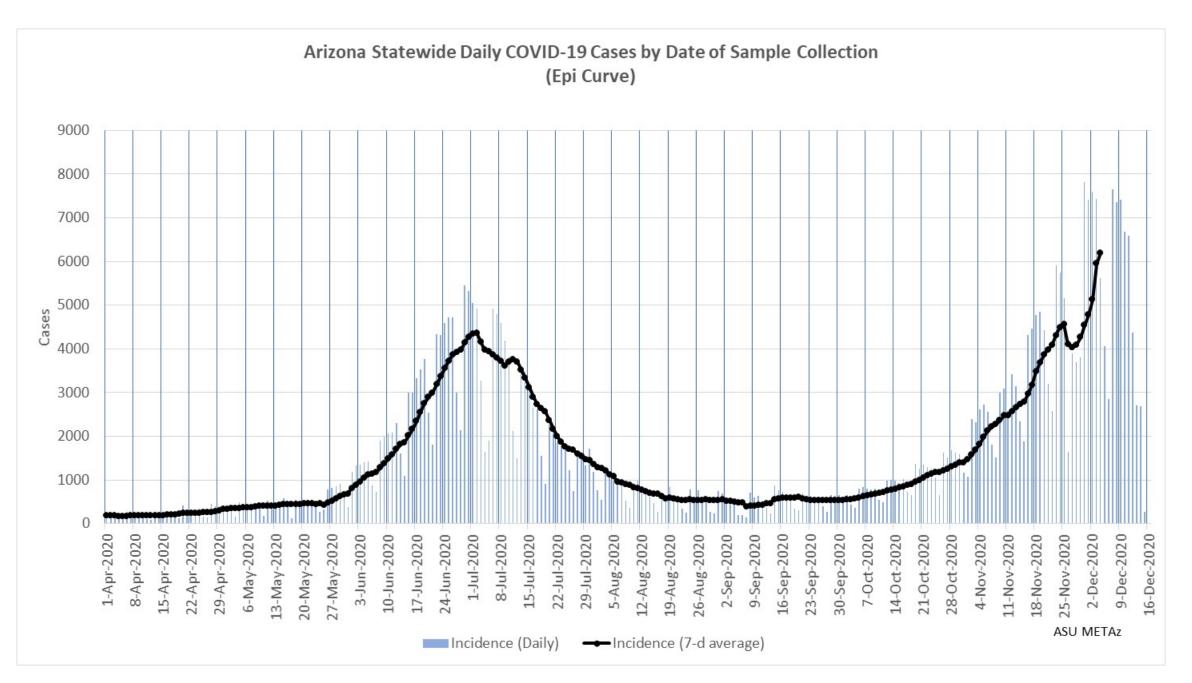


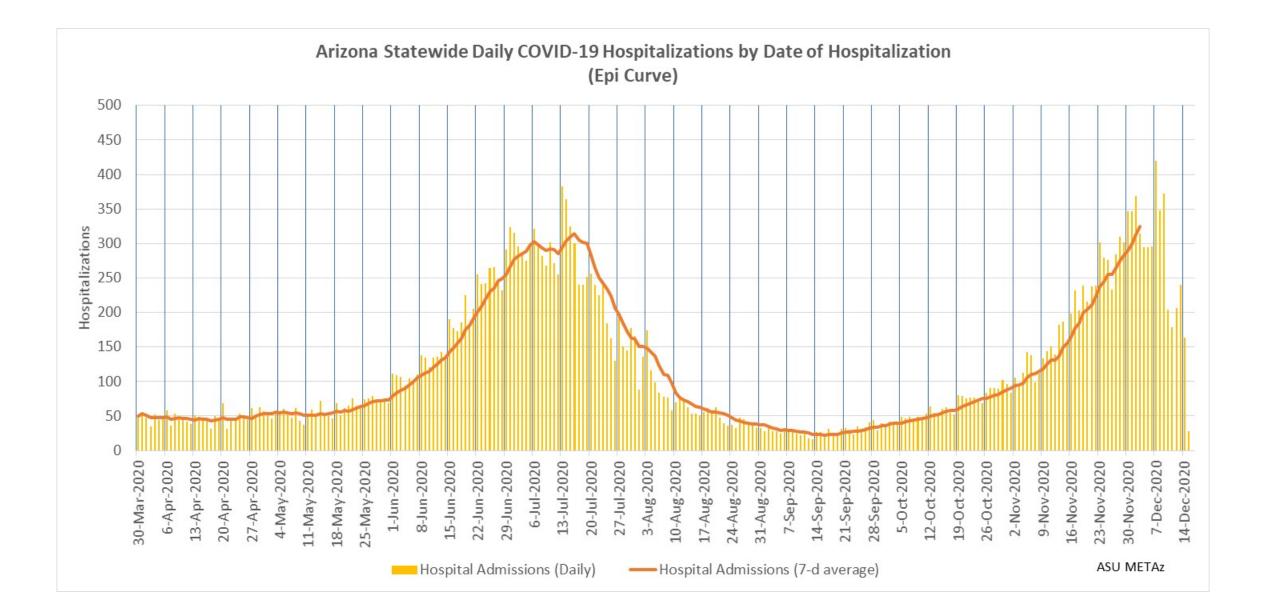
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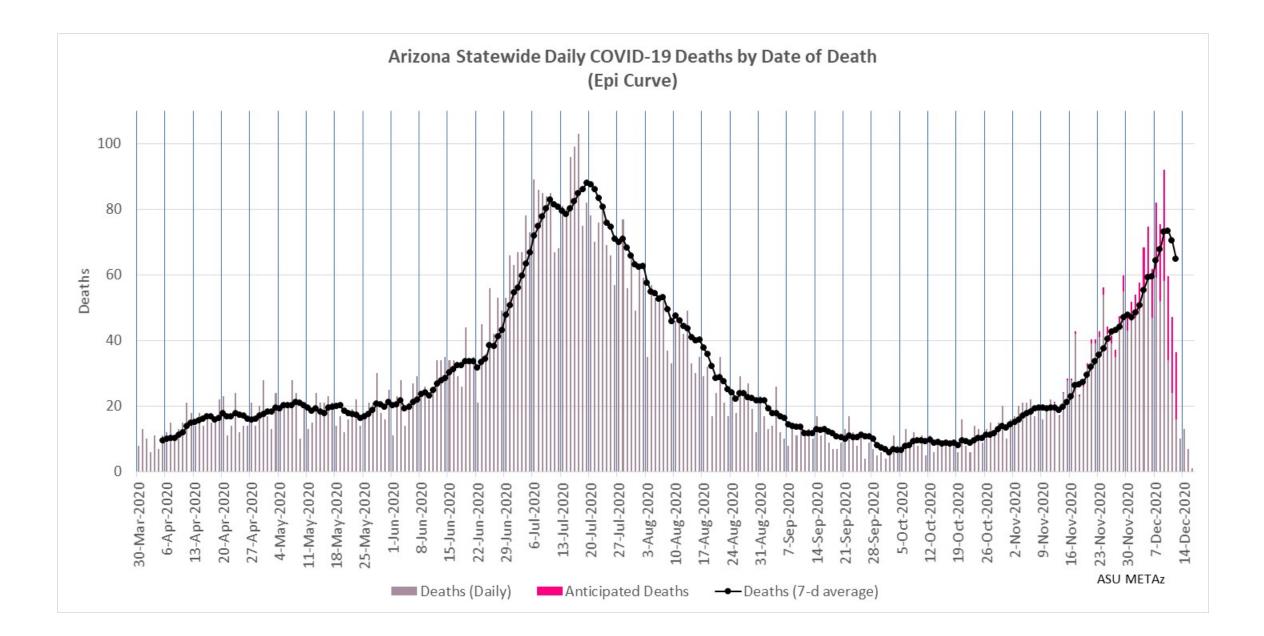


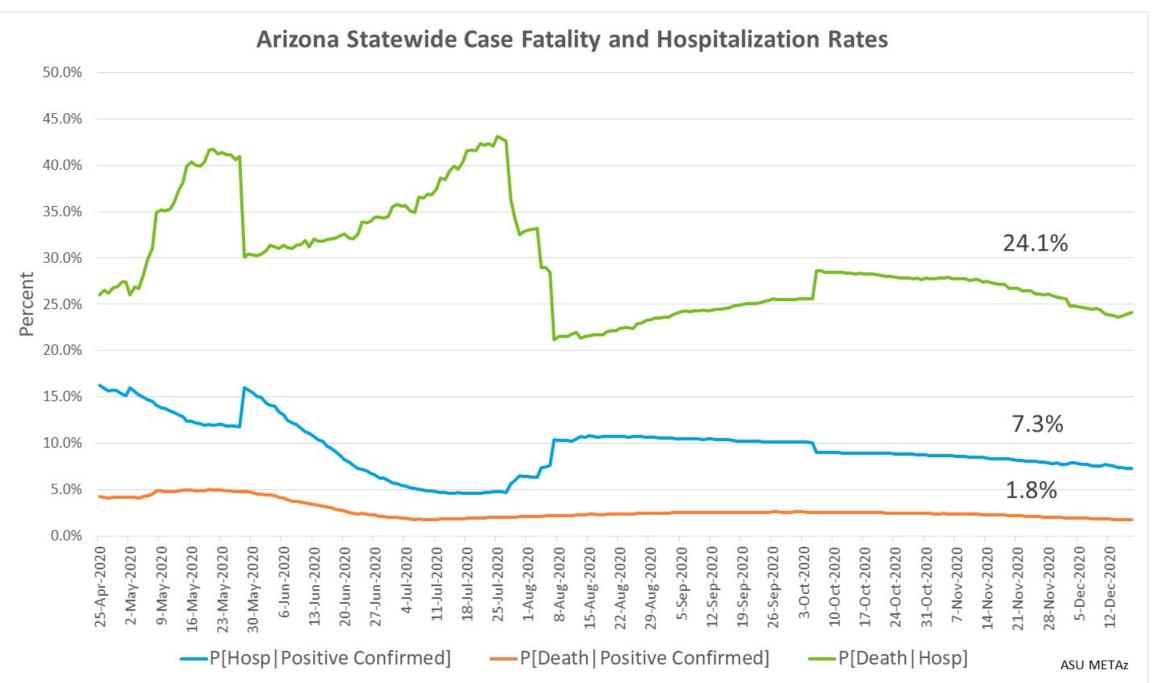










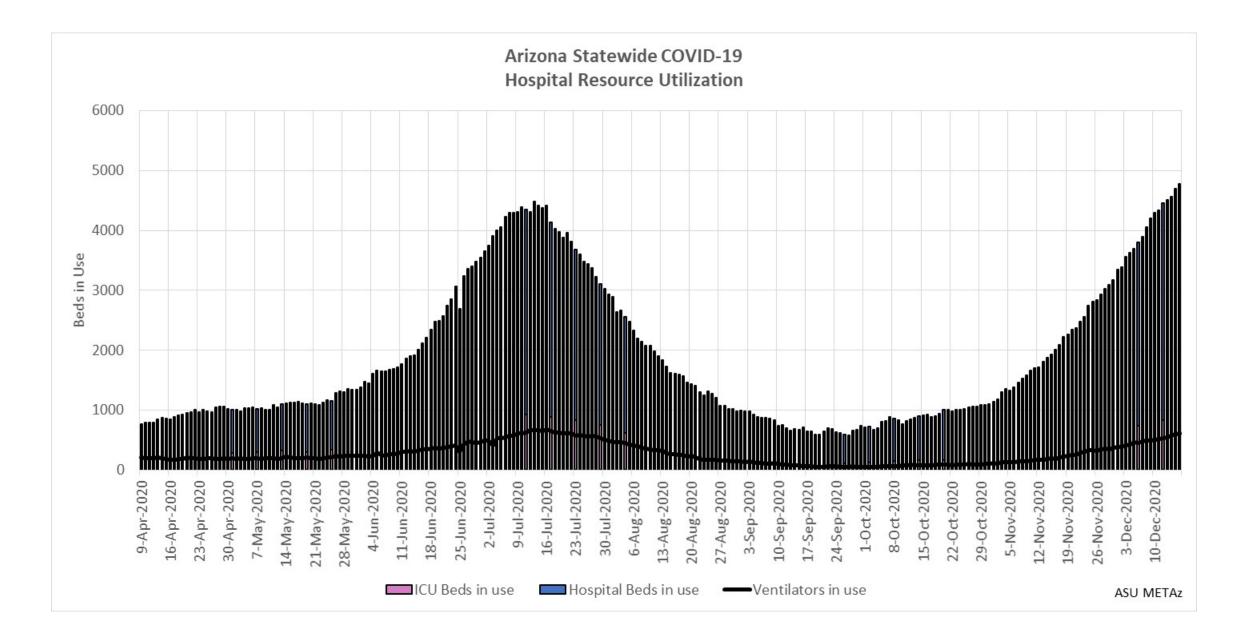


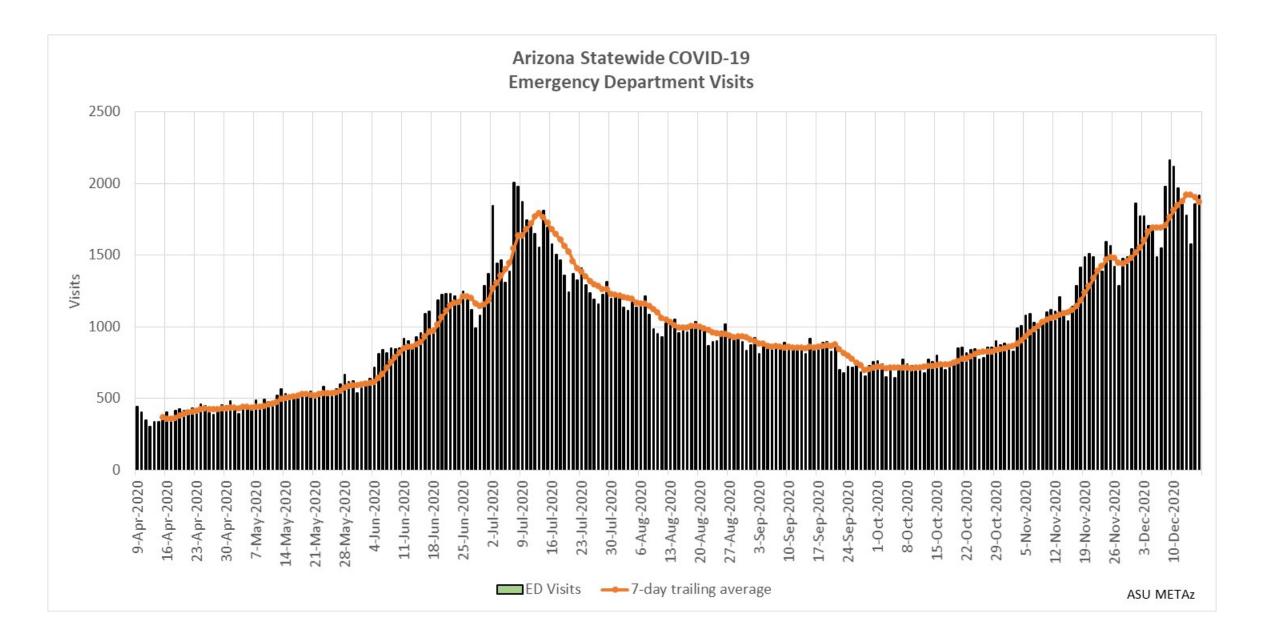
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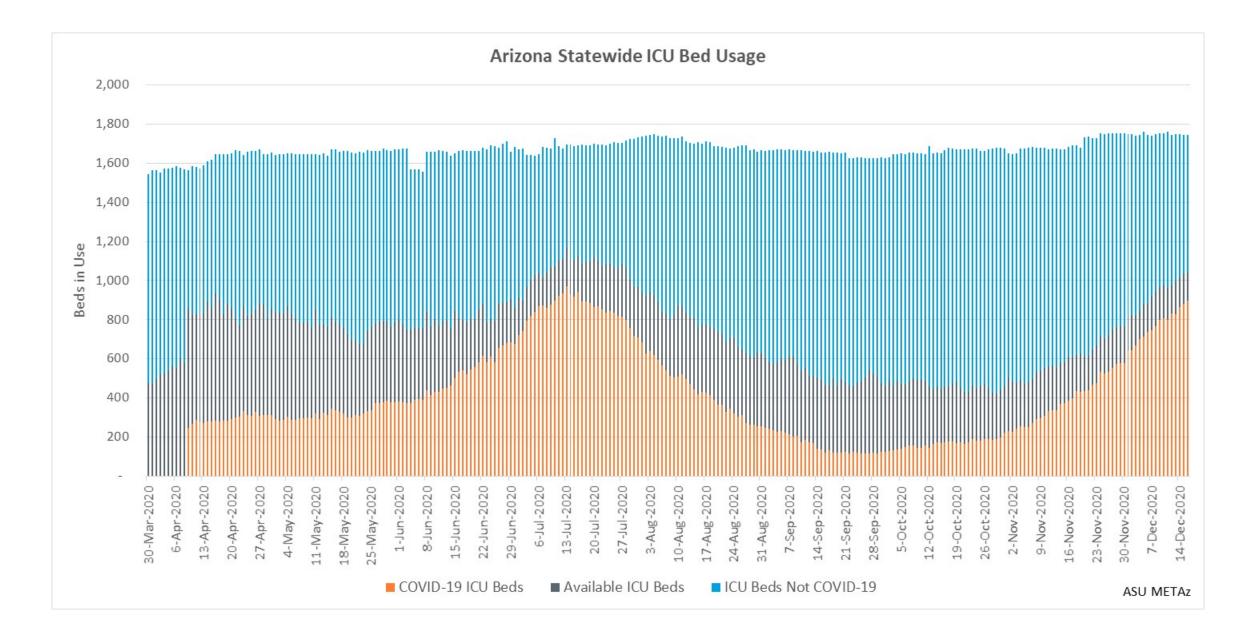
Hospital Usage

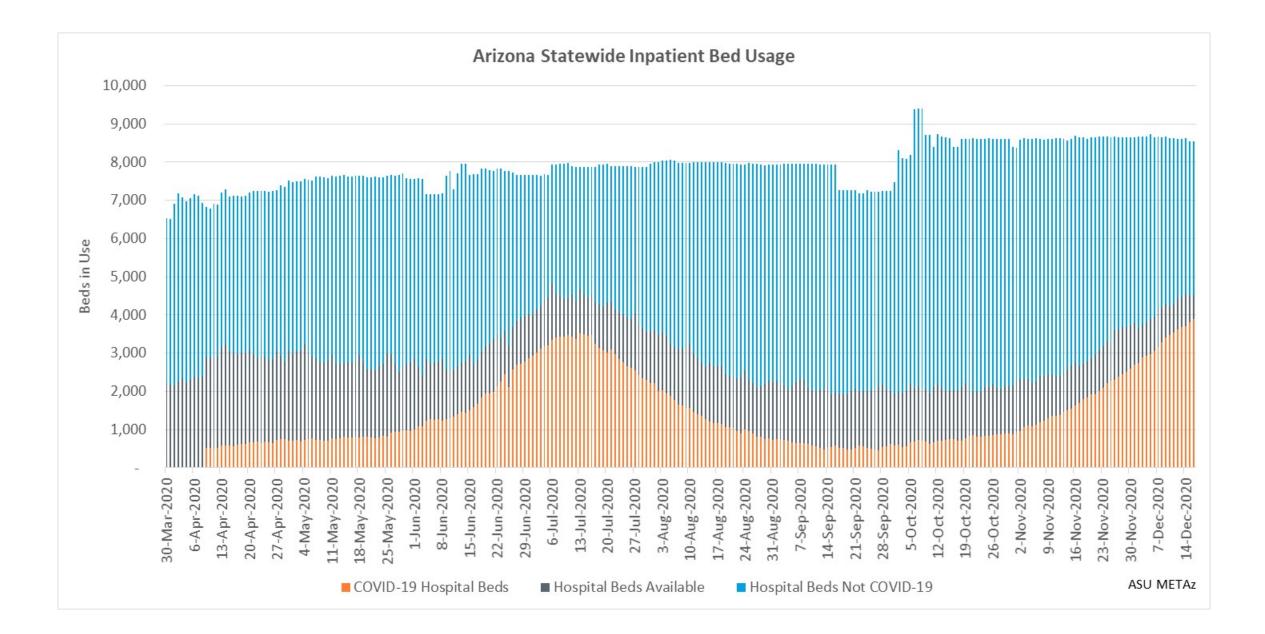


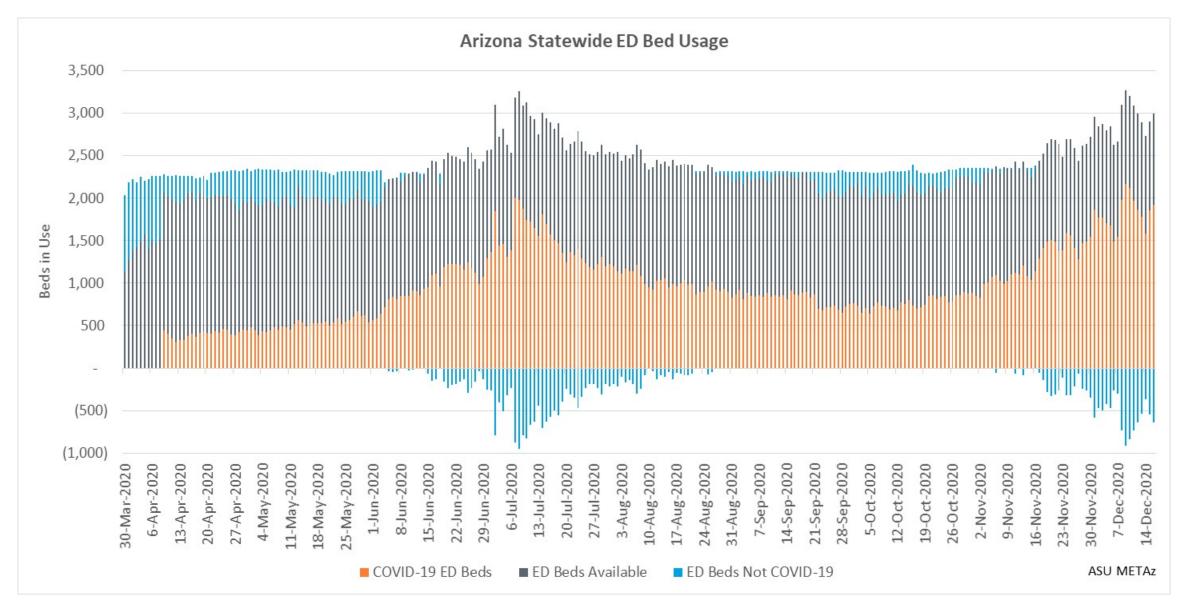
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Where blue bars are below zero, COVID ED patients exceeded total reported ED bed usage