



COVID Epidemiology Situation Update

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November 2, 2020

Summary

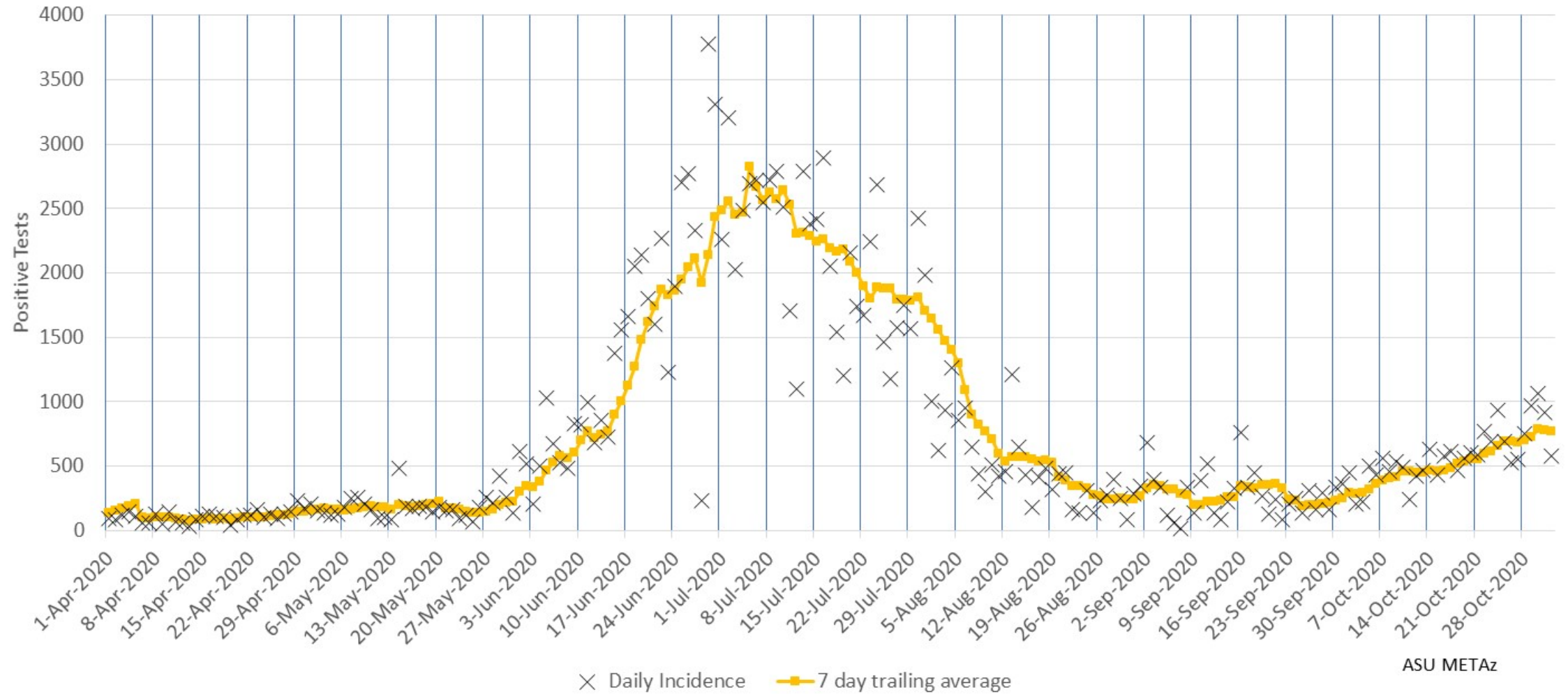
November 2, 2020				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	666	248,139	403	160,184
PCR Tests	6,835	1,792,602	4172	1,055,909
% Positive	9.7%	13.8%	9.7%	11.3%
Hospitalizations	15	21,573	5	13,443
Deaths	1	5,982	1	3,609
<i>All data pulled from azdhs.gov. Numbers may not match Maricopa county data.</i>				

- Today's statewide case count is 666, with 403 cases (60%) in Maricopa County, similar to population distribution. This represents a typical drop in cases reported on Monday due to weekend effect. The 7-day average for reported cases is now 1311.
- The epi curve continues to increase in Maricopa County and statewide. The pattern observed now remains concerning for early phases of potential exponential growth.
- Percent positivity is 9.7% both statewide and in Maricopa County with a significant drop in testing numbers reported today. Significantly more testing is needed to characterize the extent of the current outbreak.
- Hospital utilization and ED visits continue to increase, with inpatient bed usage for COVID-19 at levels similar to late May (just prior to the onset of exponential growth). There is no indication that hospital resources are at imminent risk of becoming overwhelmed.

Maricopa County Analysis



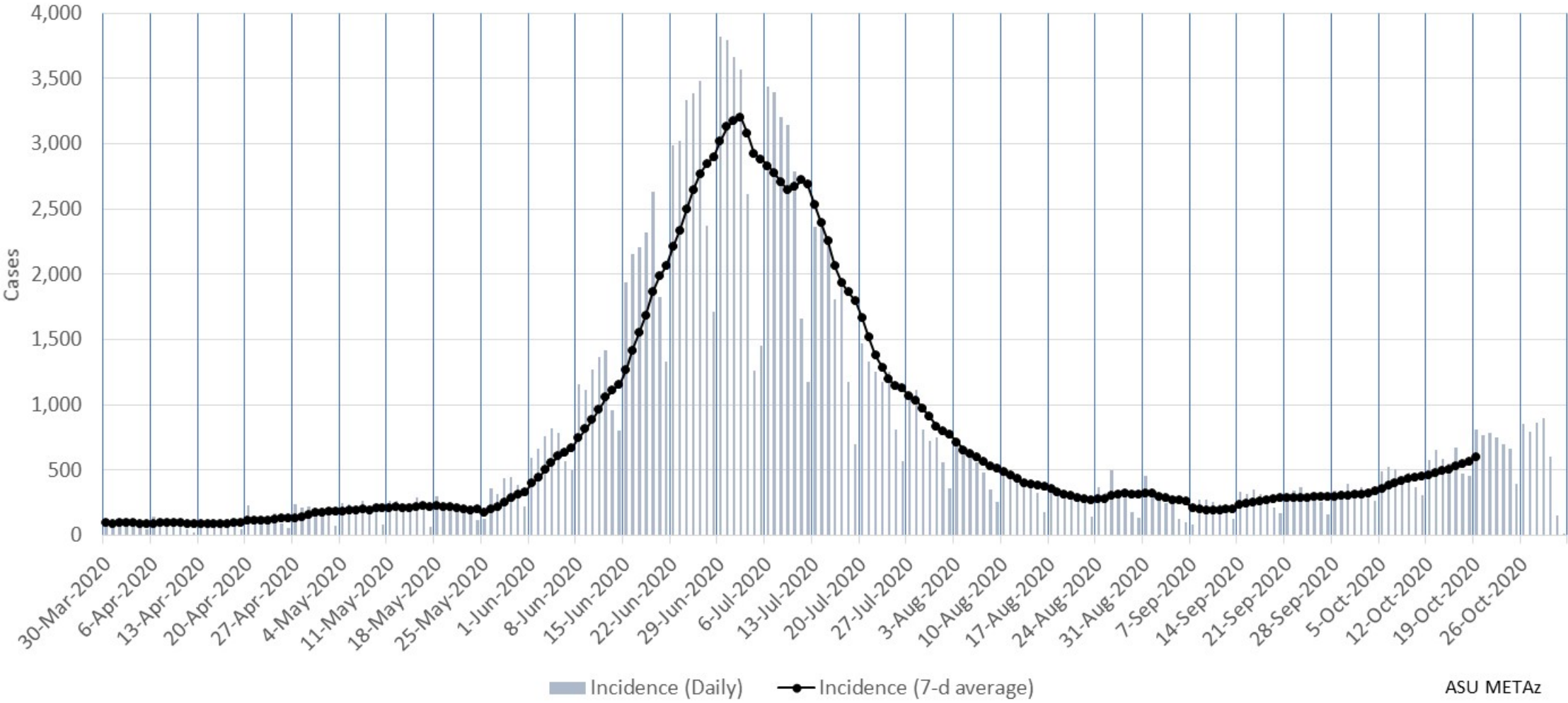
Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



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

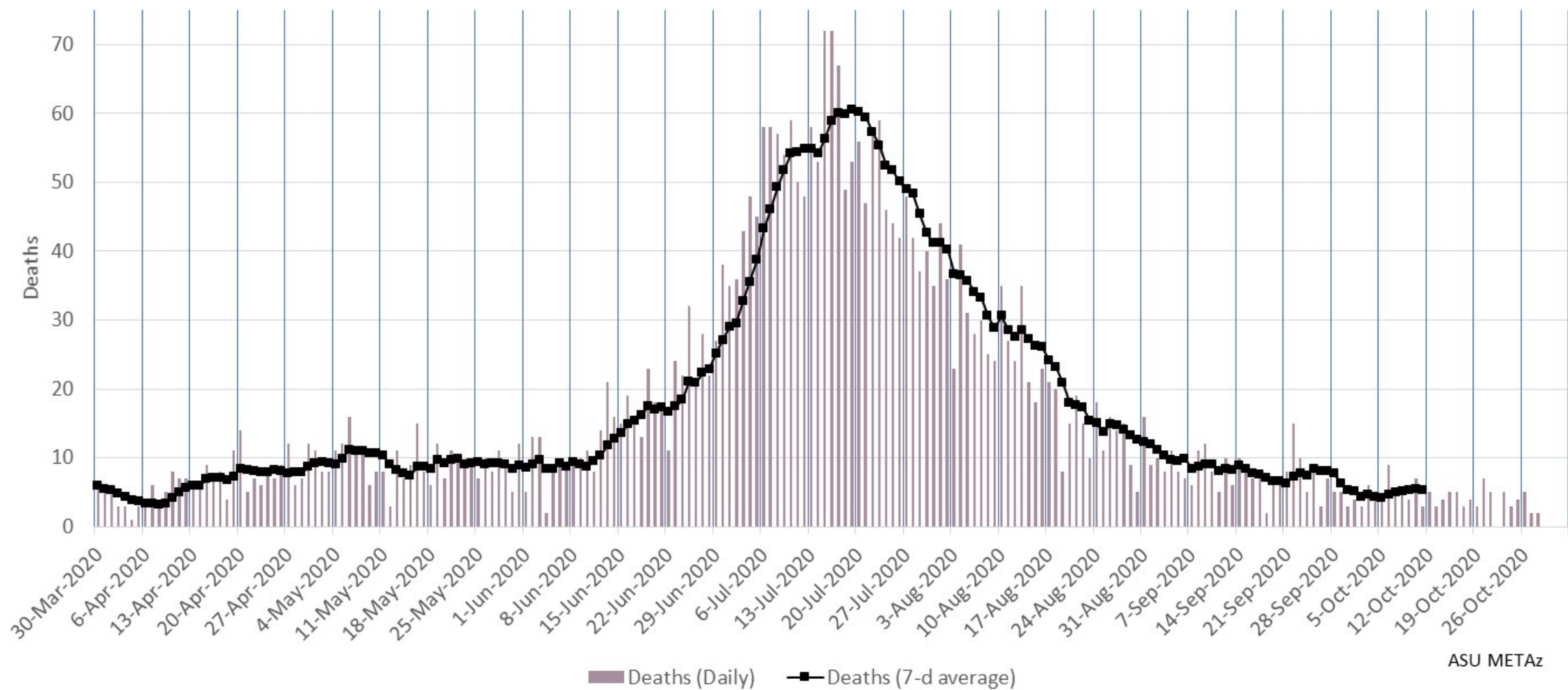


Maricopa County Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)



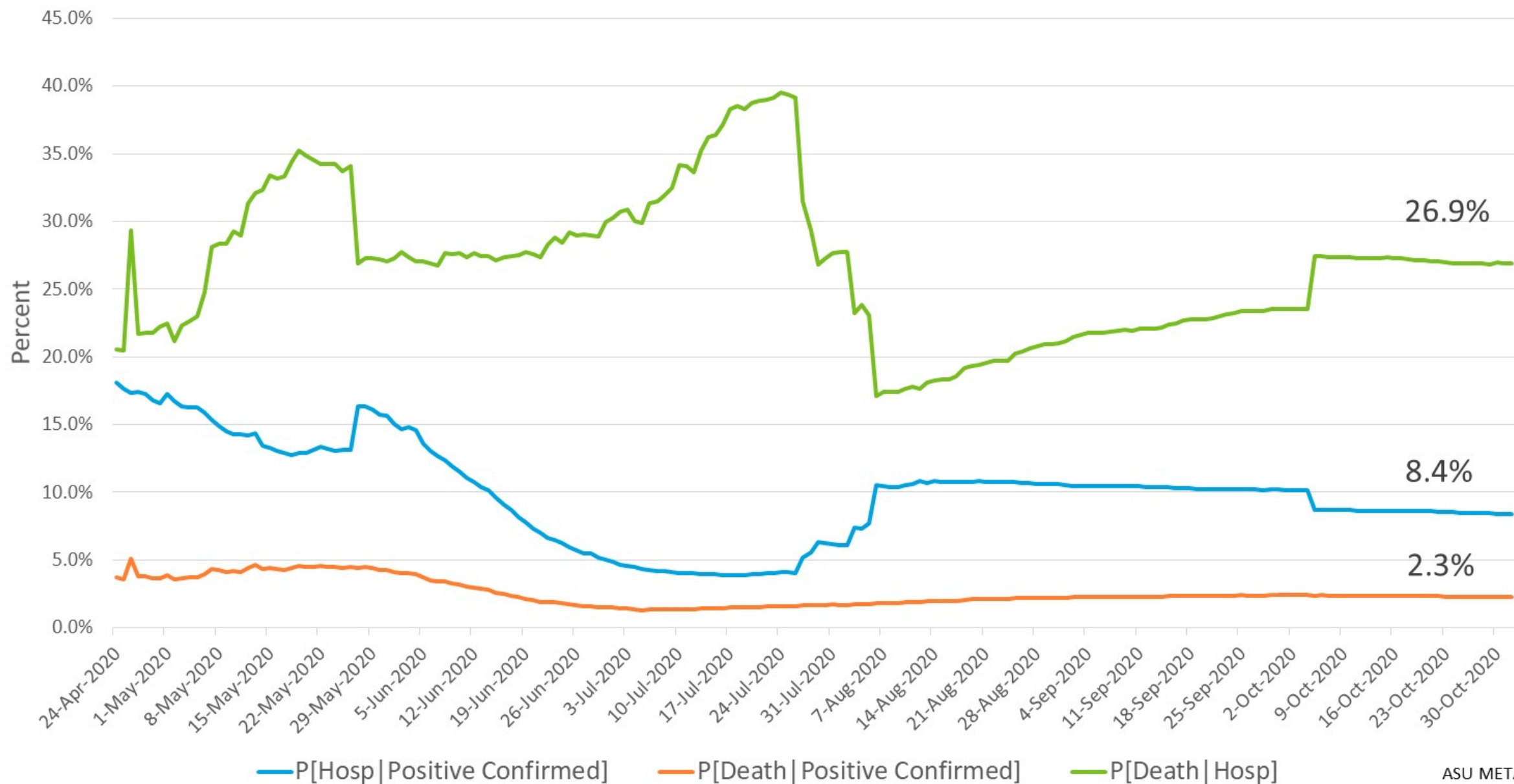
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Maricopa County Daily COVID-19 Deaths by Date of Death
(Epi Curve)



ASU METAz

Maricopa County Case Fatality and Hospitalization Rates



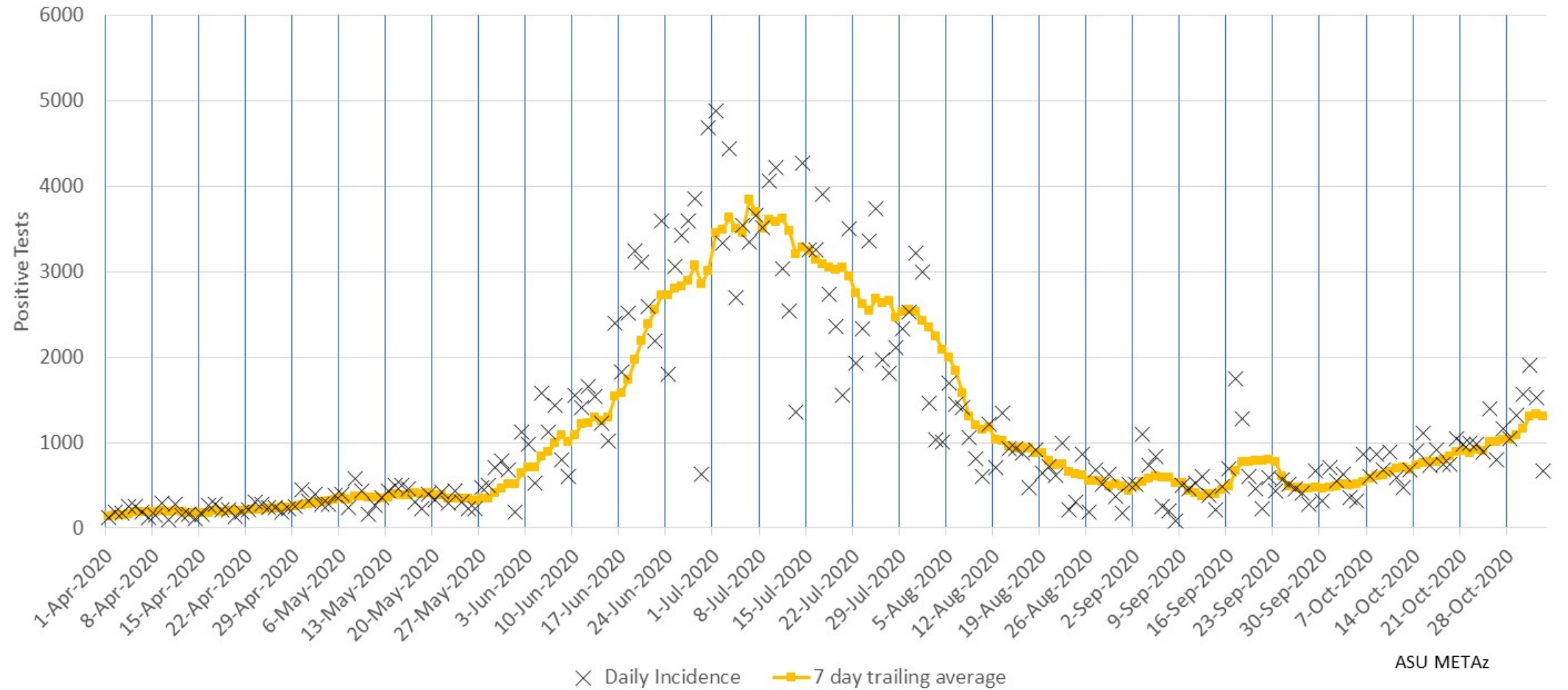
Arizona Statewide Analysis



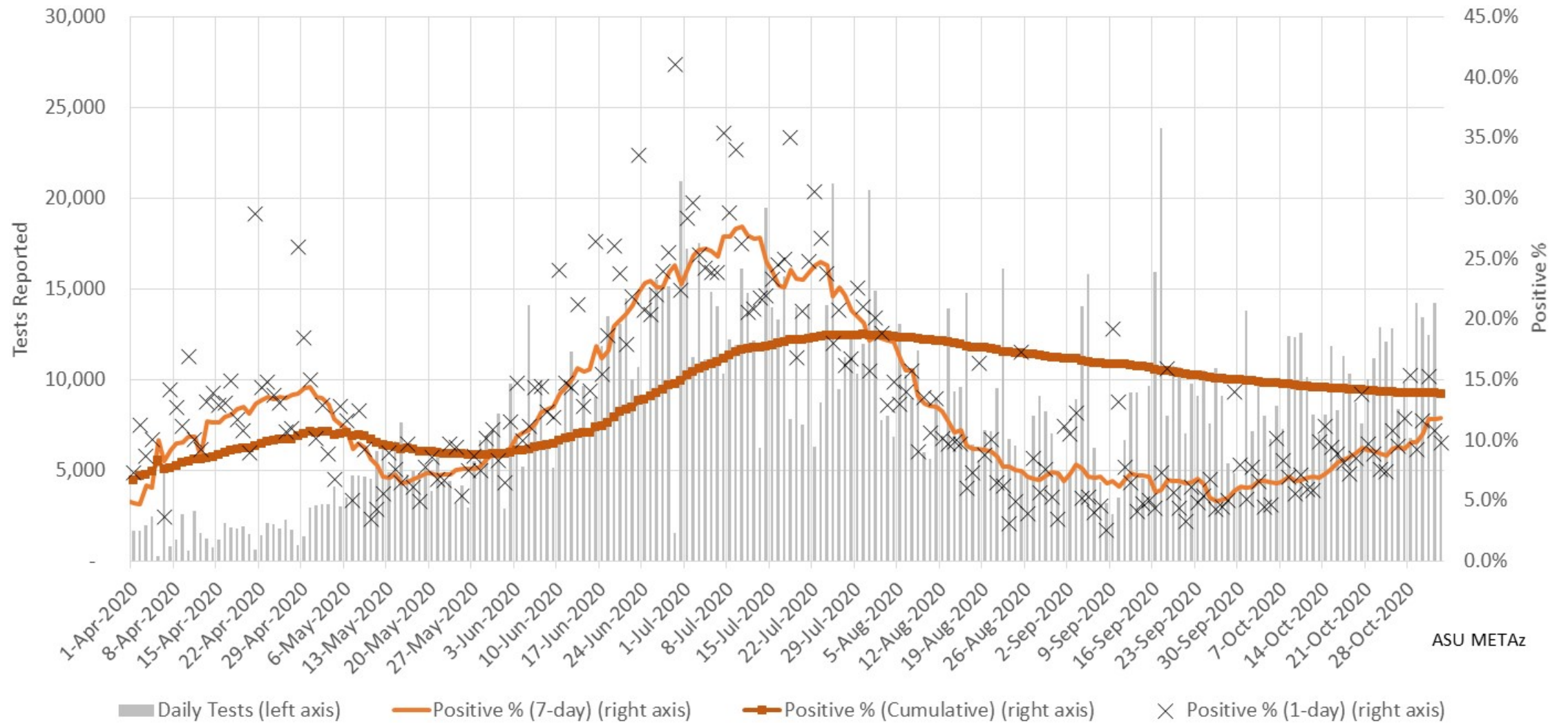
Epidemiology



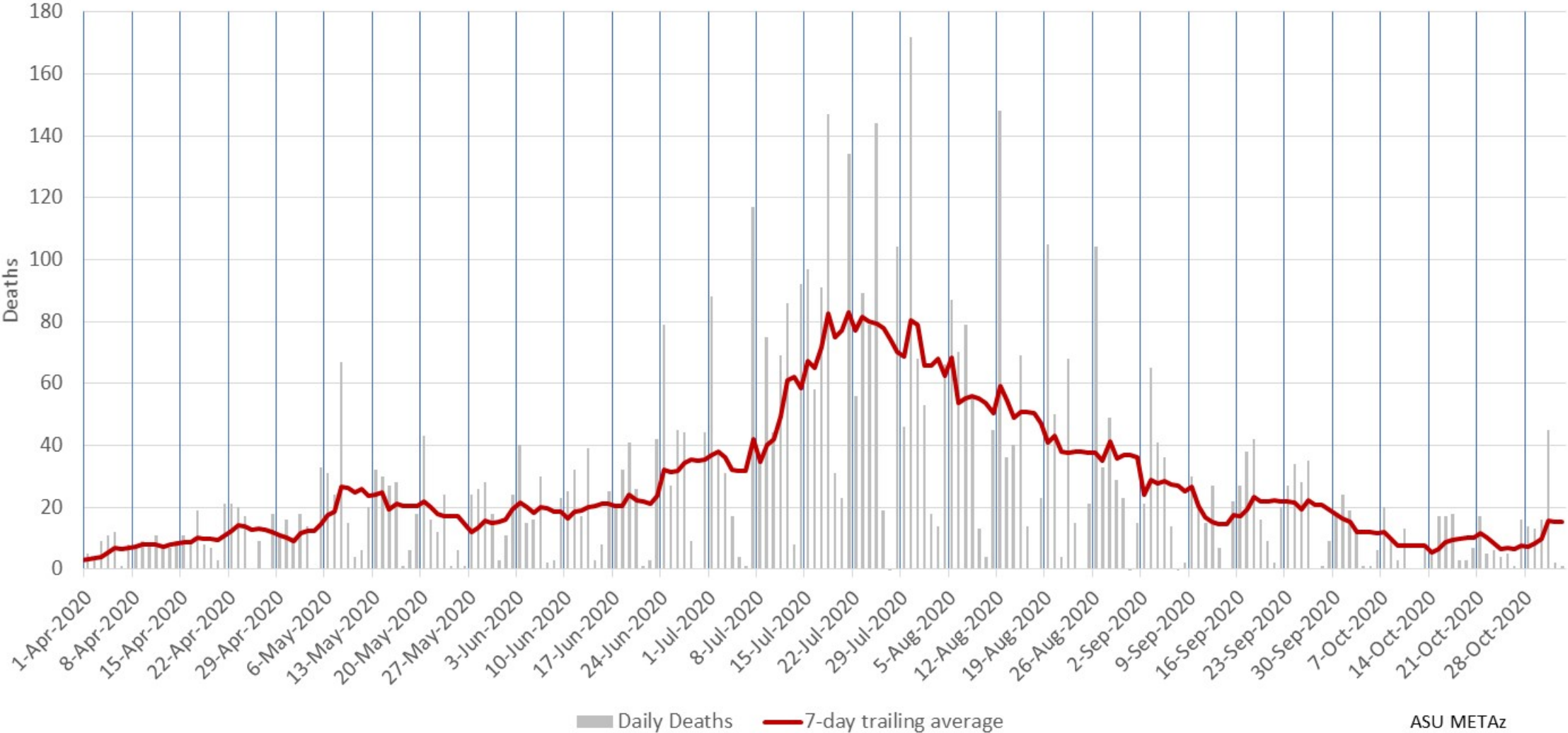
Arizona Statewide Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



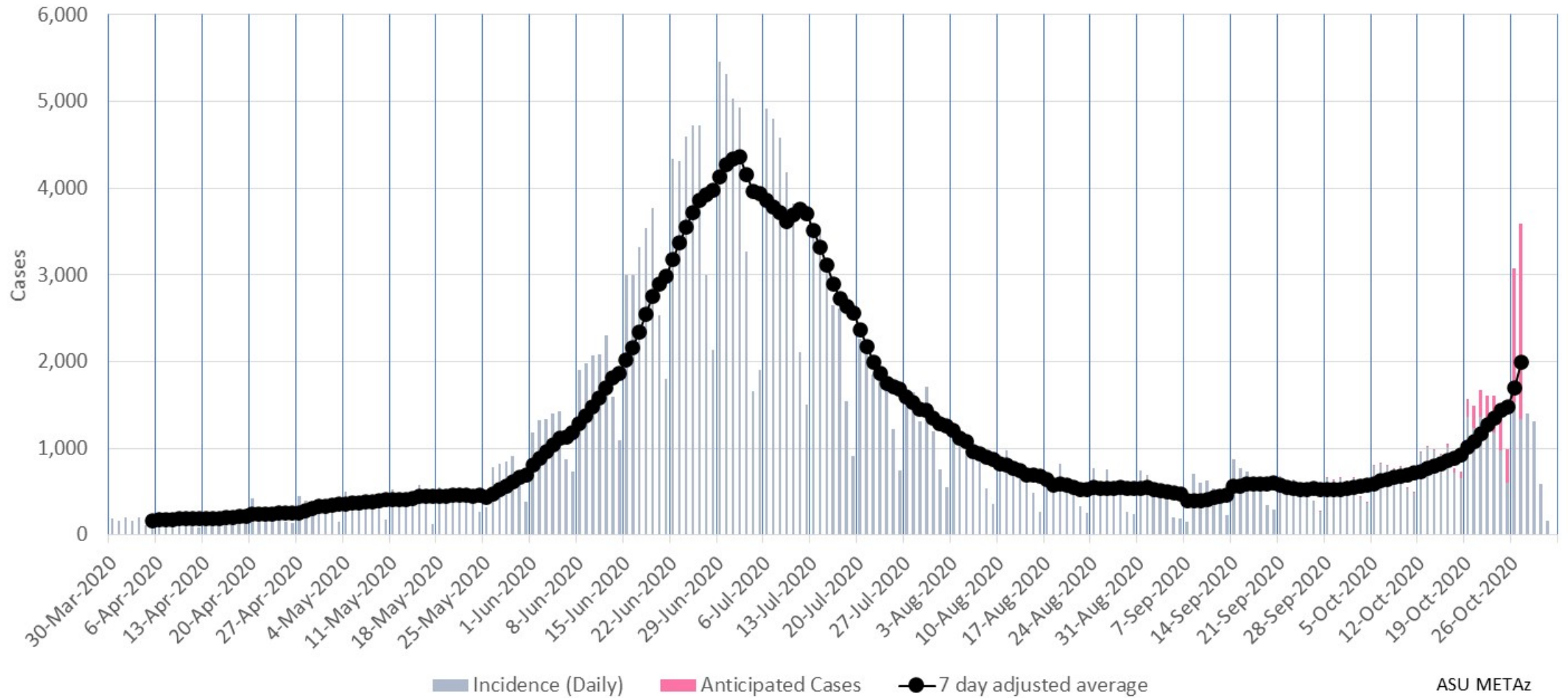
Arizona Statewide Rolling weekly positive COVID-19 test rate



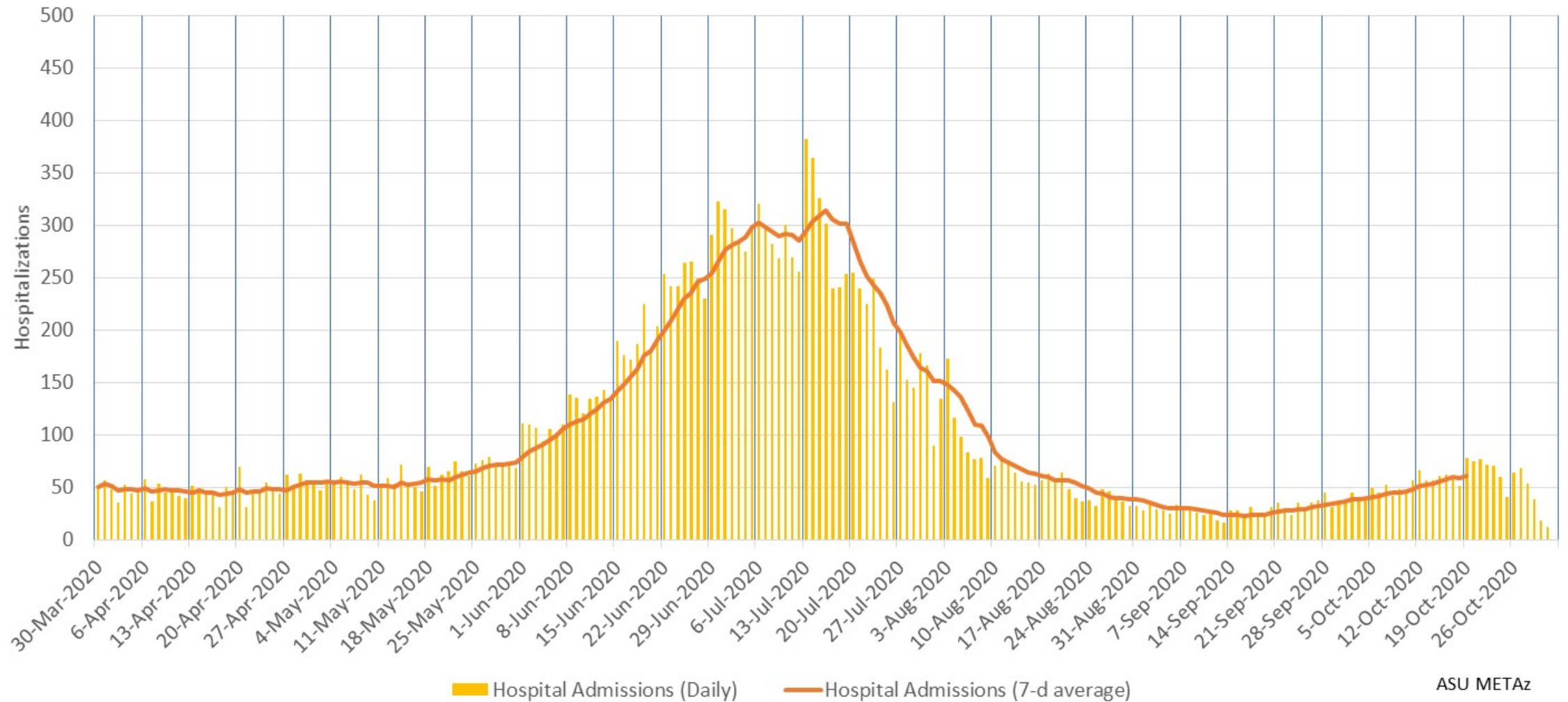
Arizona Statewide Daily COVID-19 Deaths (by date of reporting)



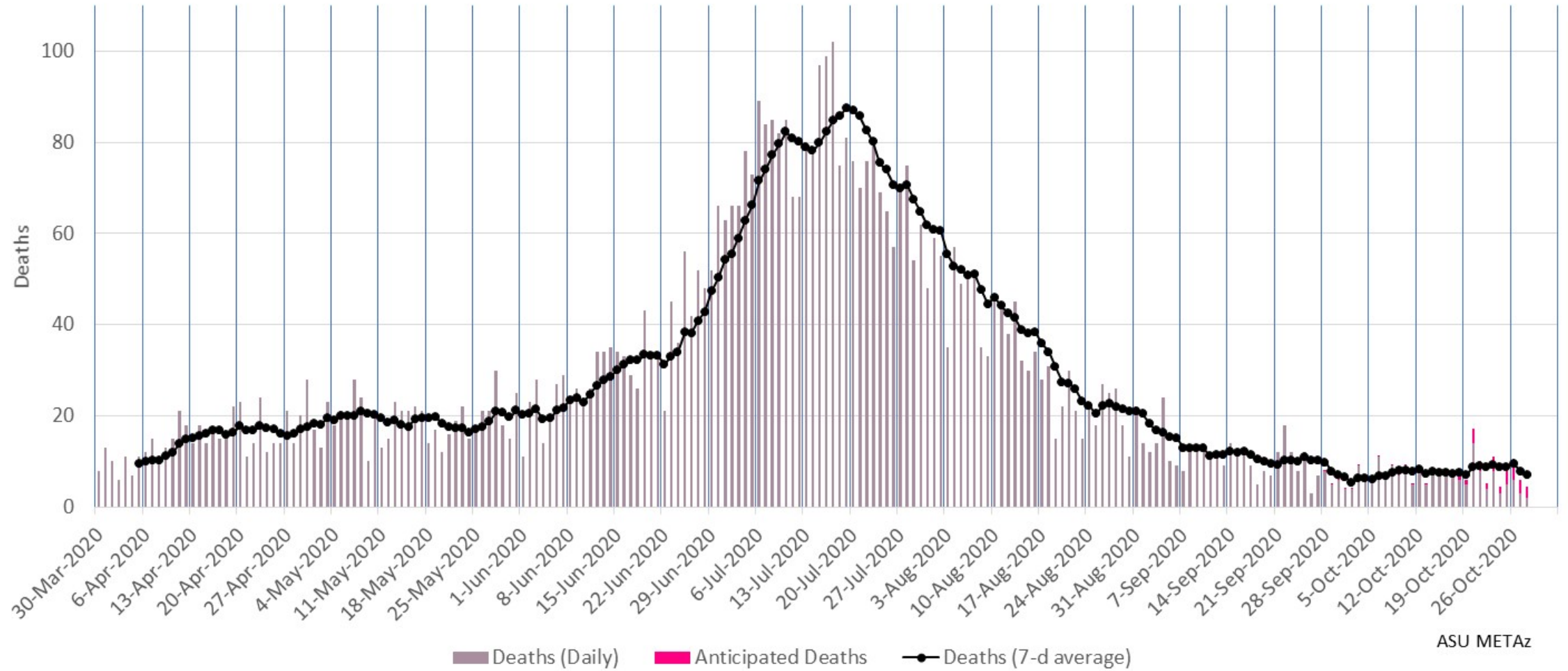
Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection
(Epi Curve)



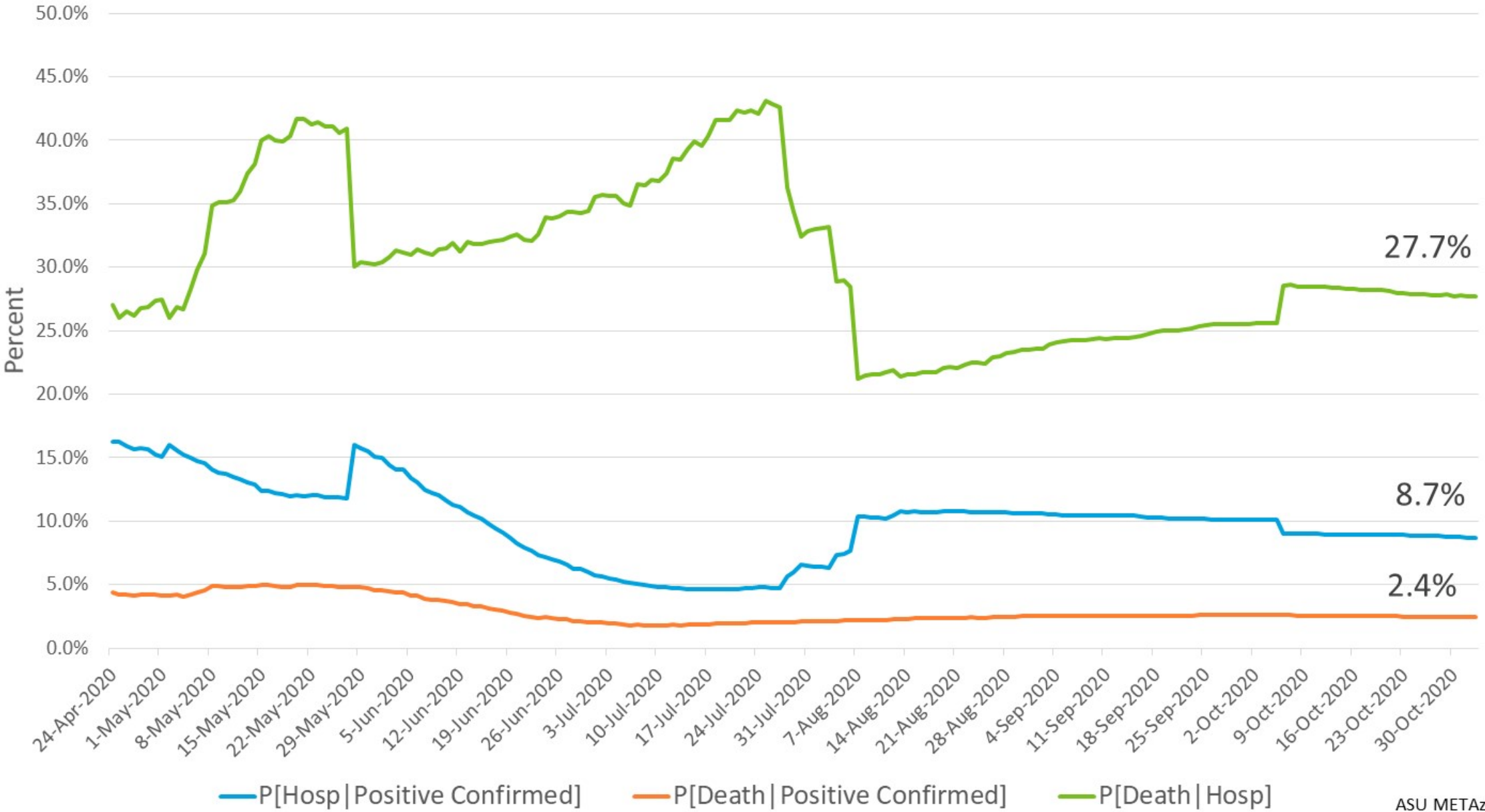
Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)



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



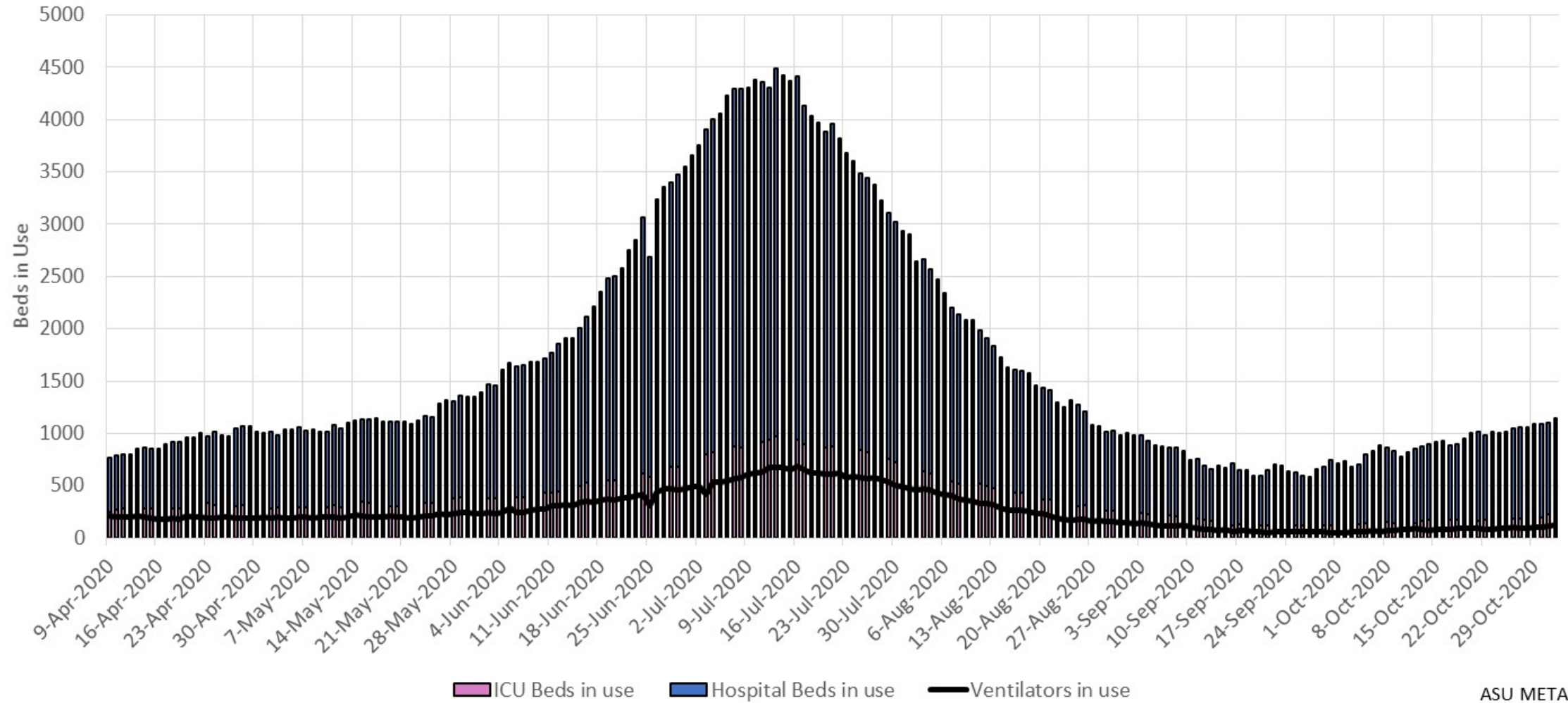
Arizona Statewide Case Fatality and Hospitalization Rates



Hospital Usage

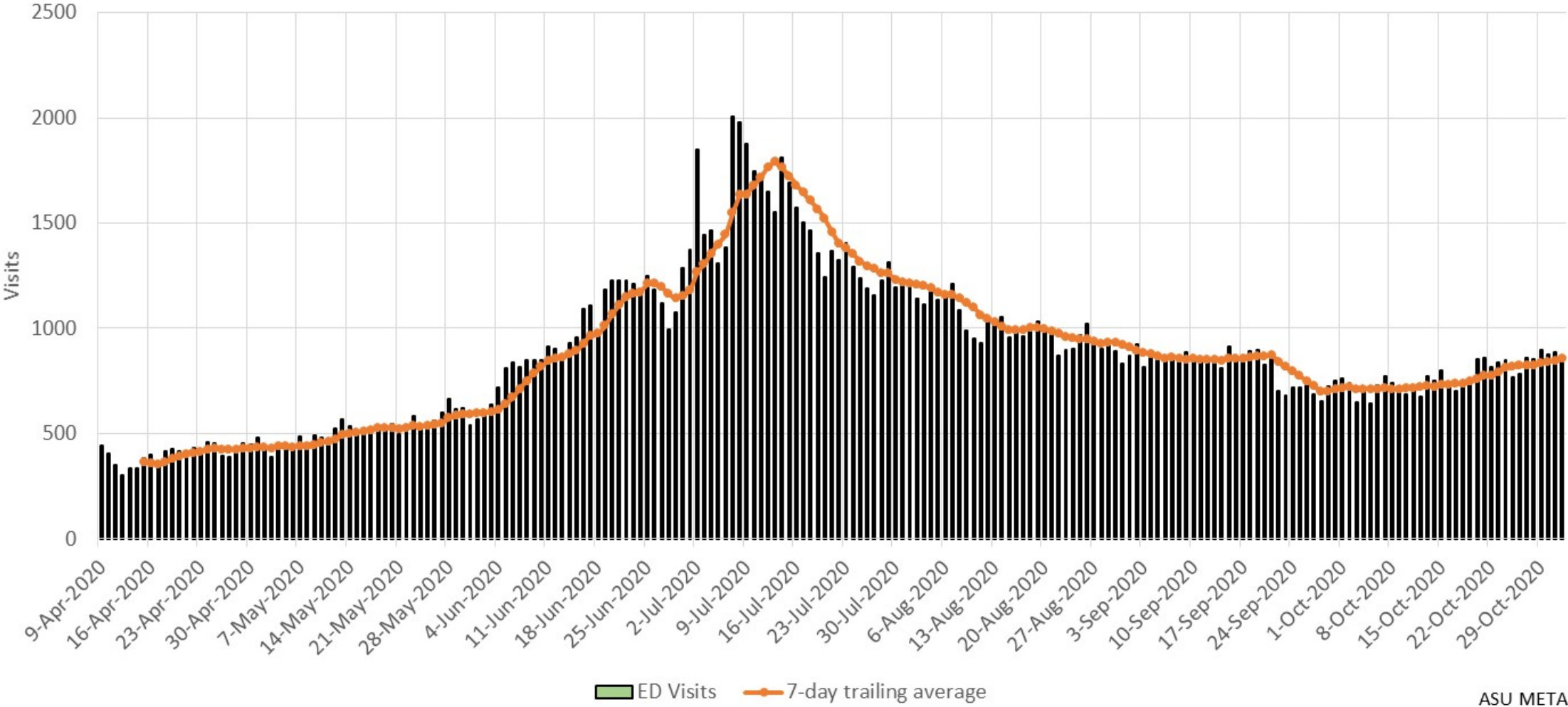


Arizona Statewide COVID-19 Hospital Resource Utilization



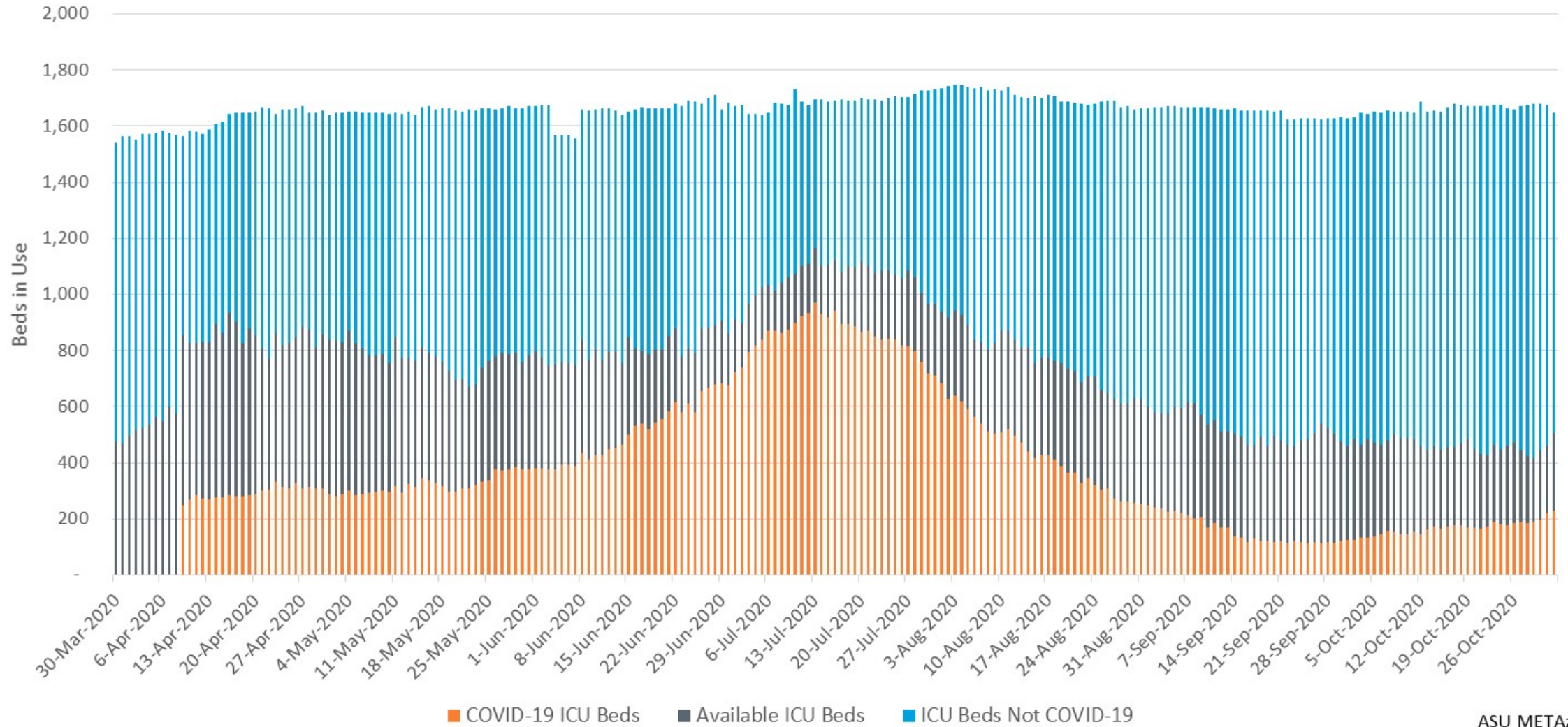
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Arizona Statewide COVID-19
Emergency Department Visits



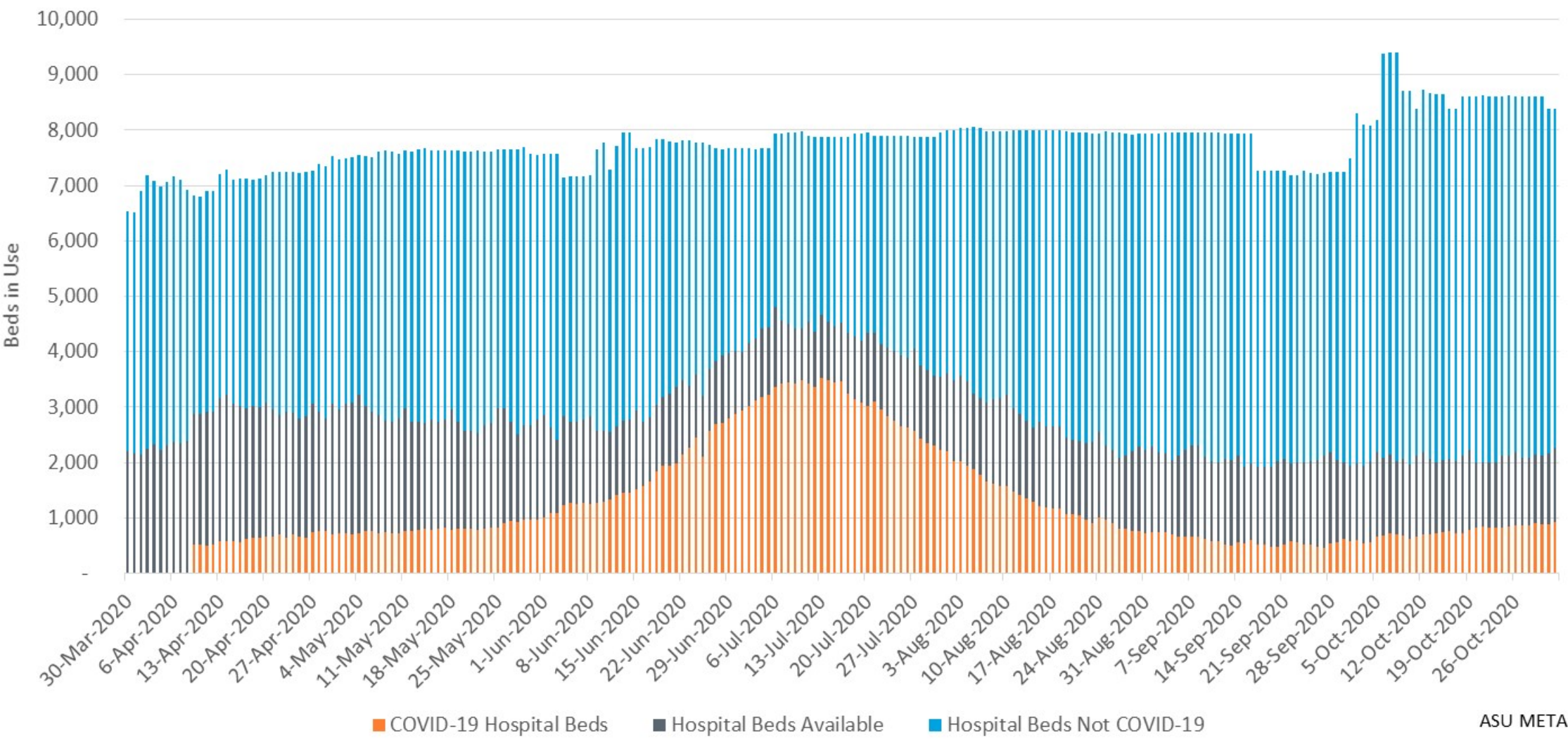
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Arizona Statewide ICU Bed Usage

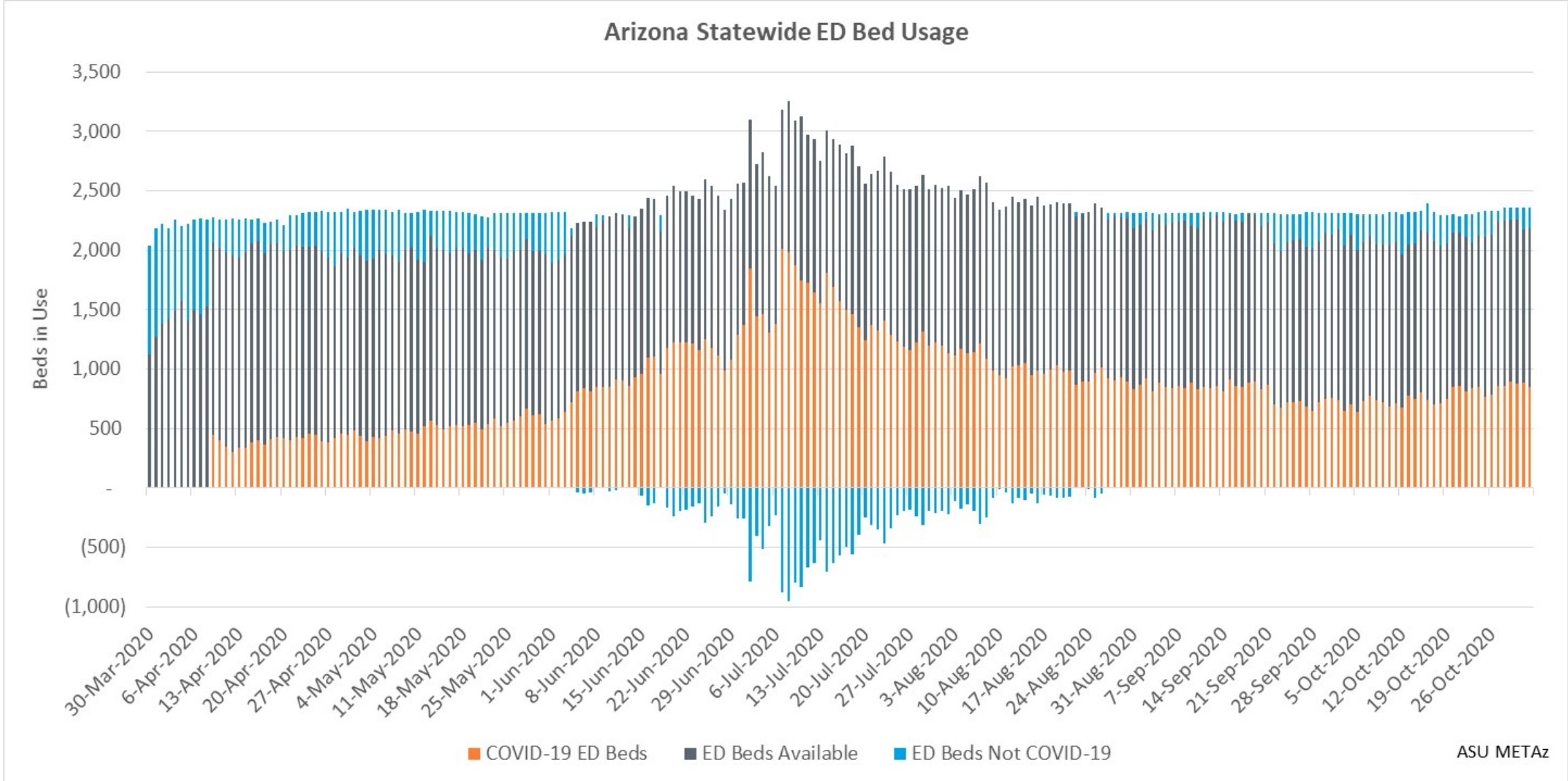


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Arizona Statewide Inpatient Bed Usage



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