



COVID Epidemiology Situation Update

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March 1, 2021

Summary

March 1, 2021				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	1,039	812,907	695	511,055
PCR Tests	6,365	3,728,569	3,629	2,262,658
% Positive	16.3%	21.8%	19.2%	15.0%
Hospitalizations	-10	57,390	-2	35,715
Deaths	-1	15,814	-1	9,116

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

- Today's statewide case count is 1,039 with 695 cases (67%) in Maricopa County, higher than population distribution. The 7-day average for reported cases has fallen to 1,192, similar to mid-October at the beginning of the most recent surge.
- After a week of the epi curve having plateaued in Maricopa County and statewide, the epi curve appears to be declining slowly for the past few days. Peak cases by incident date remains 1/4.
- 7-day average positivity continues to trend downward and has now dropped below 15% for a few days.
- Hospital utilization continues to decline slowly. ICU usage is similar to levels in mid-November and non-ICU bed usage is now at levels similar to the first week of November.
- Bed usage for COVID-19 is 14% of inpatient beds and 22% of ICU beds statewide. Current hospital utilization is 87% for inpatient beds and 86% for ICU beds including COVID and non-COVID utilization.
- Despite declining hospital utilization, hospital death rates continue to increase with stable hospitalization rates for COVID cases, indicating the higher acuity of patients admitted to the hospital compared to earlier in the pandemic.
- COVID-19 remains the leading cause of death in Arizona in a 12-month period. Death numbers are generally not updated on Mondays due to health department staff work schedules.

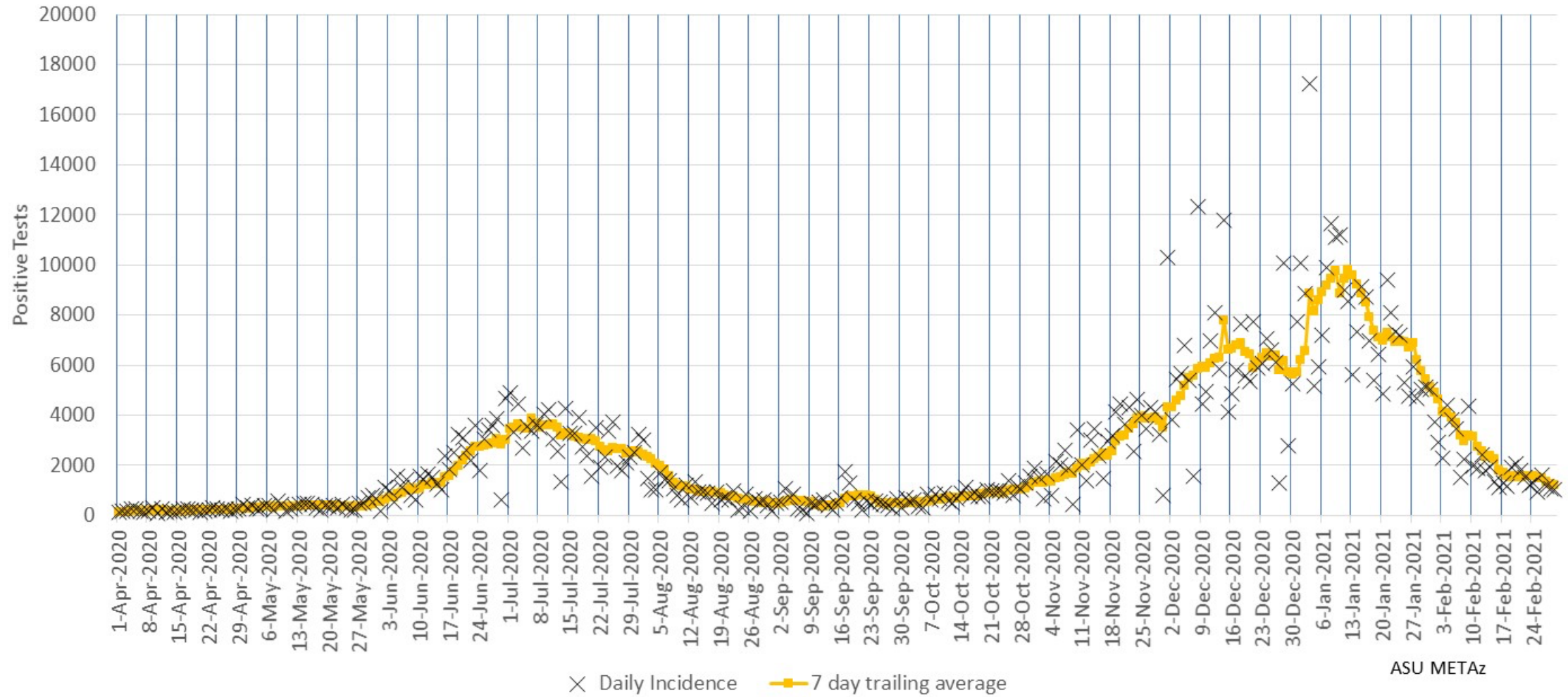
Arizona Statewide Analysis



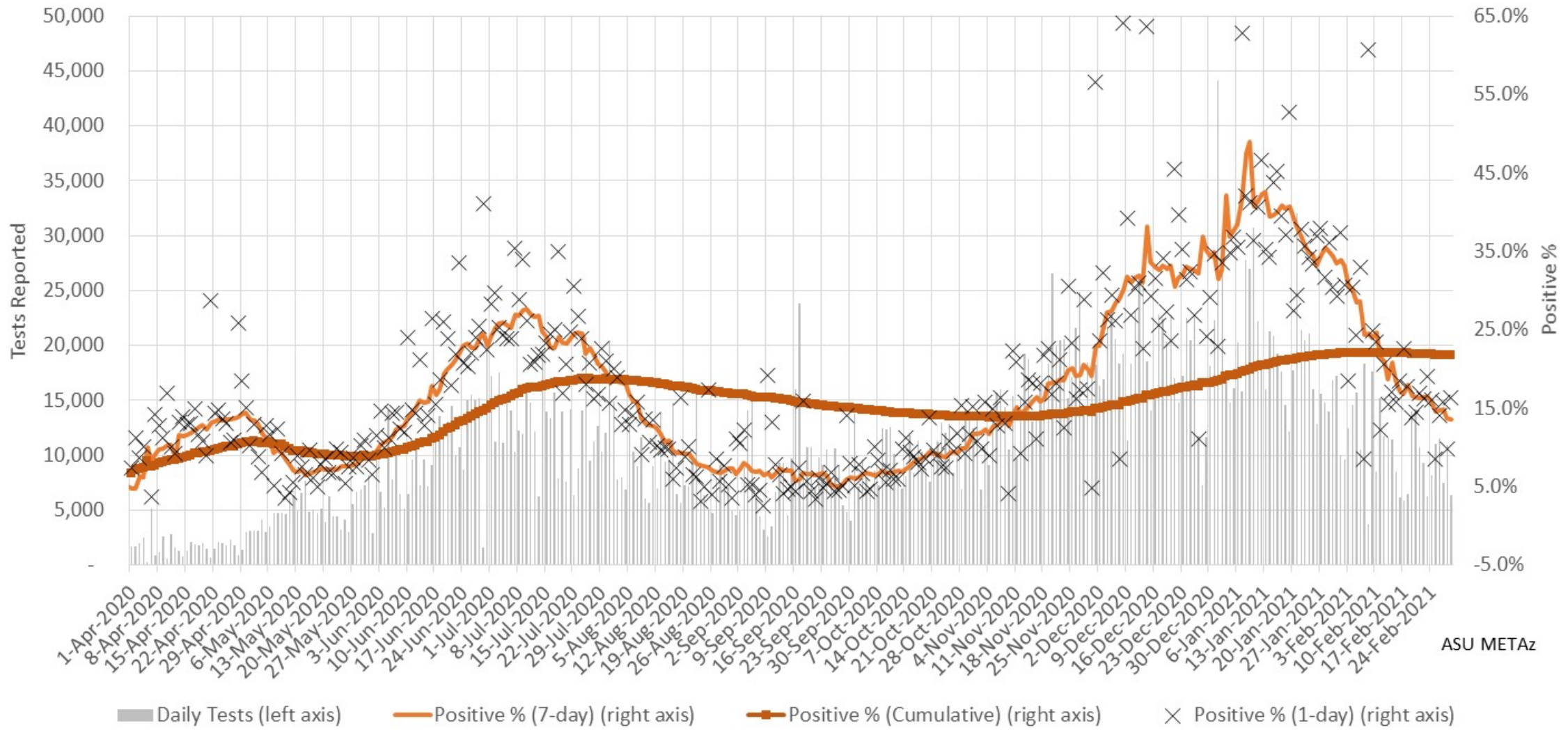
Epidemiology



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

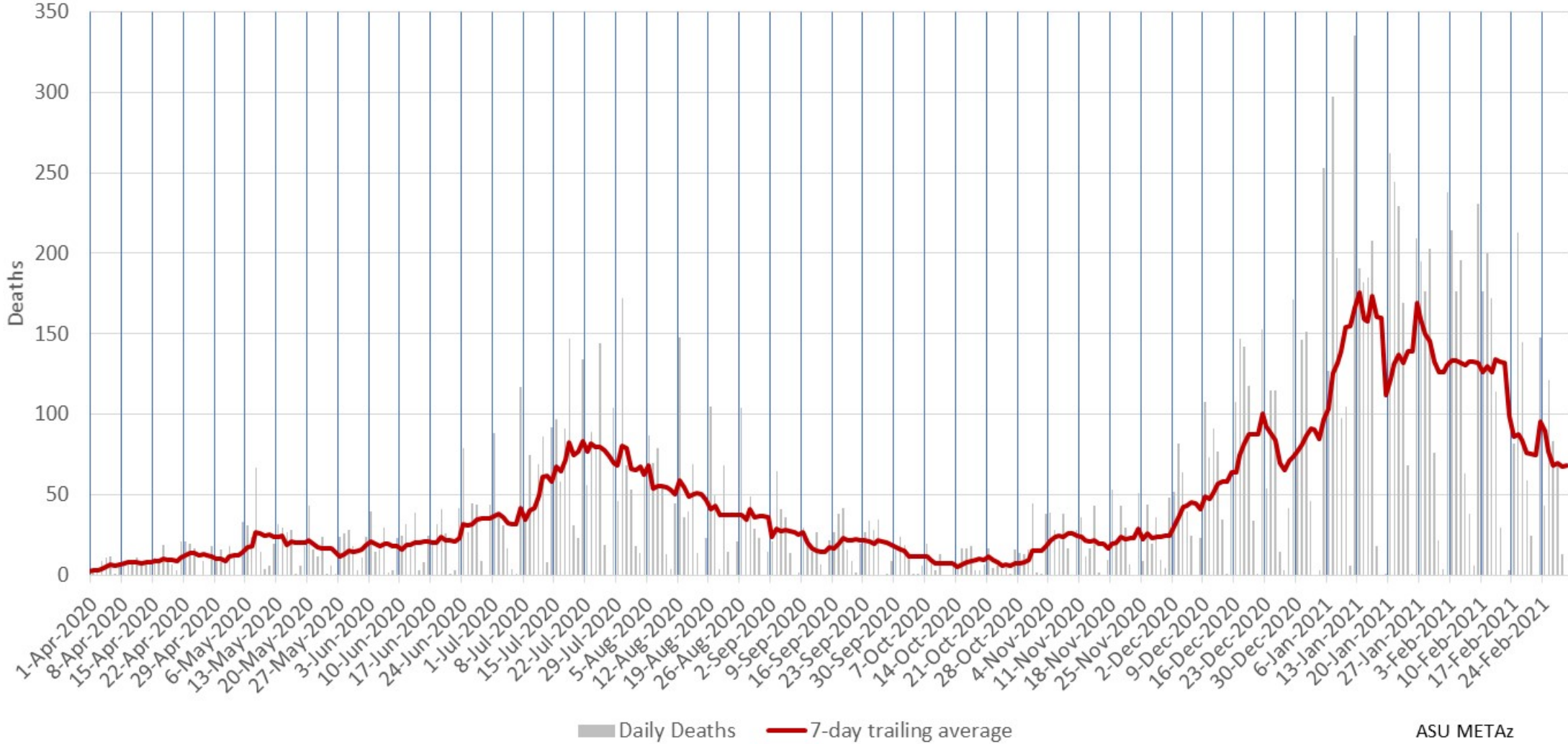


Arizona Statewide Rolling weekly positive COVID-19 test rate

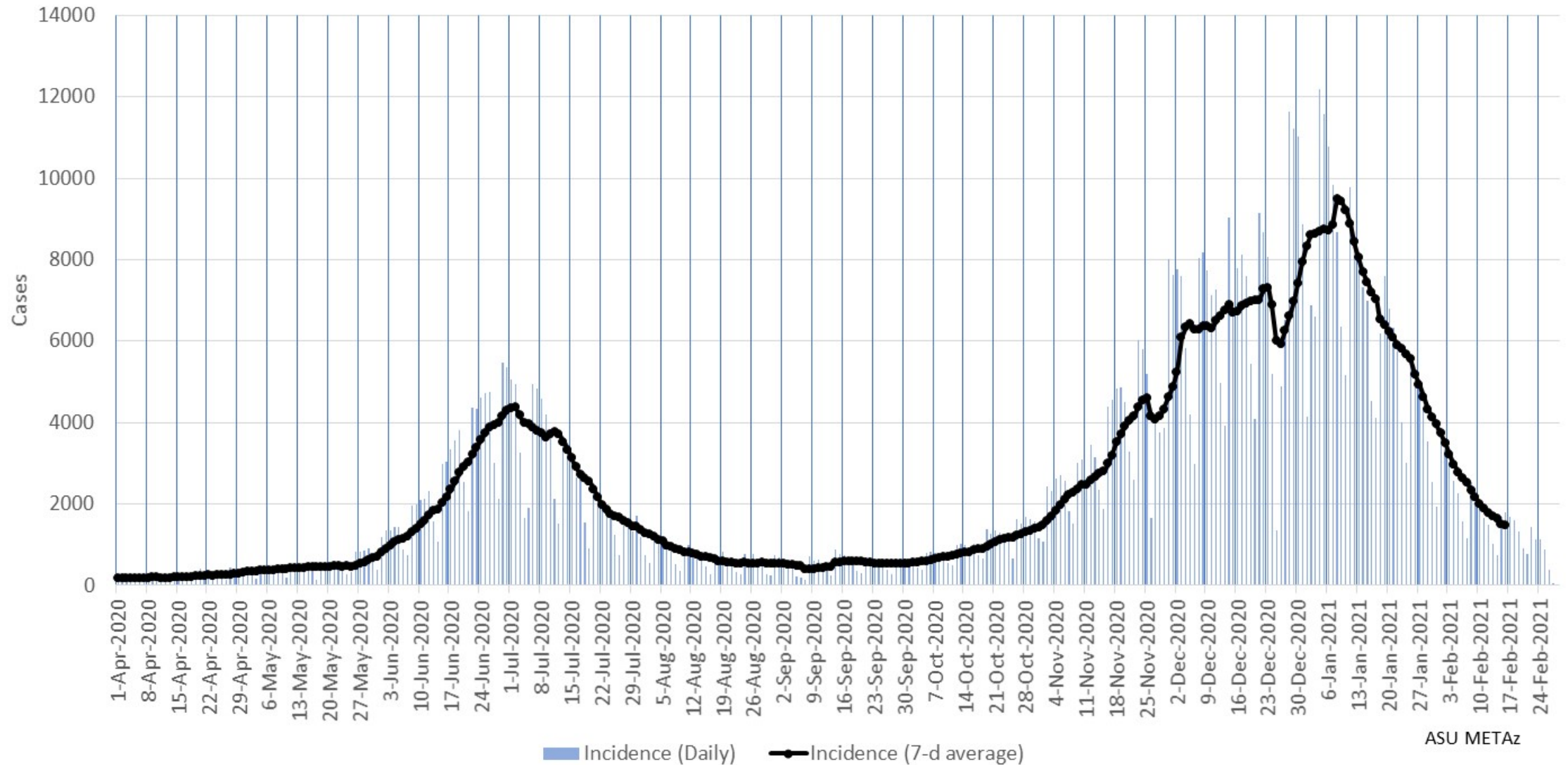


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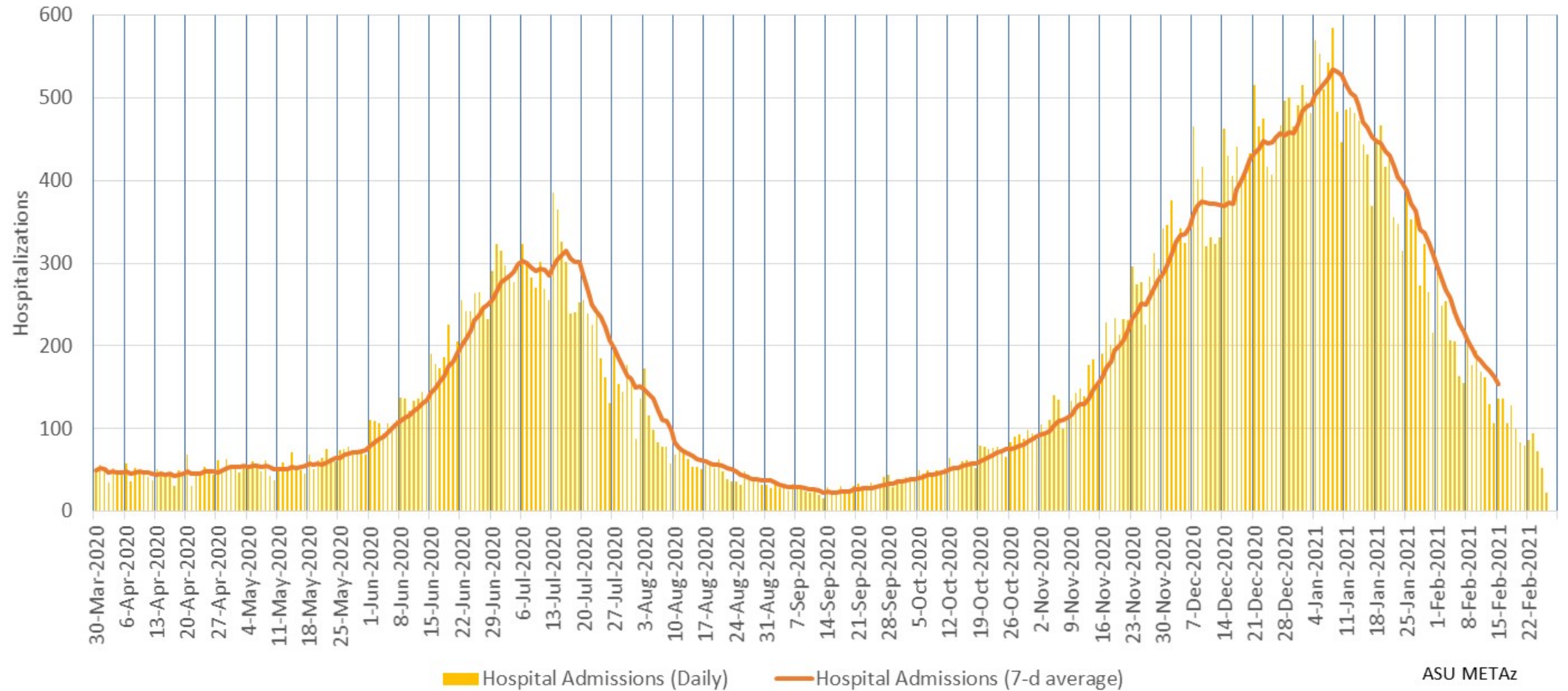
Arizona Statewide Daily COVID-19 Deaths (by date of reporting)



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

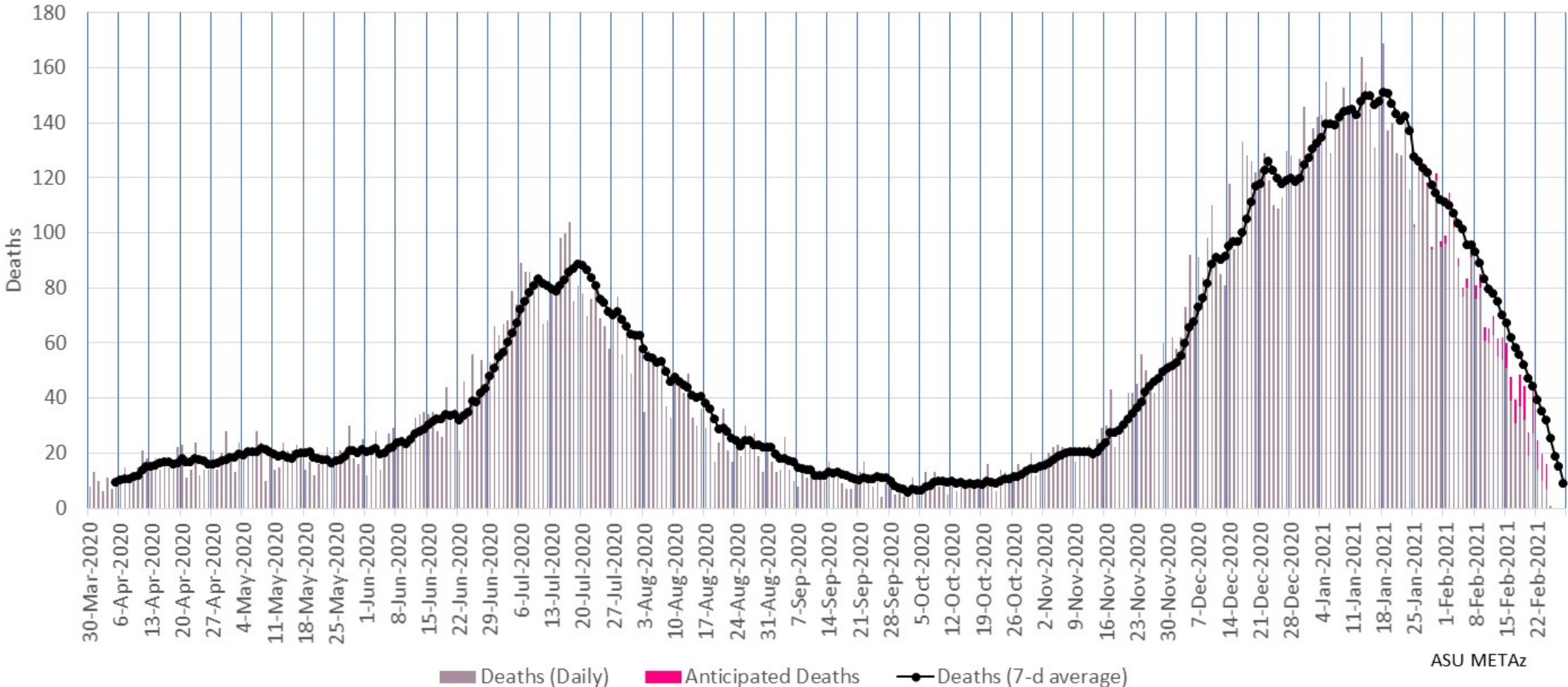


Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)



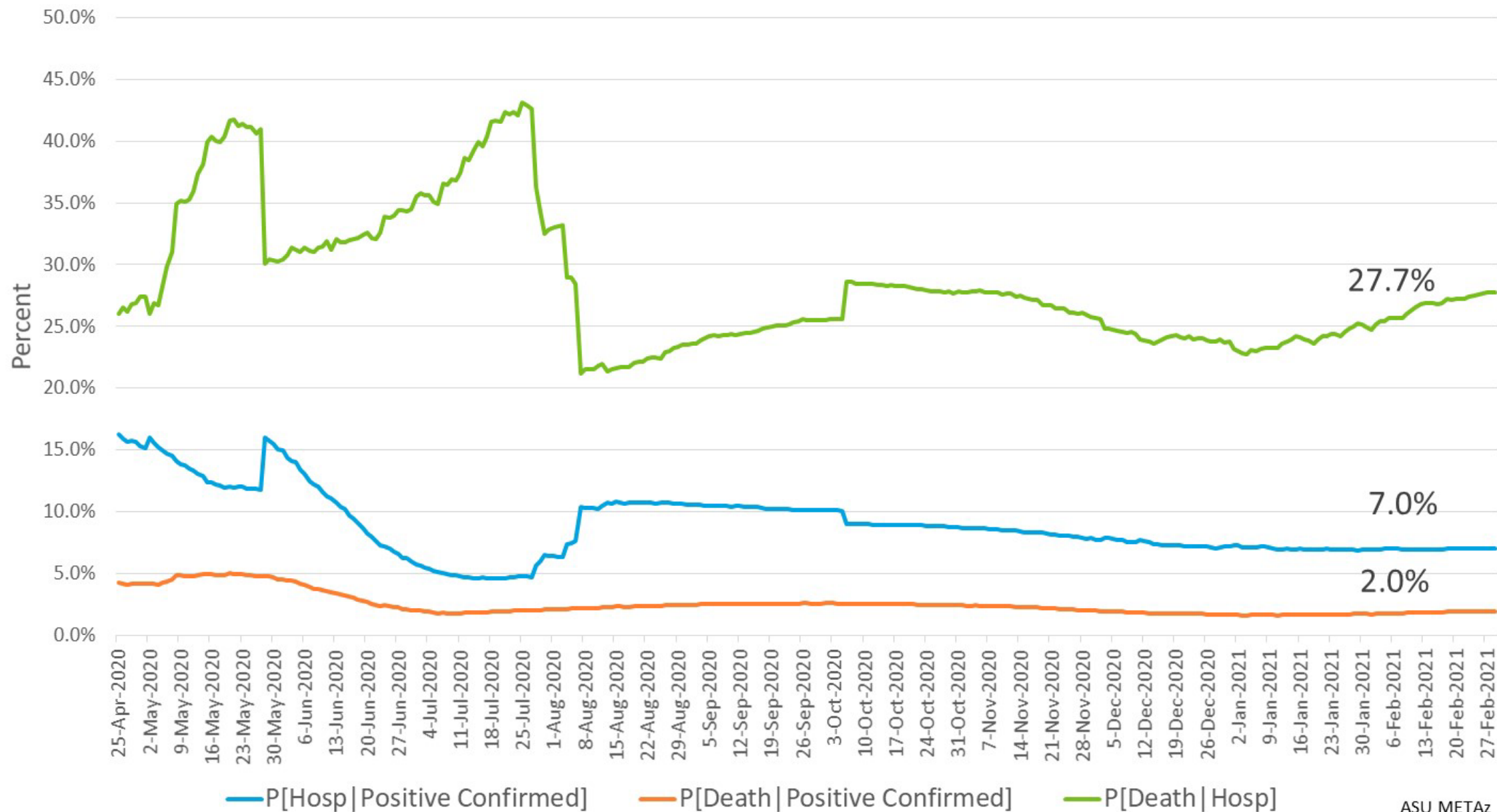
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Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



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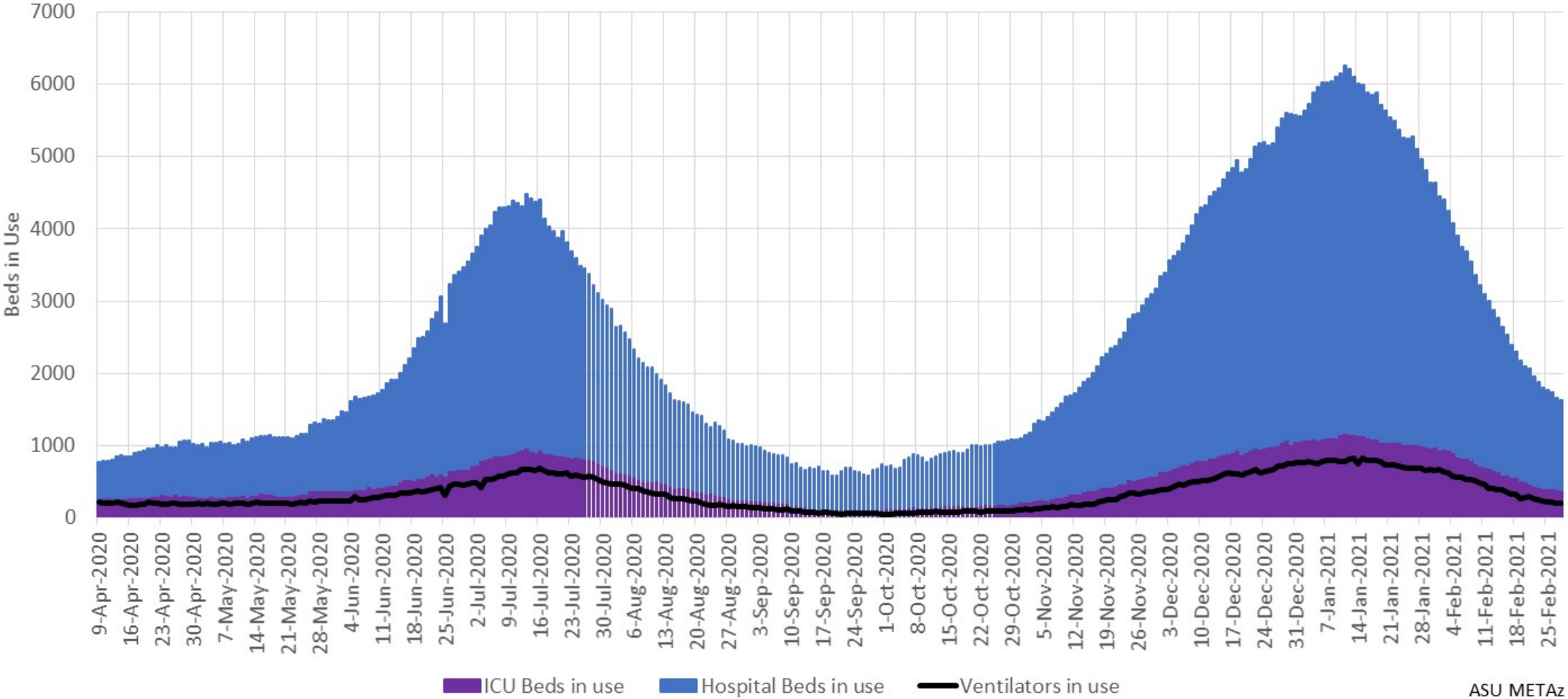
Arizona Statewide Case Fatality and Hospitalization Rates



Hospital Usage

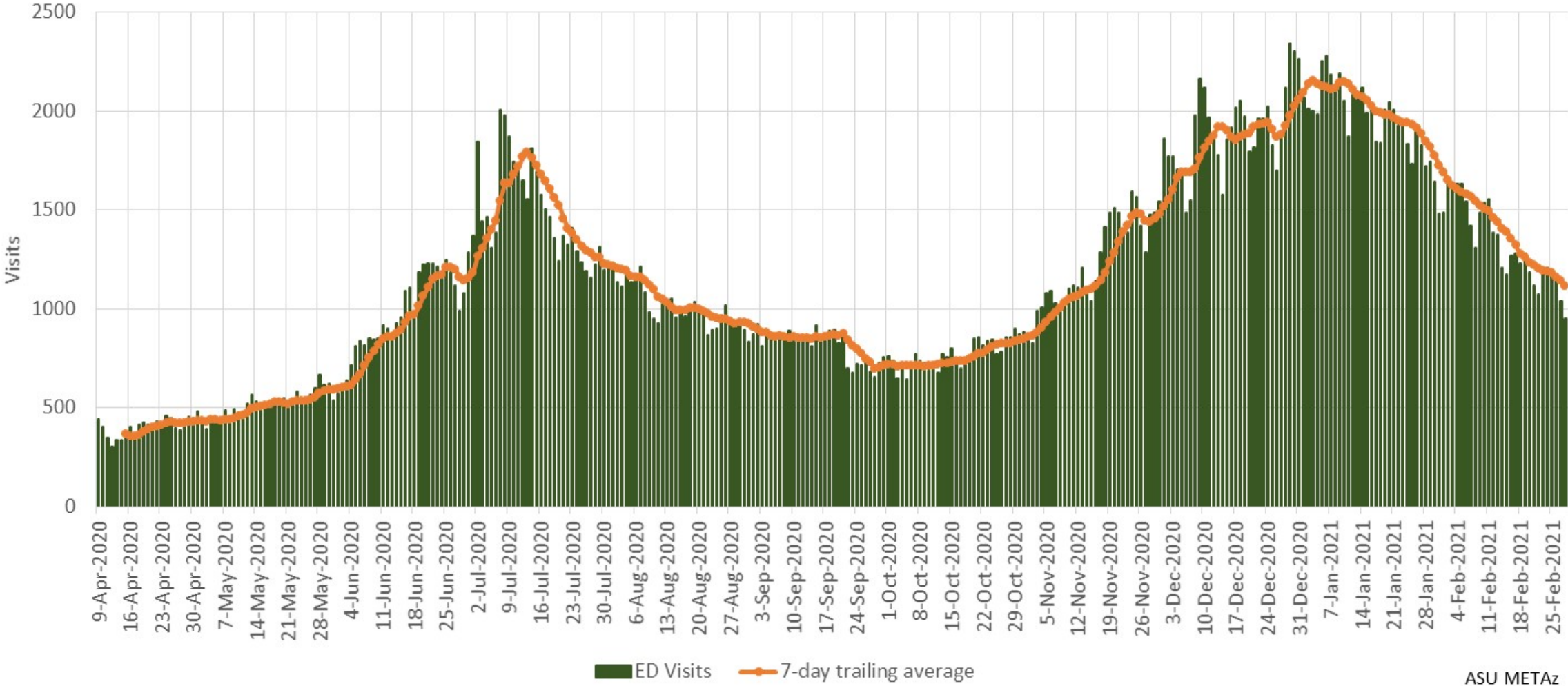


Arizona Statewide COVID-19 Hospital Resource Utilization



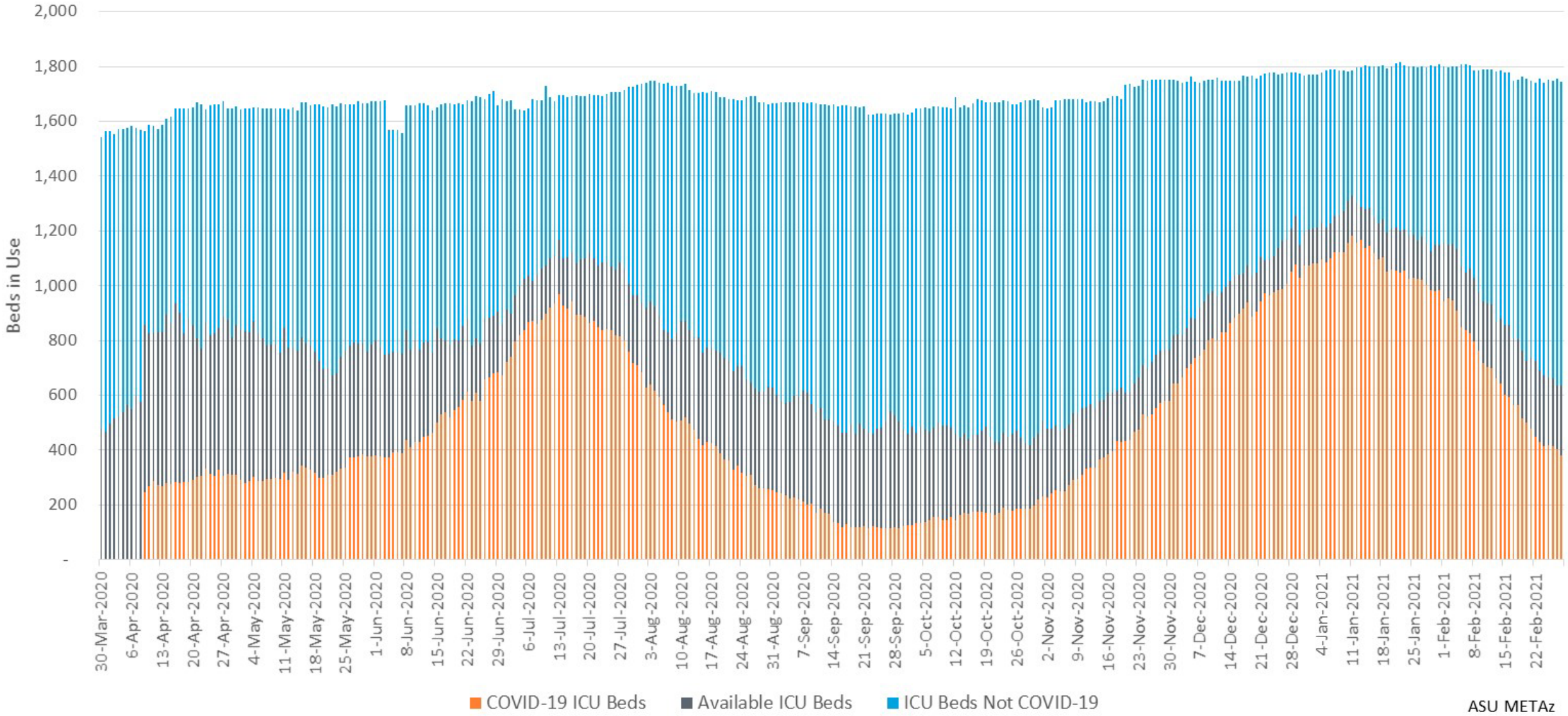
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Arizona Statewide COVID-19 Emergency Department Visits



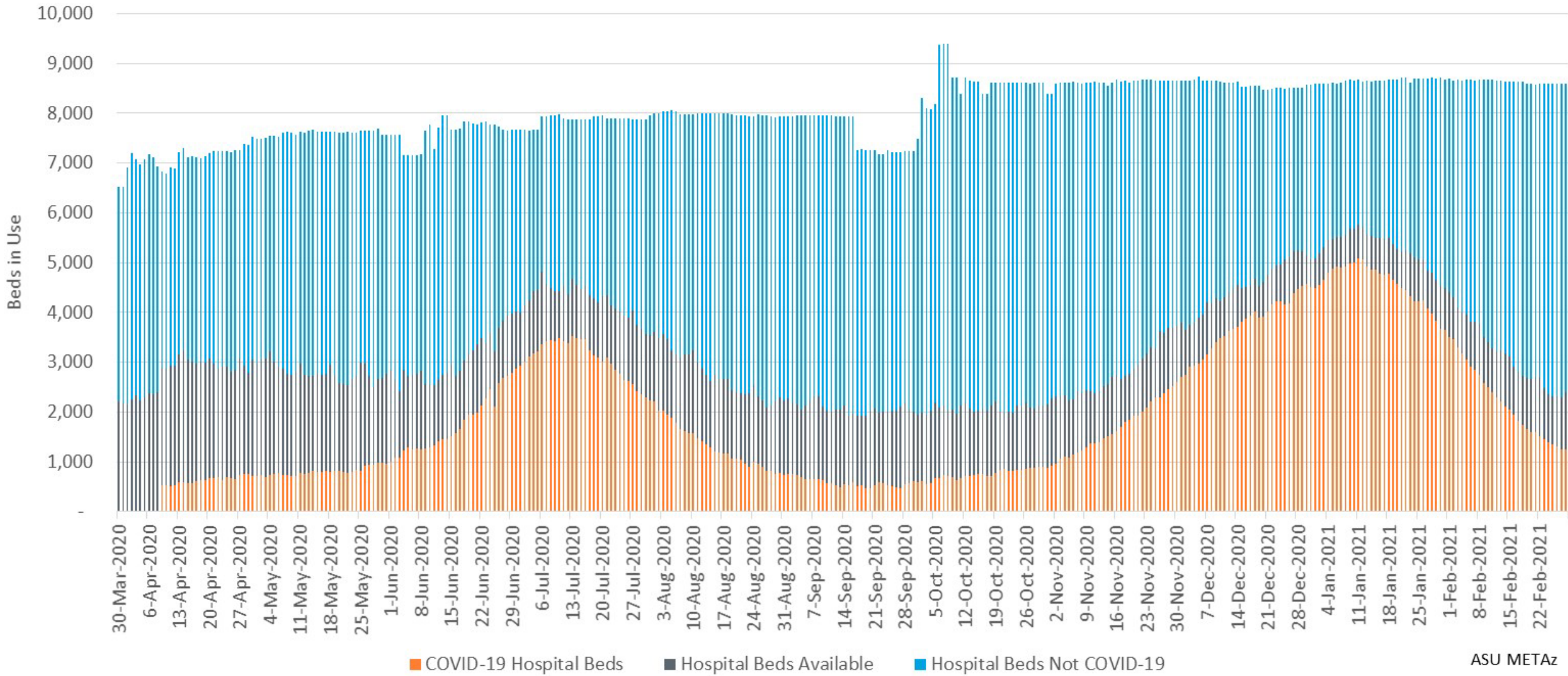
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Arizona Statewide ICU Bed Usage



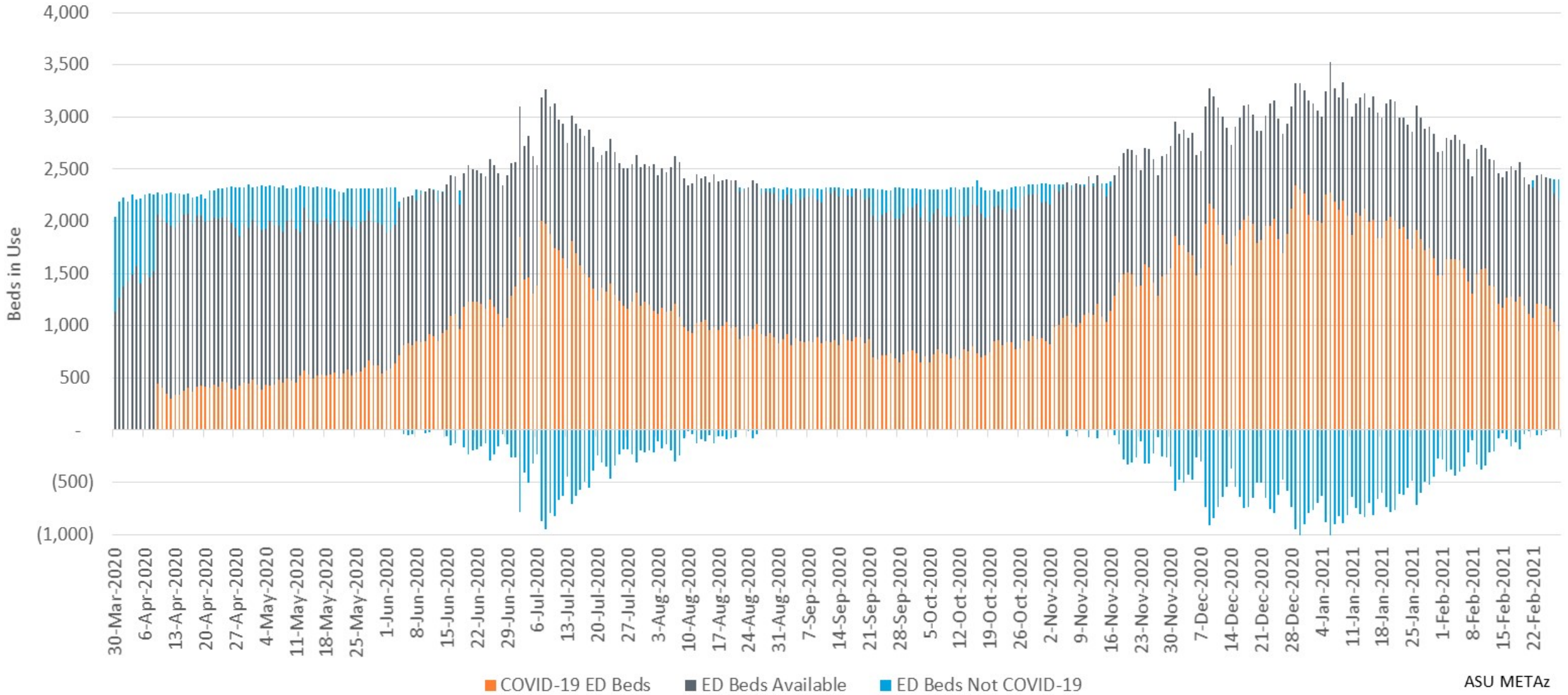
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Arizona Statewide Inpatient Bed Usage



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Arizona Statewide ED Bed Usage



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