



COVID Epidemiology Situation Update

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November 9, 2020

Summary

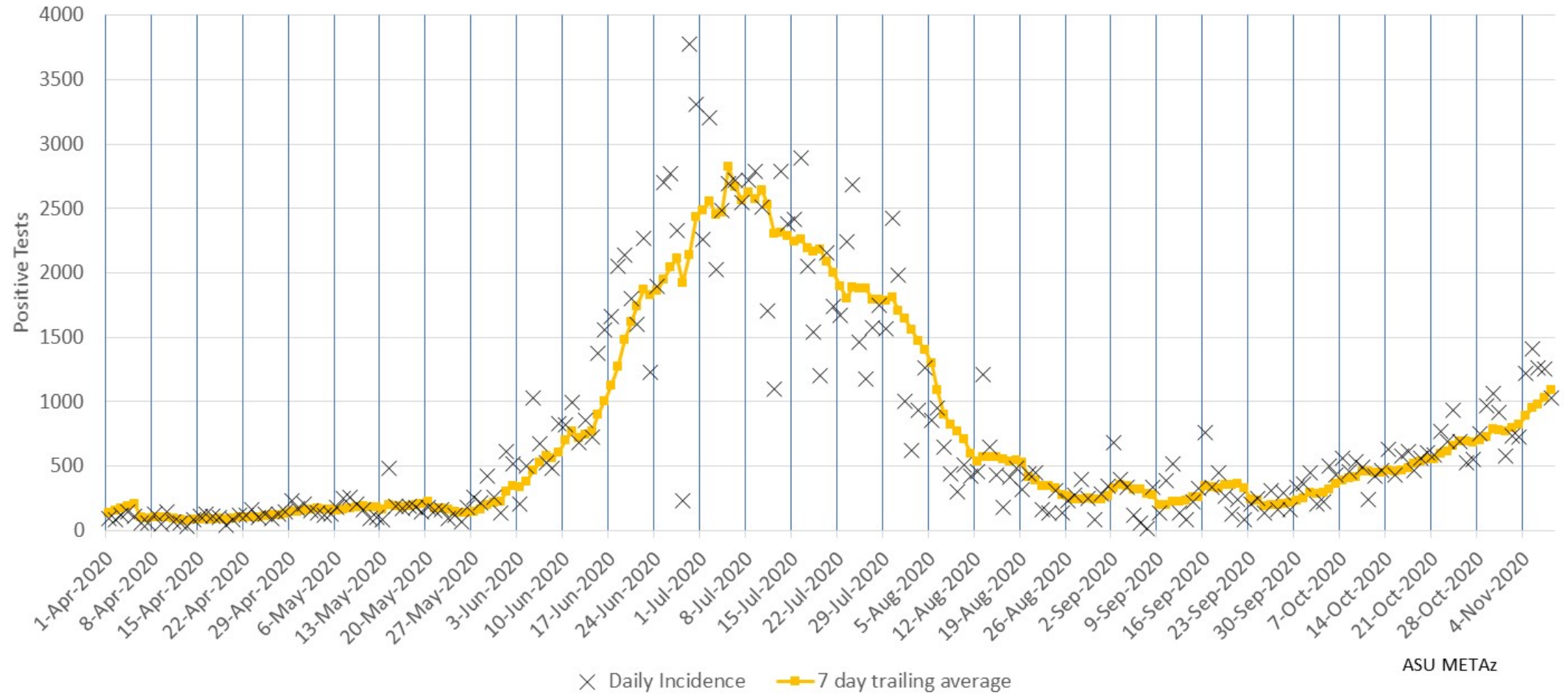
November 9, 2020				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	435	259,699	213	167,063
PCR Tests	10,547	1,883,207	5587	1,108,623
% Positive	4.1%	13.8%	3.8%	11.2%
Hospitalizations	9	22,211	4	13,820
Deaths	0	6,164	0	3,709
<i>All data pulled from azdhs.gov. Numbers may not match Maricopa county data.</i>				

- Today's statewide case count is unexpectedly low at 435, with 213 cases (49%) in Maricopa County, lower than expected for population distribution. The 7-day average for reported cases is now 1651.
- The epi curve continues to increase in Maricopa County and statewide and remains concerning for early exponential growth despite the drop in numbers reported today.
- Percent positivity is much lower than it has been today – 4.1% statewide and 3.8% in Maricopa County with moderate testing numbers. 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 mid June at the onset of exponential growth. There is no indication yet that hospital resources are at imminent risk of becoming overwhelmed, but hospital utilization is above 87% for inpatient and ICU beds including COVID and non-COVID utilization.

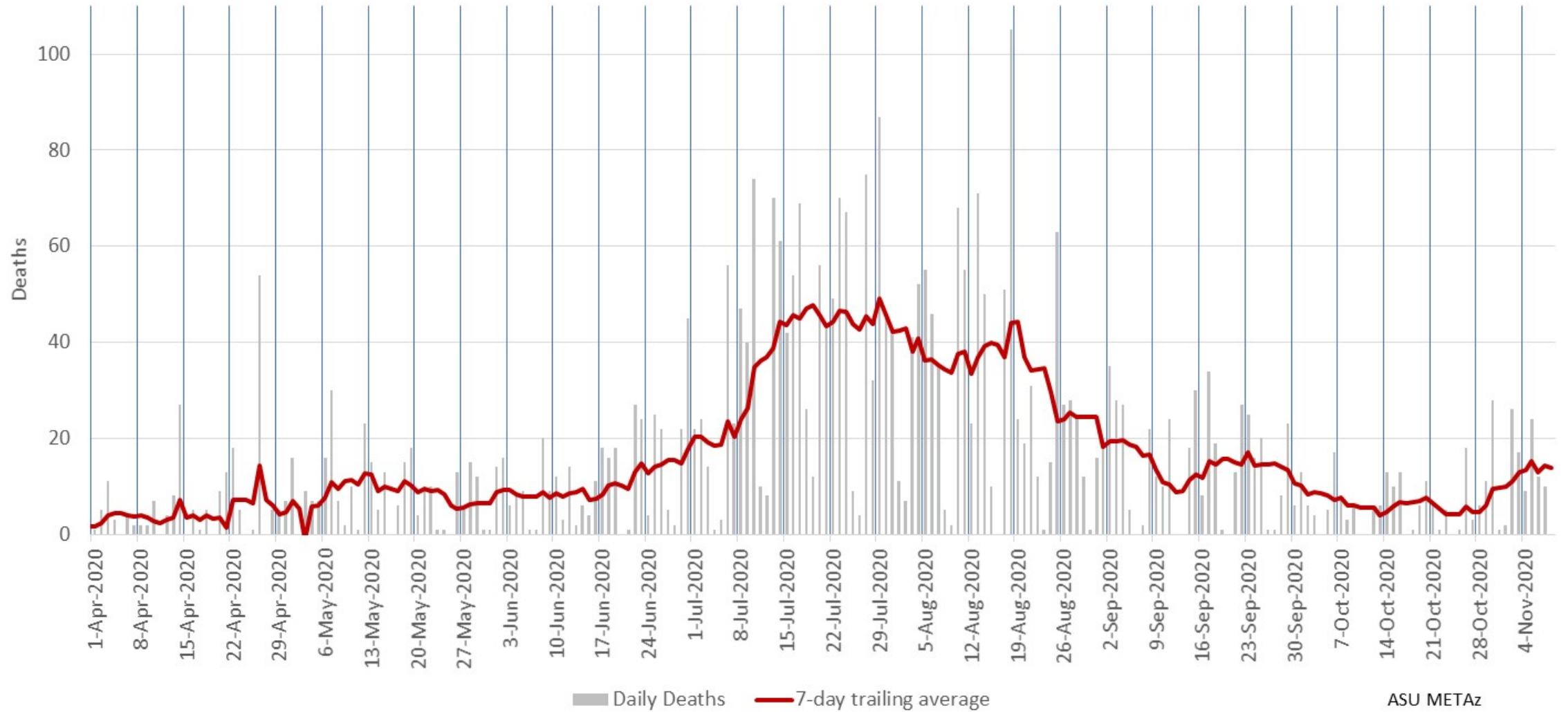
Maricopa County Analysis



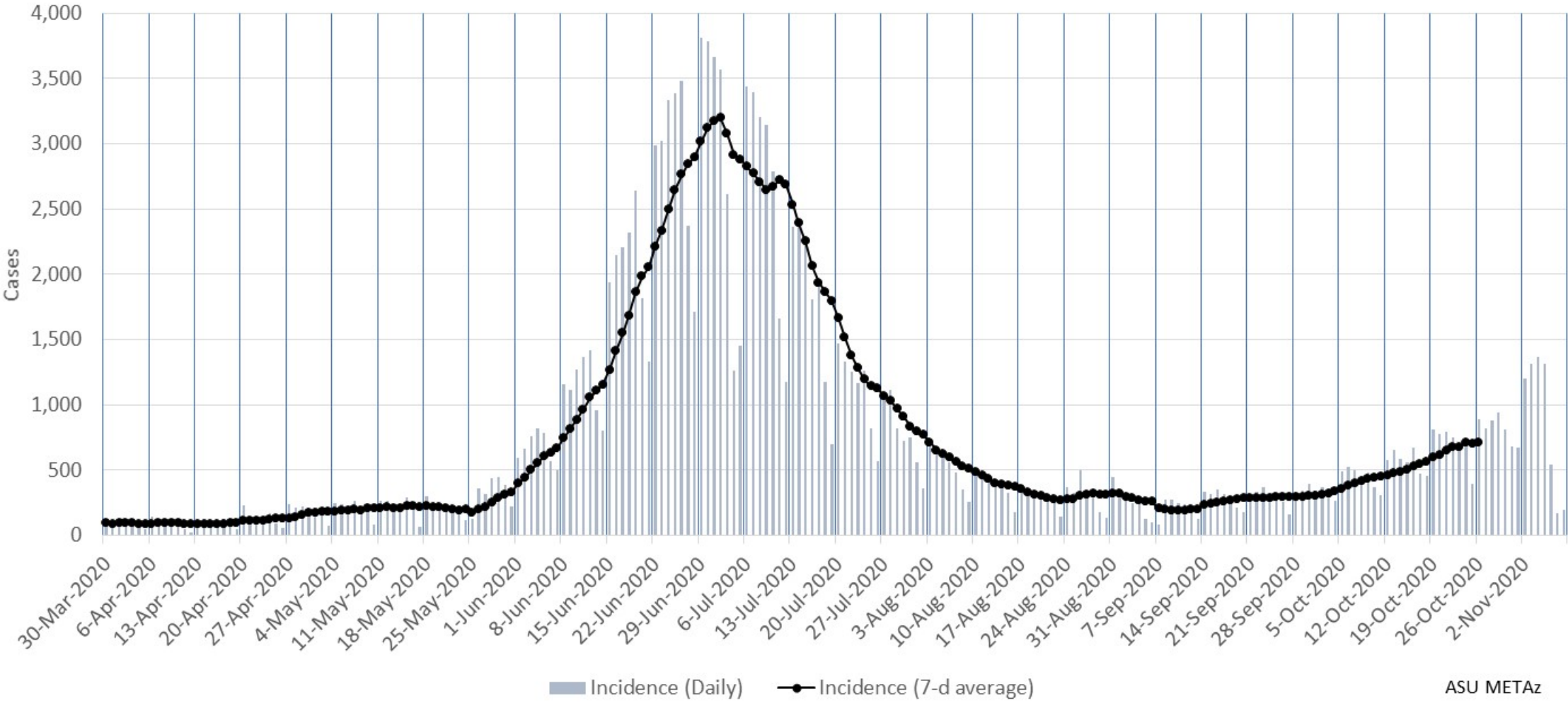
Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



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

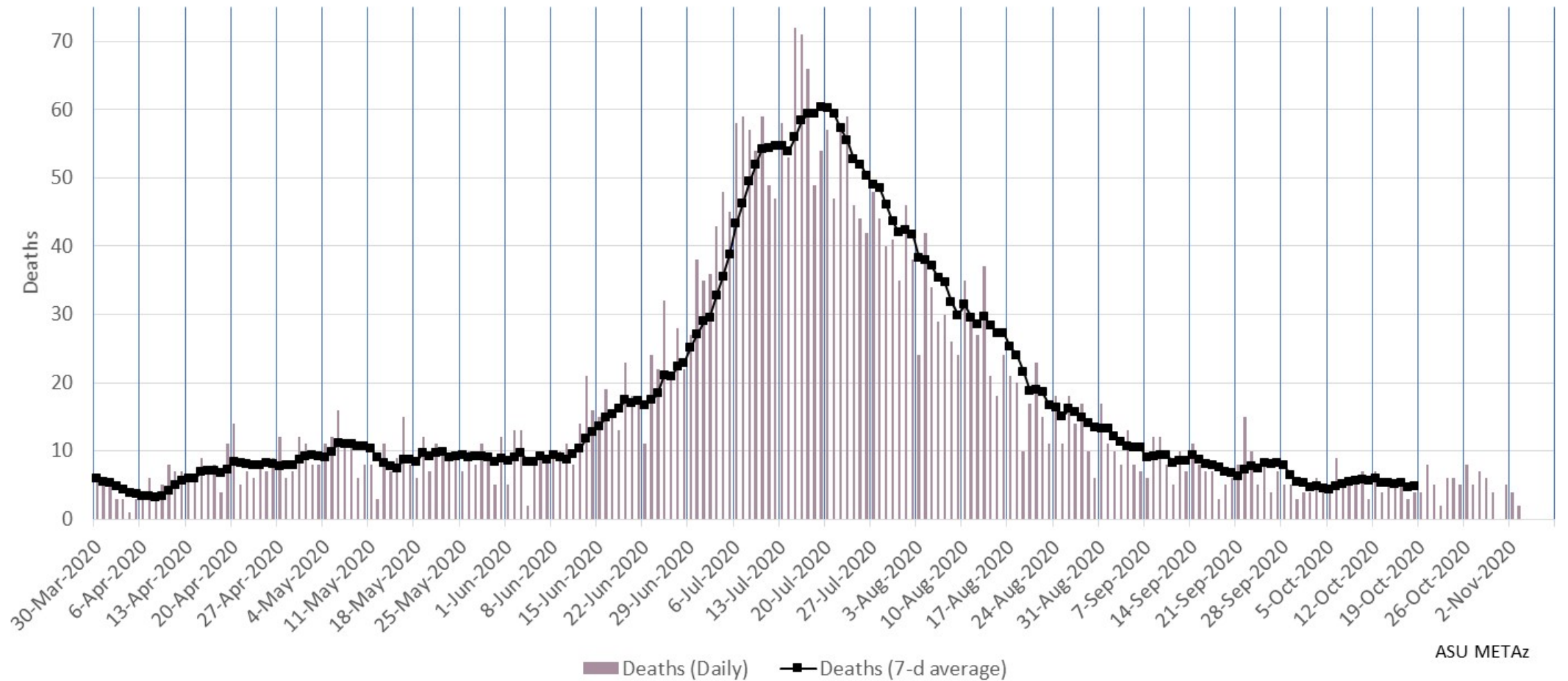


Maricopa County Daily COVID-19 Cases by Date of Sample Collection
(Epi Curve)



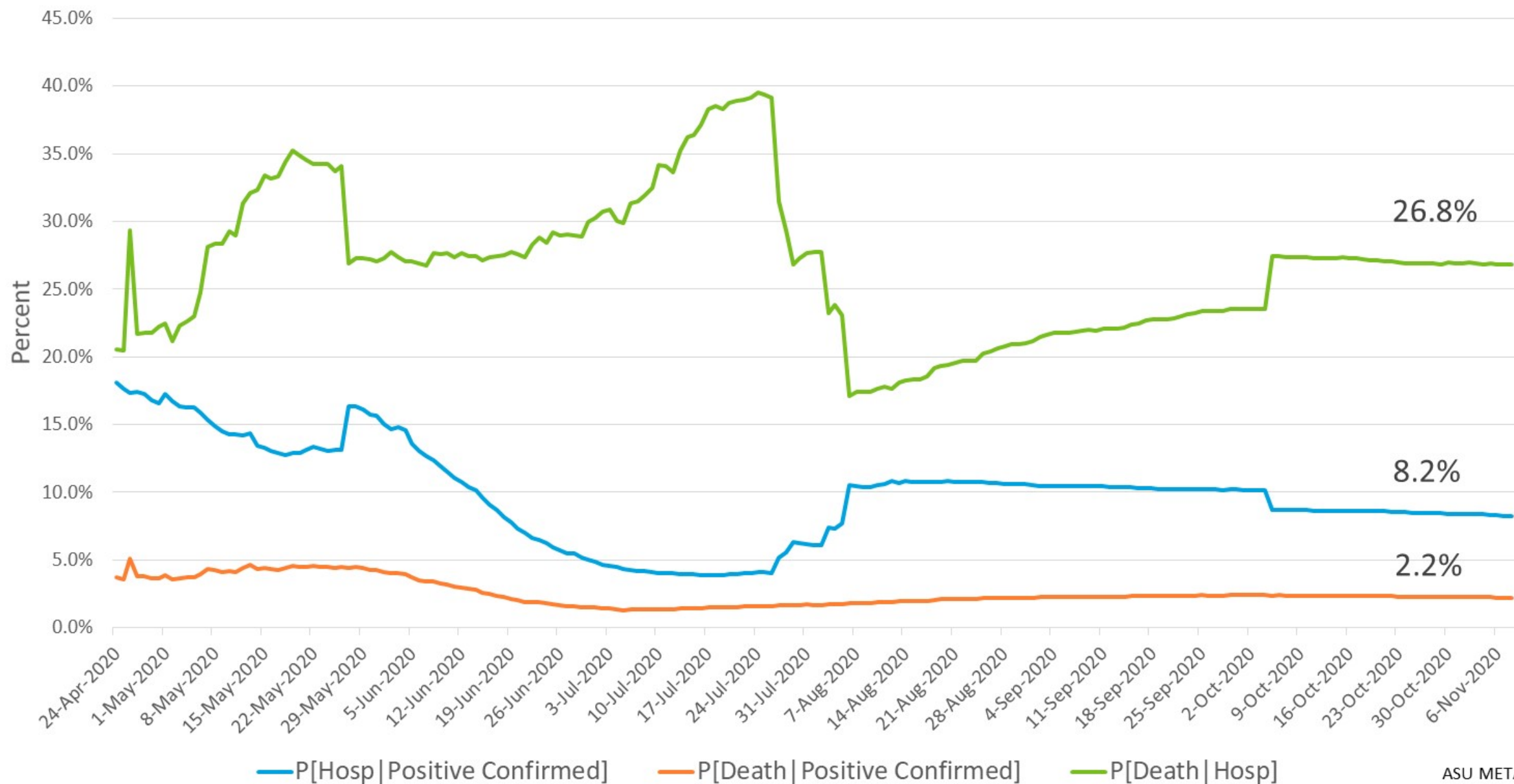
ASU METAz

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



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Maricopa County Case Fatality and Hospitalization Rates



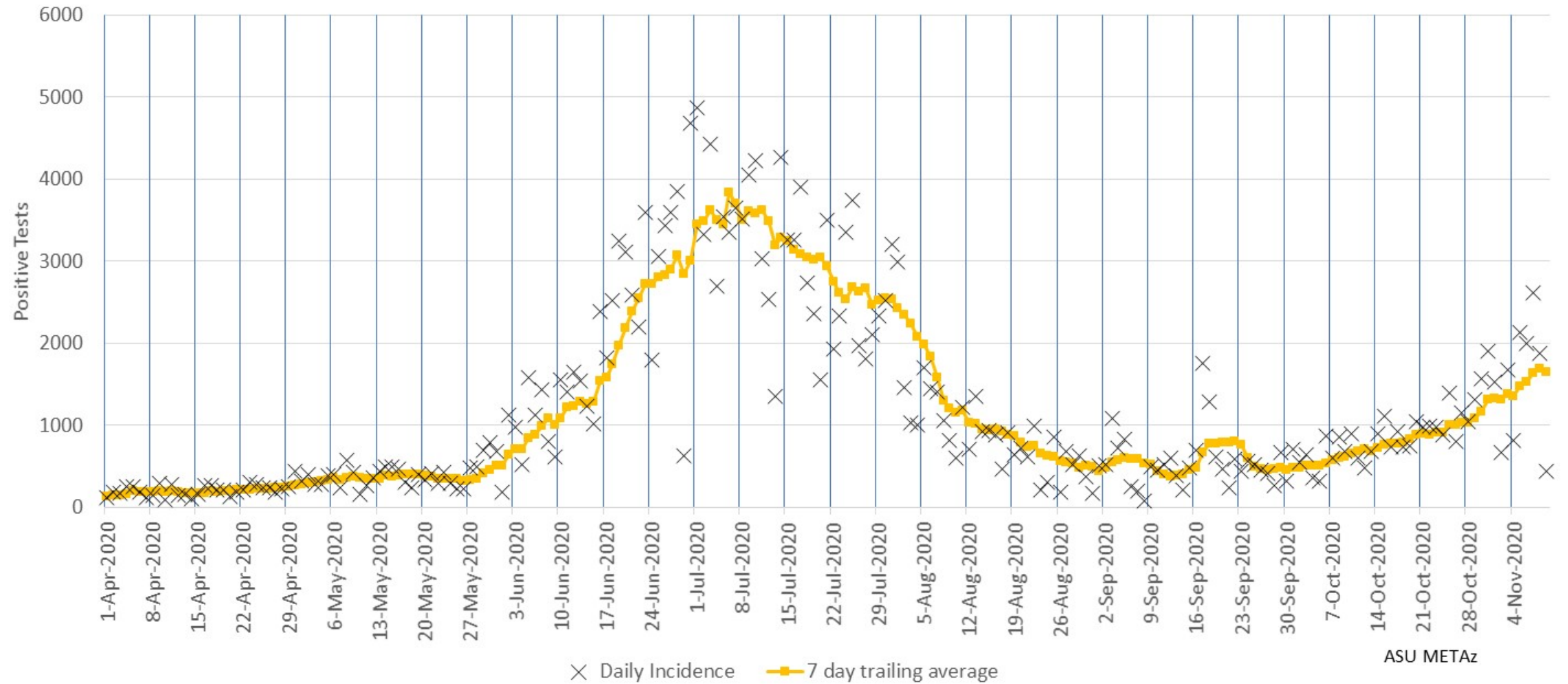
Arizona Statewide Analysis



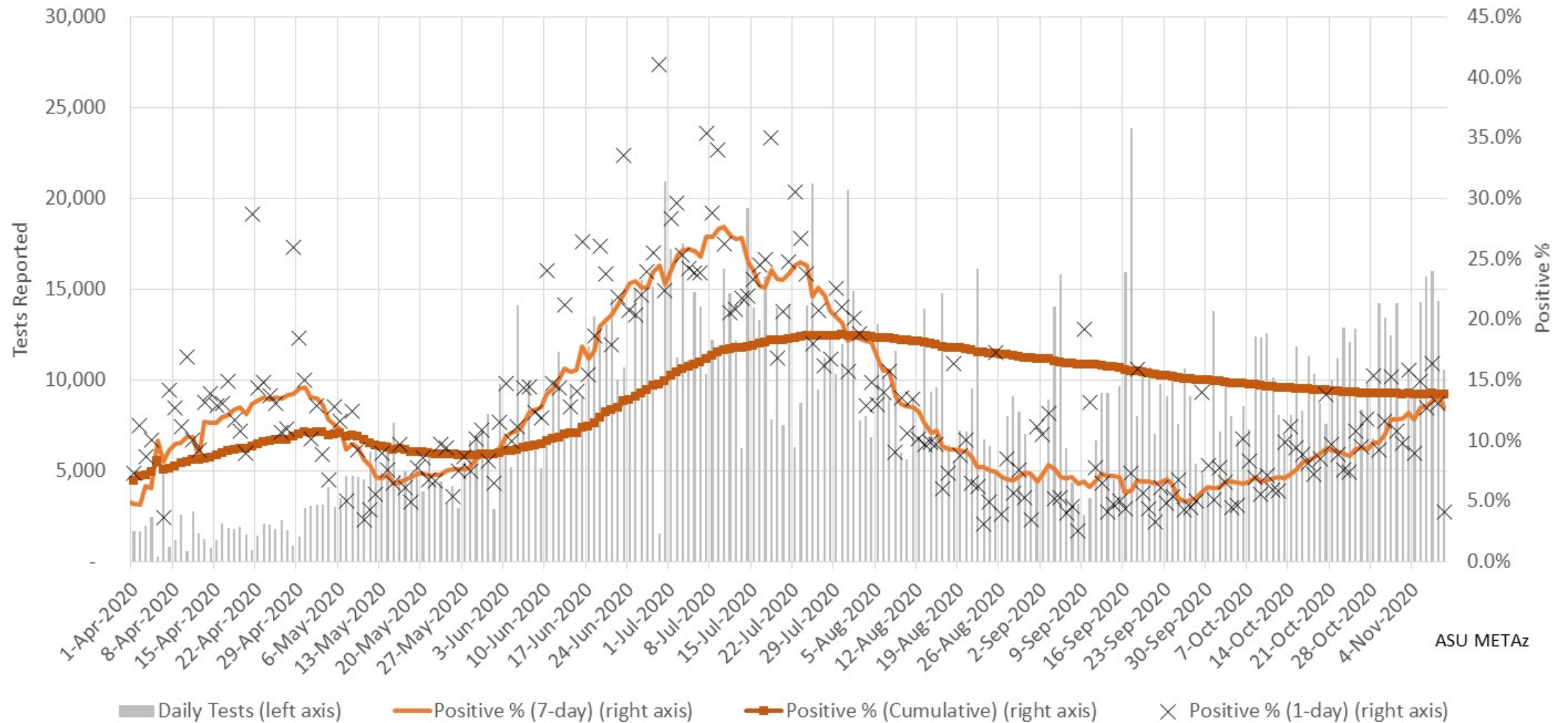
Epidemiology



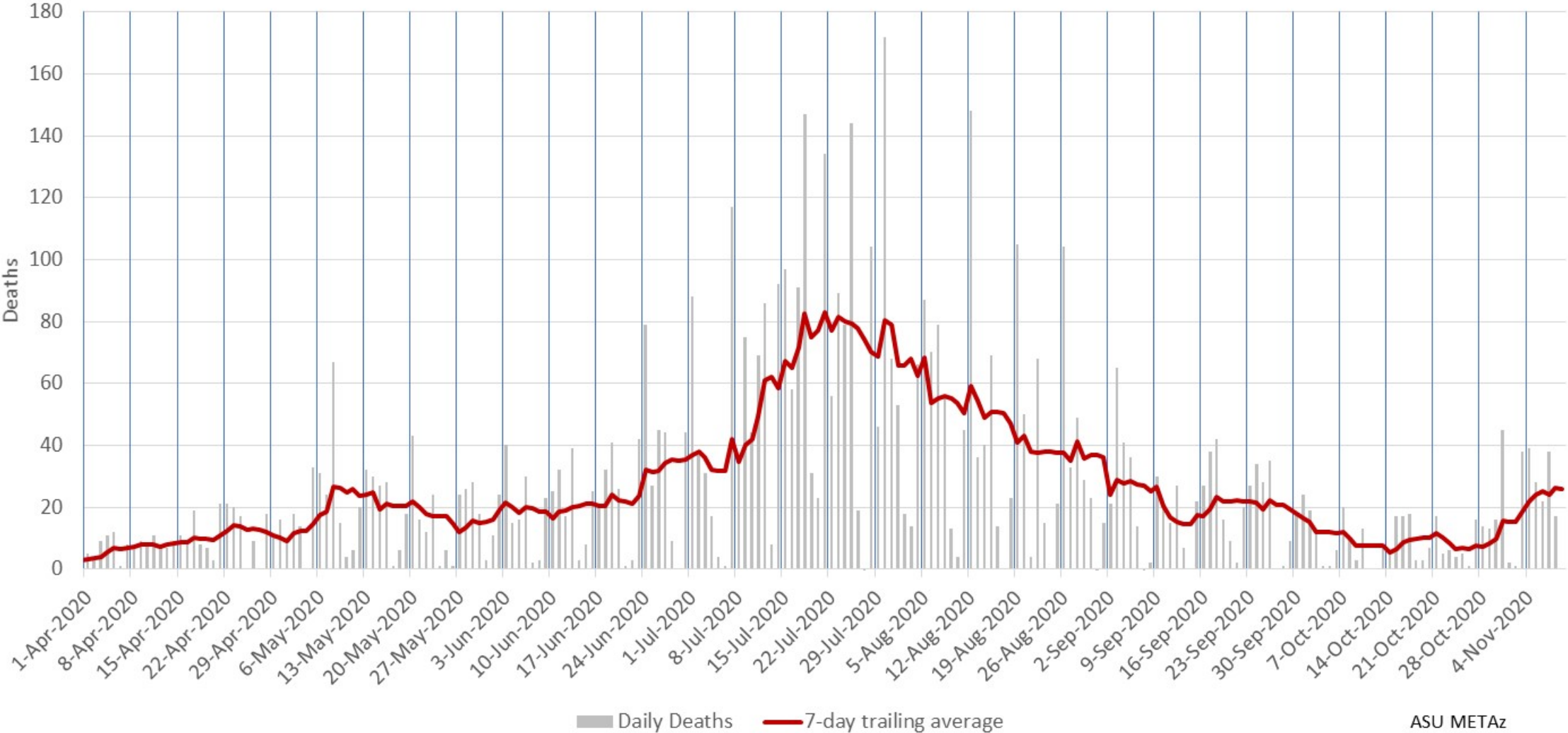
Arizona Statewide Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



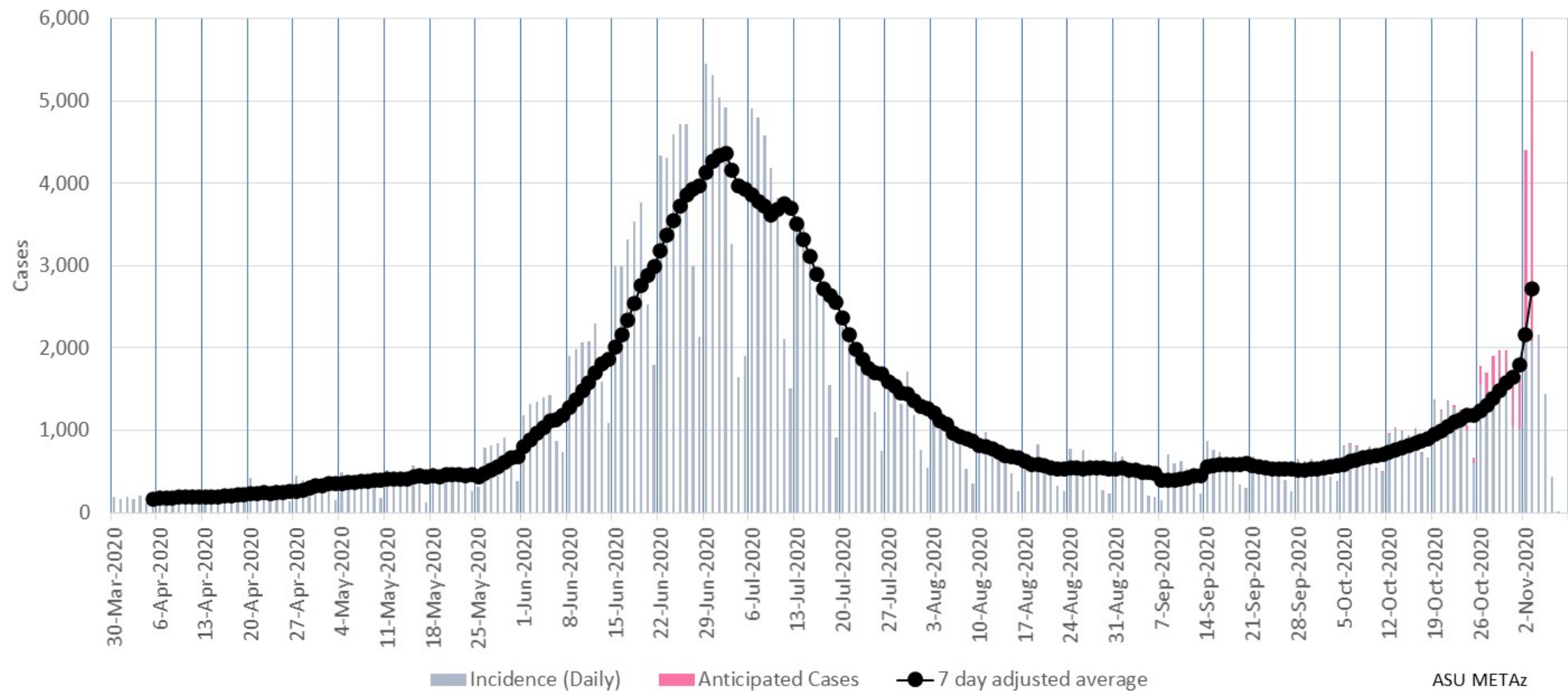
Arizona Statewide Rolling weekly positive COVID-19 test rate



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

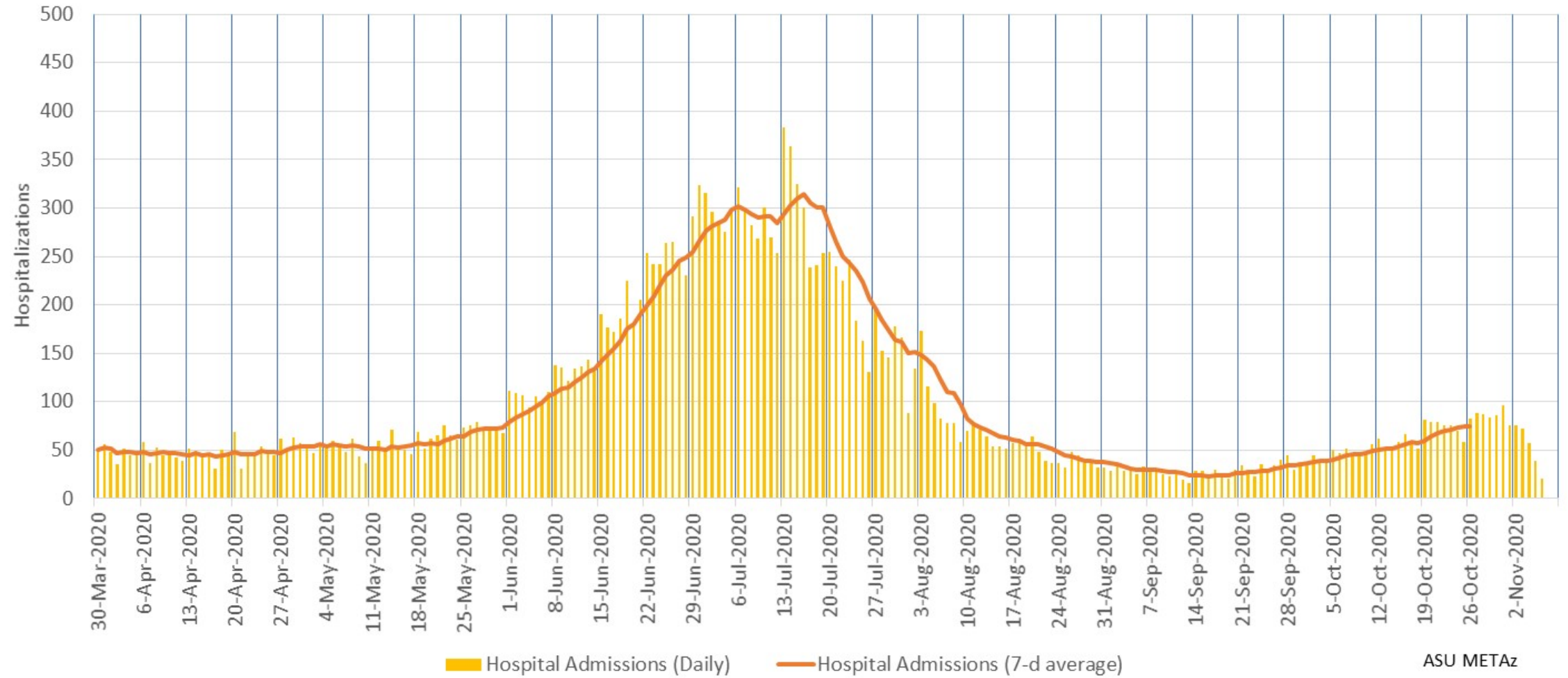


Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection
(Epi Curve)



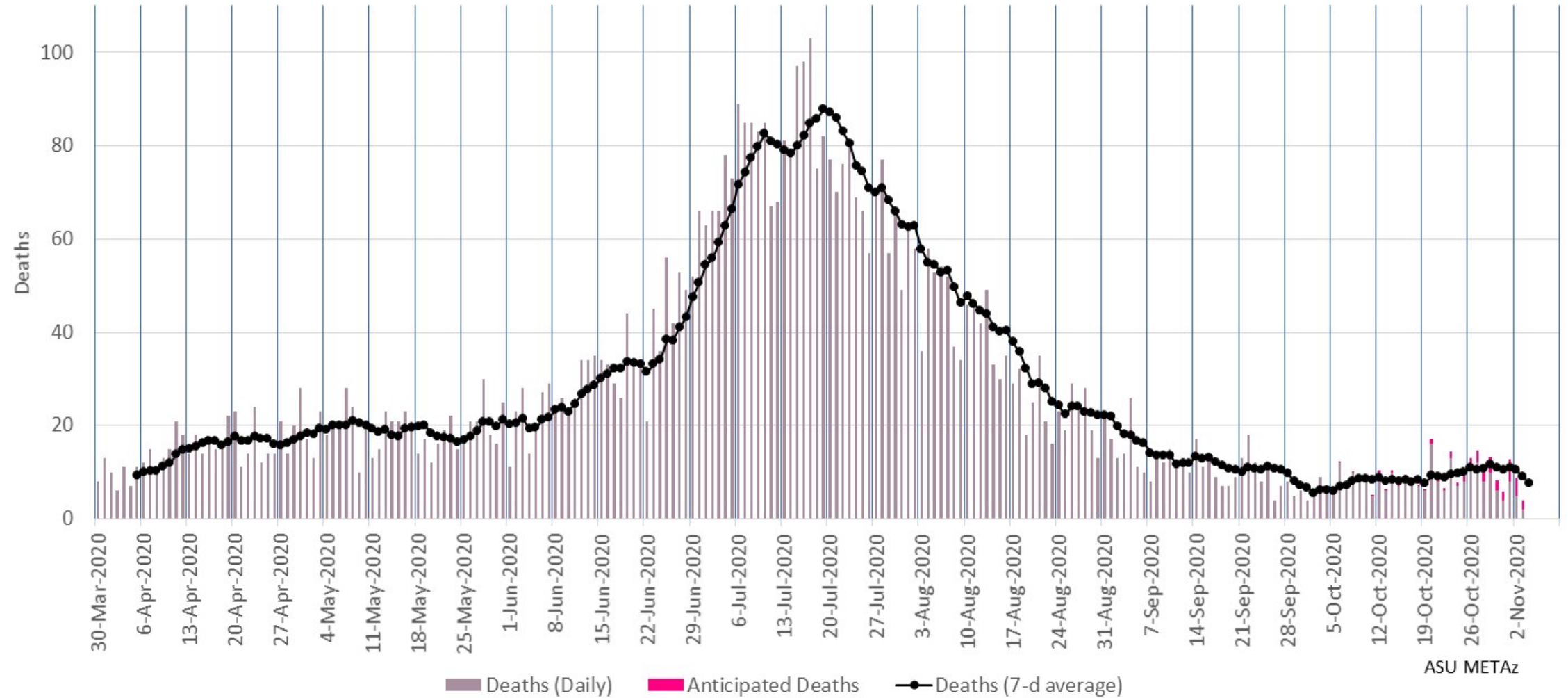
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Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization
(Epi Curve)

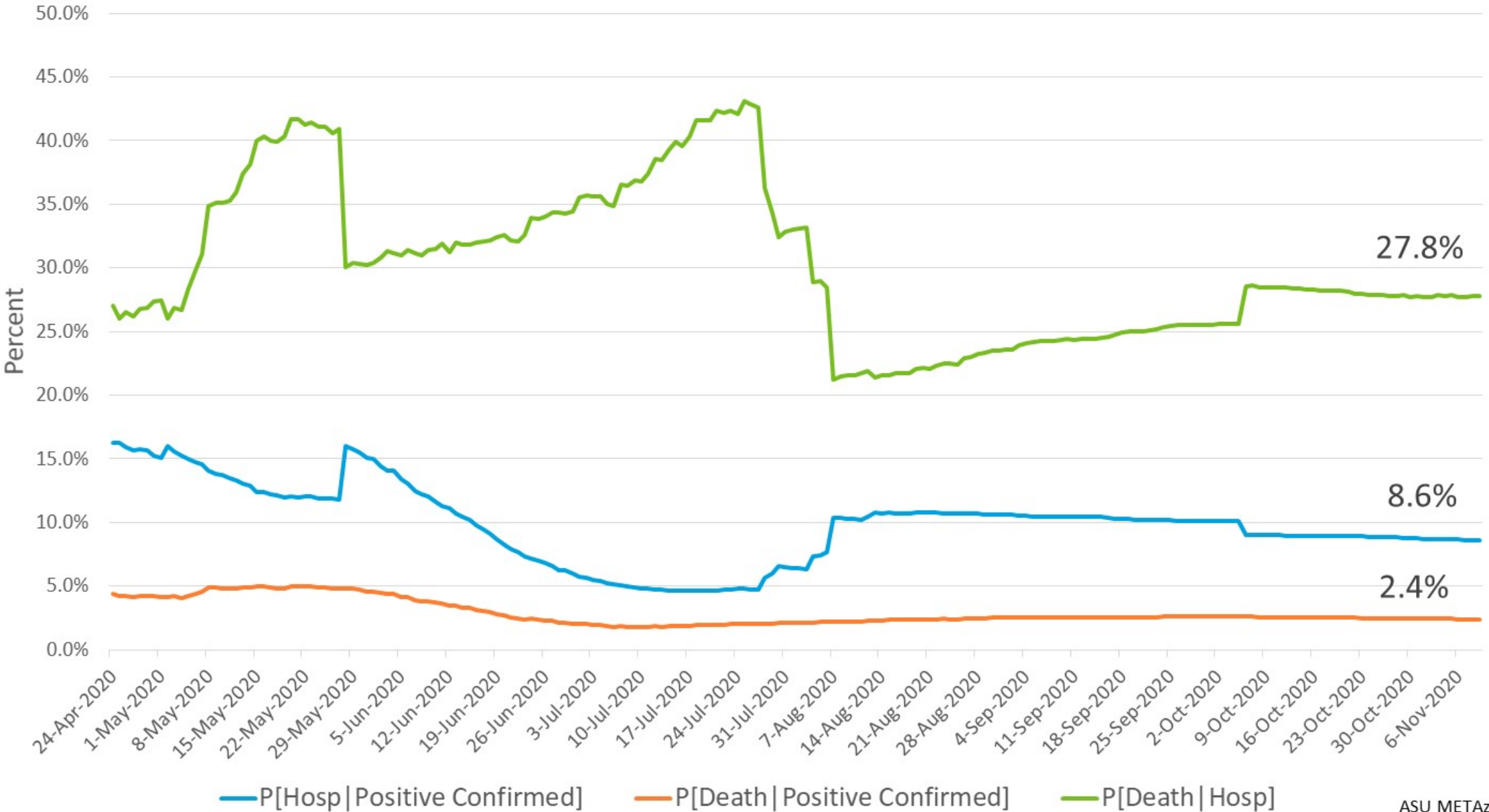


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Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



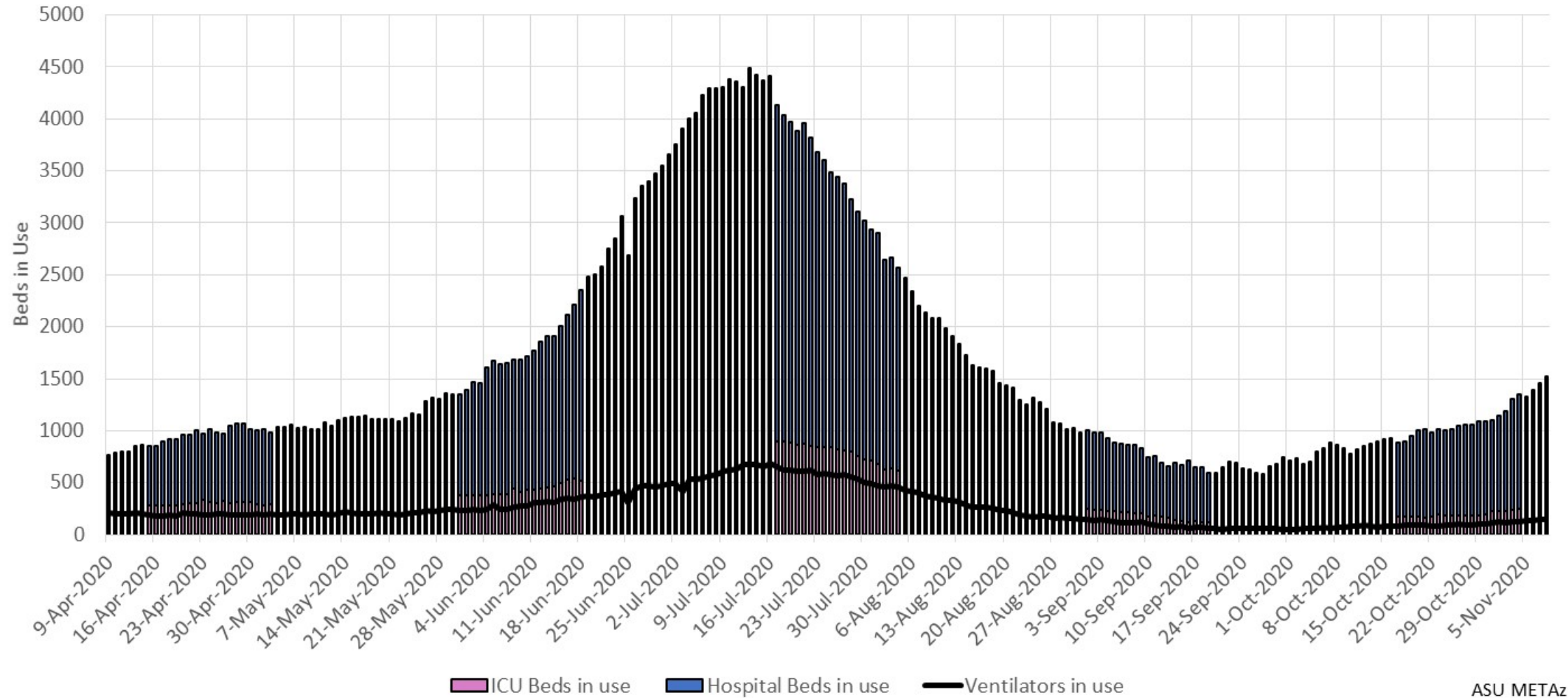
Arizona Statewide Case Fatality and Hospitalization Rates



Hospital Usage

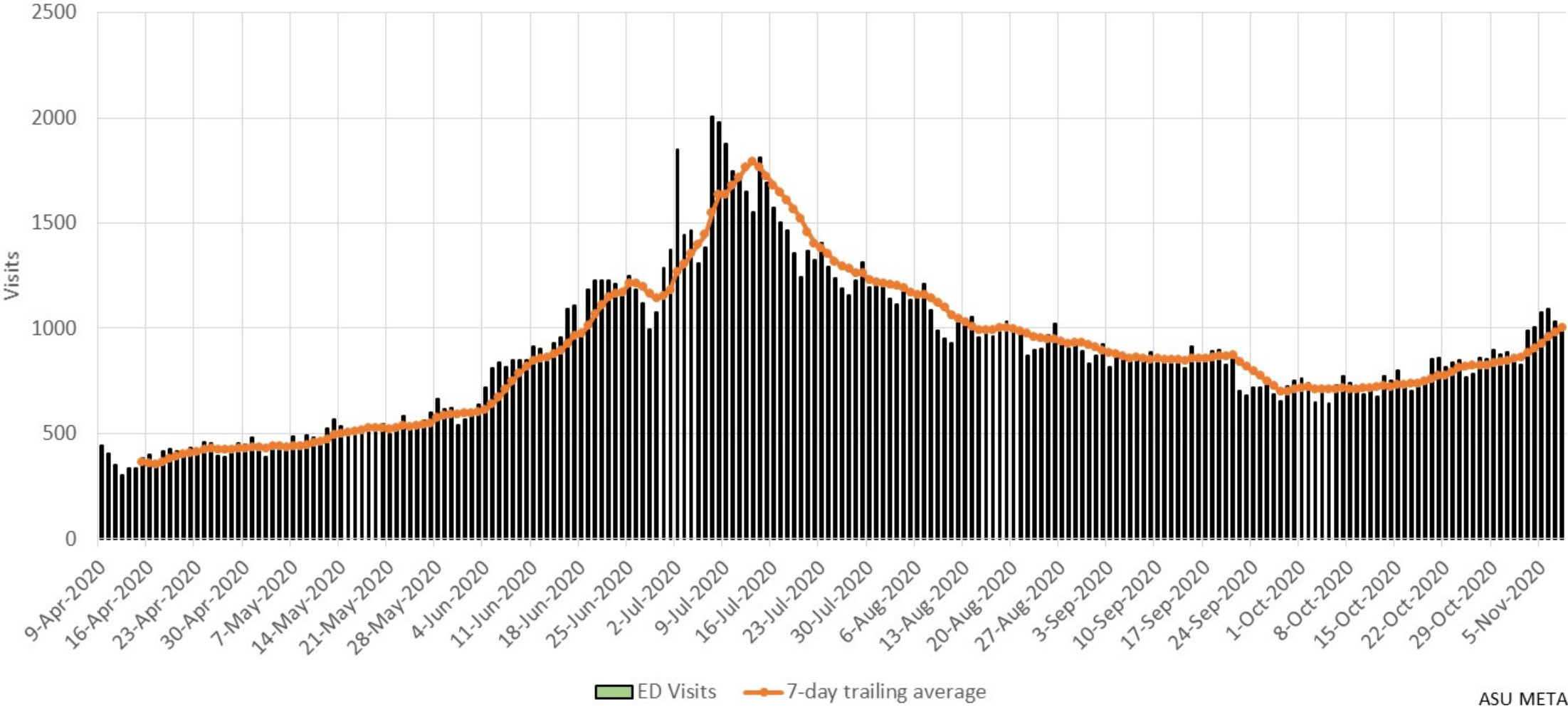


Arizona Statewide COVID-19 Hospital Resource Utilization



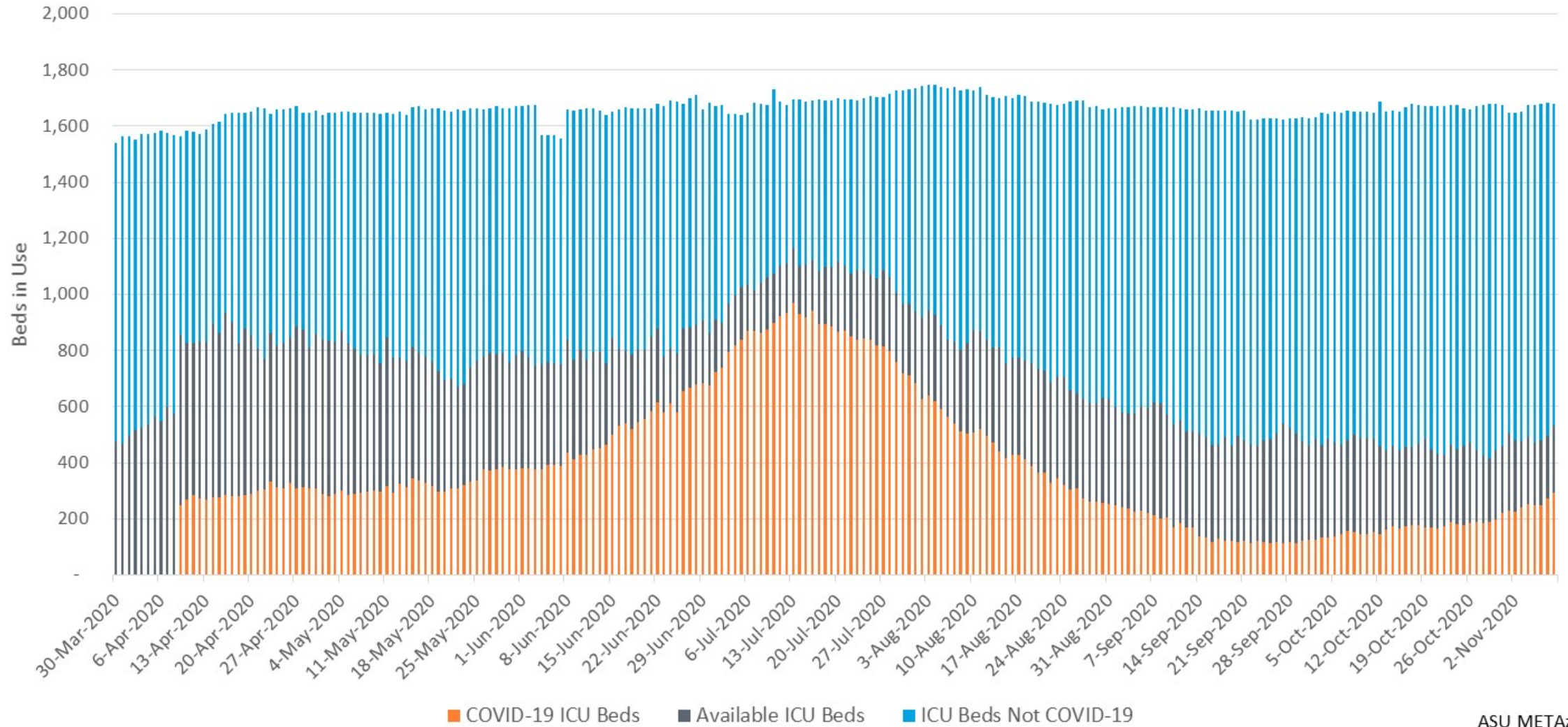
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Arizona Statewide COVID-19
Emergency Department Visits



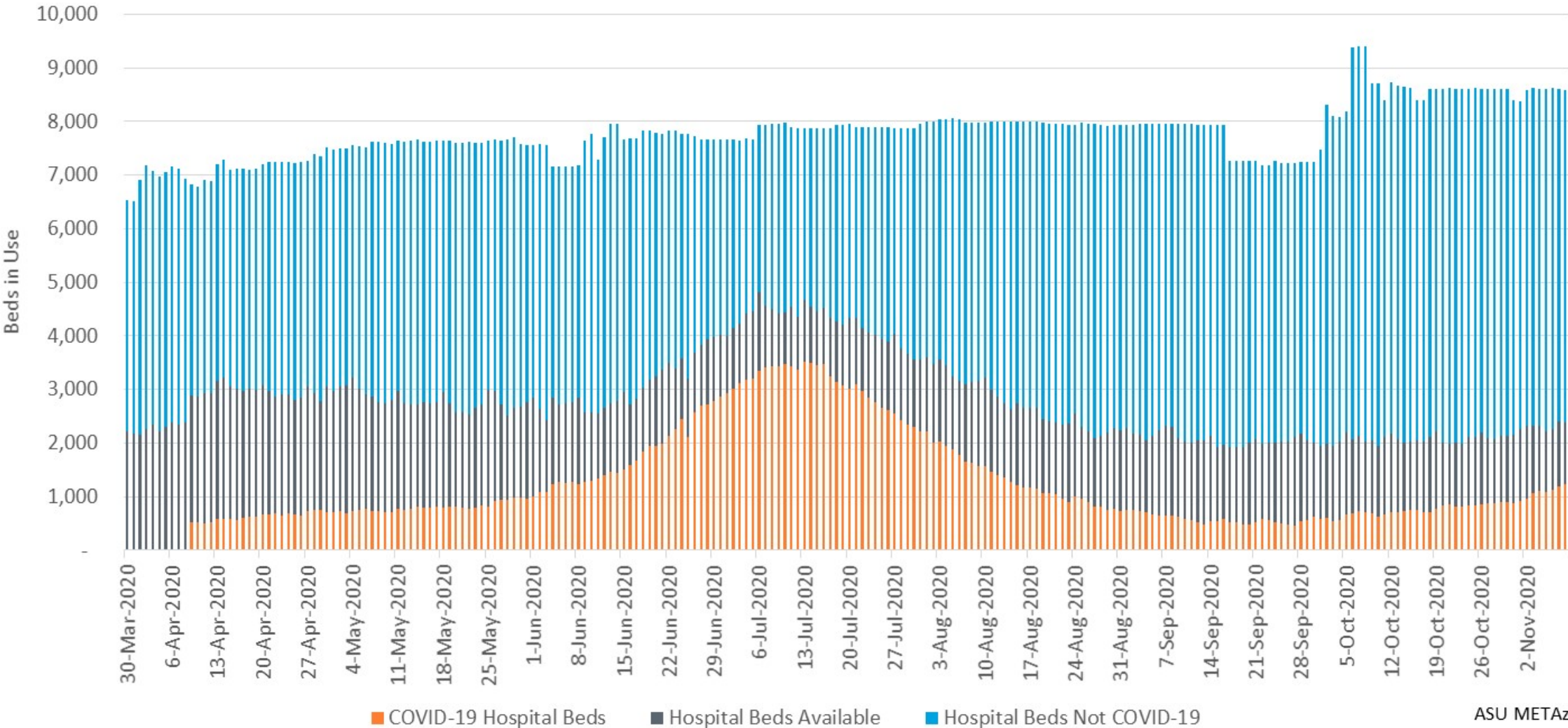
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Arizona Statewide ICU Bed Usage

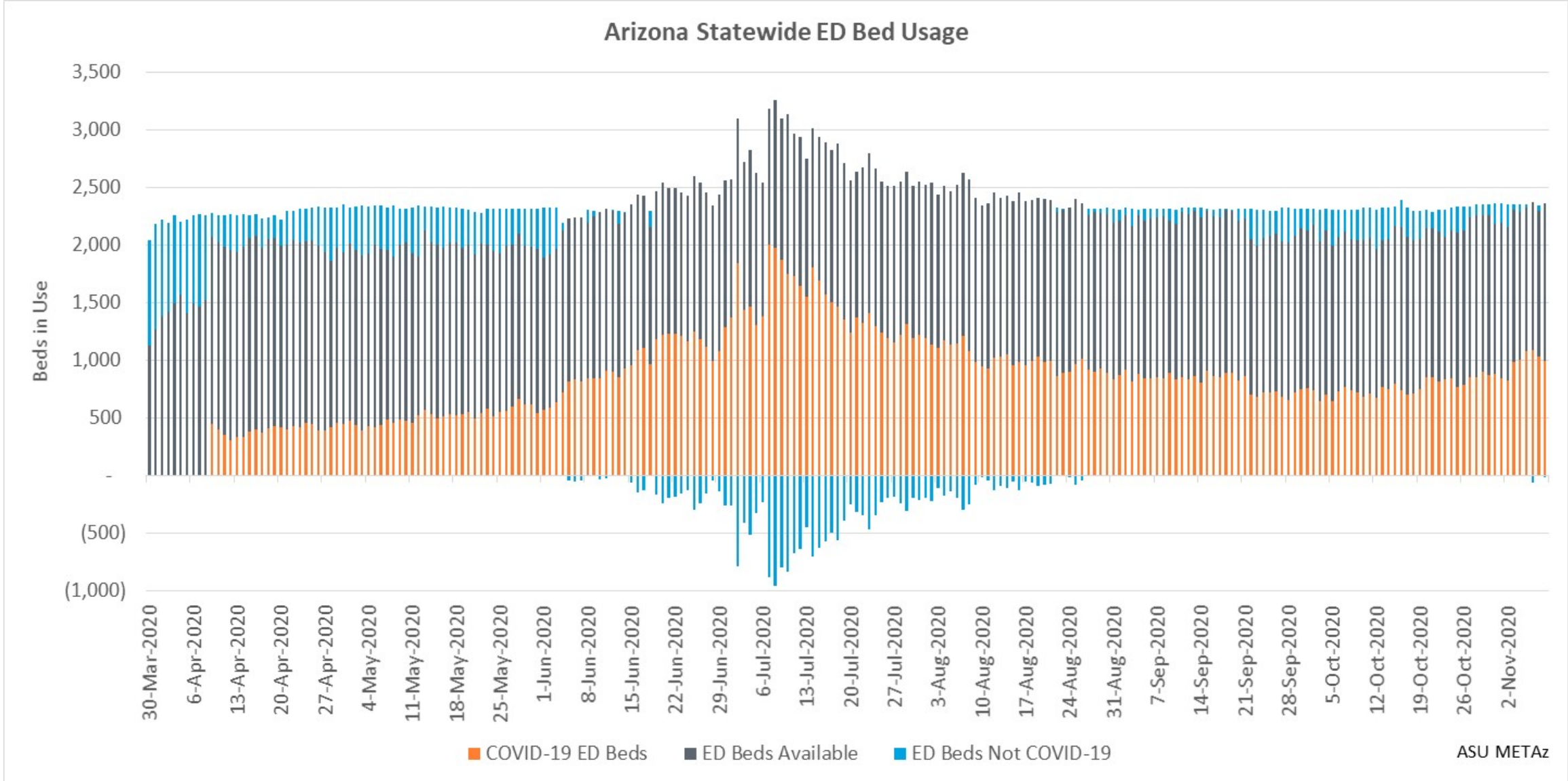


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Arizona Statewide Inpatient Bed Usage



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