



COVID Epidemiology Situation Update

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March 8, 2021

Summary

March 15, 2021				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	638	833,381	374	520,861
PCR Tests	6,560	3,930,176	3,600	2,352,741
% Positive	9.7%	21.2%	10.4%	14.7%
Hospitalizations	19	58,363	14	36,127
Deaths	0	16,553	0	9,437

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

- Today's statewide case count is 638 with 374 cases (58%) in Maricopa County, slightly lower than population distribution. After a plateau including a day of backfilled data reporting, the 7-day average for reported cases has fallen since last week to 878, similar to mid-October in the very early phases of the most recent surge.
- Peak cases by incident date remains 1/4.
- 7-day average positivity continues to trend downward and has now dropped below 15% for more than two weeks.
- Hospital utilization continues to decline slowly and is now at rates similar to early November for ICU and non-ICU beds. ER visits for COVID are similar to levels in mid-November.
- Bed usage for COVID-19 is 8% of inpatient beds and 12% of ICU beds statewide. Current hospital utilization is 87% for inpatient beds and 84% for ICU beds including COVID and non-COVID utilization.
- Hospital death rates for COVID-19 continue to increase slowly.
- COVID-19 remains the leading cause of death in Arizona in a 12-month period. Daily death rates continue to slowly decline after a mid-January peak. Death numbers are generally not updated on Mondays due to health department work schedules.

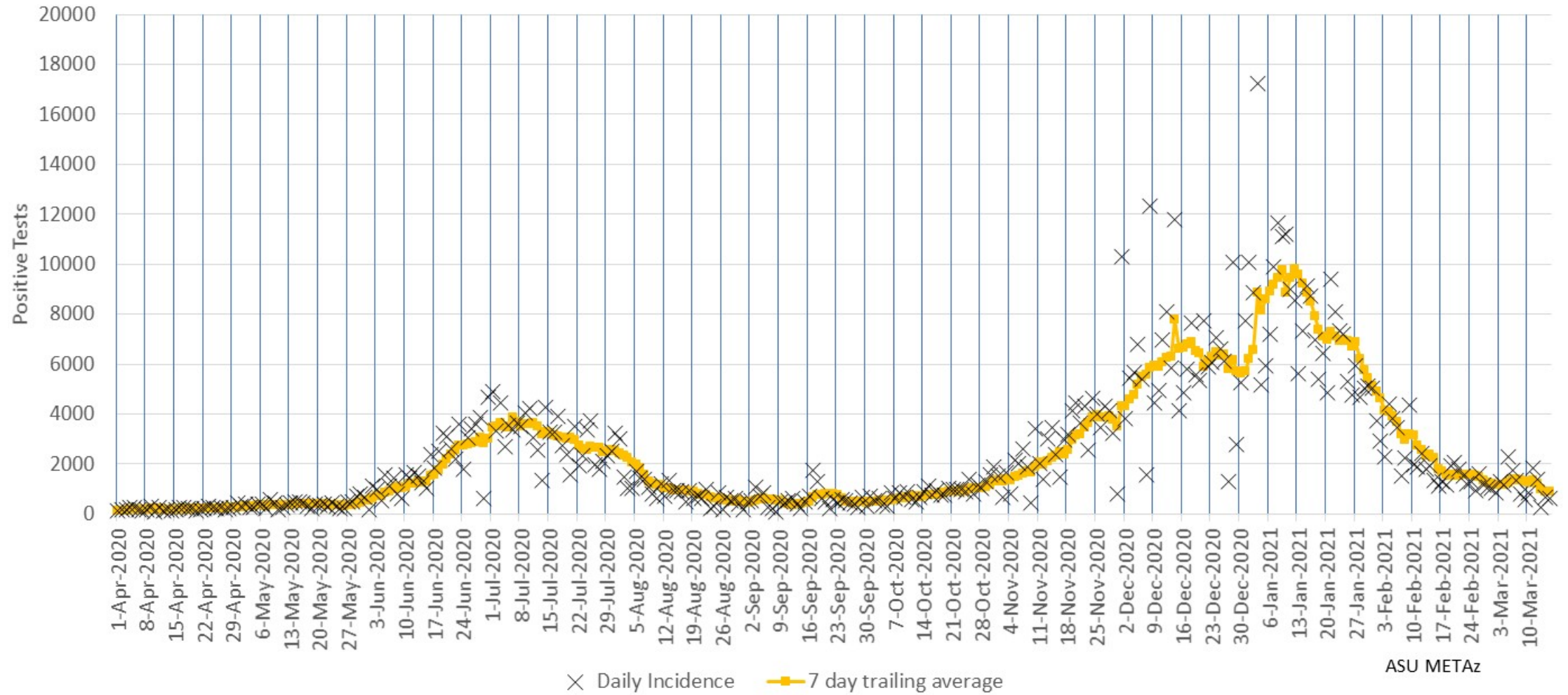
Arizona Statewide Analysis



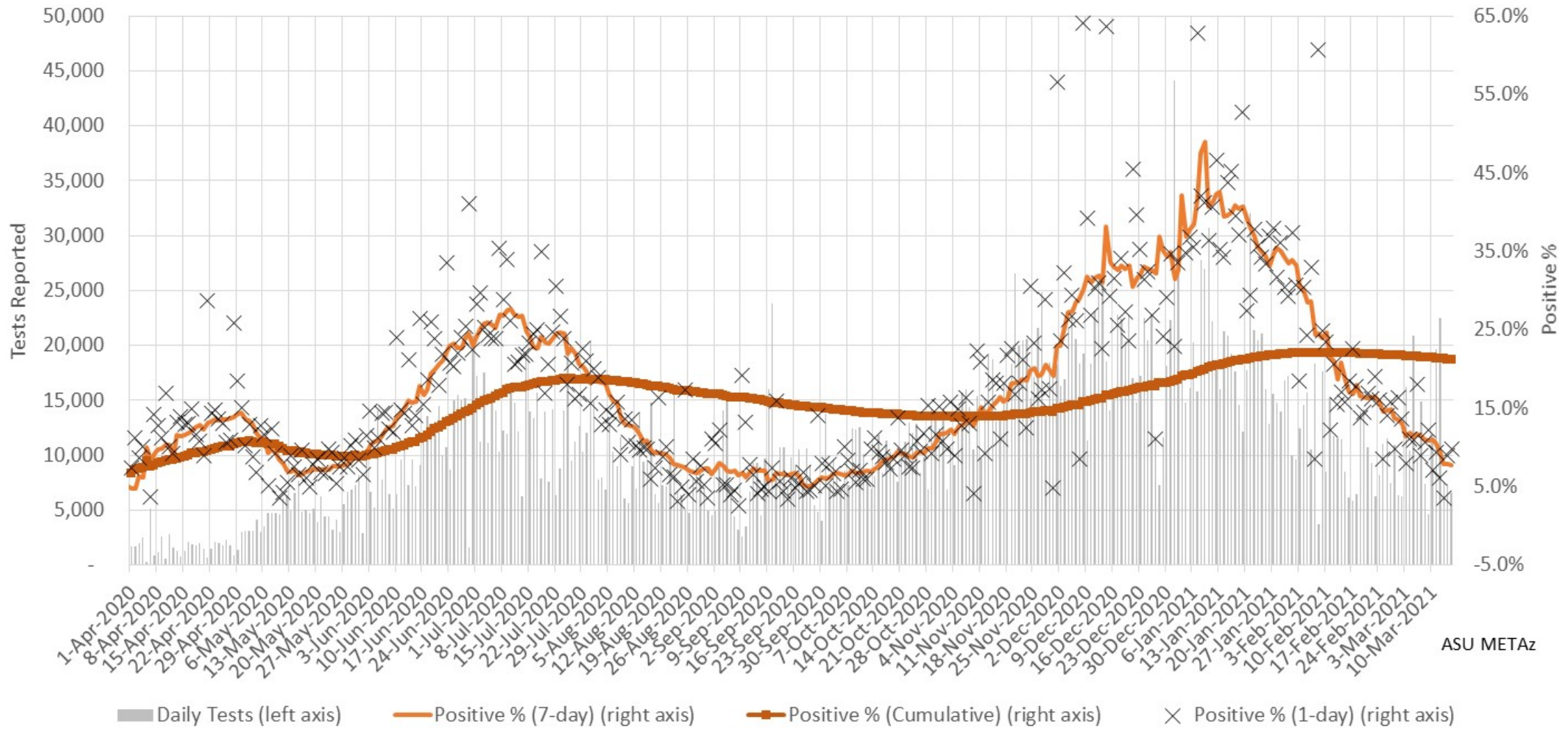
Epidemiology



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

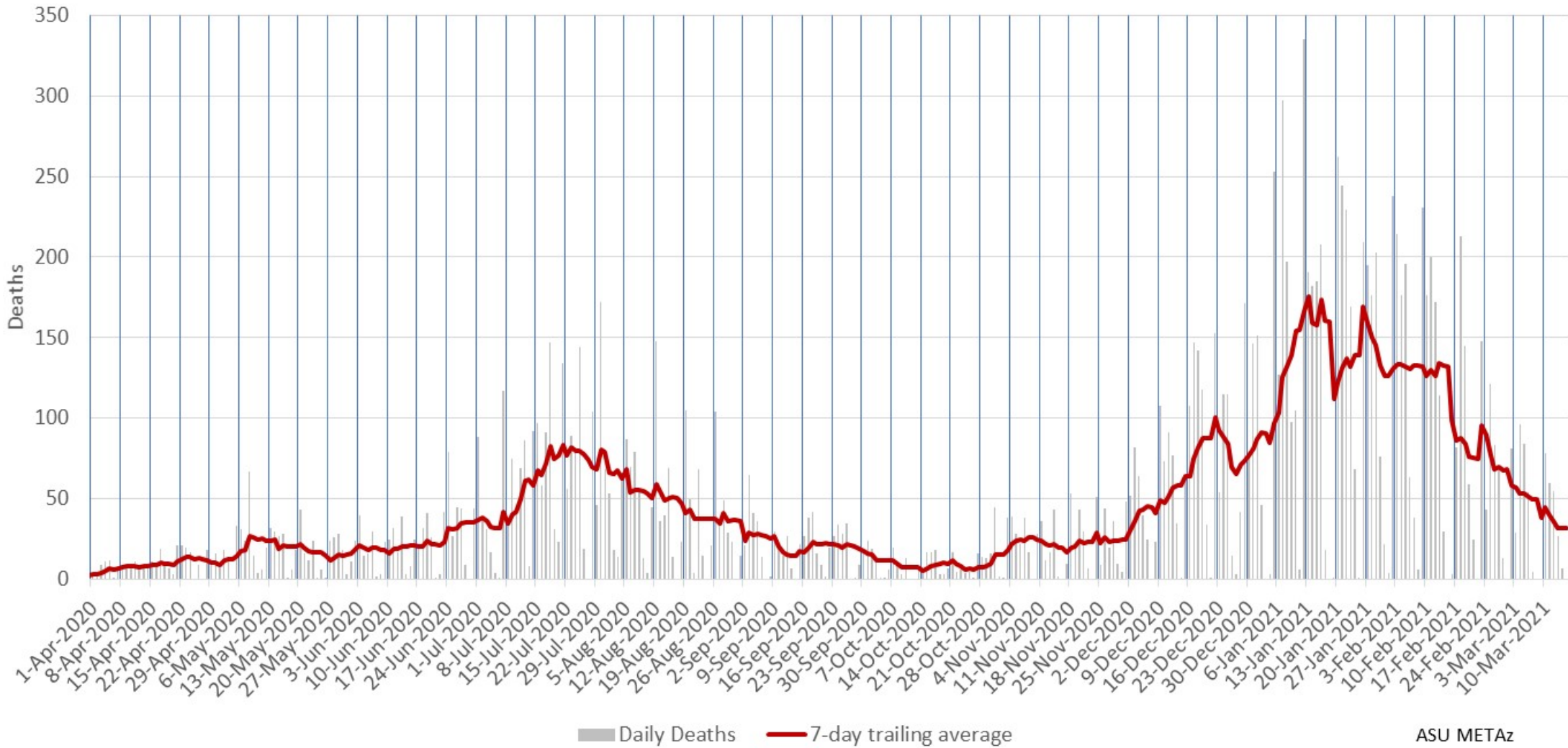


Arizona Statewide Rolling weekly positive COVID-19 test rate



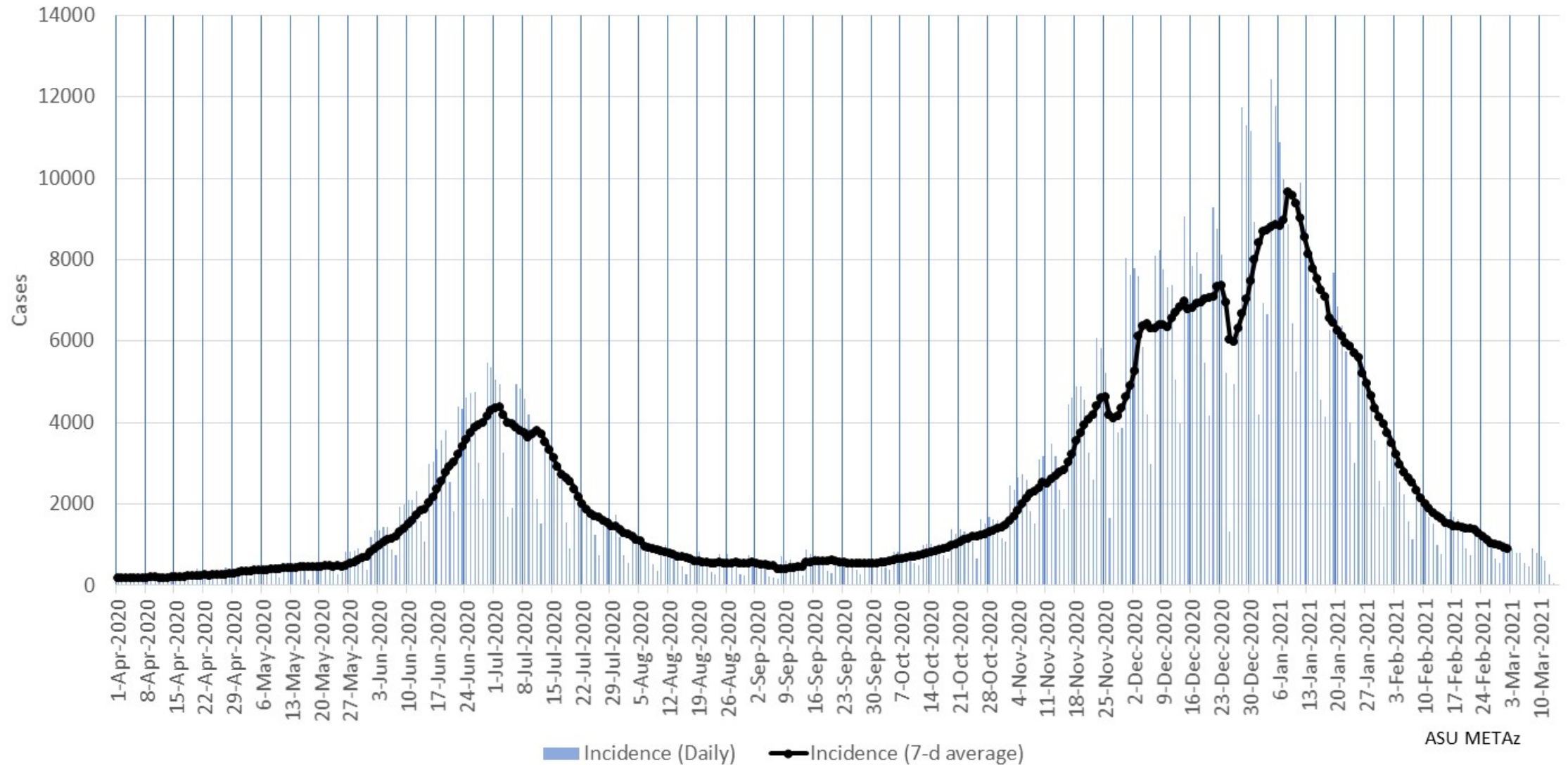
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Arizona Statewide Daily COVID-19 Deaths (by date of reporting)



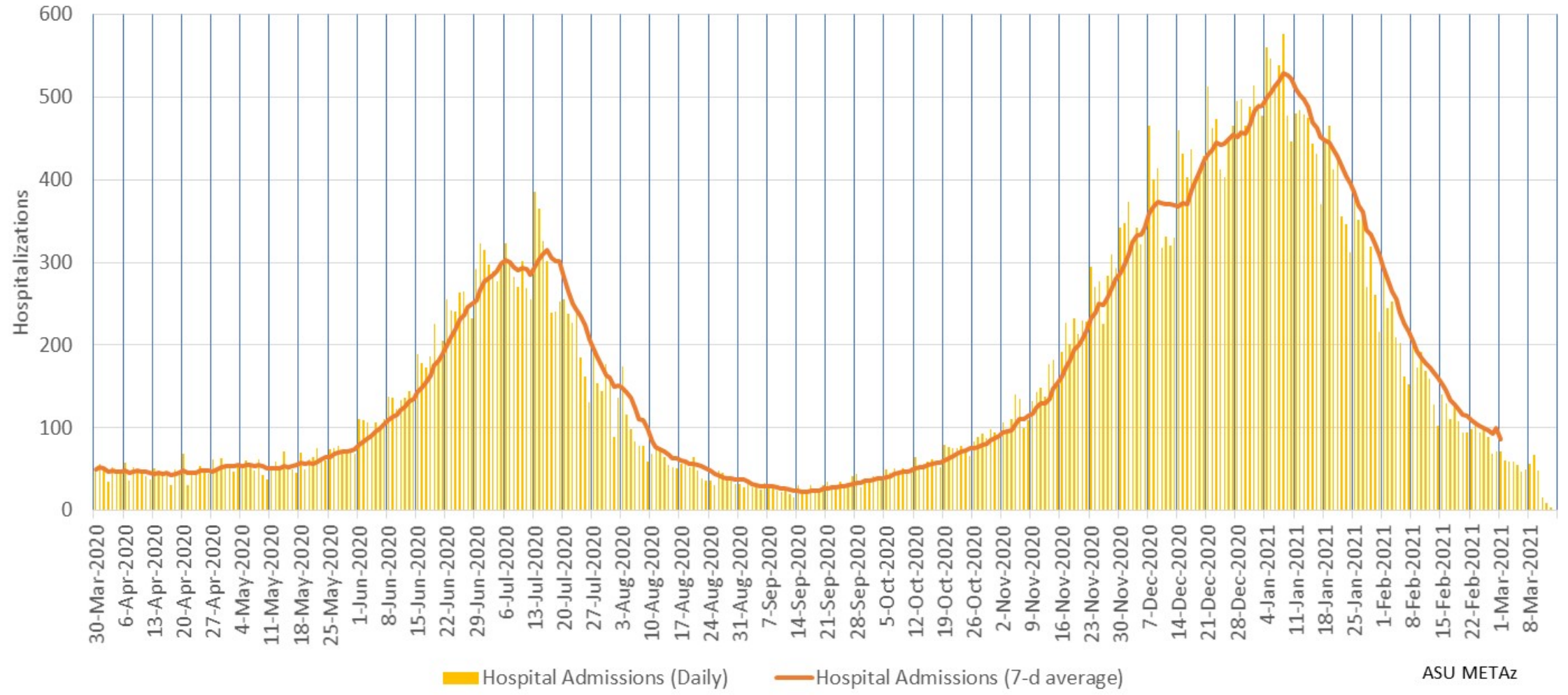
ASU METAz

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



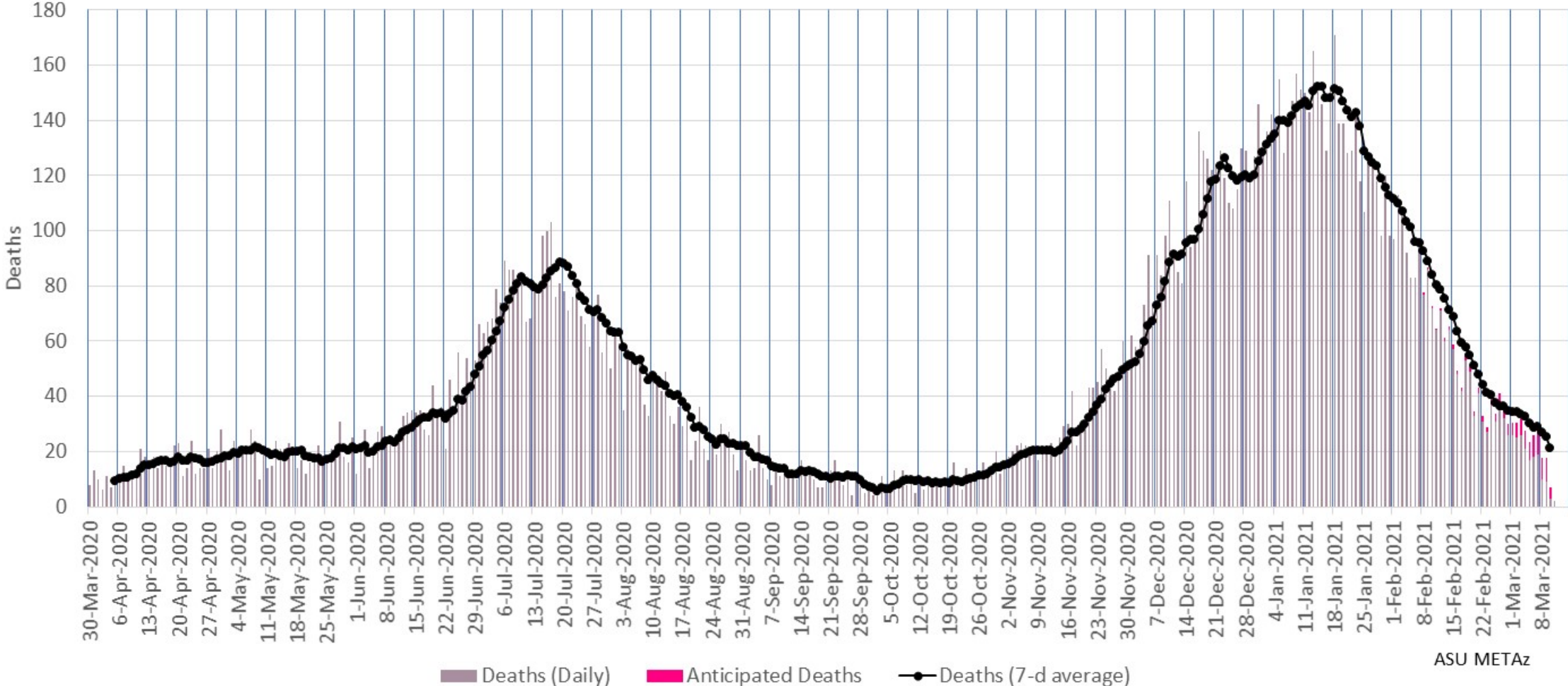
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Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)

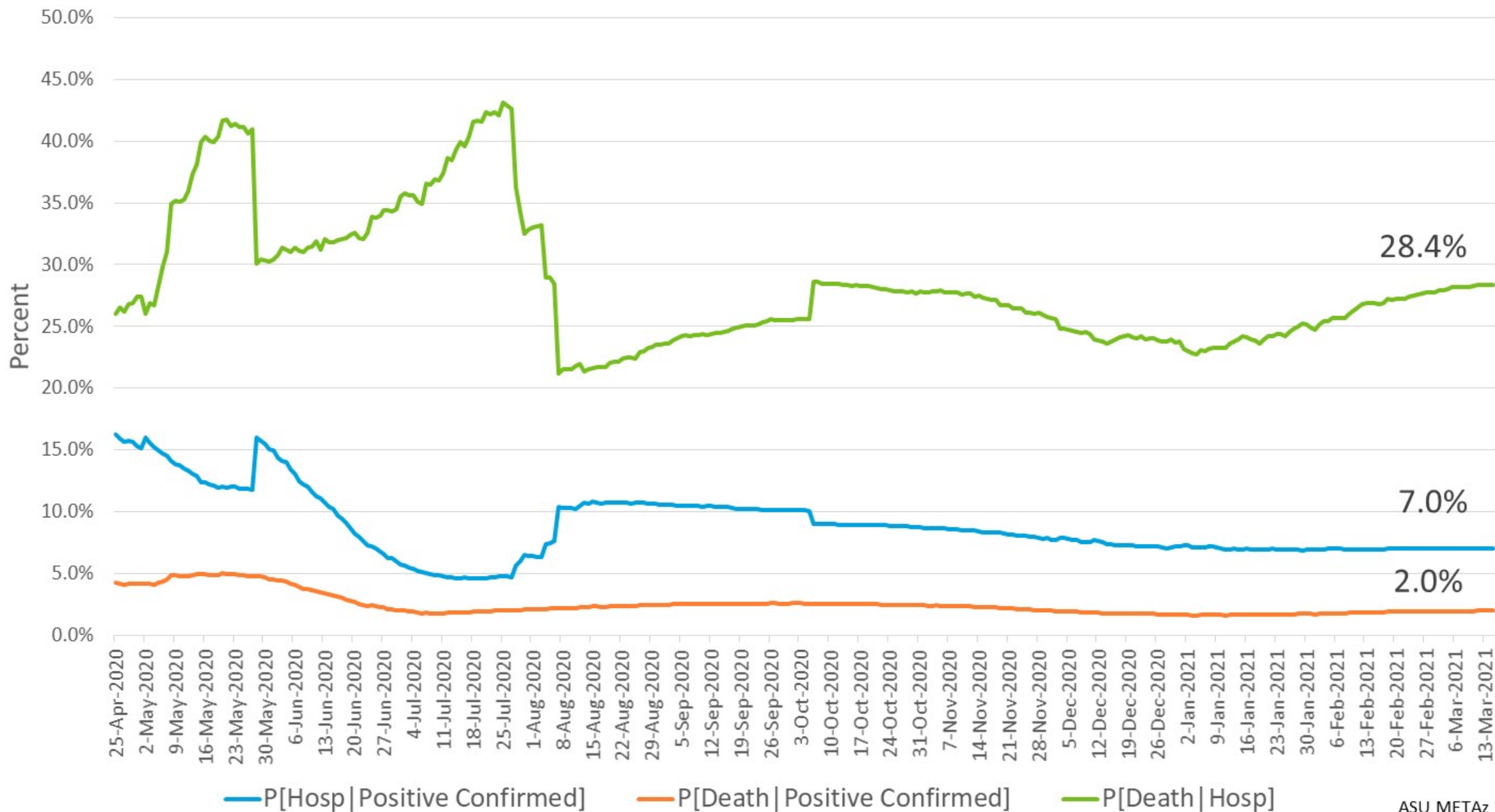


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Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



Arizona Statewide Case Fatality and Hospitalization Rates

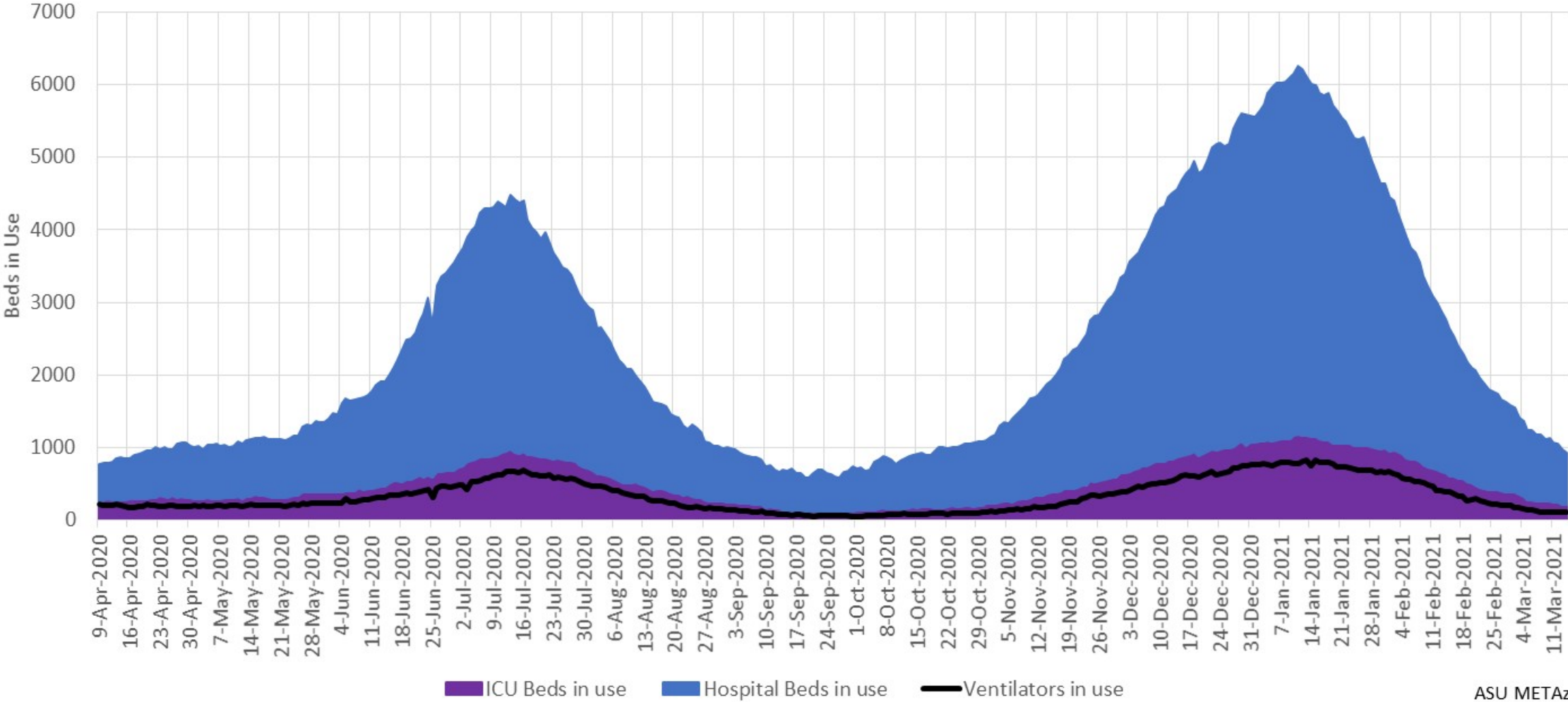


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Hospital Usage

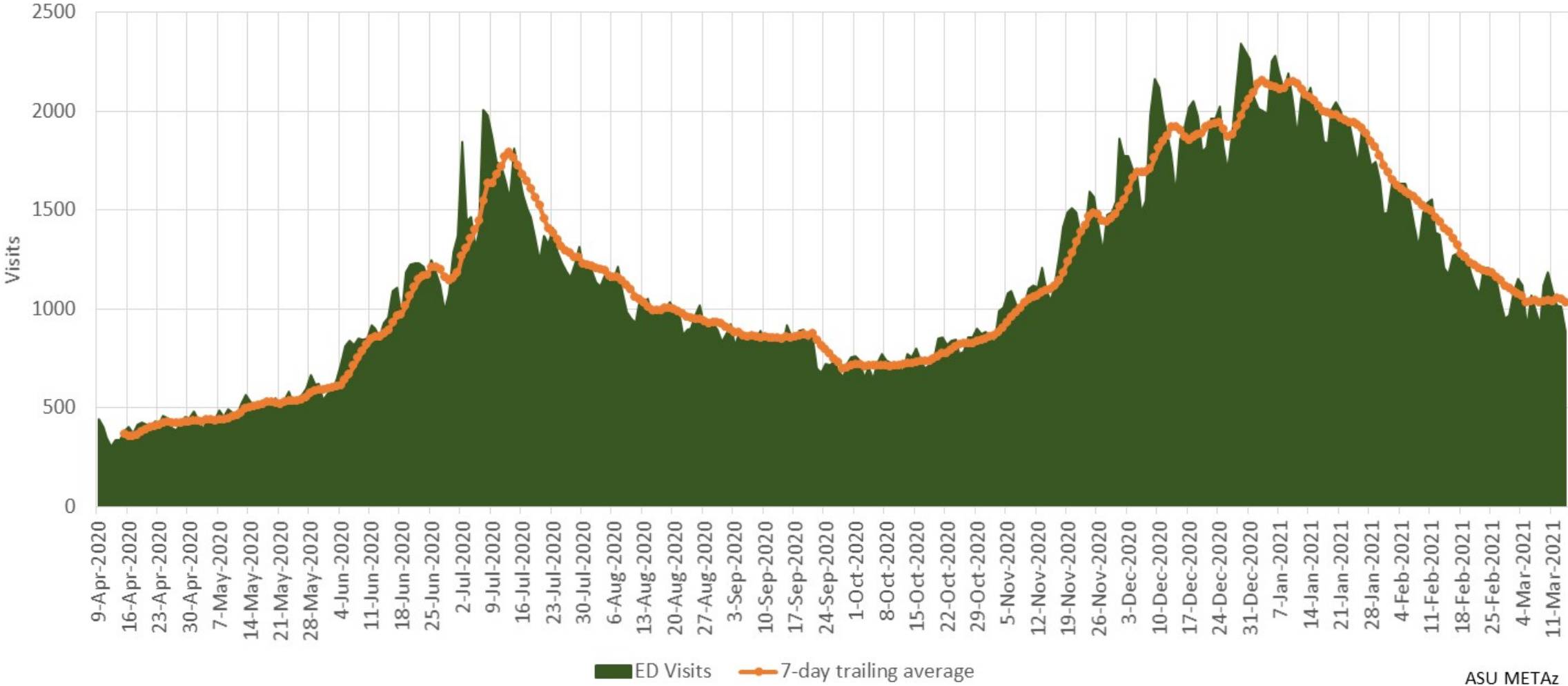


Arizona Statewide COVID-19 Hospital Resource Utilization



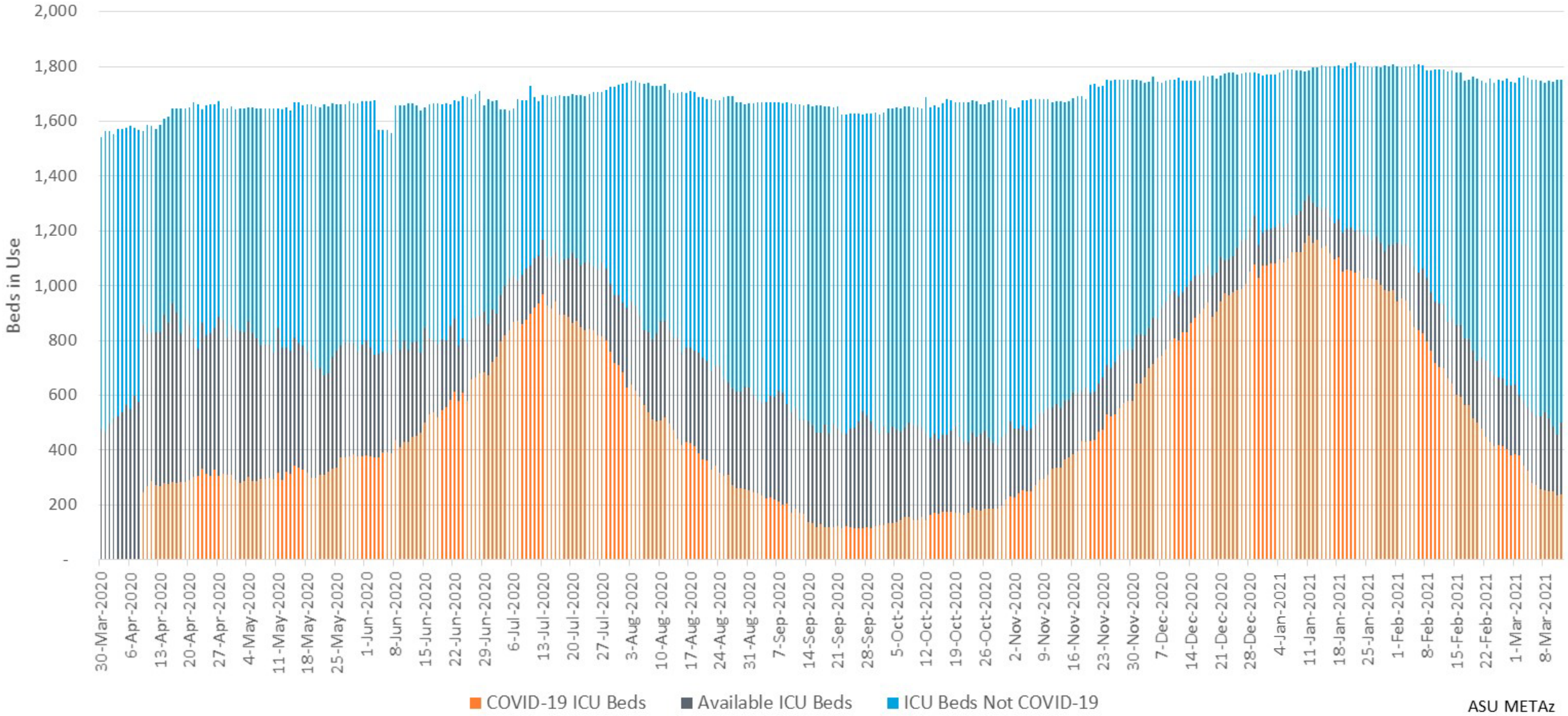
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Arizona Statewide COVID-19 Emergency Department Visits



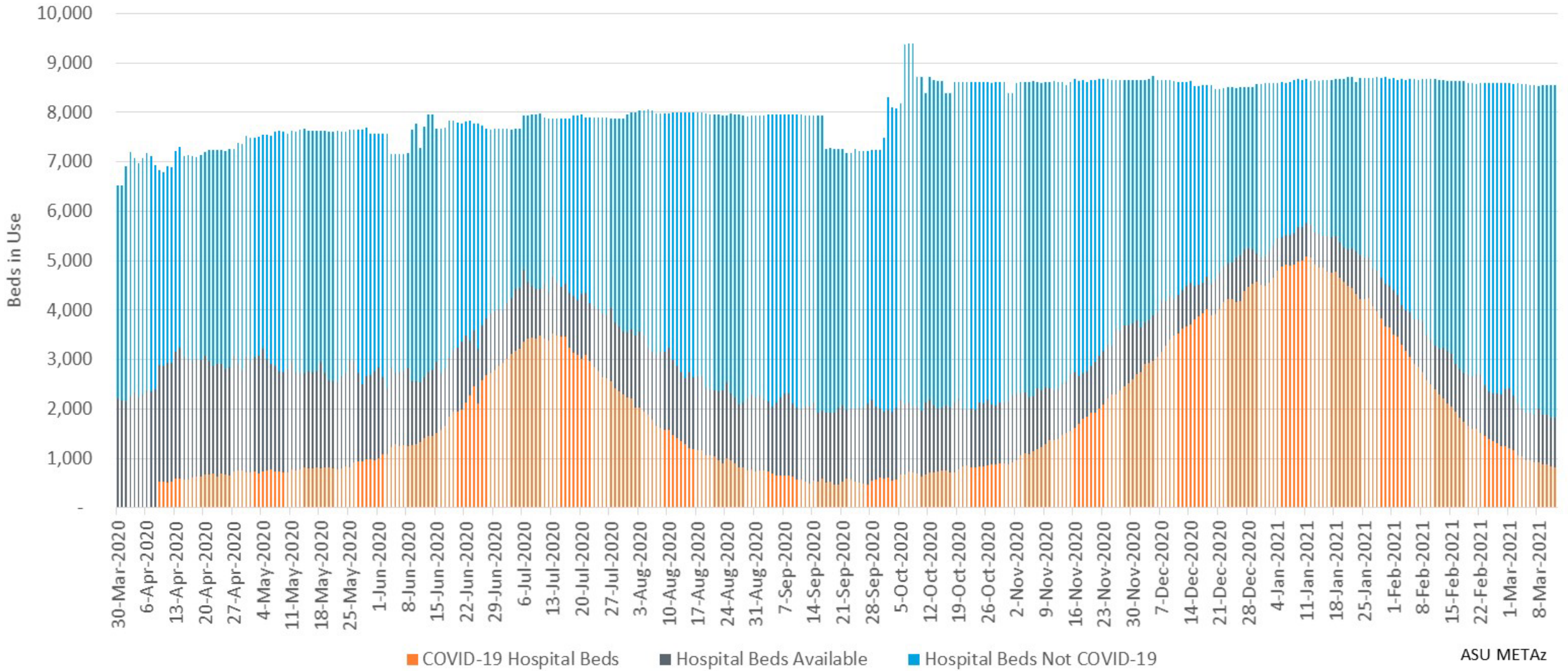
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Arizona Statewide ICU Bed Usage



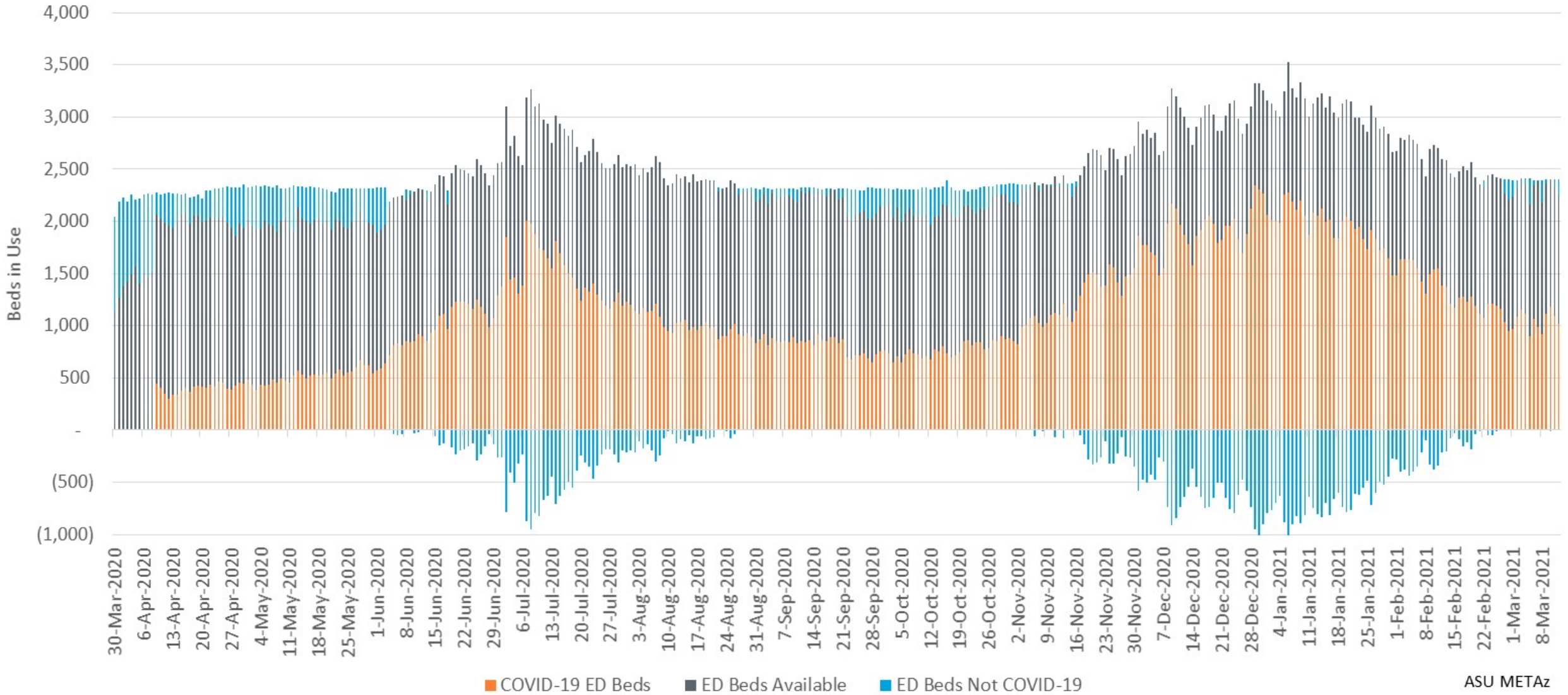
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Arizona Statewide Inpatient Bed Usage



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Arizona Statewide ED Bed Usage



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