



COVID Epidemiology Situation Update

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October 8, 2020

Summary

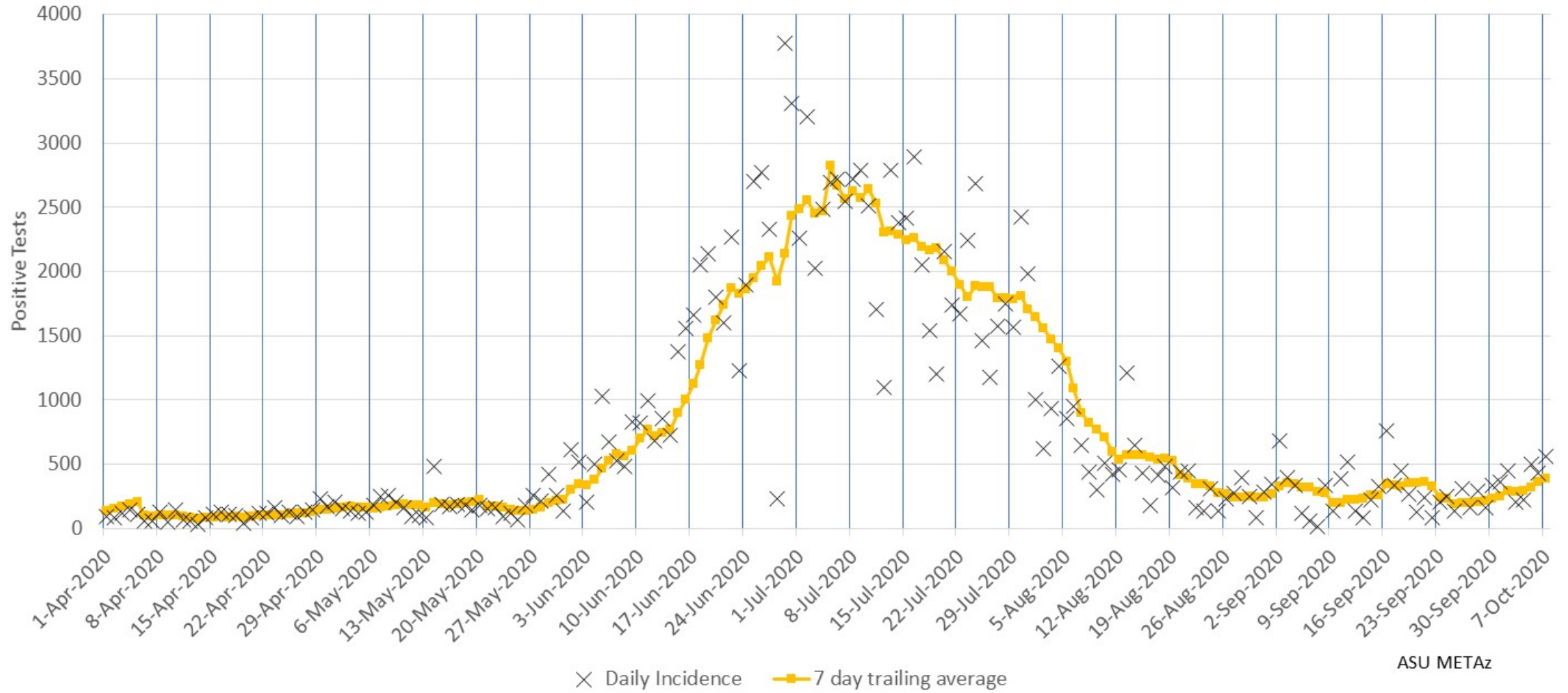
October 8, 2020				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	863	222,538	525	144,867
PCR Tests	12,401	1,518,694	7532	901,452
% Positive	7.0%	14.7%	7.0%	12.1%
Hospitalizations	121	20,050	62	12,642
Deaths	10	5,733	4	3,454
<i>All data pulled from azdhs.gov. Numbers may not match Maricopa county data.</i>				

- Today's statewide case count is 863, with 525 cases (61%) in Maricopa County.
- The demonstrated epi curve continues to increase in Maricopa County and statewide. Case counts are consistent with late May at the time that exponential growth began following the statewide stay-at-home order being ended.
- Percent positivity statewide is 7.0%. Maricopa county positivity is 7.0%. More testing is needed to characterize the extent of the current outbreak and community transmission.
- Statewide, ED visits and inpatient bed use for COVID-19 continue to increase, including ICU beds and regular ward beds. There is no indication yet that hospital resources are at risk of becoming overwhelmed.

Maricopa County Analysis

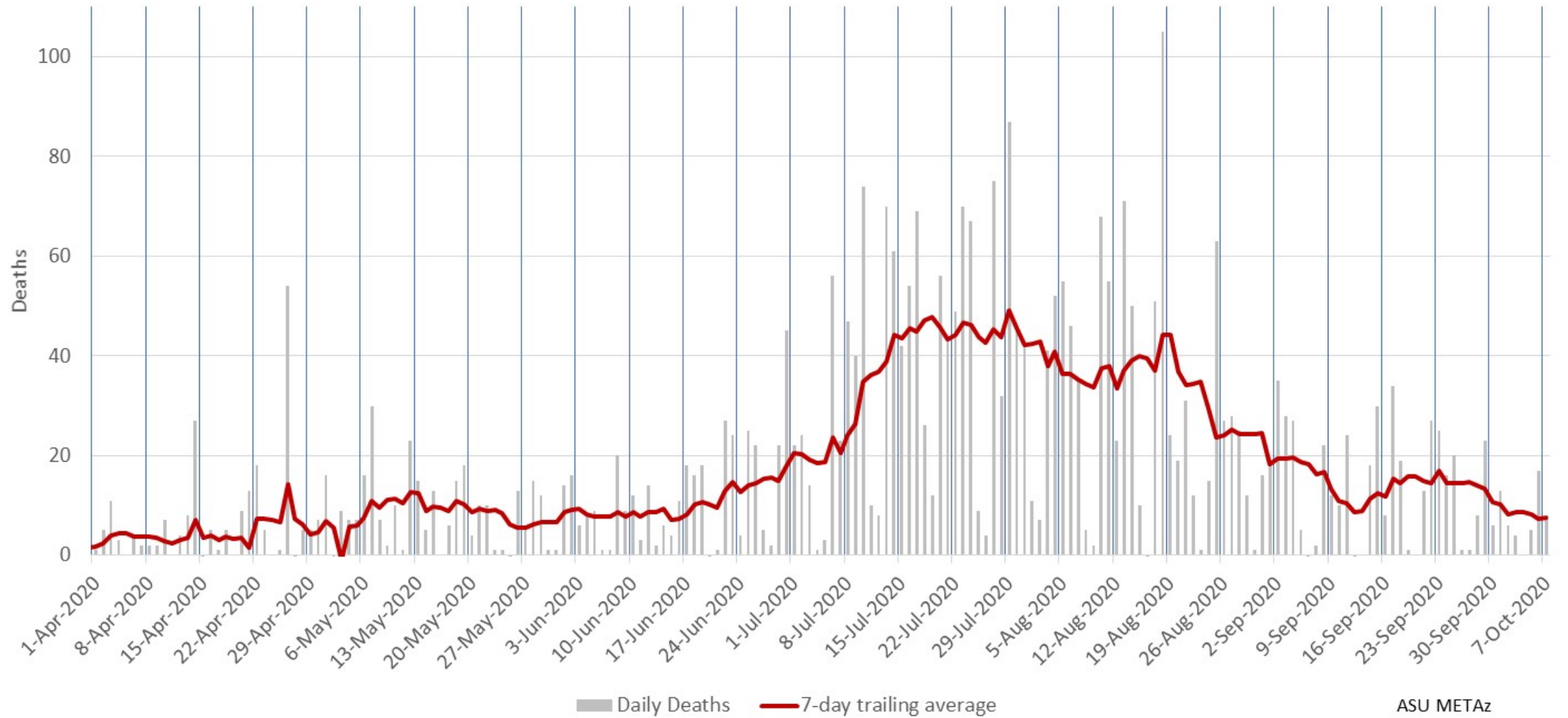


Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



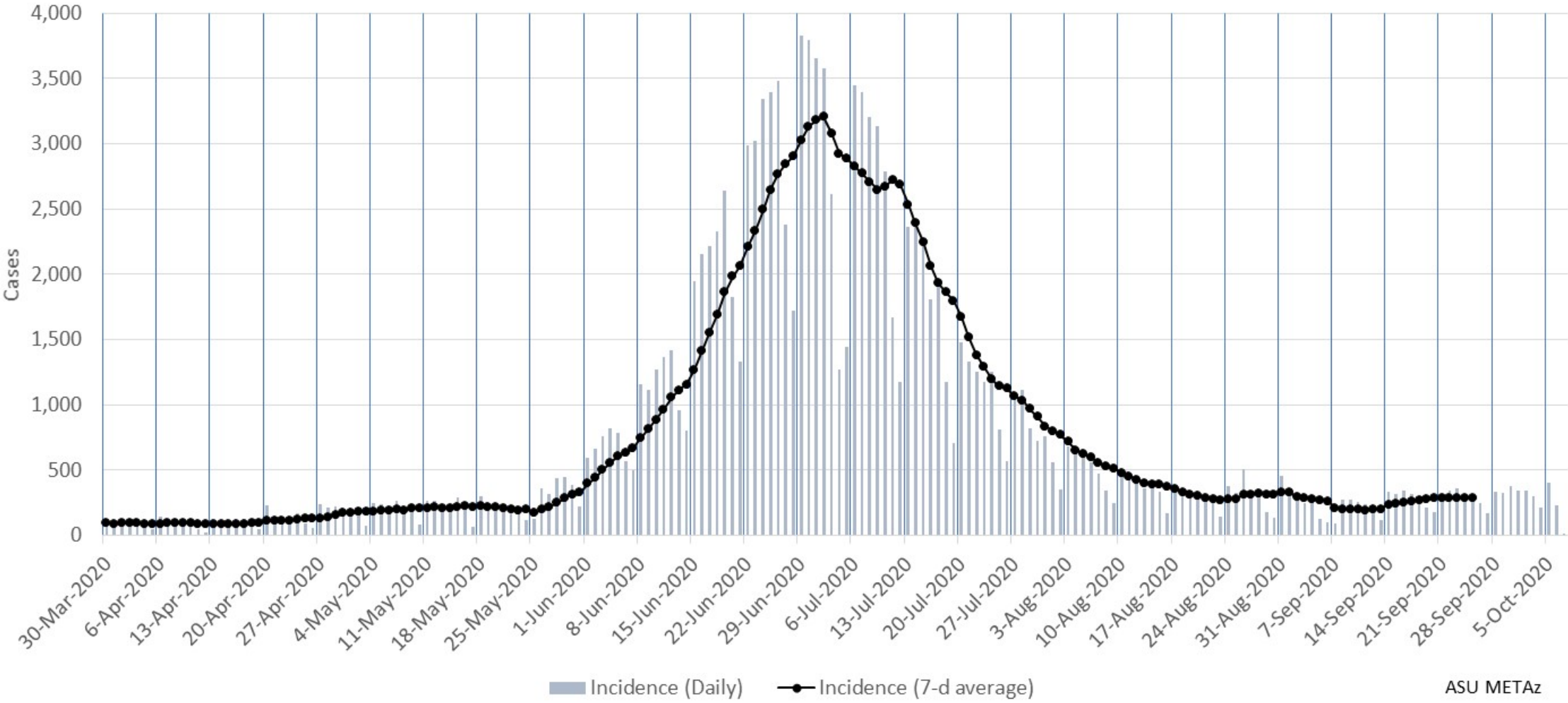
ASU METAz

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



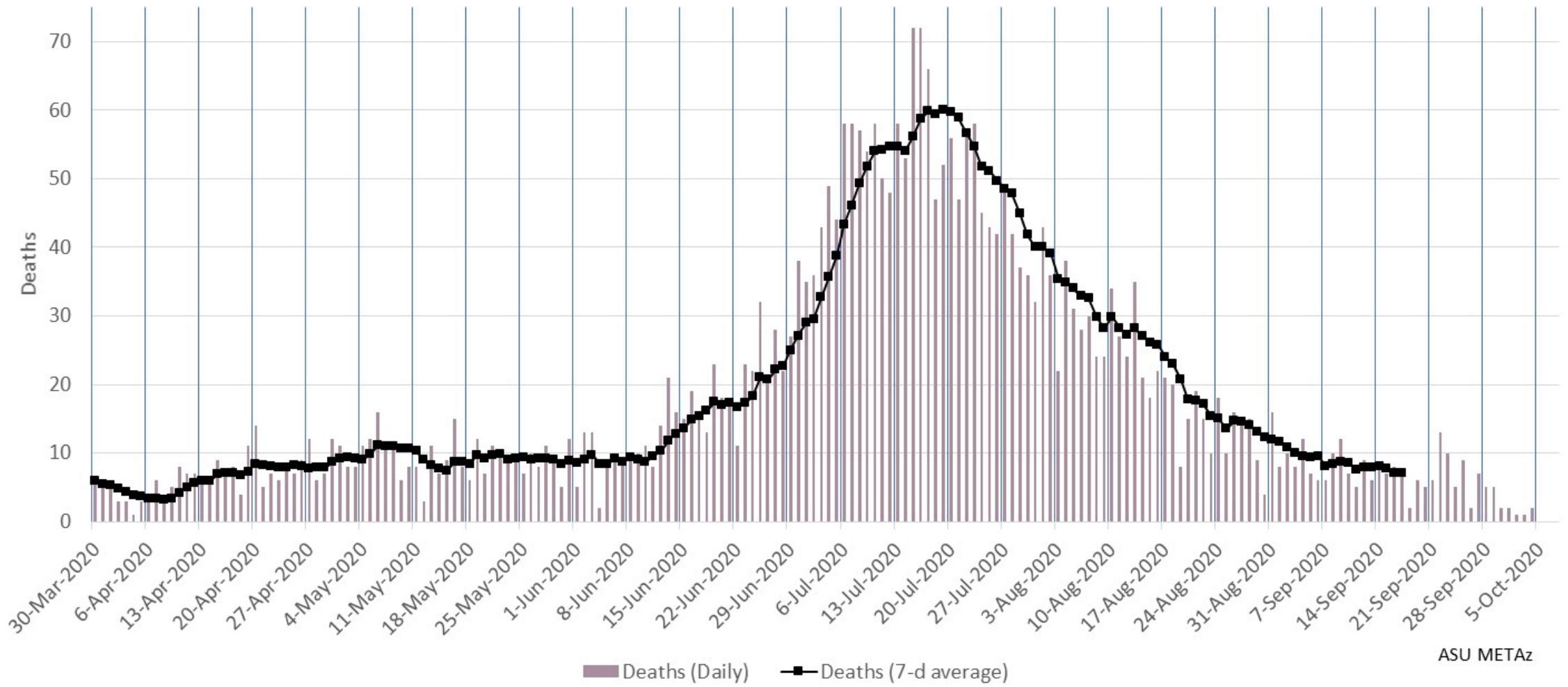
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Maricopa County Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)



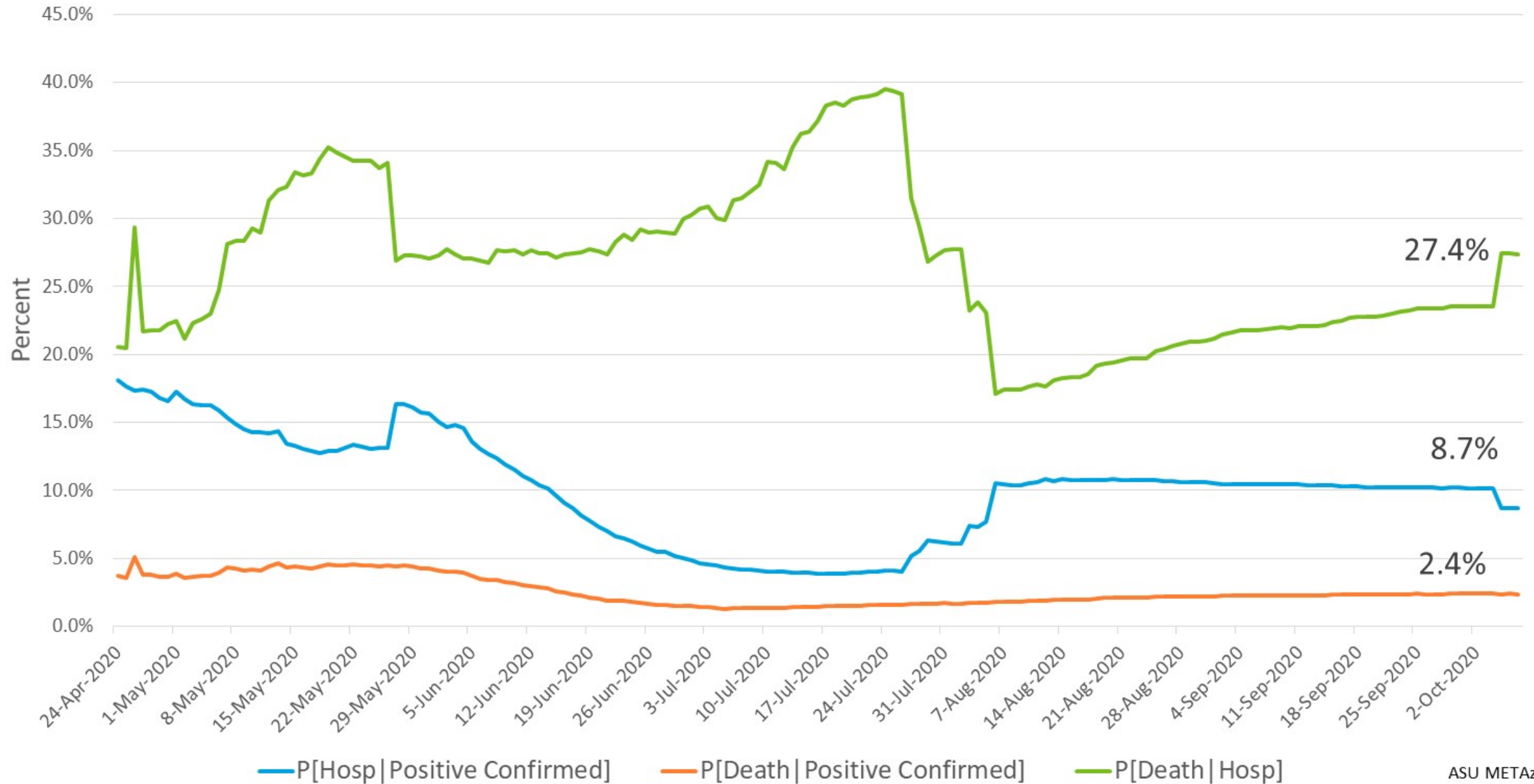
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Maricopa County Daily COVID-19 Deaths by Date of Death (Epi Curve)



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Maricopa County Case Fatality and Hospitalization Rates



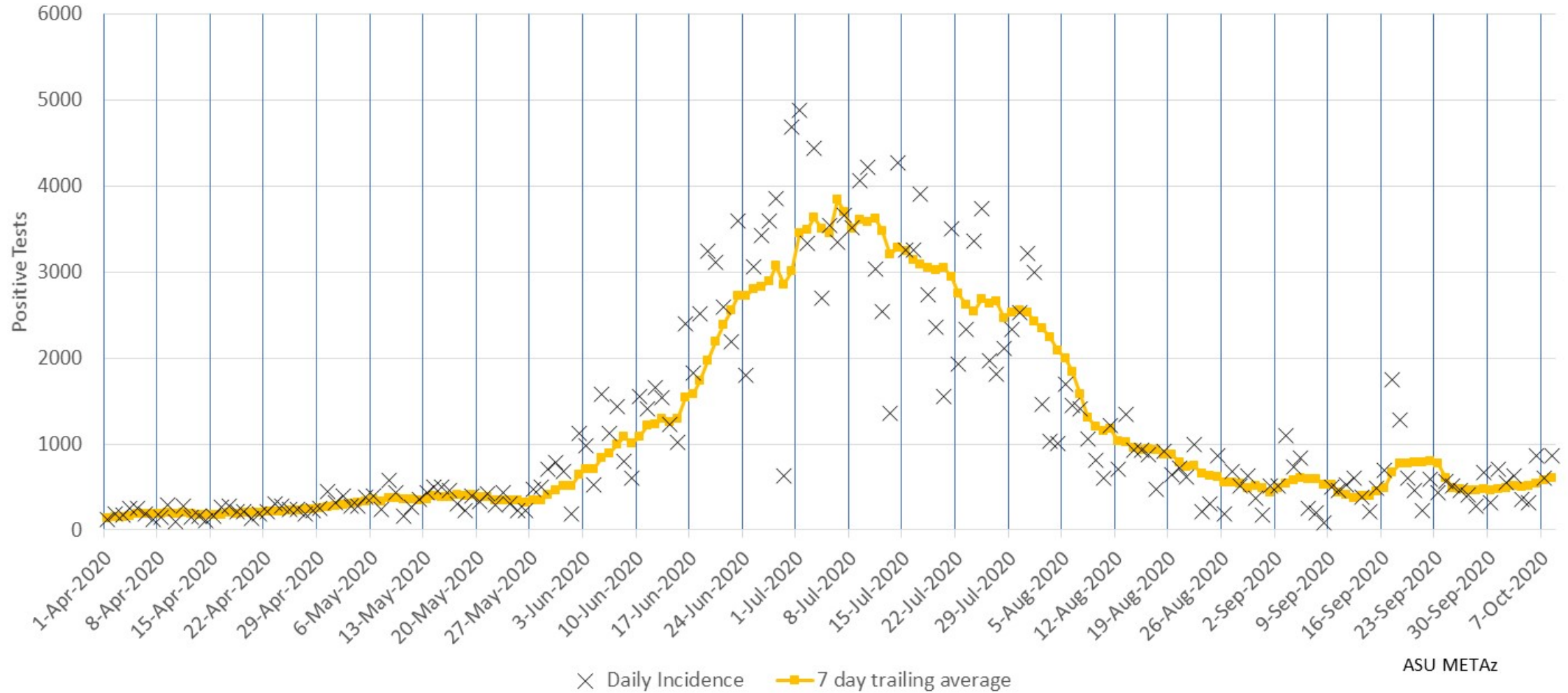
Arizona Statewide Analysis



Epidemiology

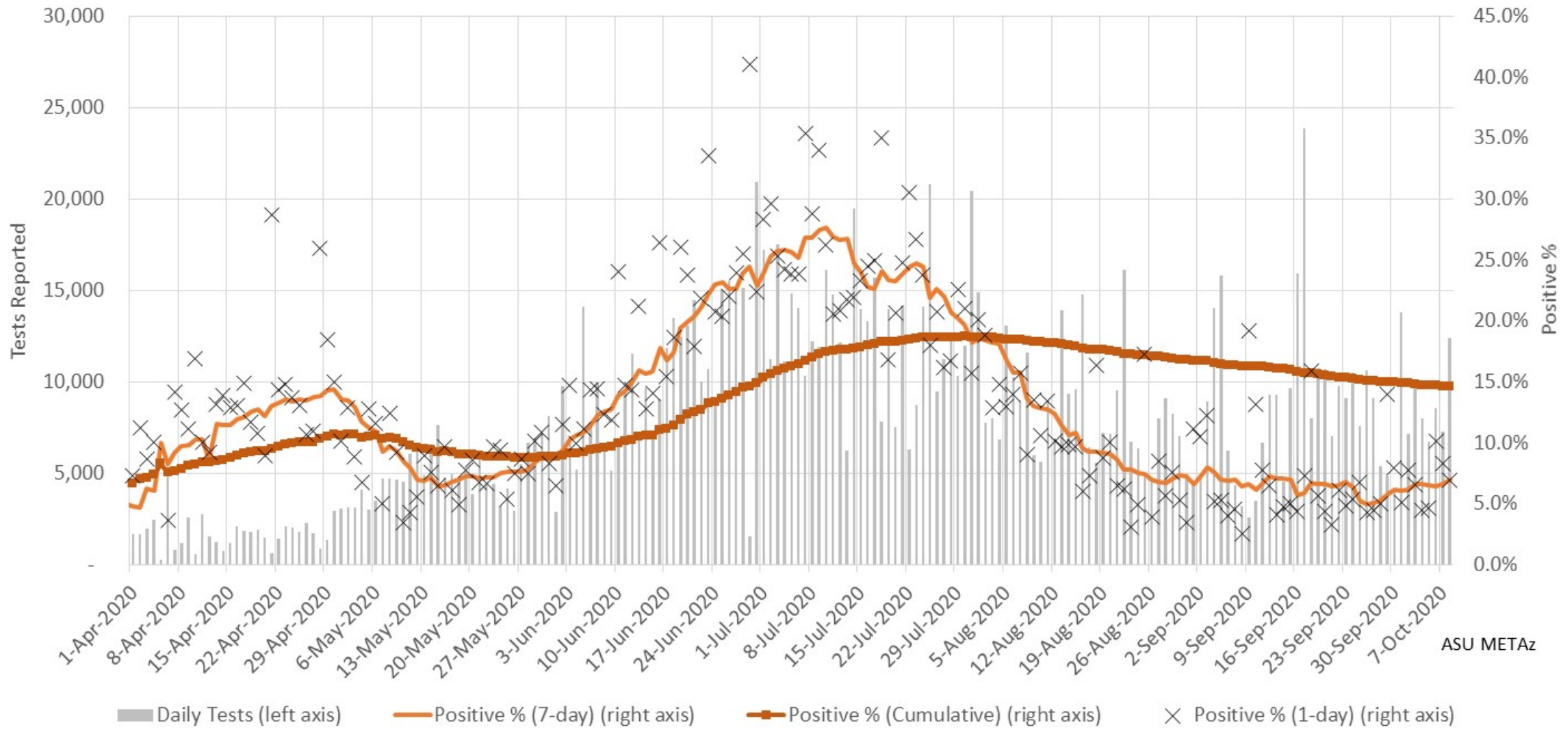


Arizona Statewide Daily COVID-19 Positive Tests Results Reported (confirmed incidence)

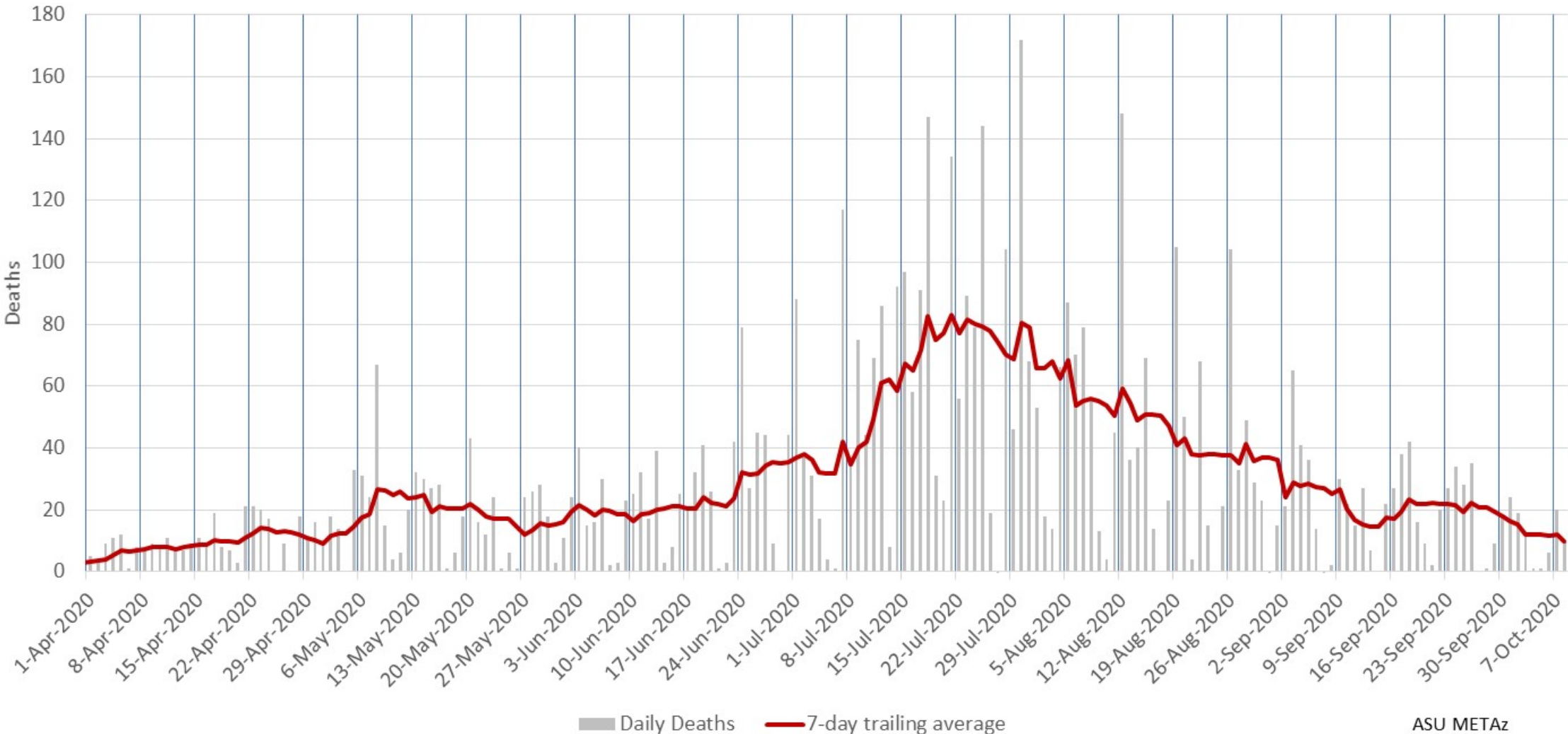


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Arizona Statewide Rolling weekly positive COVID-19 test rate

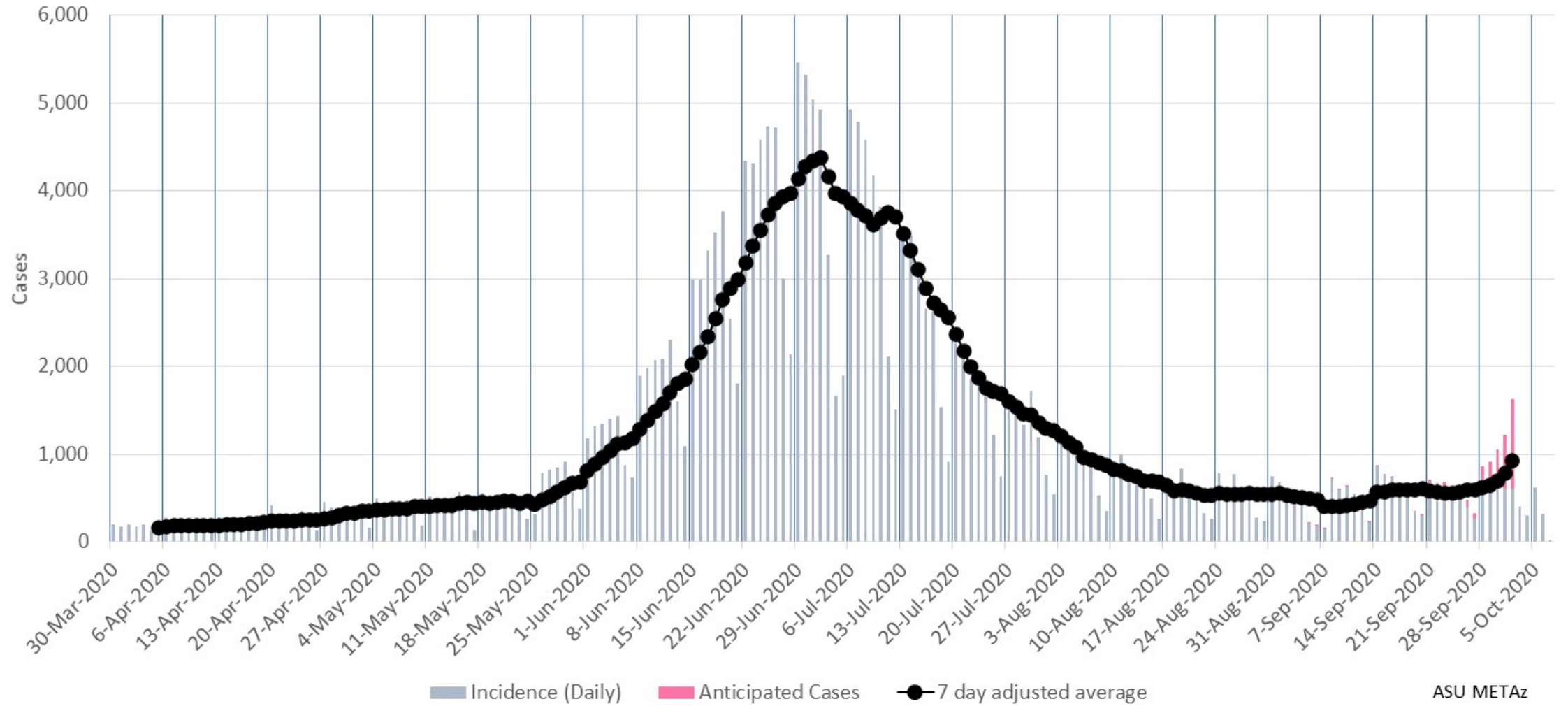


Arizona Statewide Daily COVID-19 Deaths (by date of reporting)



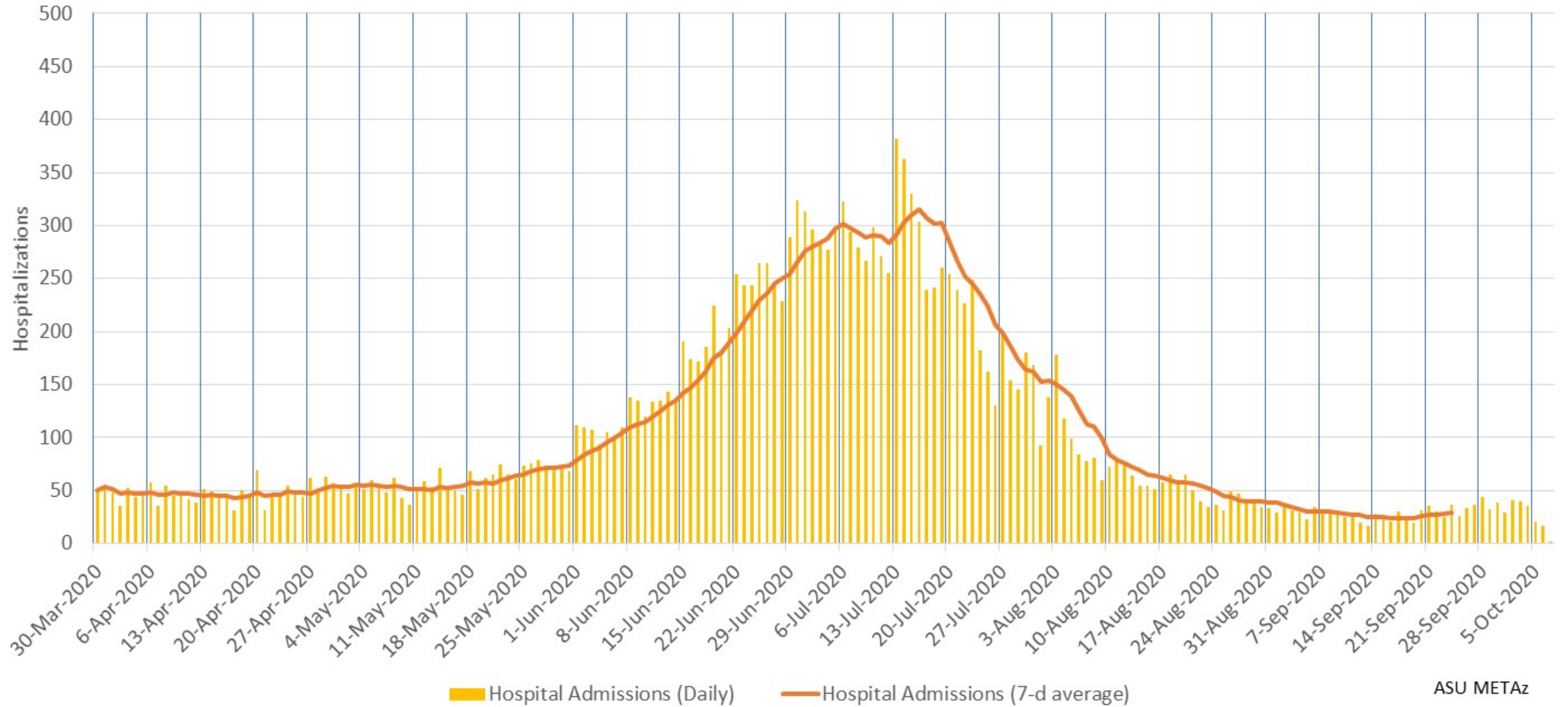
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Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection
(Epi Curve)



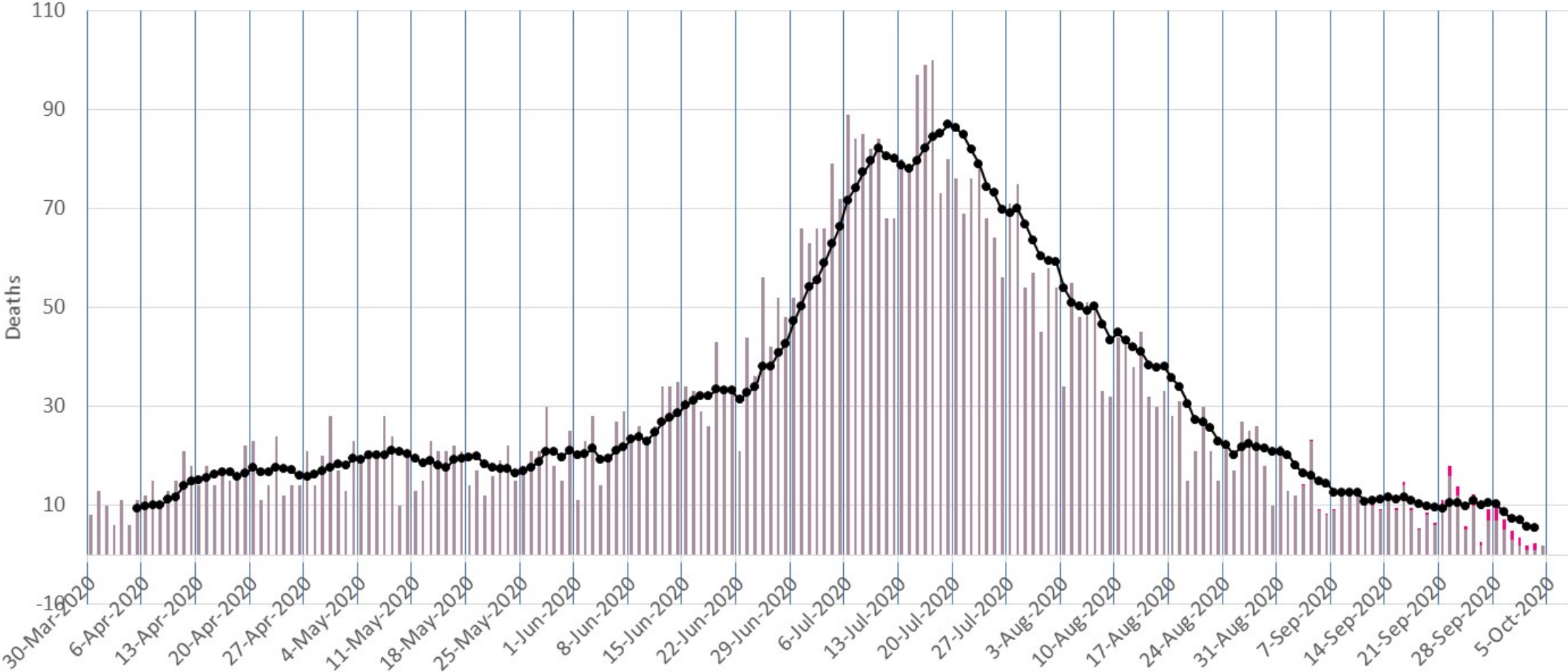
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Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)



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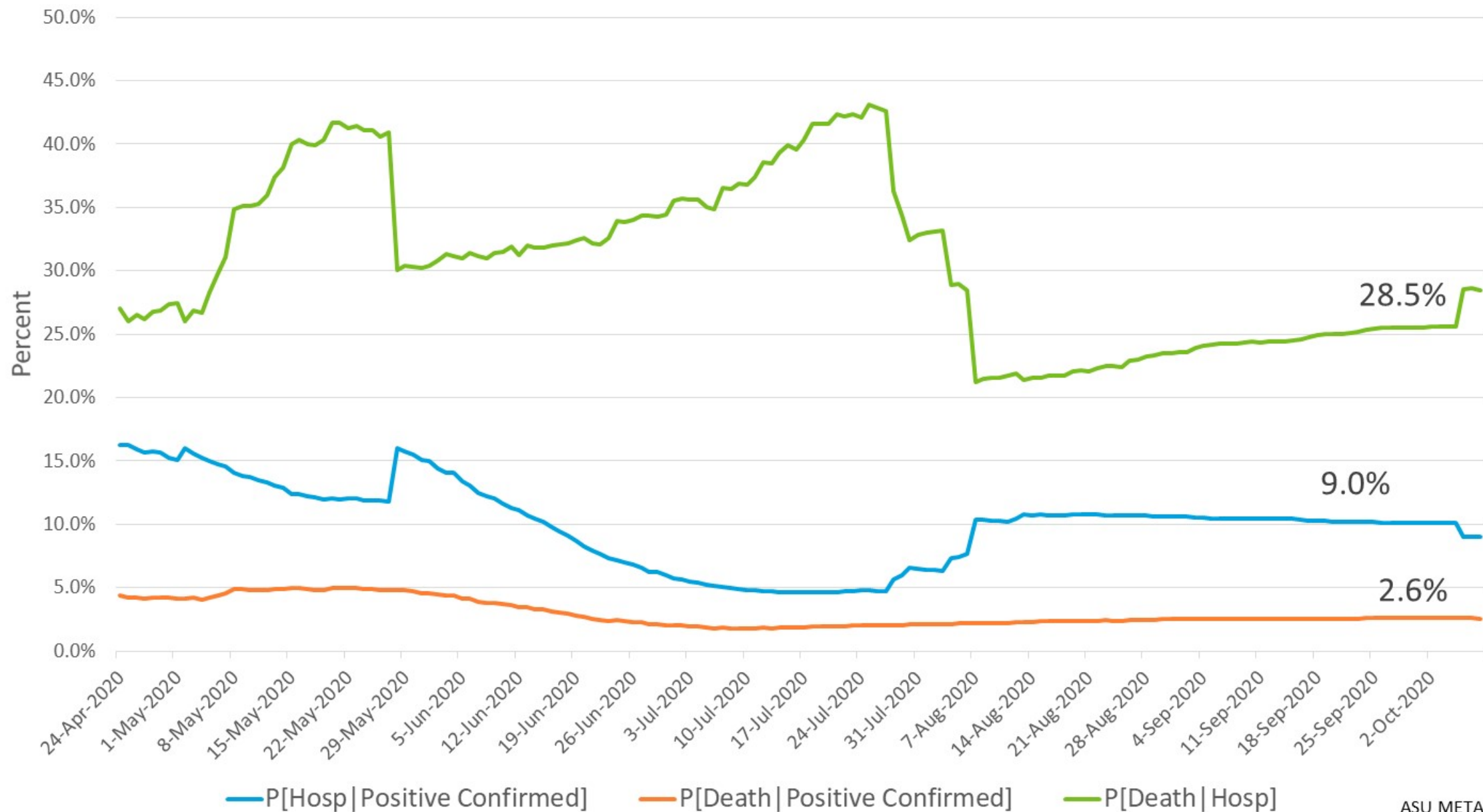
Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



Deaths (Daily) Anticipated Deaths Deaths (7-d average)

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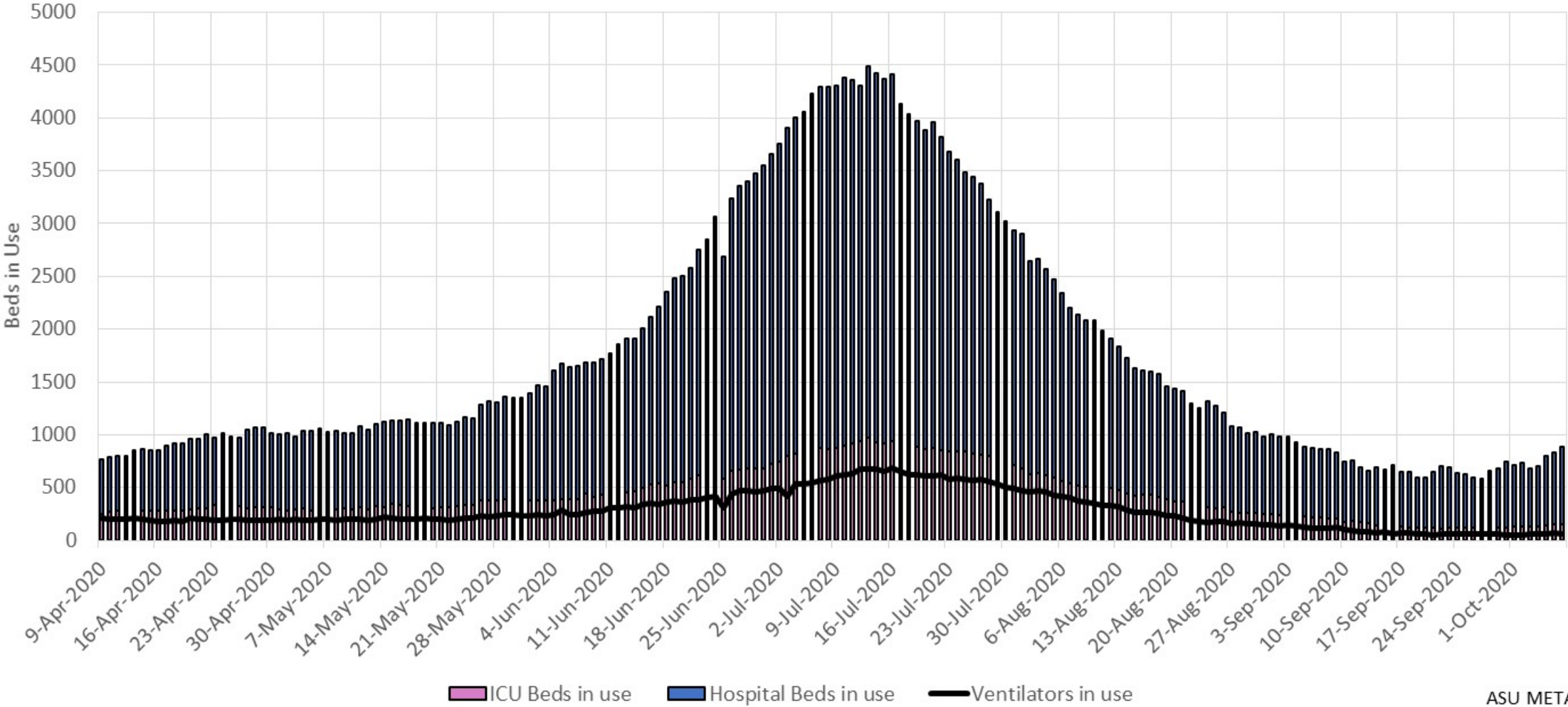
Arizona Statewide Case Fatality and Hospitalization Rates



Hospital Usage

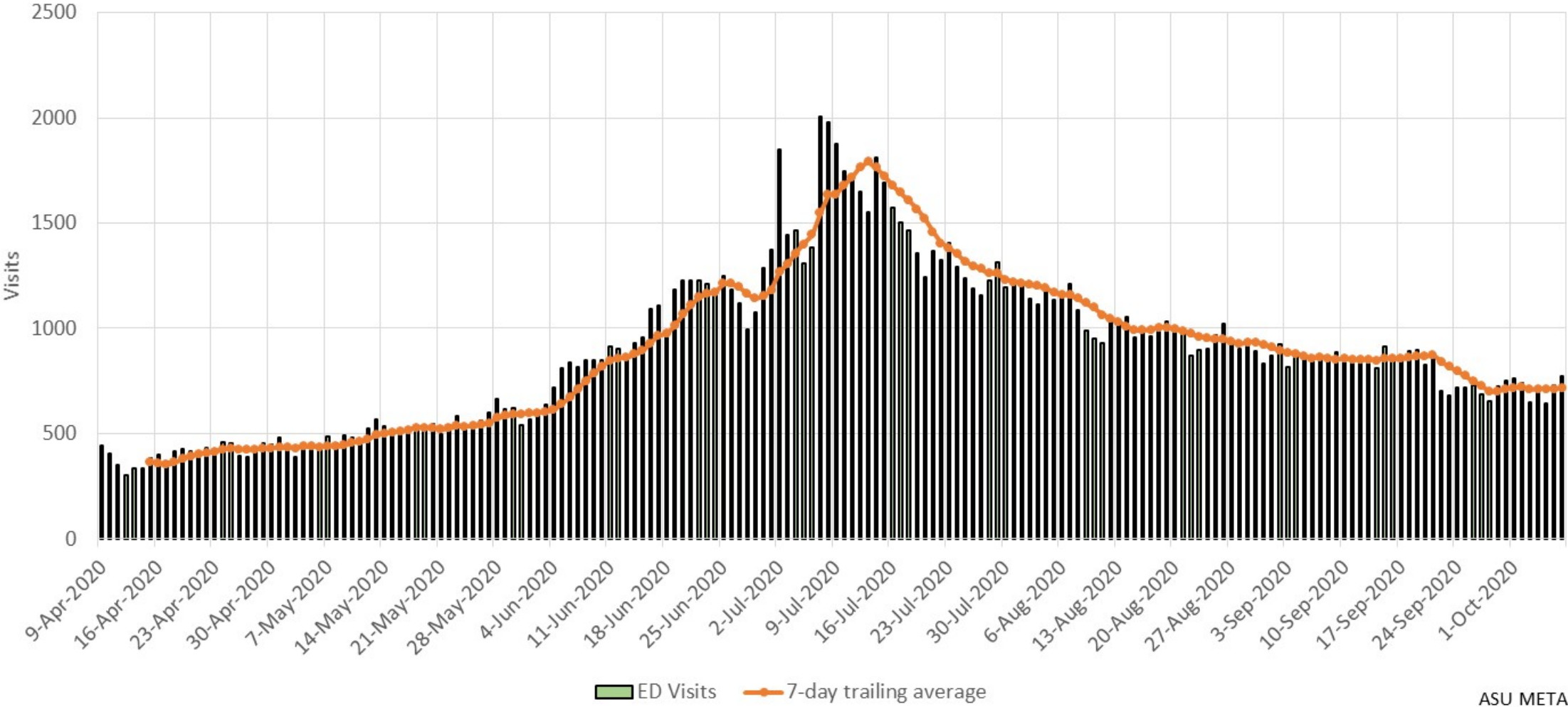


Arizona Statewide COVID-19 Hospital Resource Utilization



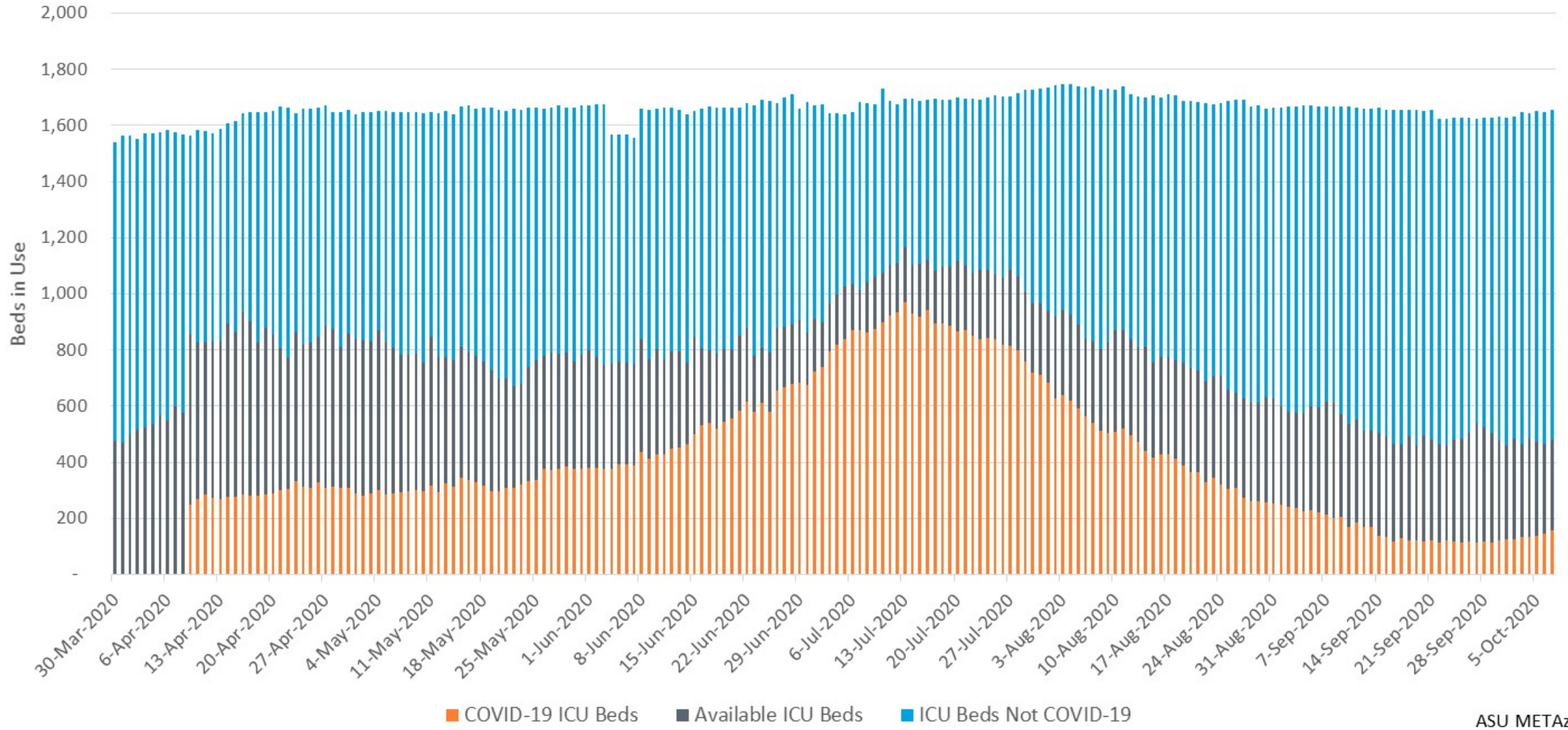
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Arizona Statewide COVID-19 Emergency Department Visits



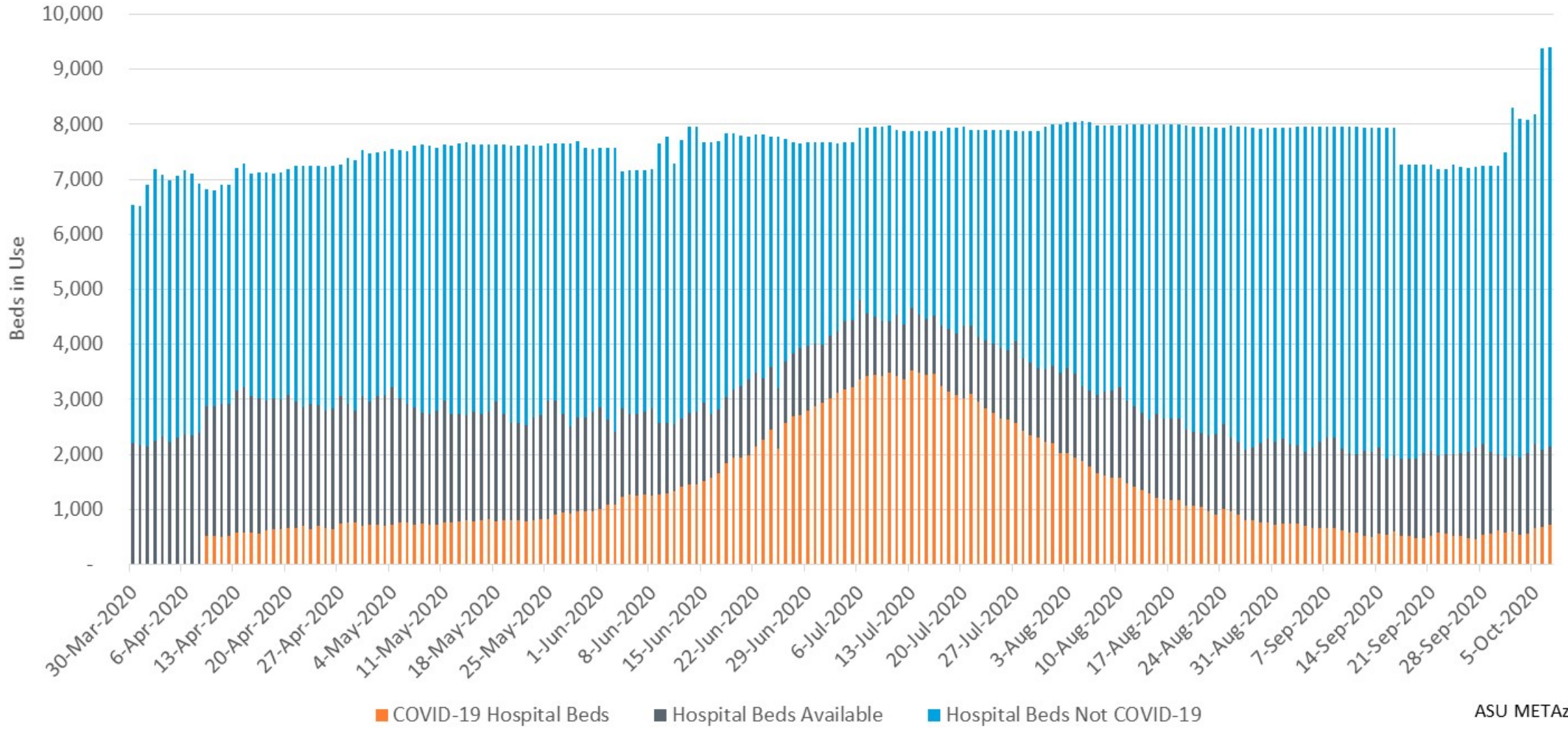
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Arizona Statewide ICU Bed Usage



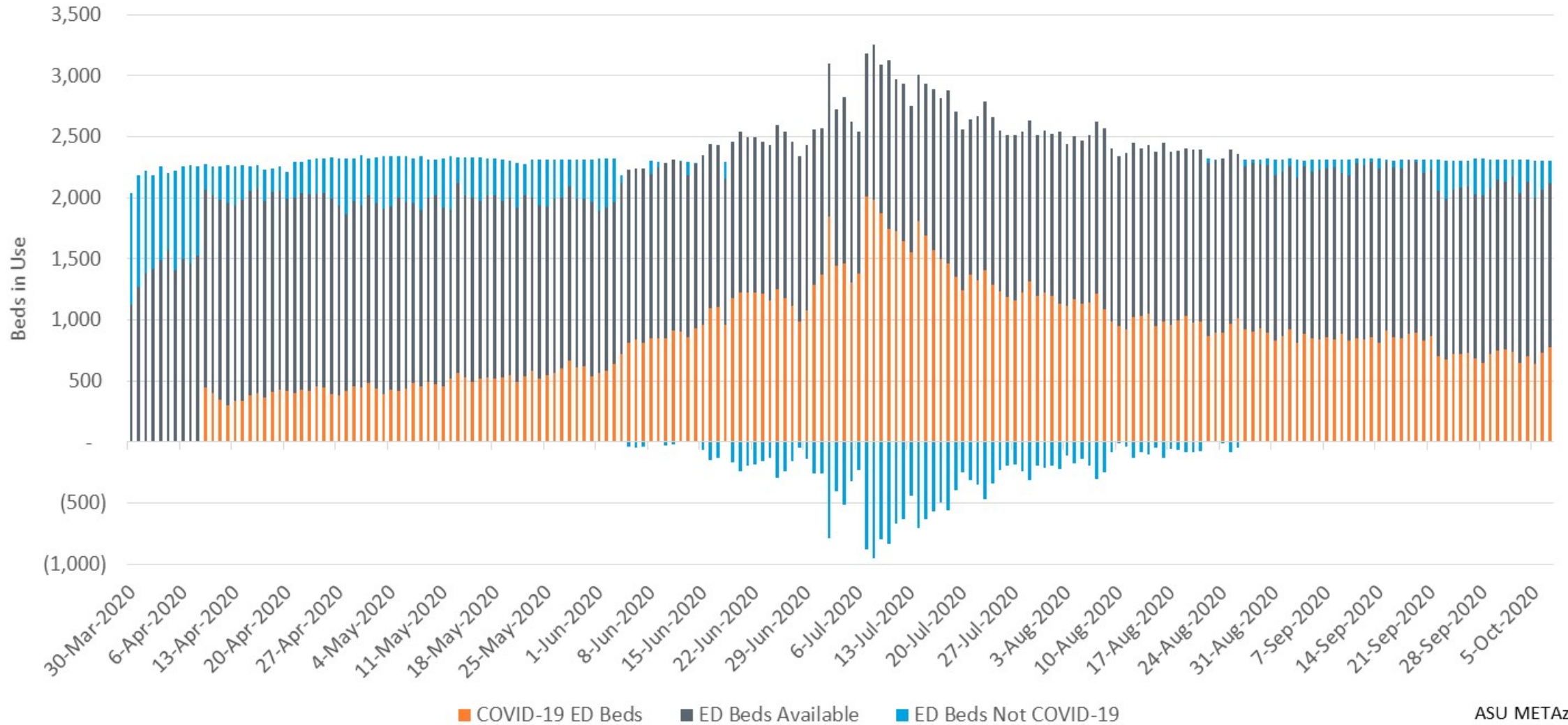
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Arizona Statewide Inpatient Bed Usage



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Arizona Statewide ED Bed Usage



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