



COVID Epidemiology Situation Update

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October 26, 2020

Summary

October 26, 2020				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	801	238,964	540	154,722
PCR Tests	8,394	1,714,801	4676	1,009,237
% Positive	9.5%	13.9%	11.5%	11.4%
Hospitalizations	11	21,097	9	13,182
Deaths	1	5,875	1	3,541

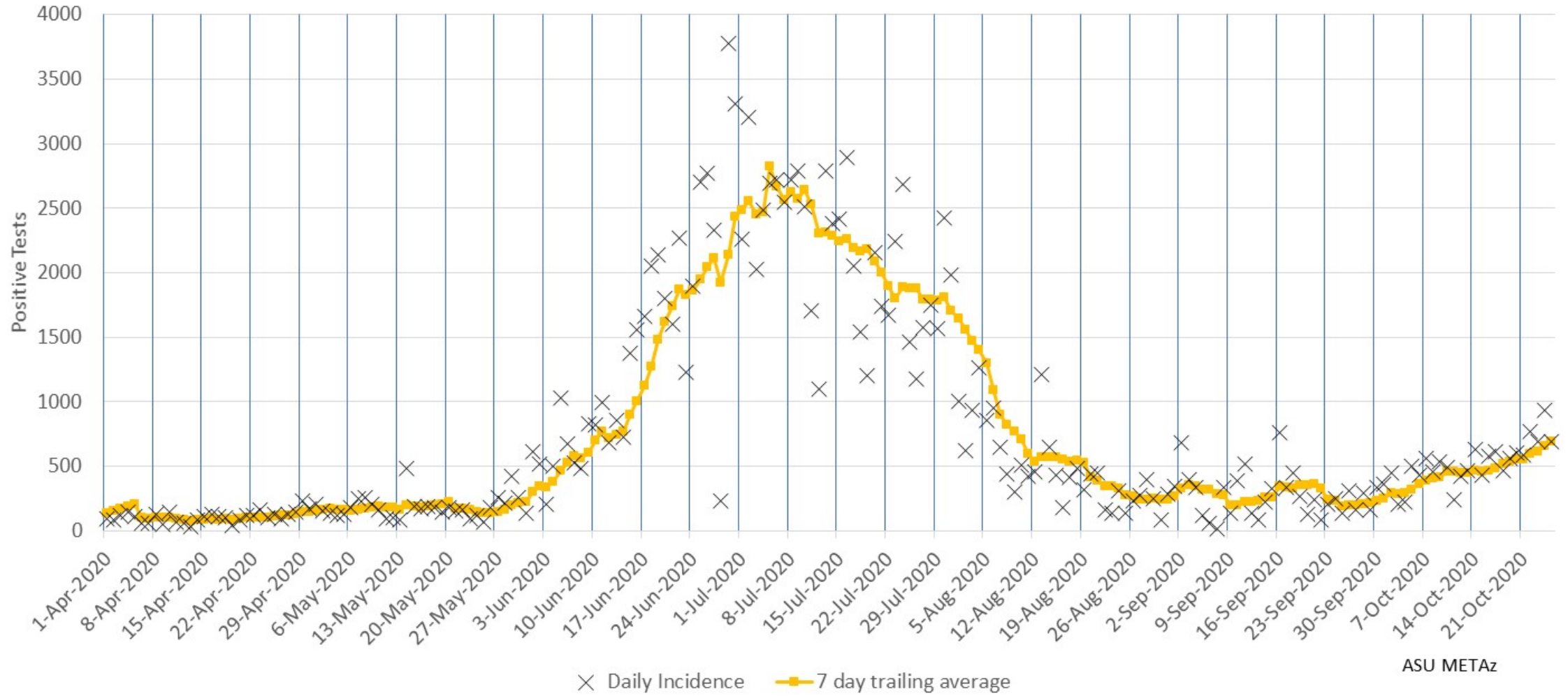
All data pulled from azdhs.gov. Numbers may not match Maricopa county data.

- Today's statewide case count is 801, with 540 cases (67.4%) in Maricopa County, slightly higher than population distribution. The 7-day average for reported cases is now 1009.
- The epi curve continues to increase in Maricopa County and statewide. Case counts continue to rise and remain consistent with rates in mid-June. The upward trajectory by date of reporting, appears less steep than at the onset of exponential growth in June, suggesting different patterns of community transmission currently than in the previous wave of cases. However, the statewide adjusted average by date of sample collection resembles an exponential growth curve.
- Percent positivity statewide is 9.5%. Maricopa county positivity is 11.5%, with low testing numbers. Significantly more testing is needed to characterize the extent of the current outbreak.
- Hospital utilization and ED visits appear to be plateauing for a few days. There is no indication that hospital resources are at imminent risk of becoming overwhelmed.

Maricopa County Analysis

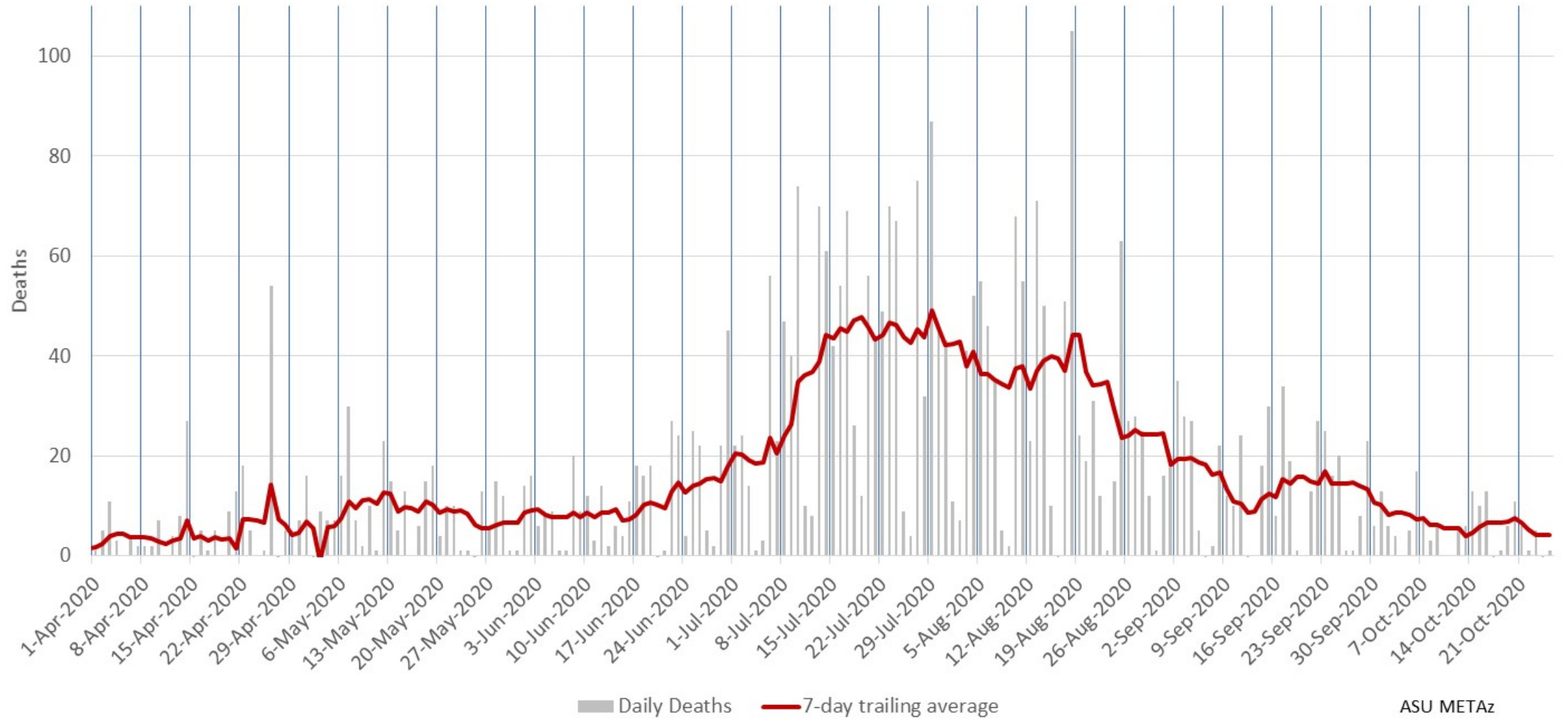


Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



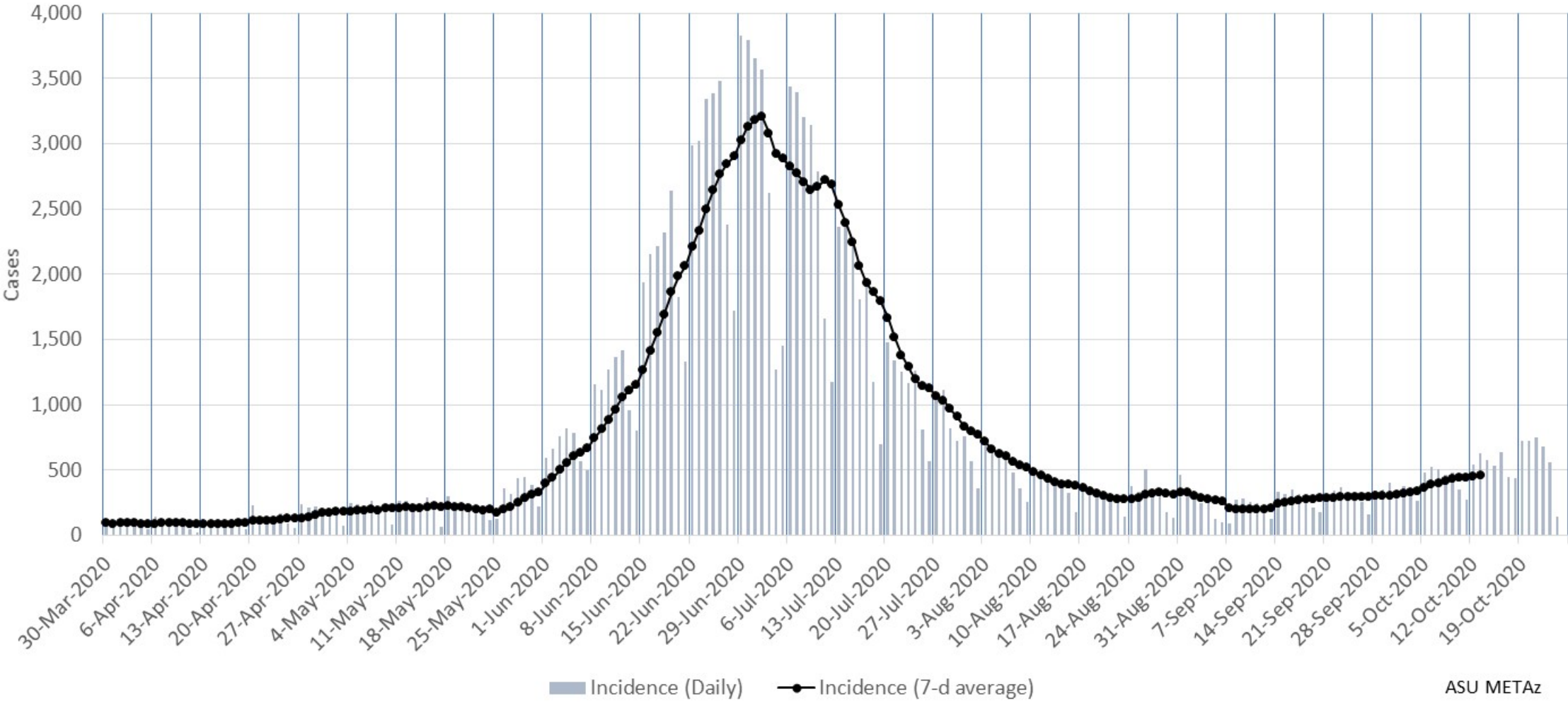
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Maricopa County Daily COVID-19 Deaths (by date of reporting)



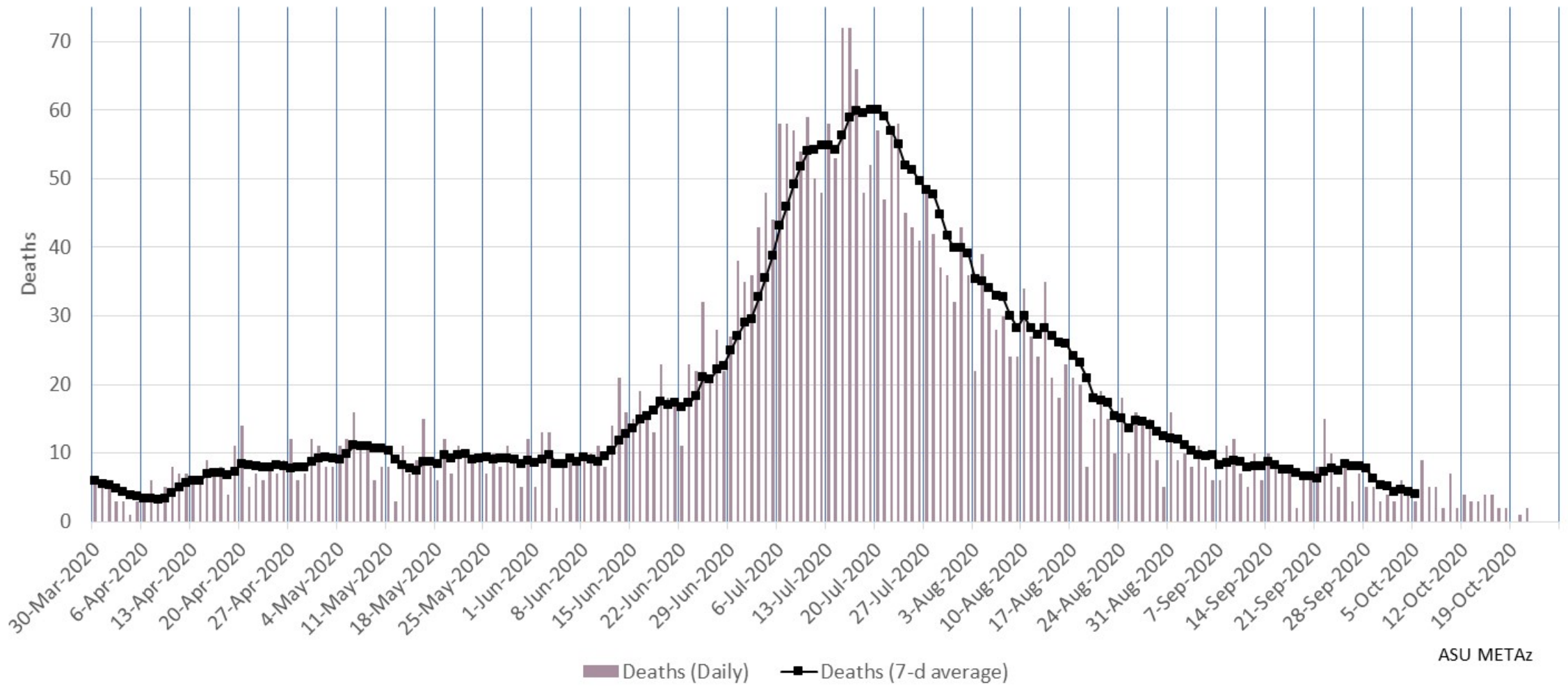
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Maricopa County Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)



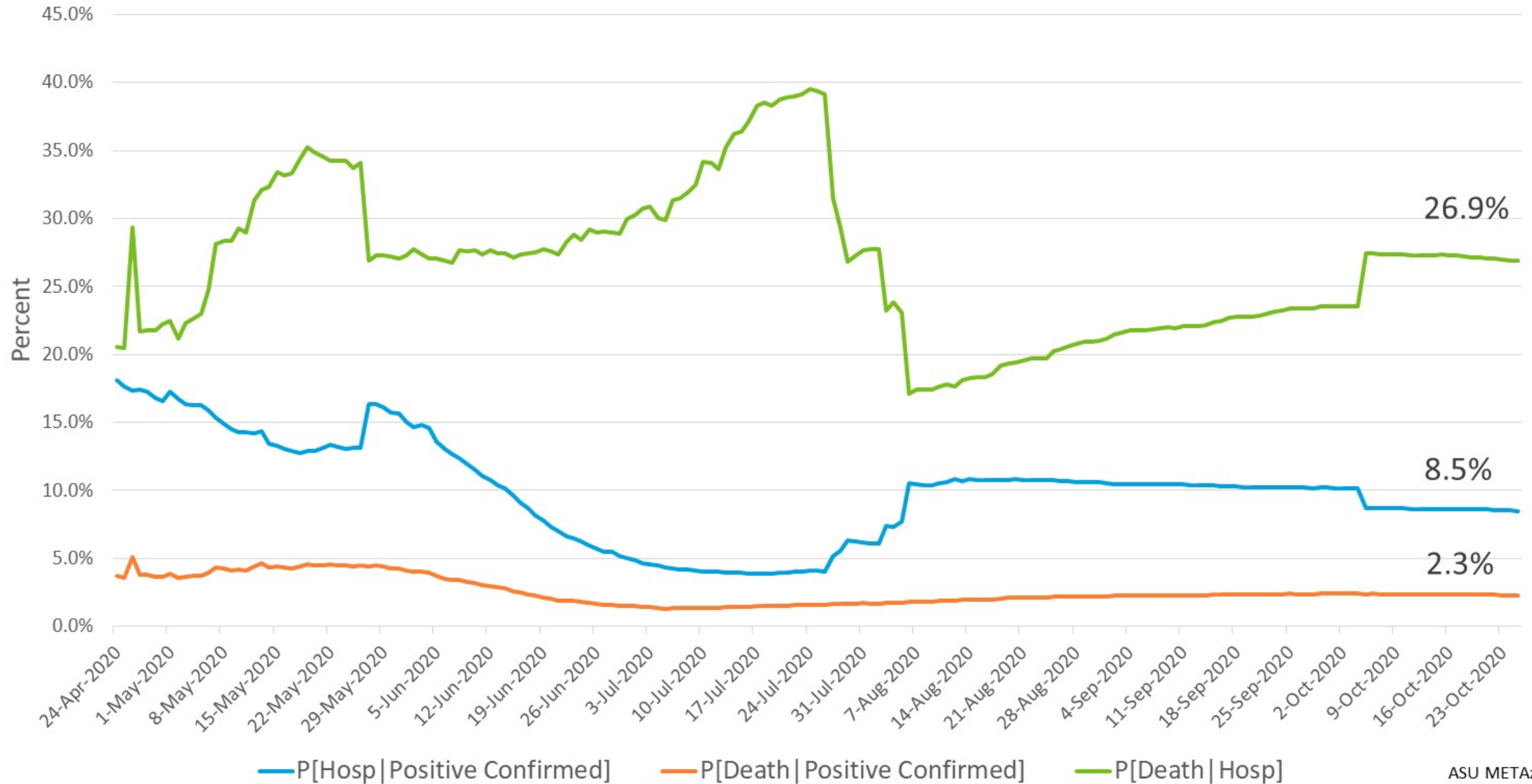
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Maricopa County Daily COVID-19 Deaths by Date of Death (Epi Curve)



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Maricopa County Case Fatality and Hospitalization Rates



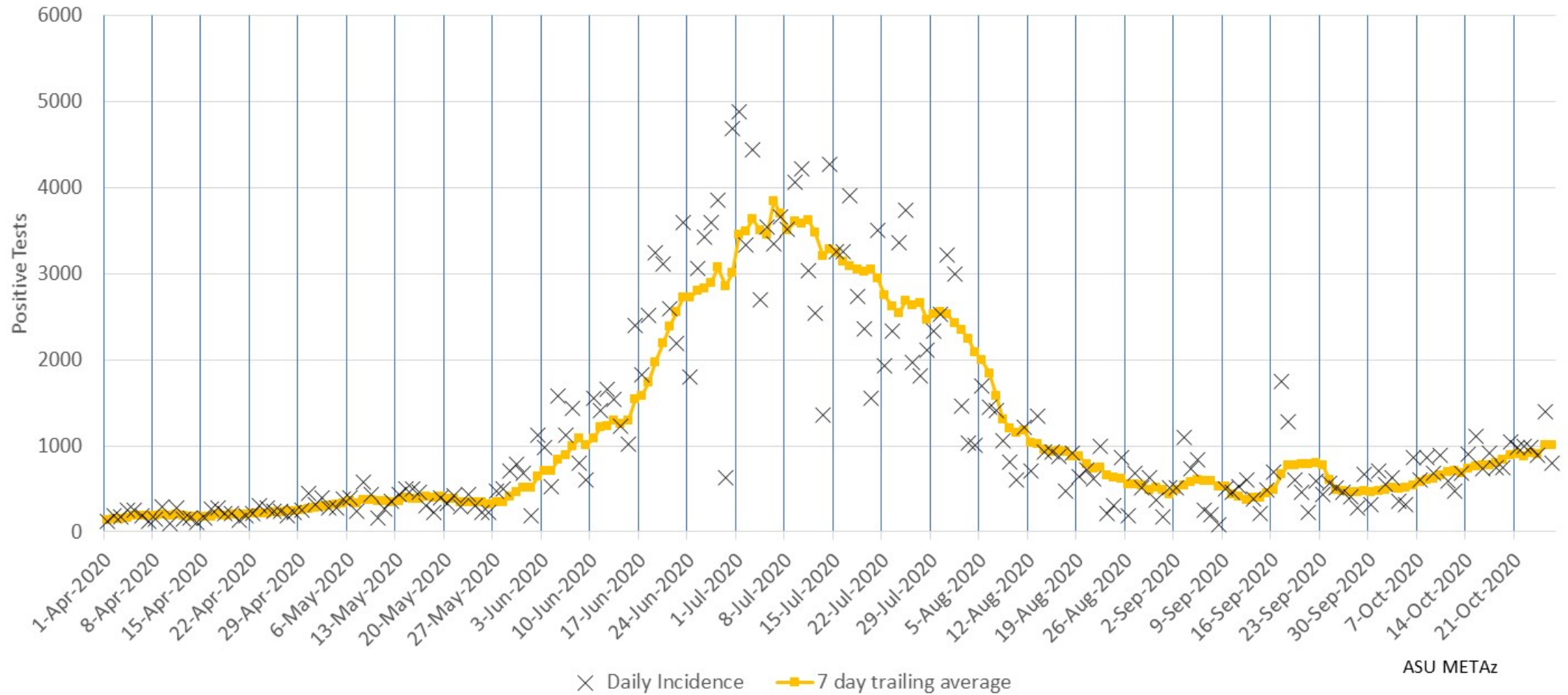
Arizona Statewide Analysis



Epidemiology

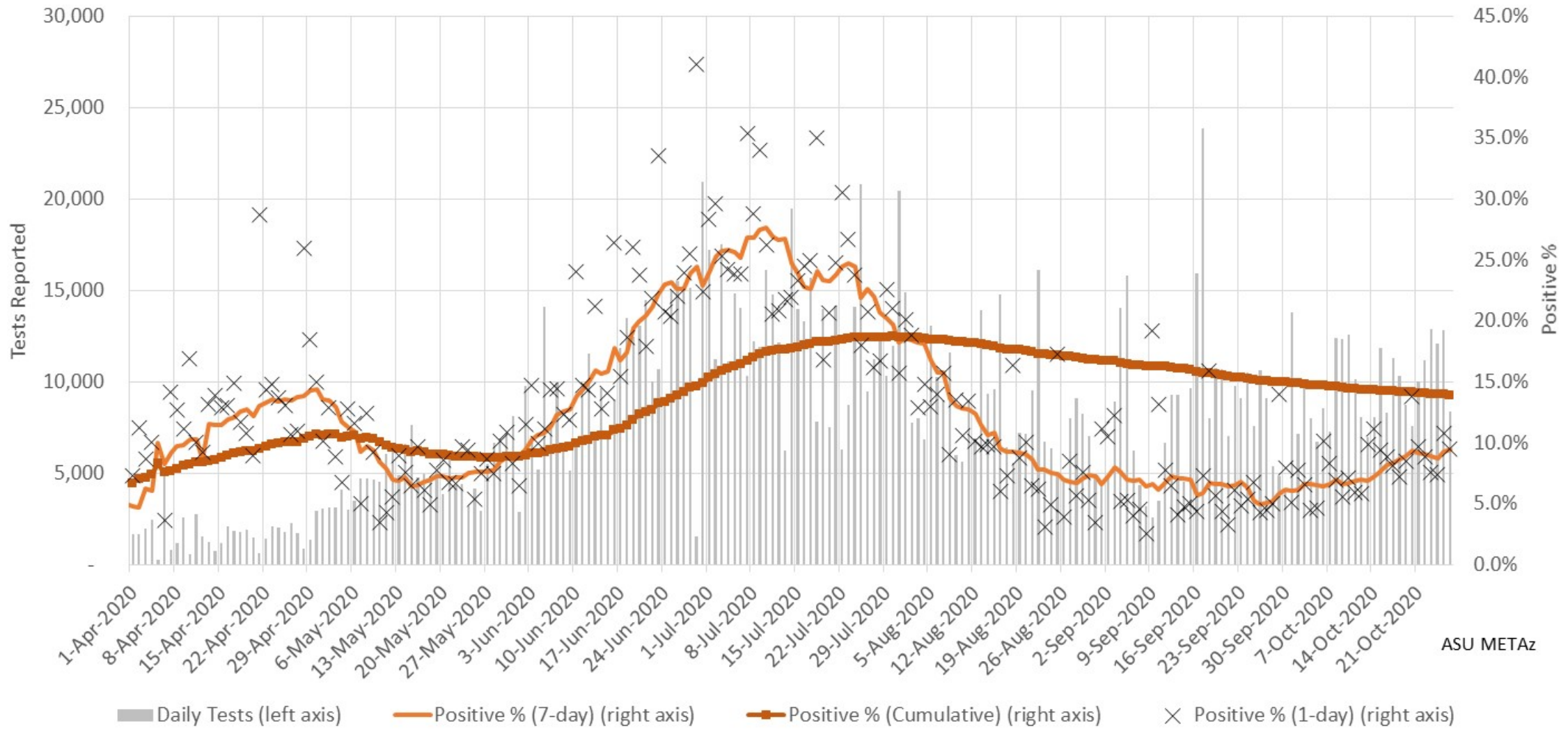


Arizona Statewide Daily COVID-19 Positive Tests Results Reported (confirmed incidence)

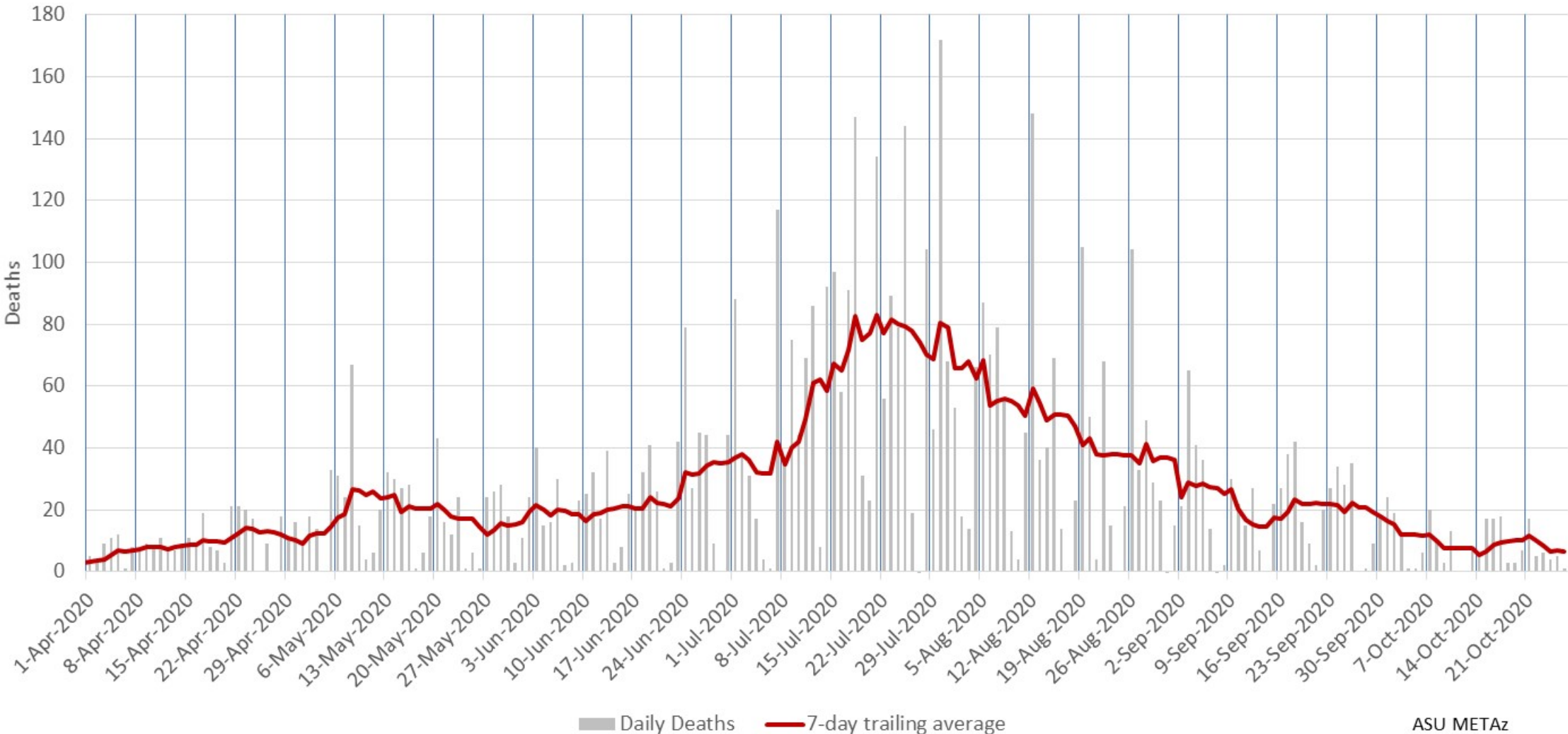


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Arizona Statewide Rolling weekly positive COVID-19 test rate

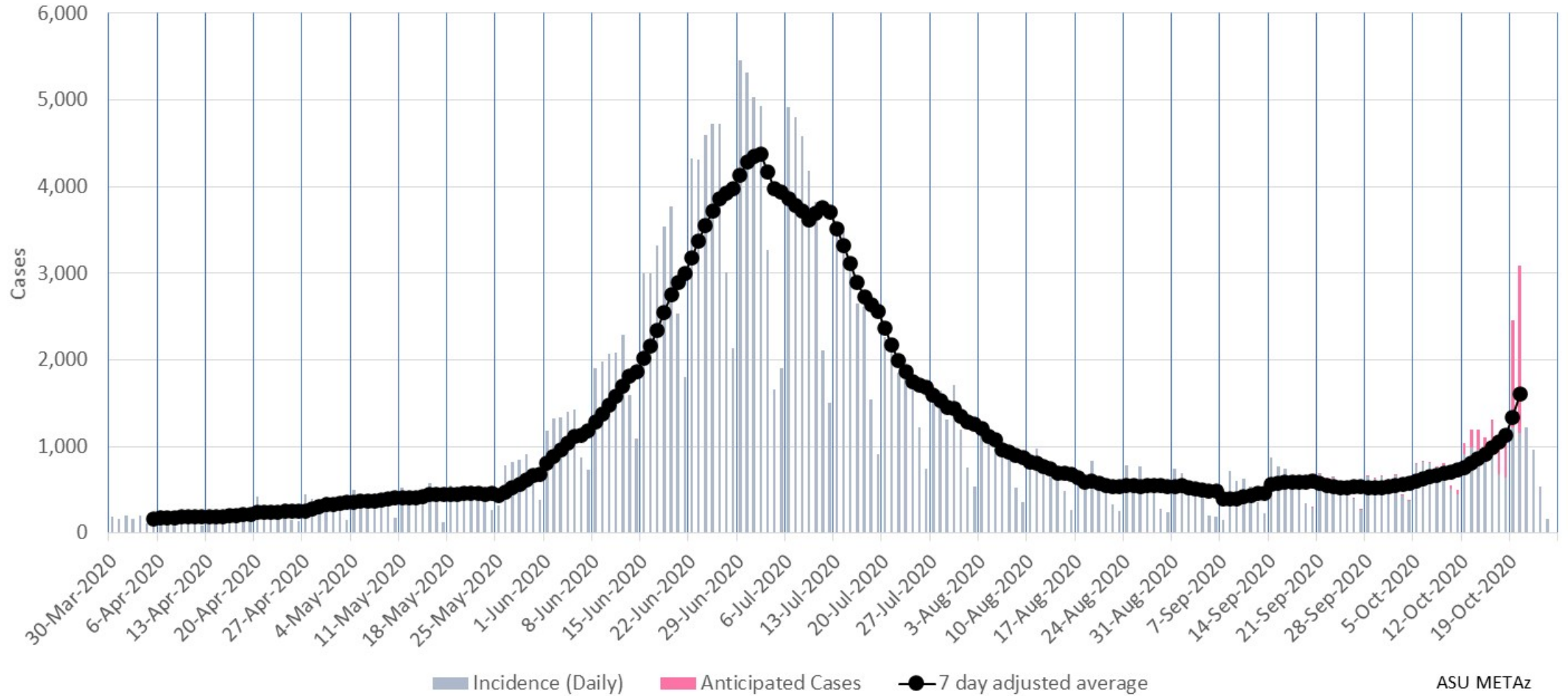


Arizona Statewide Daily COVID-19 Deaths (by date of reporting)



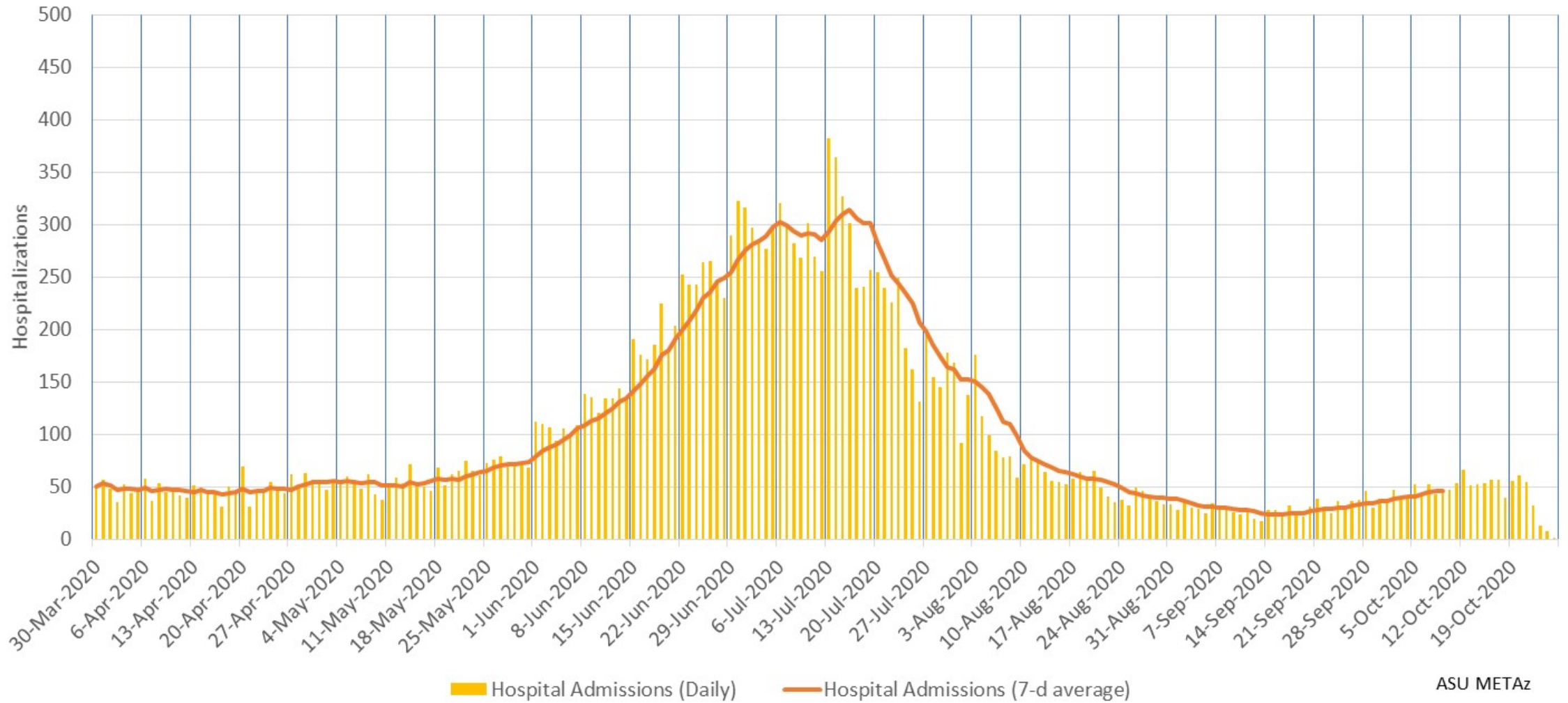
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Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)



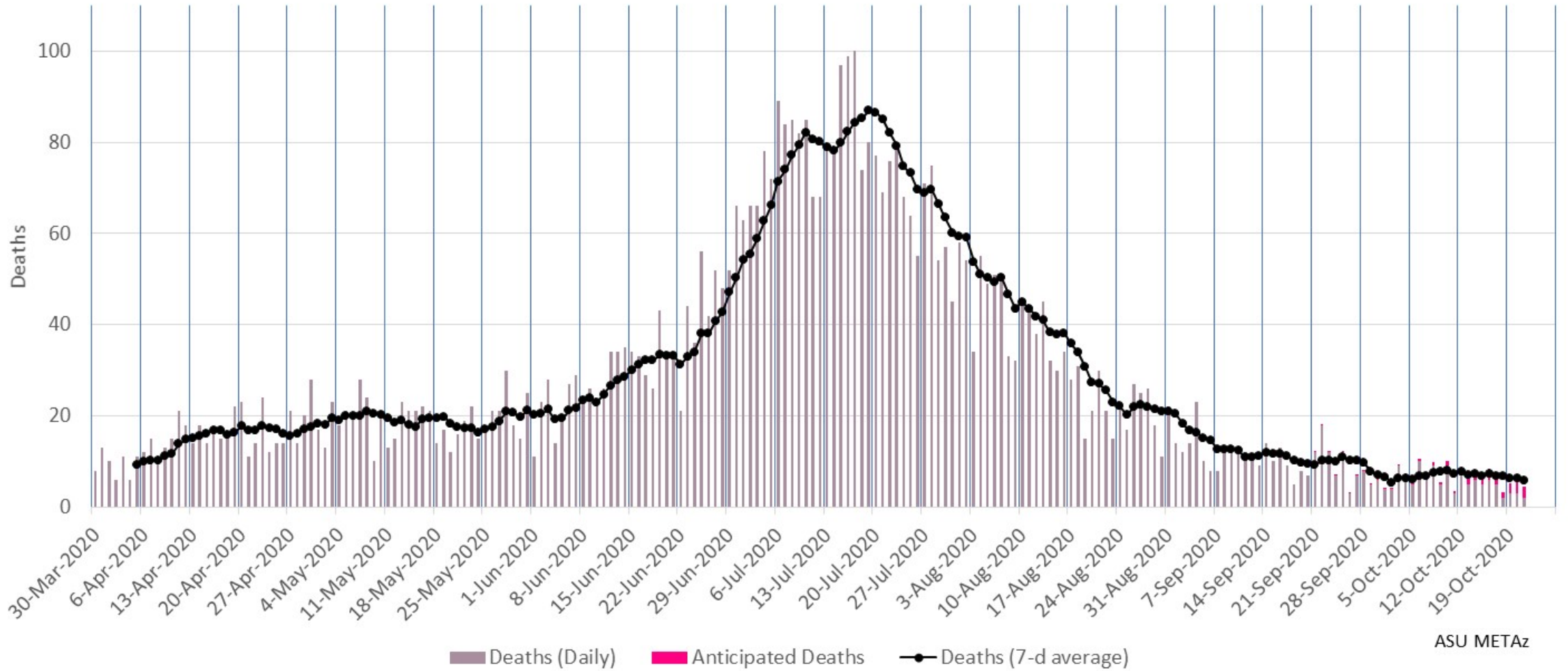
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Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)



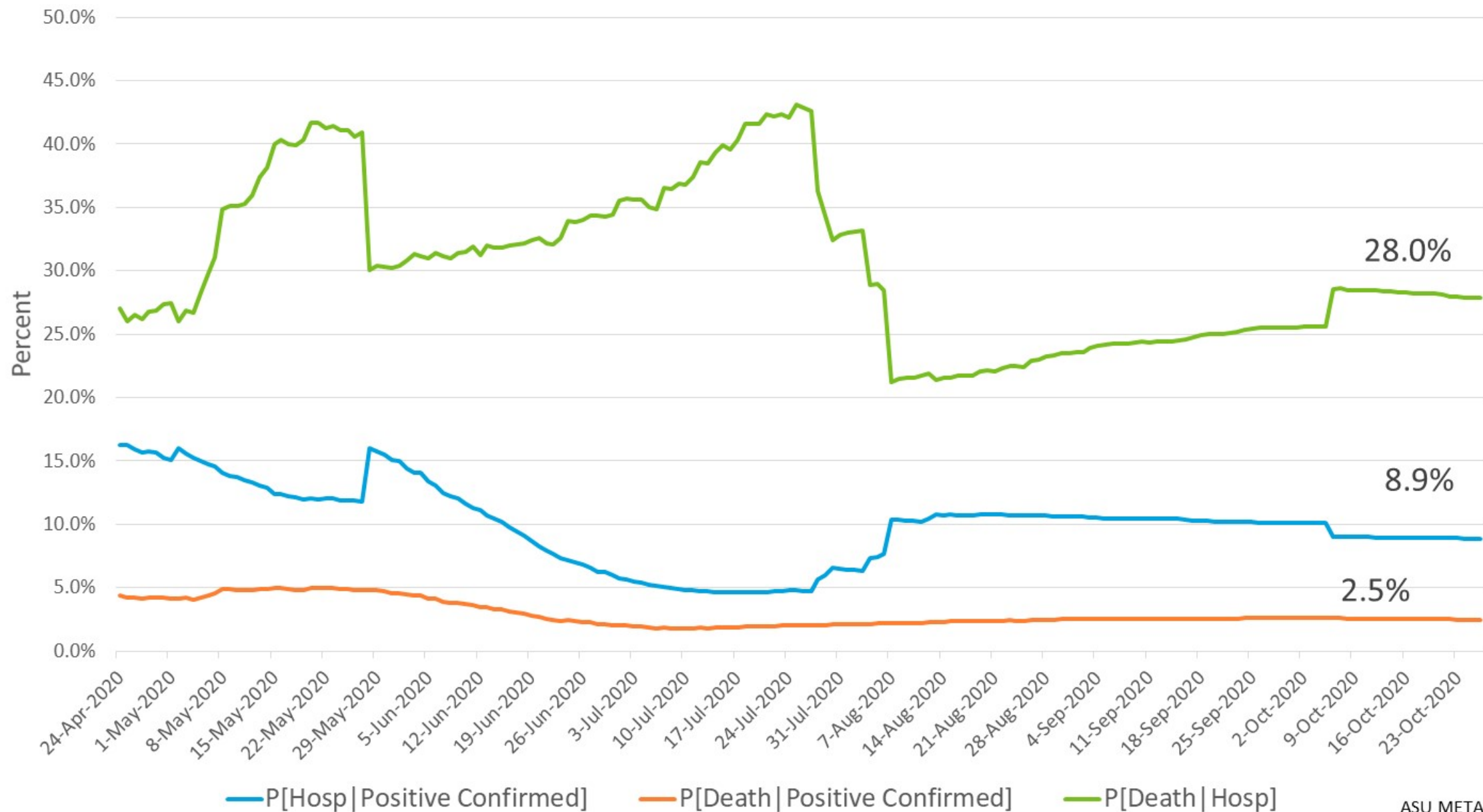
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Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



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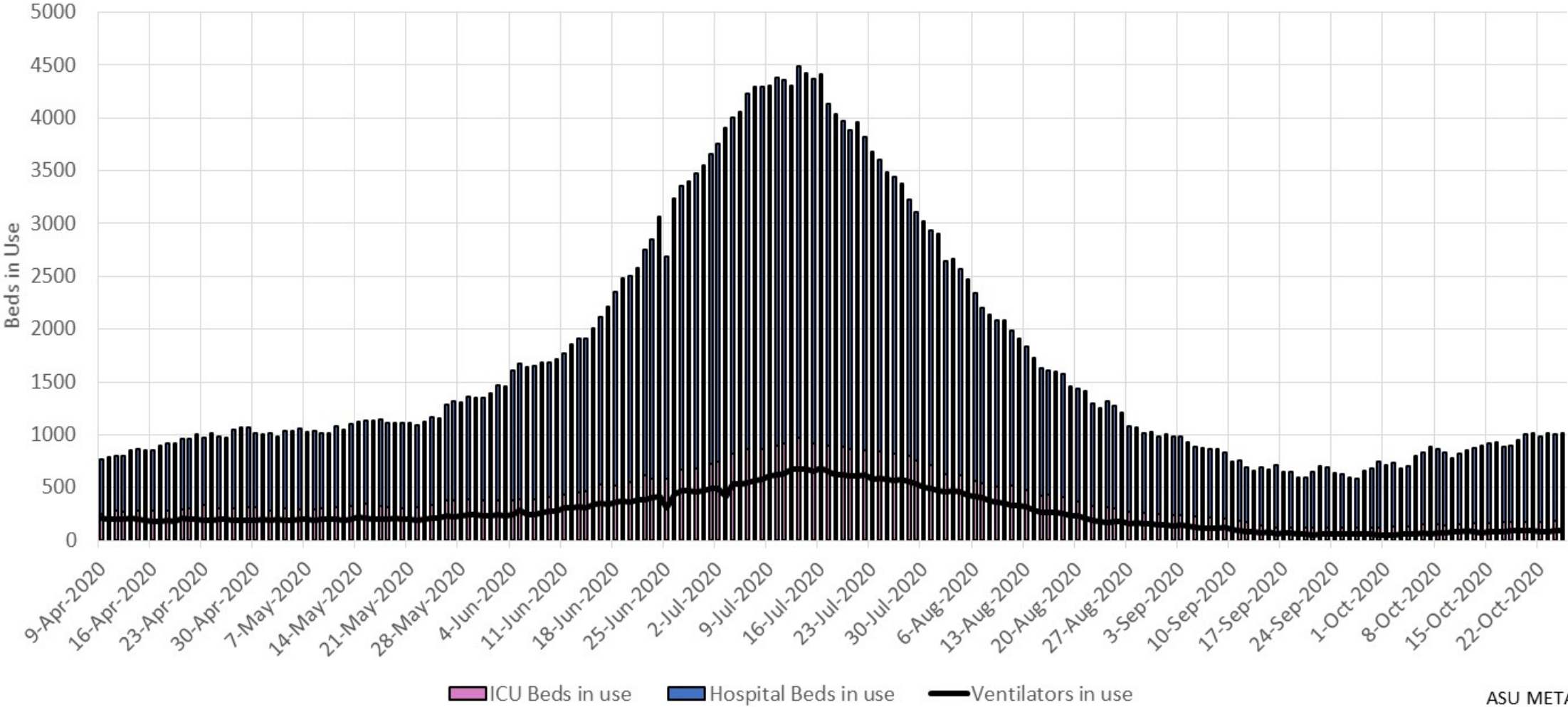
Arizona Statewide Case Fatality and Hospitalization Rates



Hospital Usage

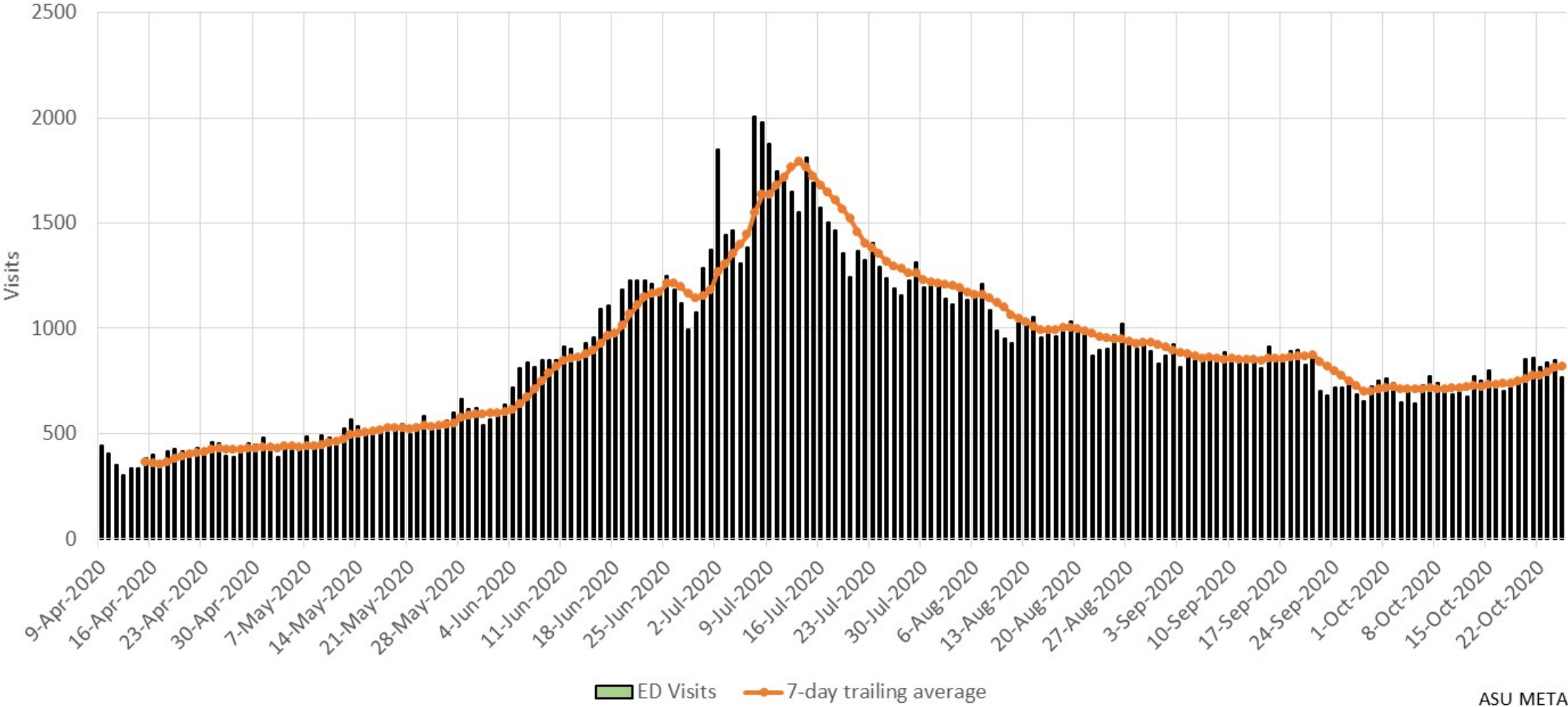


Arizona Statewide COVID-19 Hospital Resource Utilization



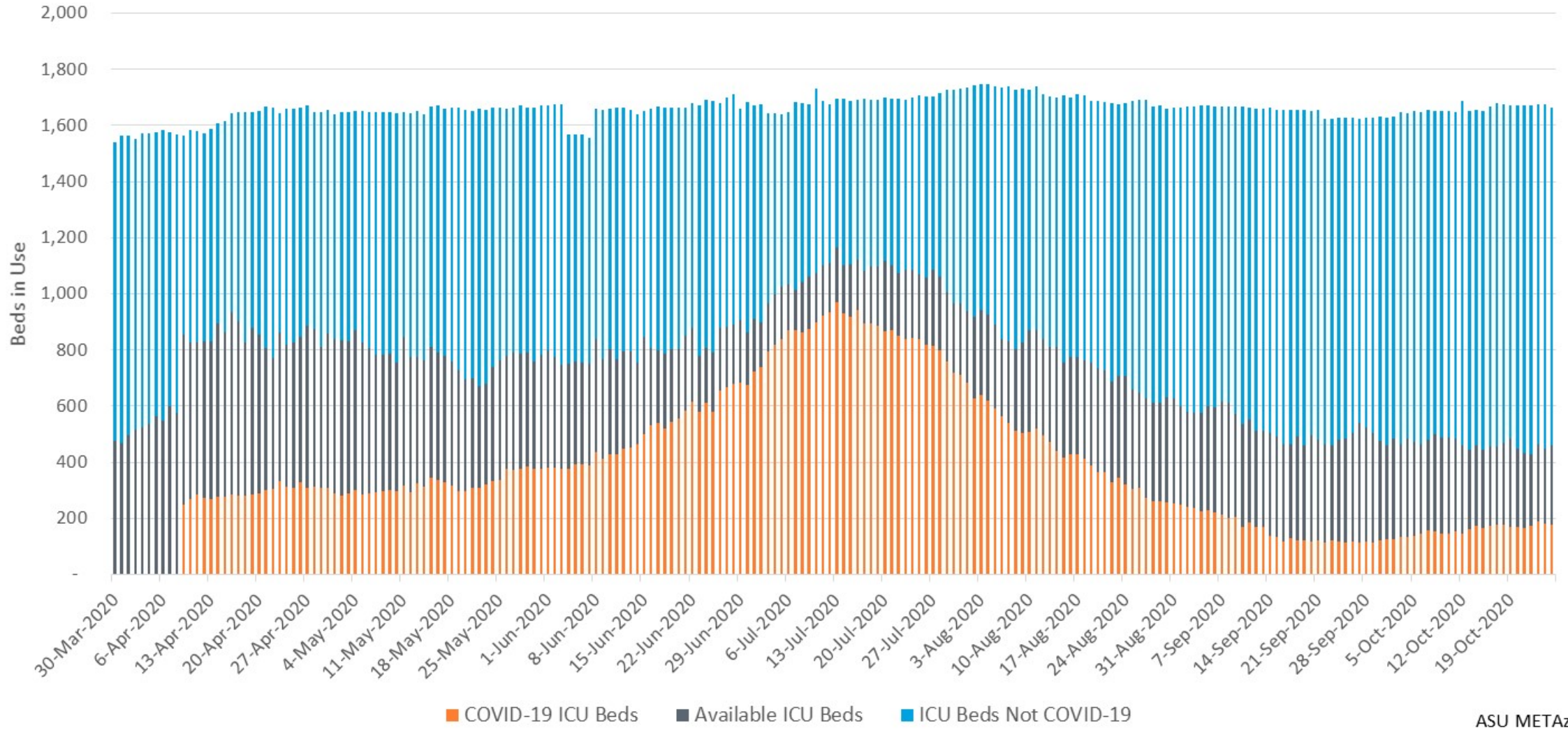
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Arizona Statewide COVID-19 Emergency Department Visits



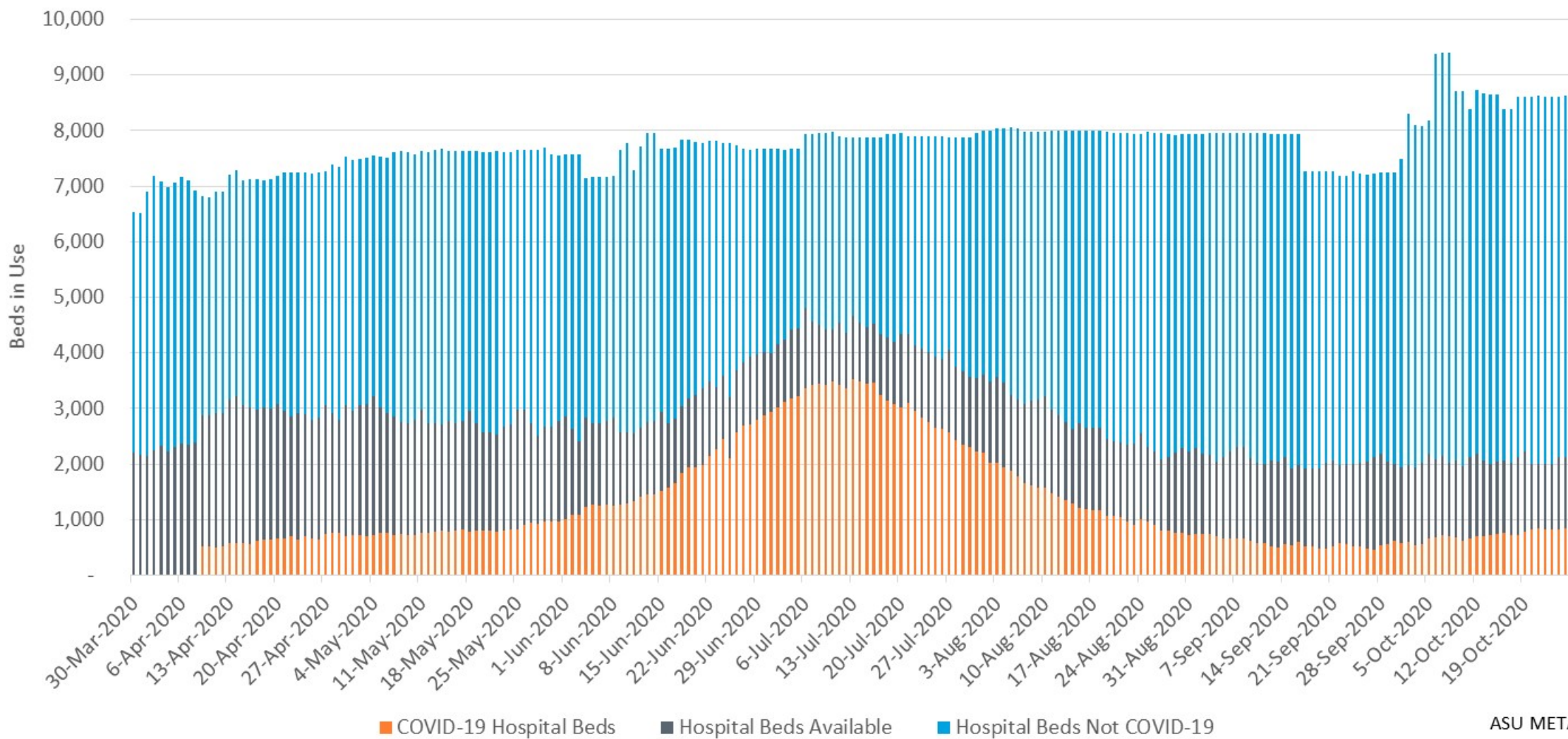
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Arizona Statewide ICU Bed Usage



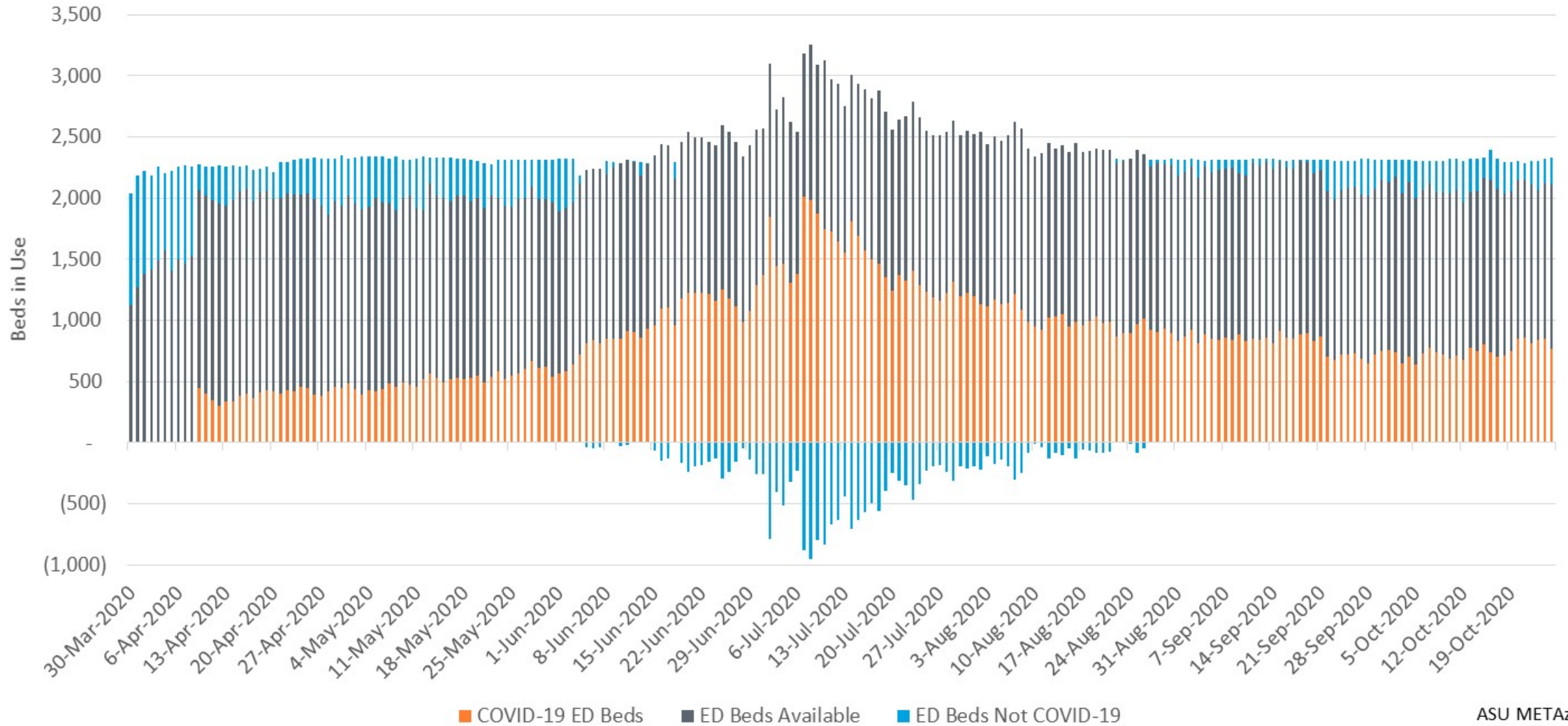
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Arizona Statewide Inpatient Bed Usage



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Arizona Statewide ED Bed Usage



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