



COVID Epidemiology Situation Update

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November 16, 2020

Summary

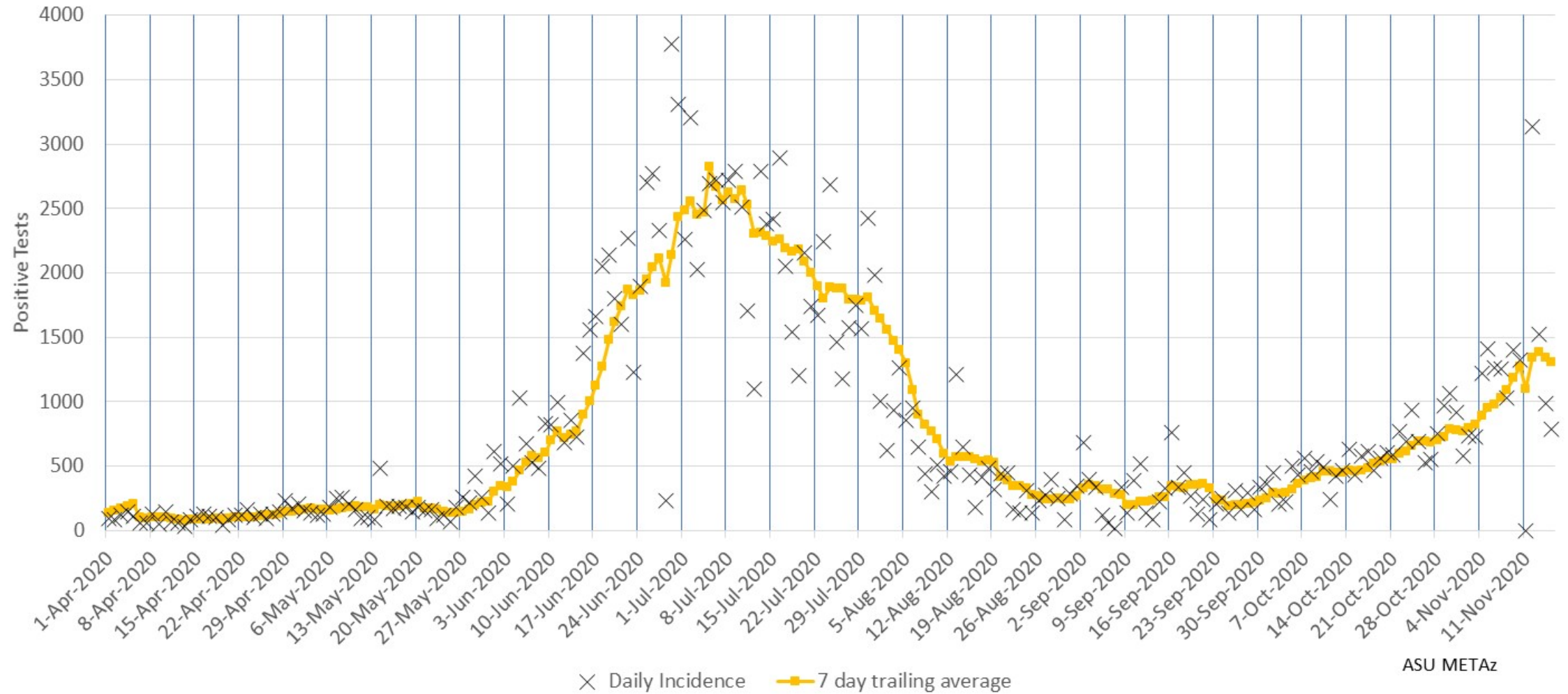
November 16, 2020				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	1,476	276,912	789	176,993
PCR Tests	13,283	1,987,781	7233	1,167,120
% Positive	11.1%	13.9%	10.9%	11.1%
Hospitalizations	73	23,122	52	14,386
Deaths	0	6,302	0	3,798
All data pulled from azdhs.gov. Numbers may not match Maricopa county data.				

- 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.

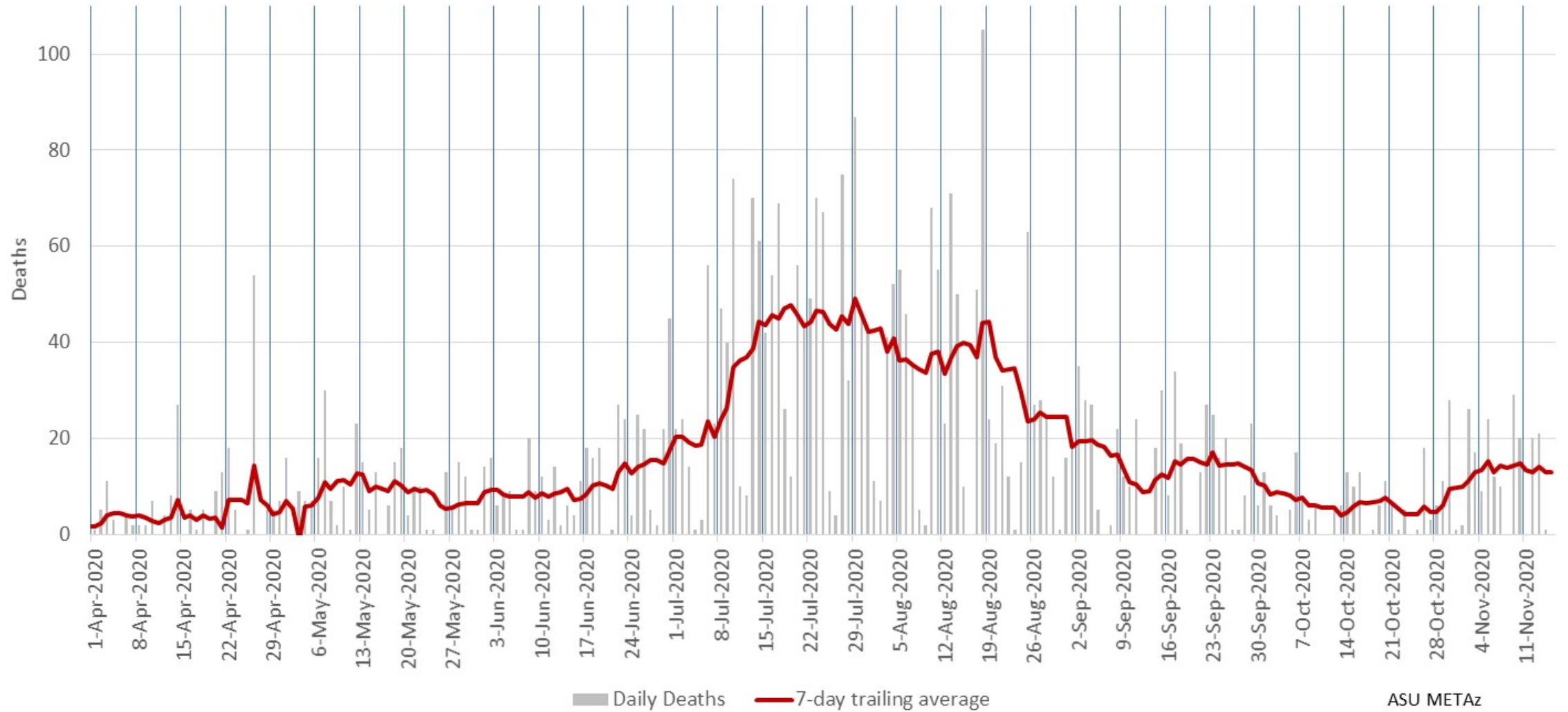
Maricopa County Analysis



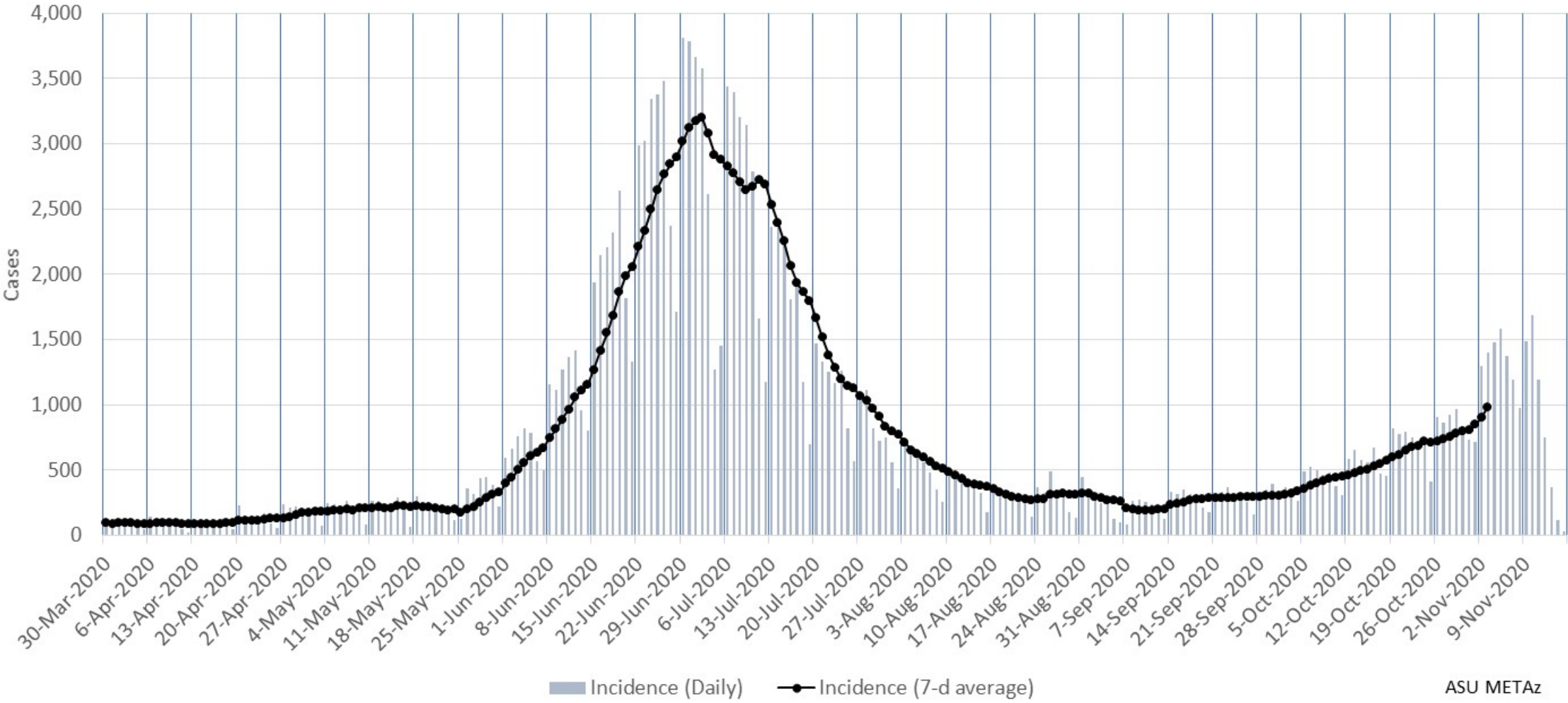
Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



Maricopa County Daily COVID-19 Deaths (by date of reporting)

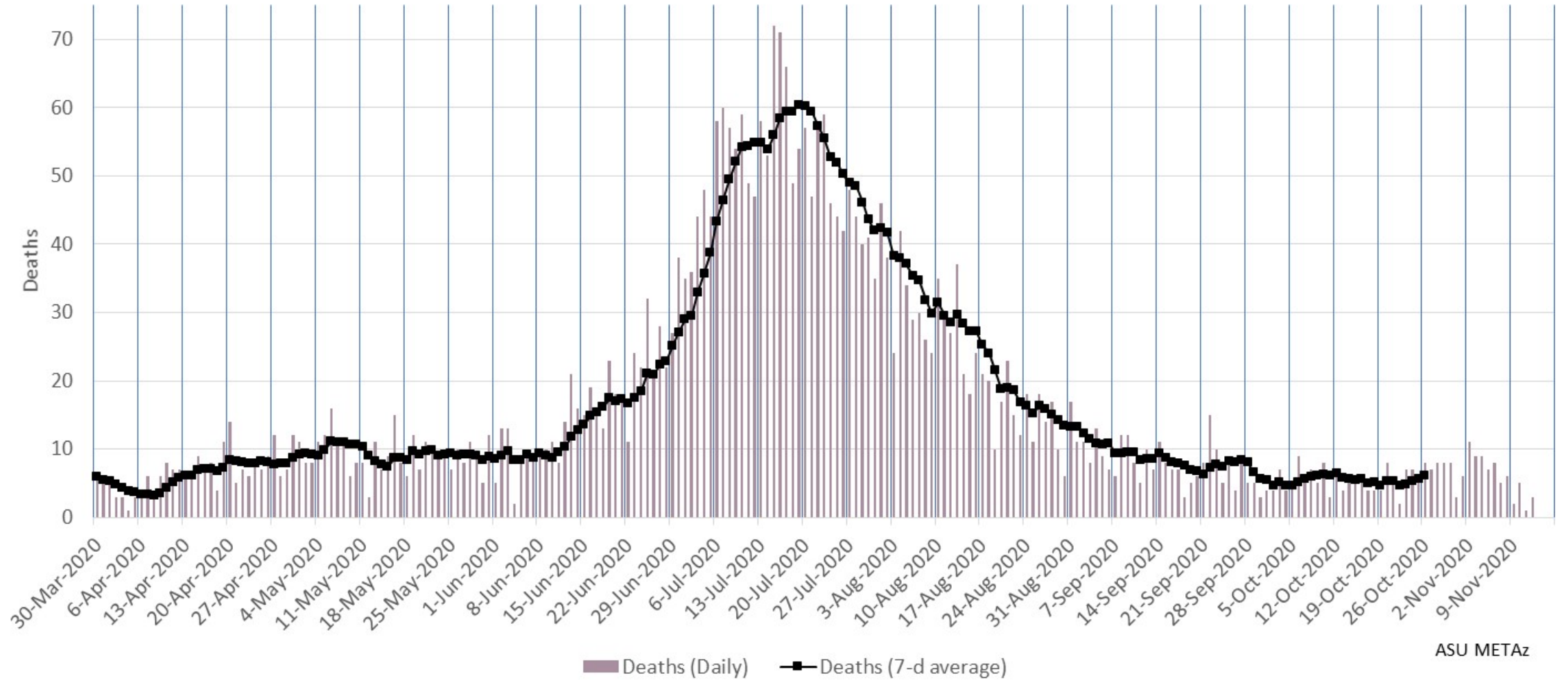


Maricopa County Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)



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Maricopa County Daily COVID-19 Deaths by Date of Death
(Epi Curve)



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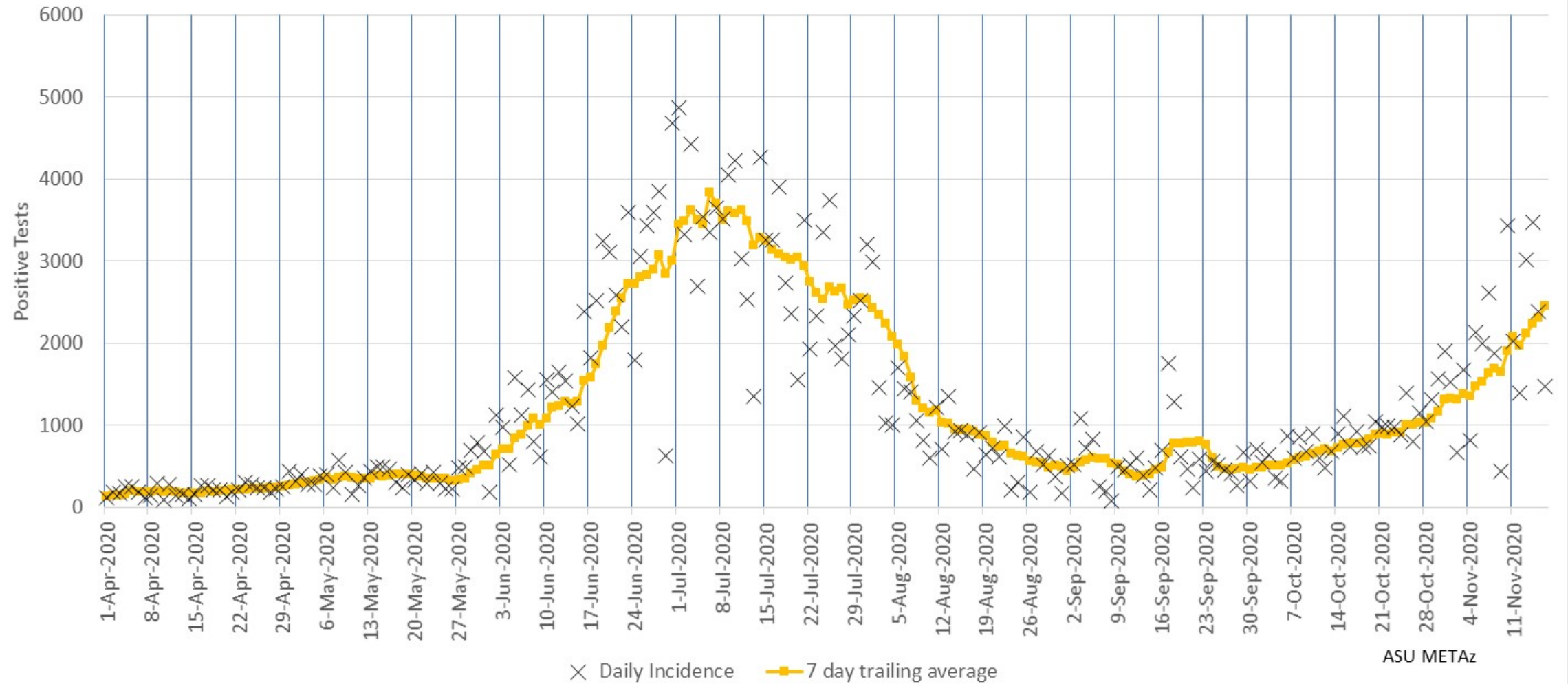
Arizona Statewide Analysis



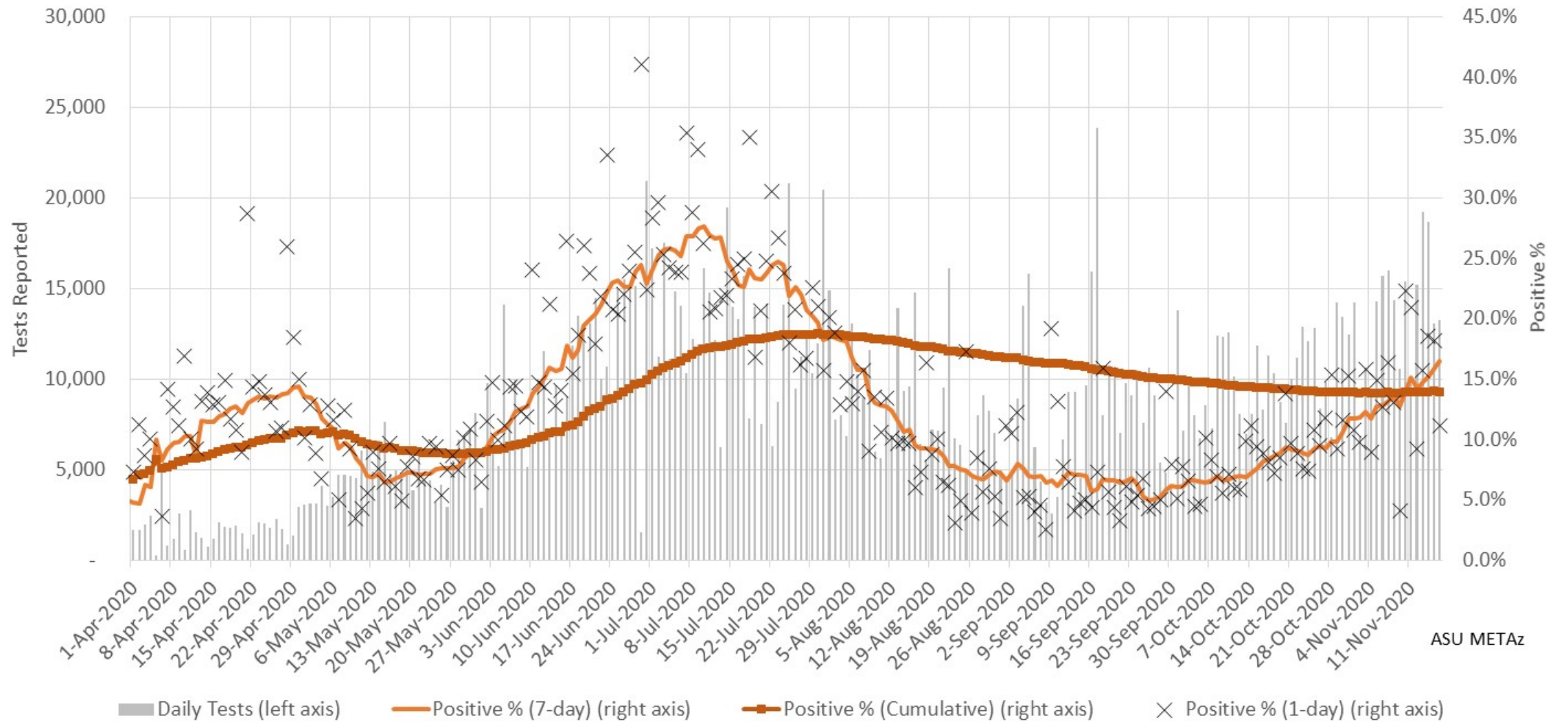
Epidemiology



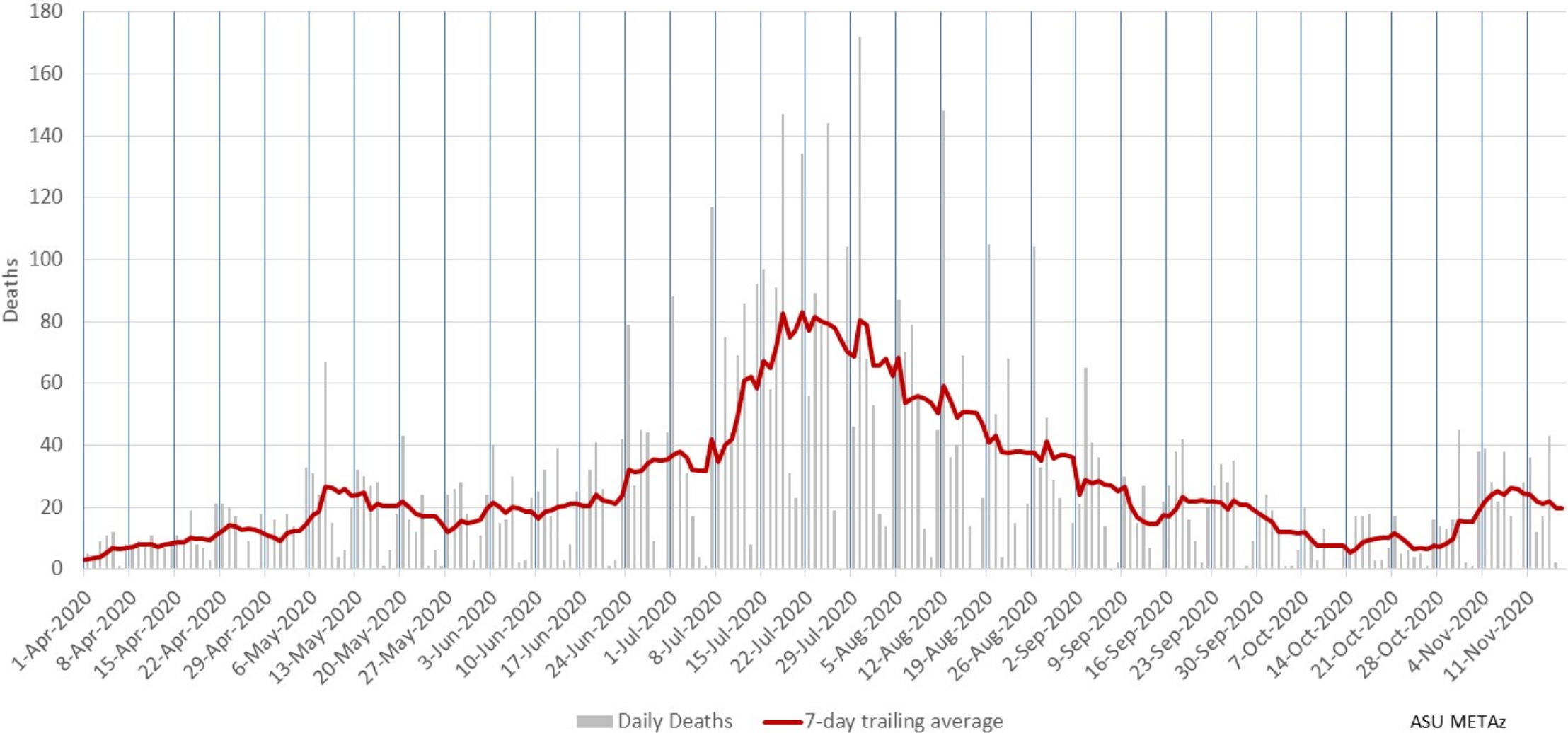
Arizona Statewide Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



Arizona Statewide Rolling weekly positive COVID-19 test rate

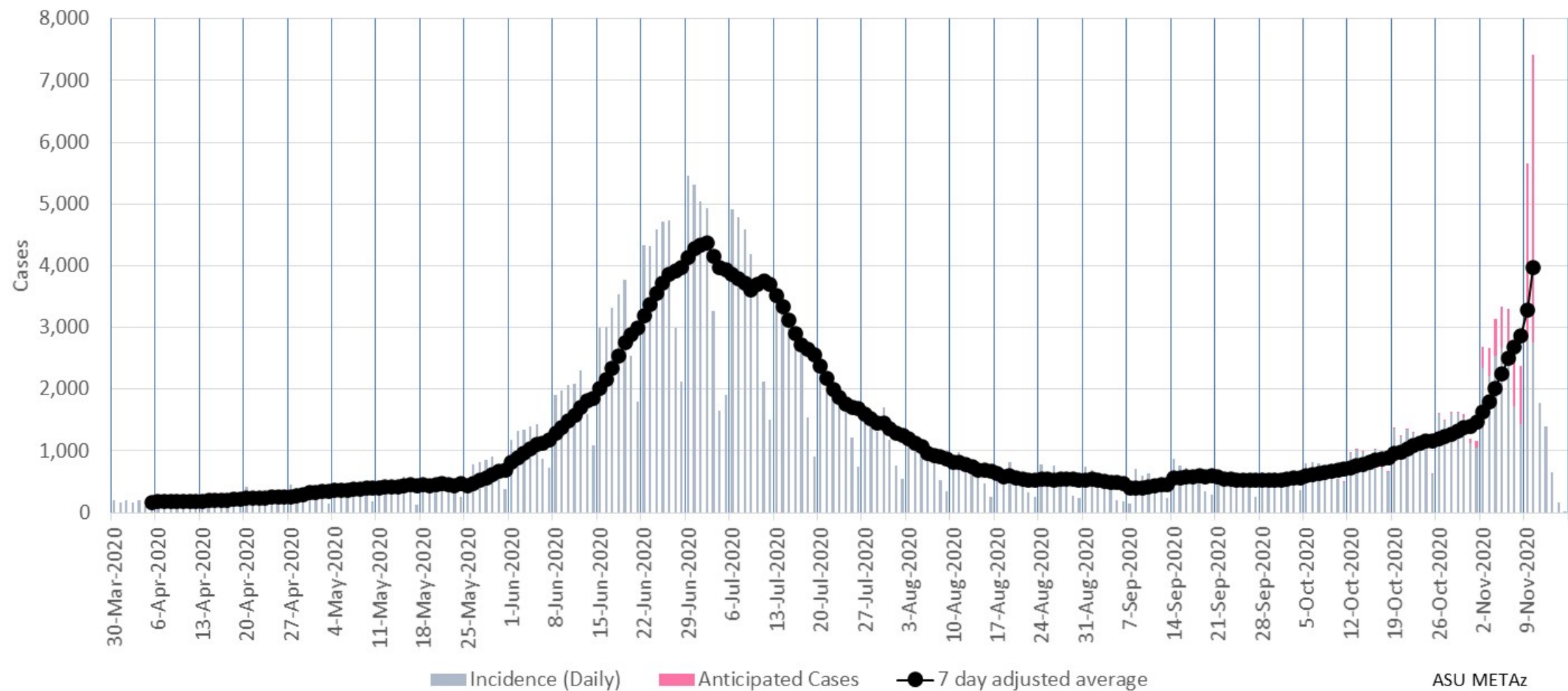


Arizona Statewide Daily COVID-19 Deaths (by date of reporting)

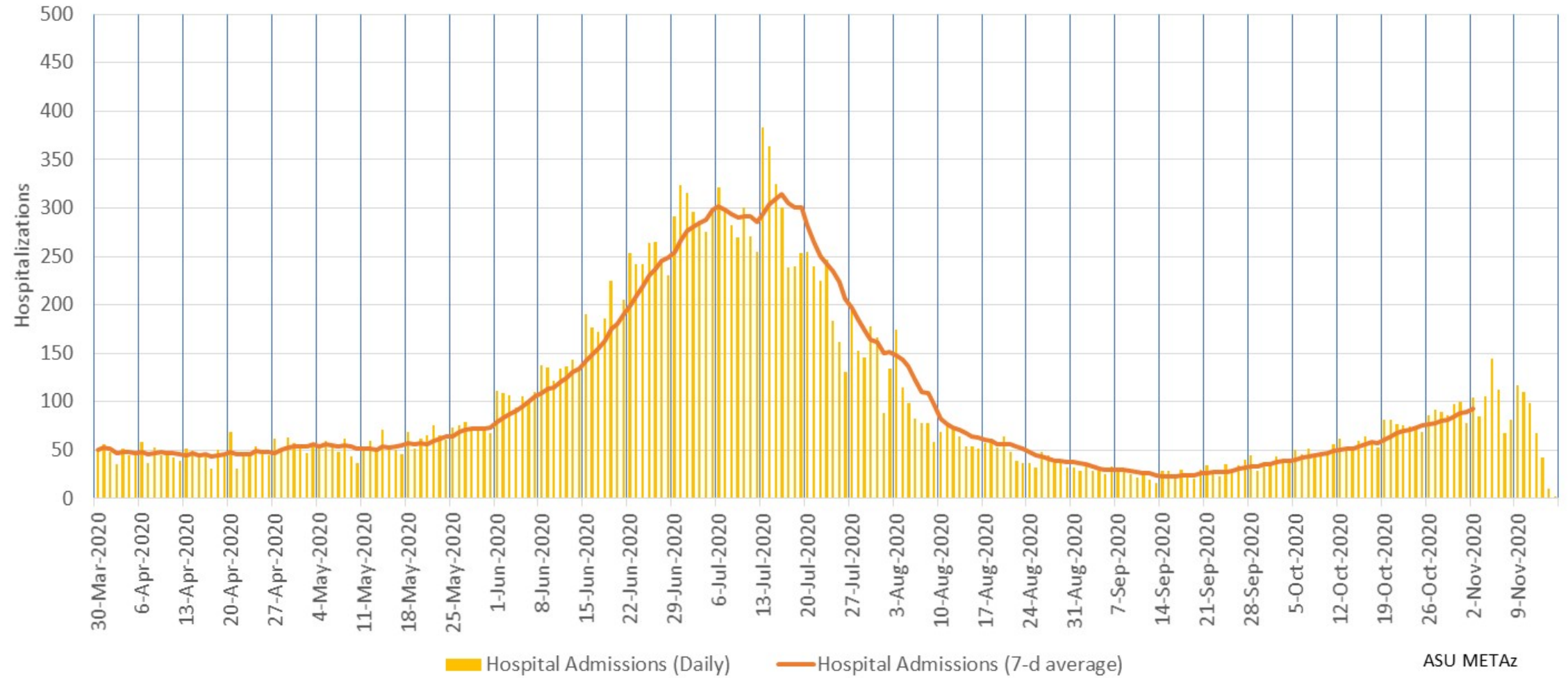


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Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection
(Epi Curve)

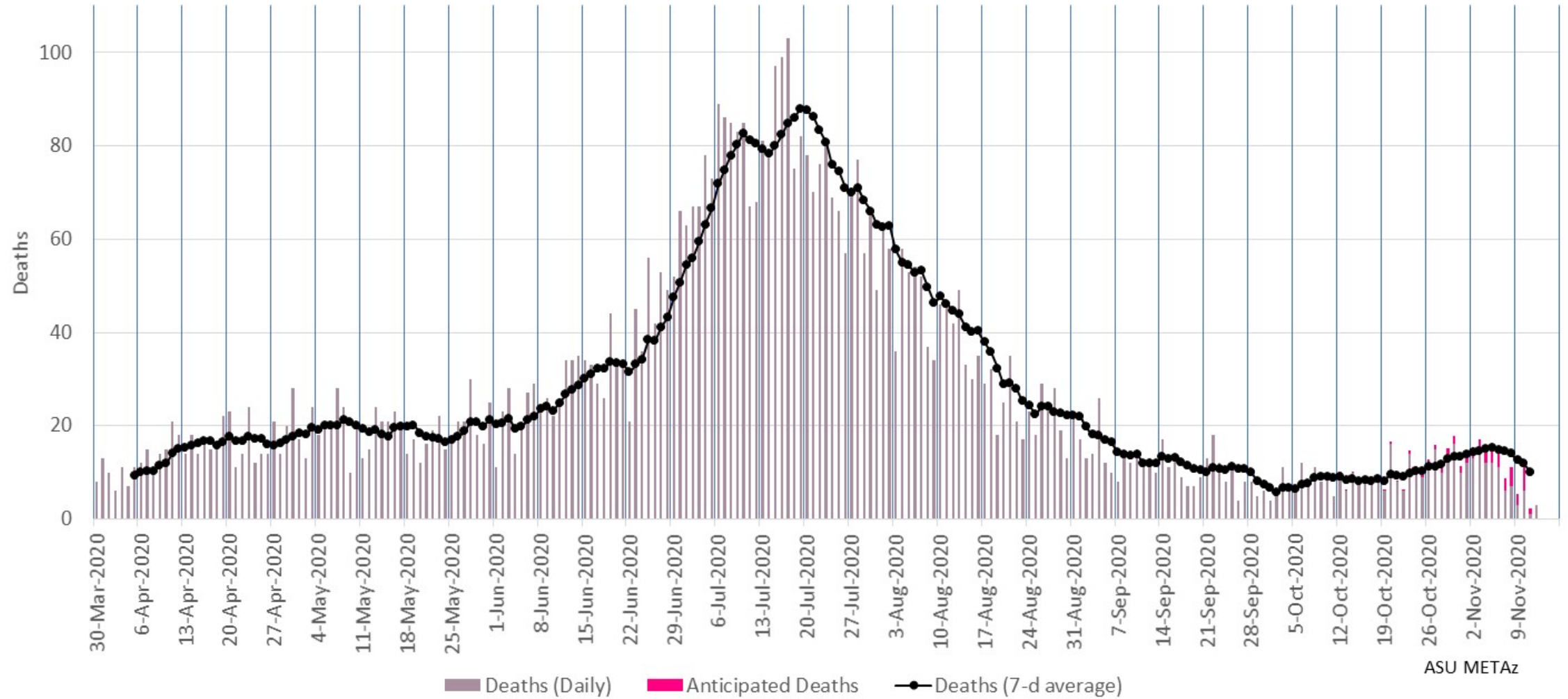


Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization
(Epi Curve)

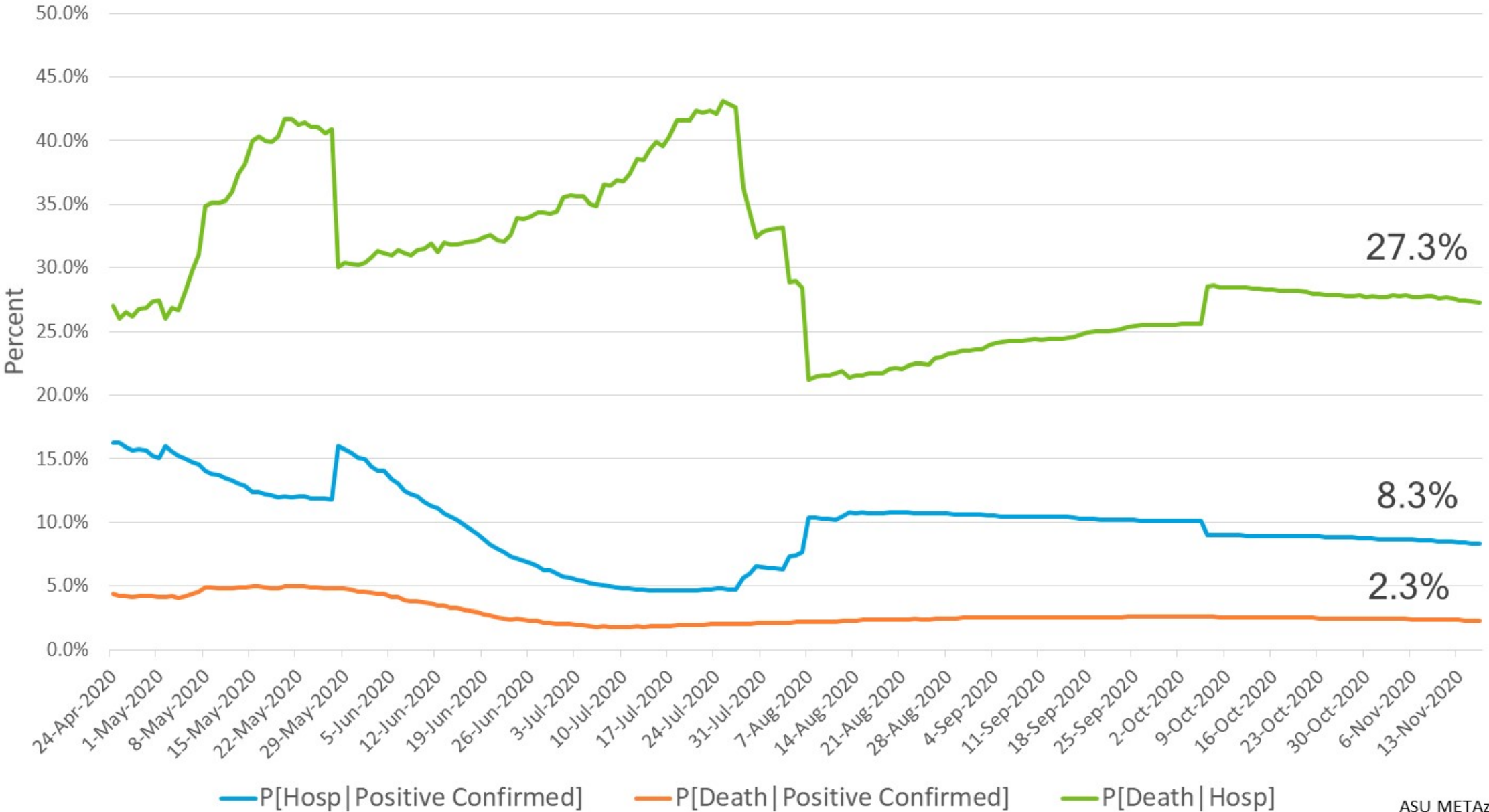


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Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



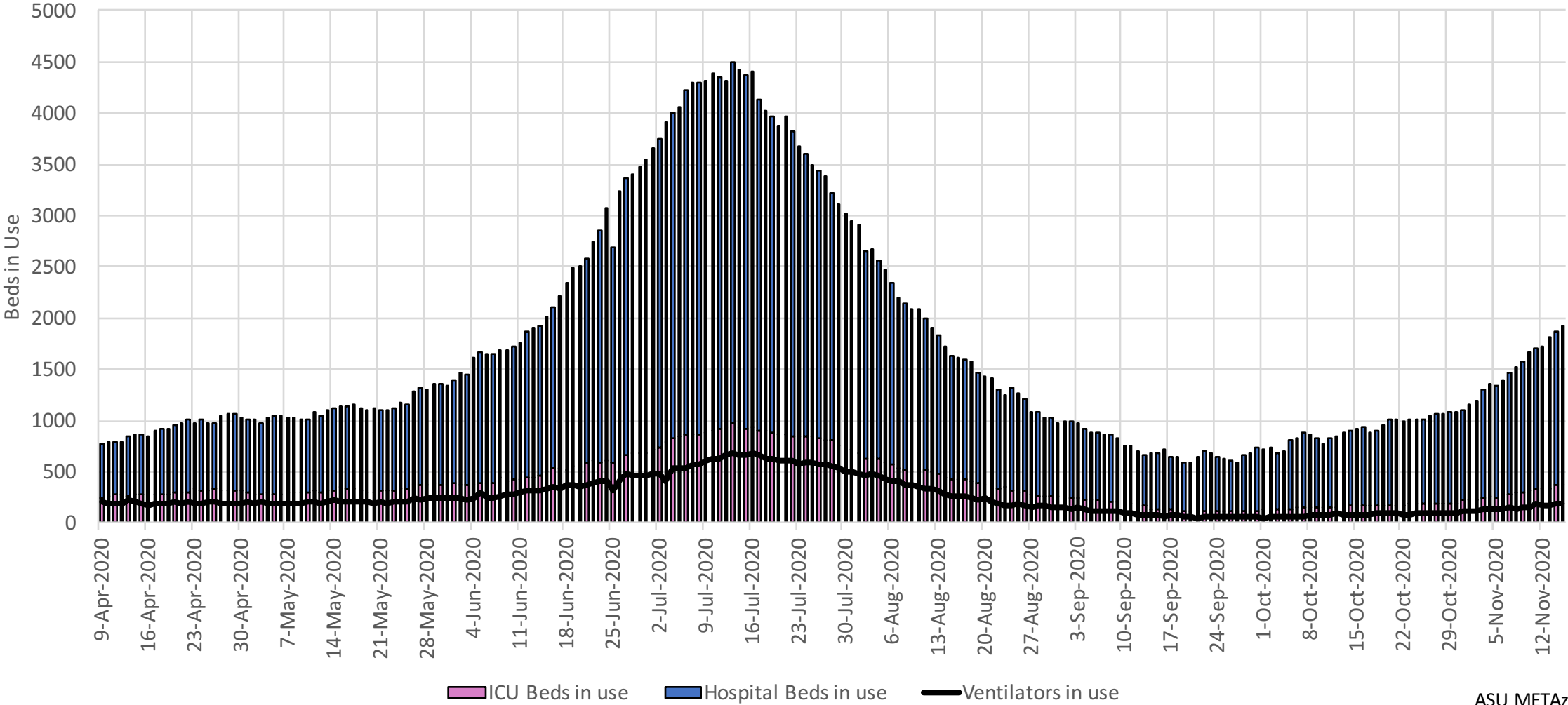
Arizona Statewide Case Fatality and Hospitalization Rates



Hospital Usage

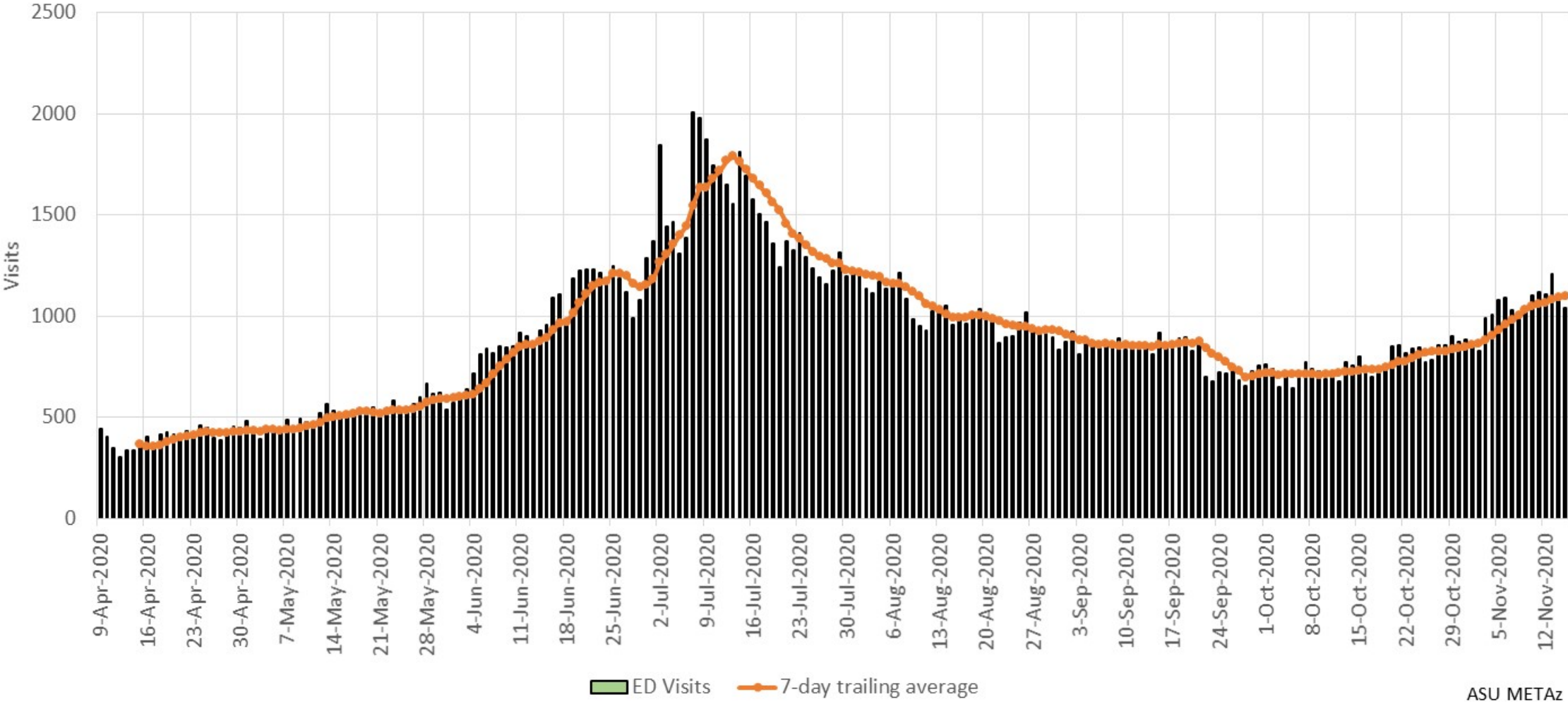


Arizona Statewide COVID-19 Hospital Resource Utilization



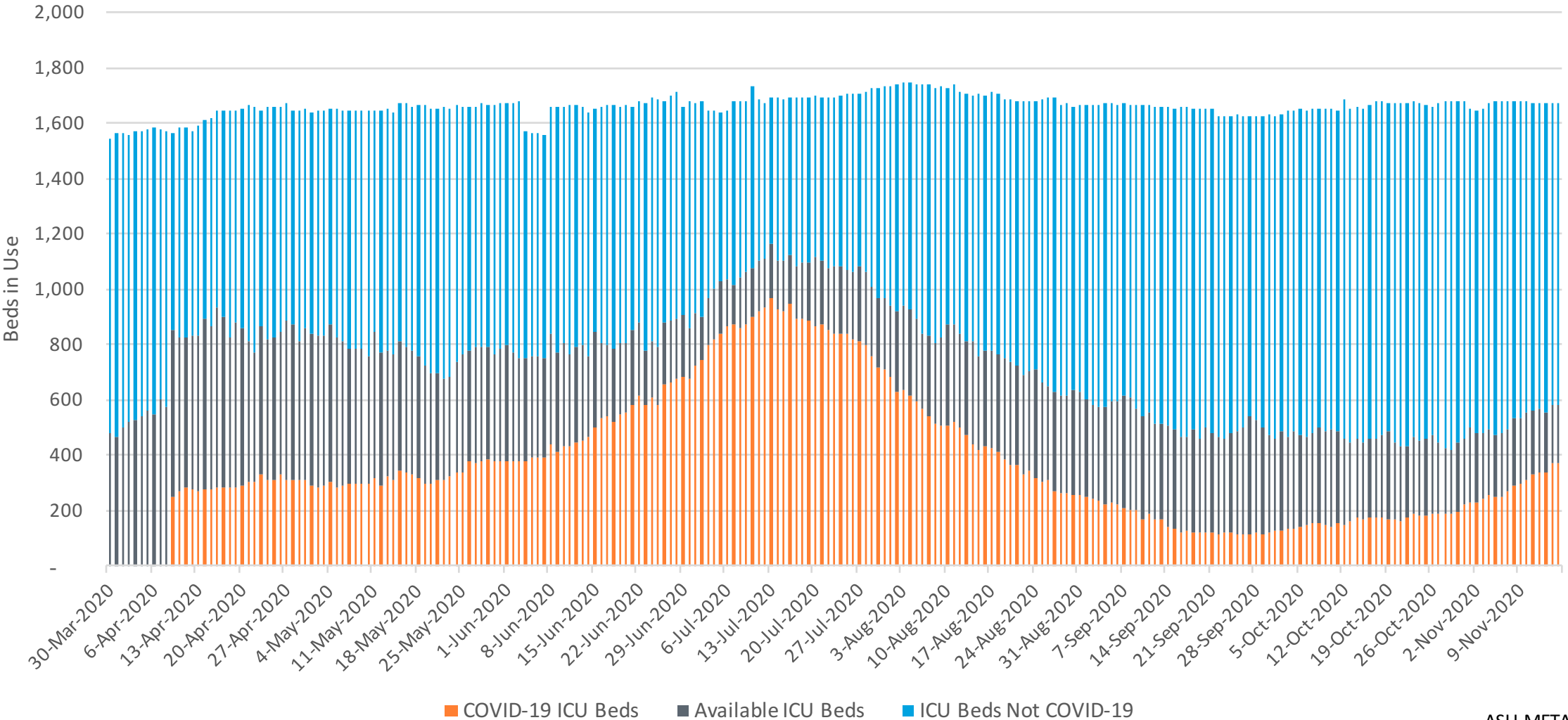
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Arizona Statewide COVID-19
Emergency Department Visits



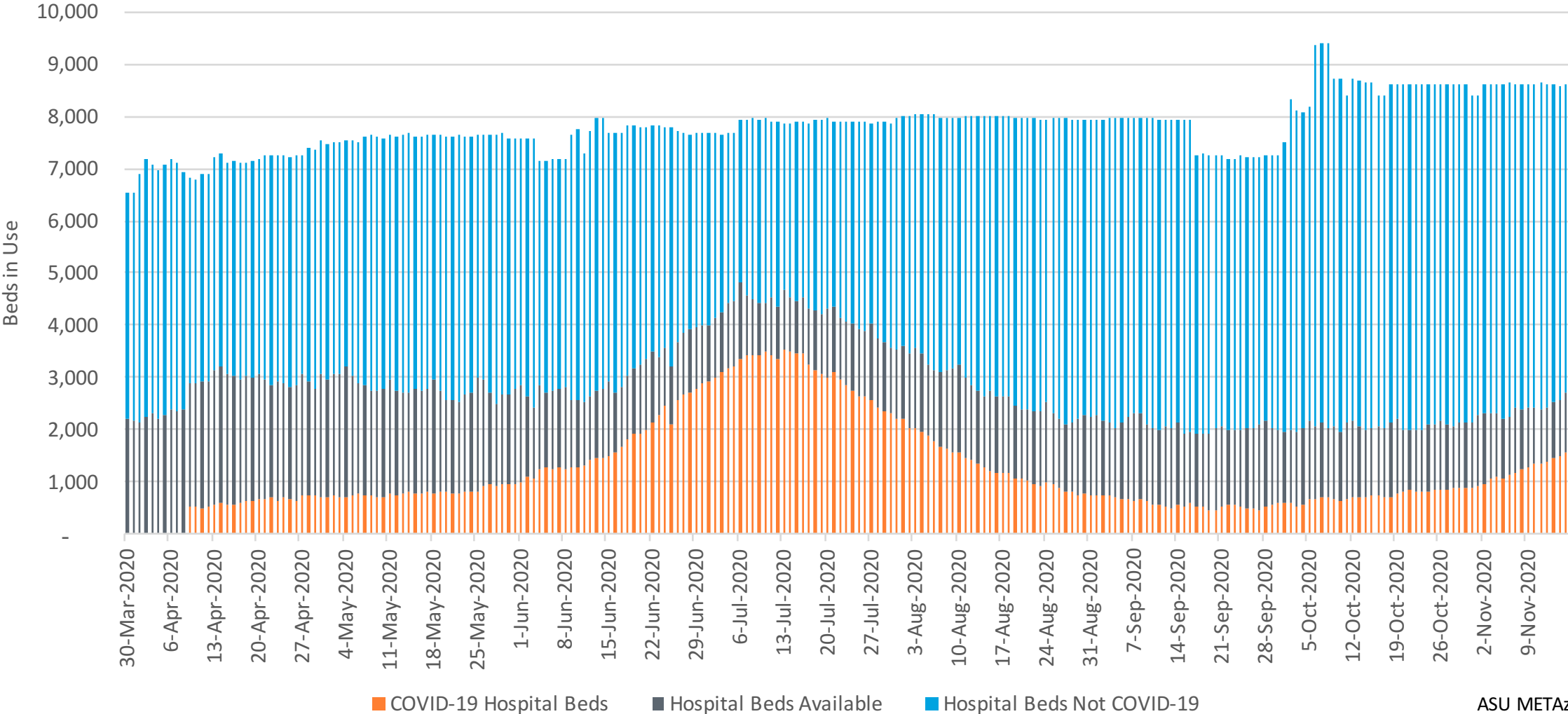
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Arizona Statewide ICU Bed Usage

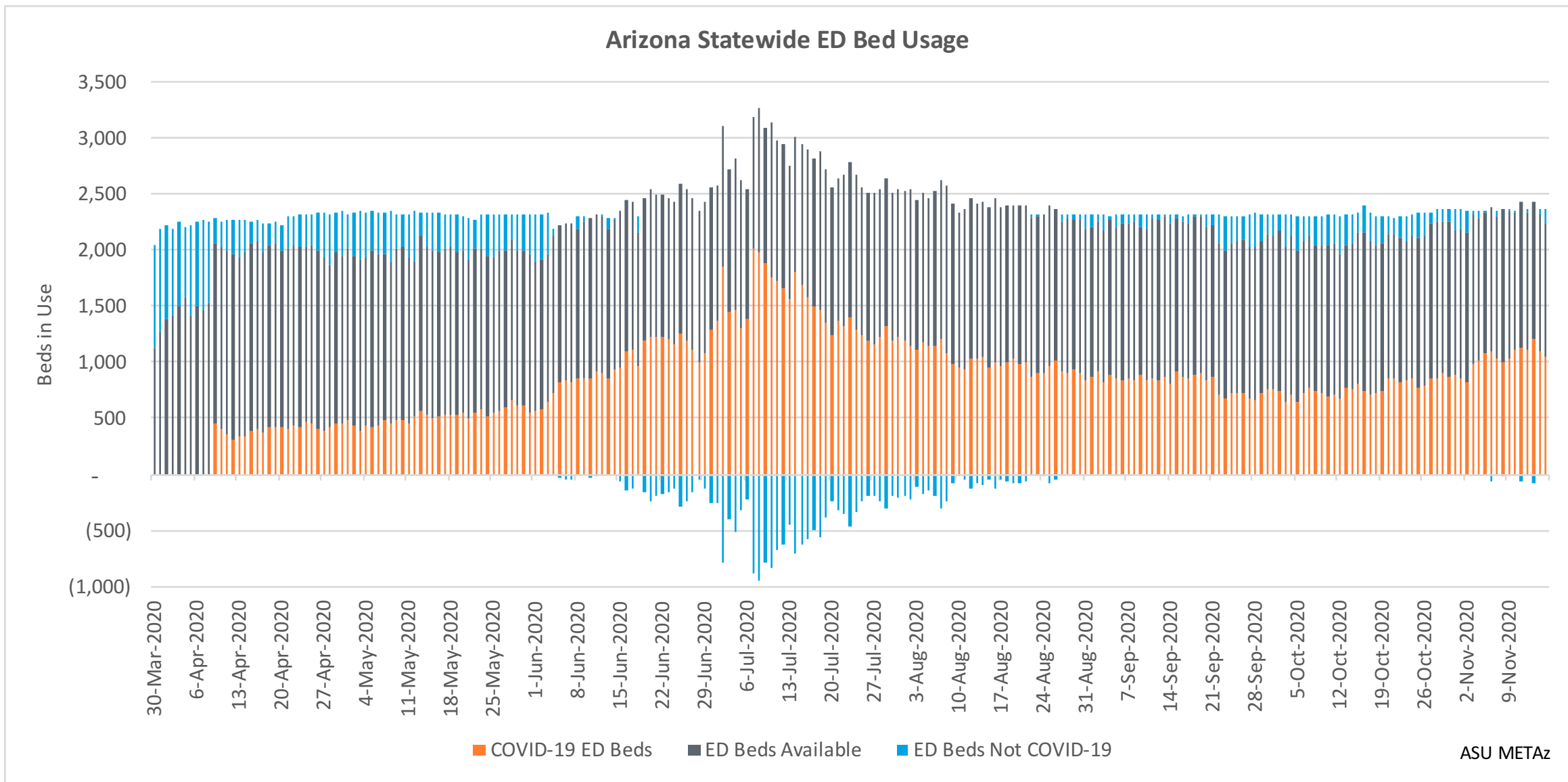


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Arizona Statewide Inpatient Bed Usage



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