



COVID Epidemiology Situation Update

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March 4, 2021

Summary

March 4, 2021				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	1,154	821,108	749	513,035
PCR Tests	10,375	3,797,616	6,380	2,281,868
% Positive	11.1%	21.6%	11.7%	14.9%
Hospitalizations	50	57,747	35	35,811
Deaths	96	16,185	51	9,223

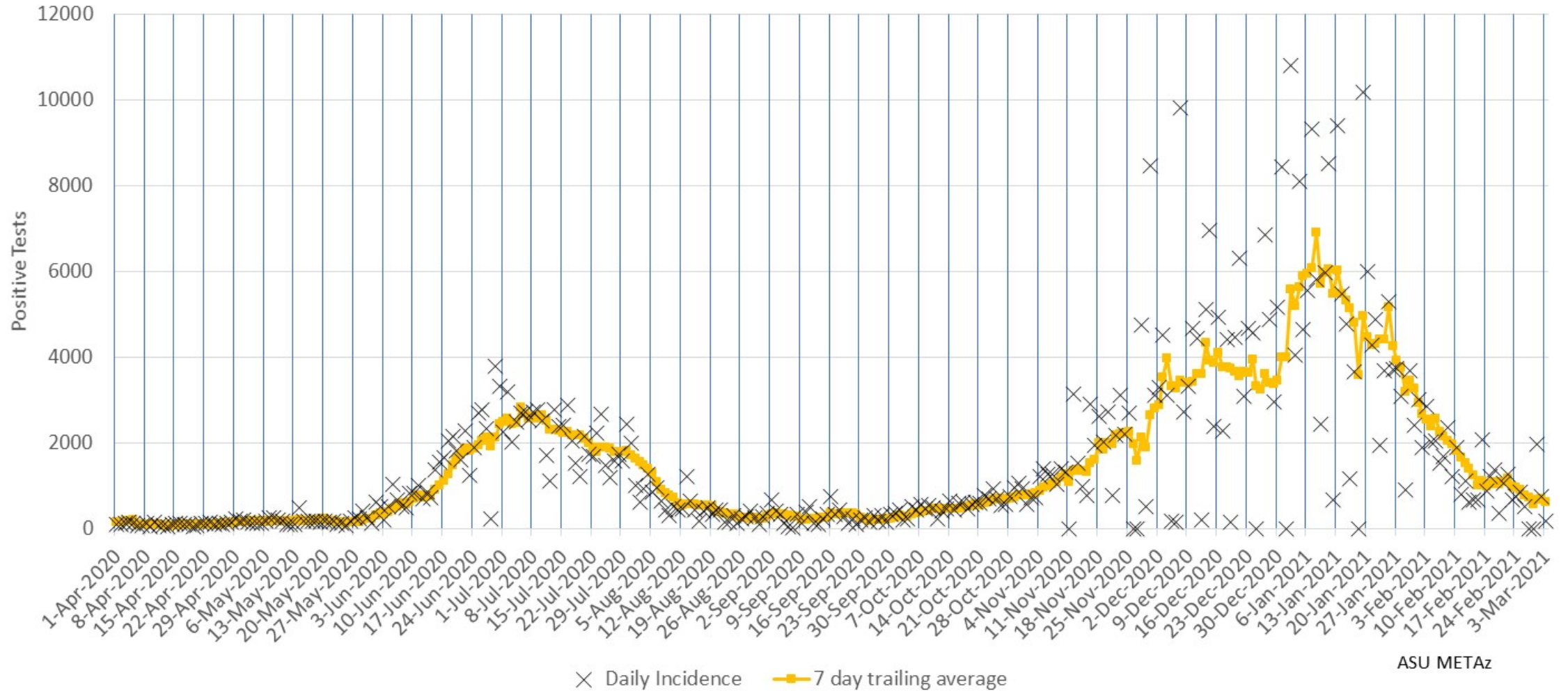
All data pulled from azdhs.gov. Numbers may not match Maricopa county data.

- Today's statewide case count is 1,154 with 749 cases (65%) in Maricopa County, slightly higher than population distribution. The 7-day average for reported cases has fallen to 1,171, similar to late October at the beginning of the most recent surge.
- The epi curve appears to remain plateaued in Maricopa County and statewide for the past several days. Peak cases by incident date remains 1/4.
- 7-day average positivity continues to trend downward and has now dropped below 15%.
- Hospital utilization continues to decline slowly and is now at levels similar to early November.
- Bed usage for COVID-19 is 12% of inpatient beds and 19% of ICU beds statewide. Current hospital utilization is 88% for inpatient beds and 83% for ICU beds including COVID and non-COVID utilization.
- Hospital death rates continue to increase with continued 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.

Maricopa County Analysis



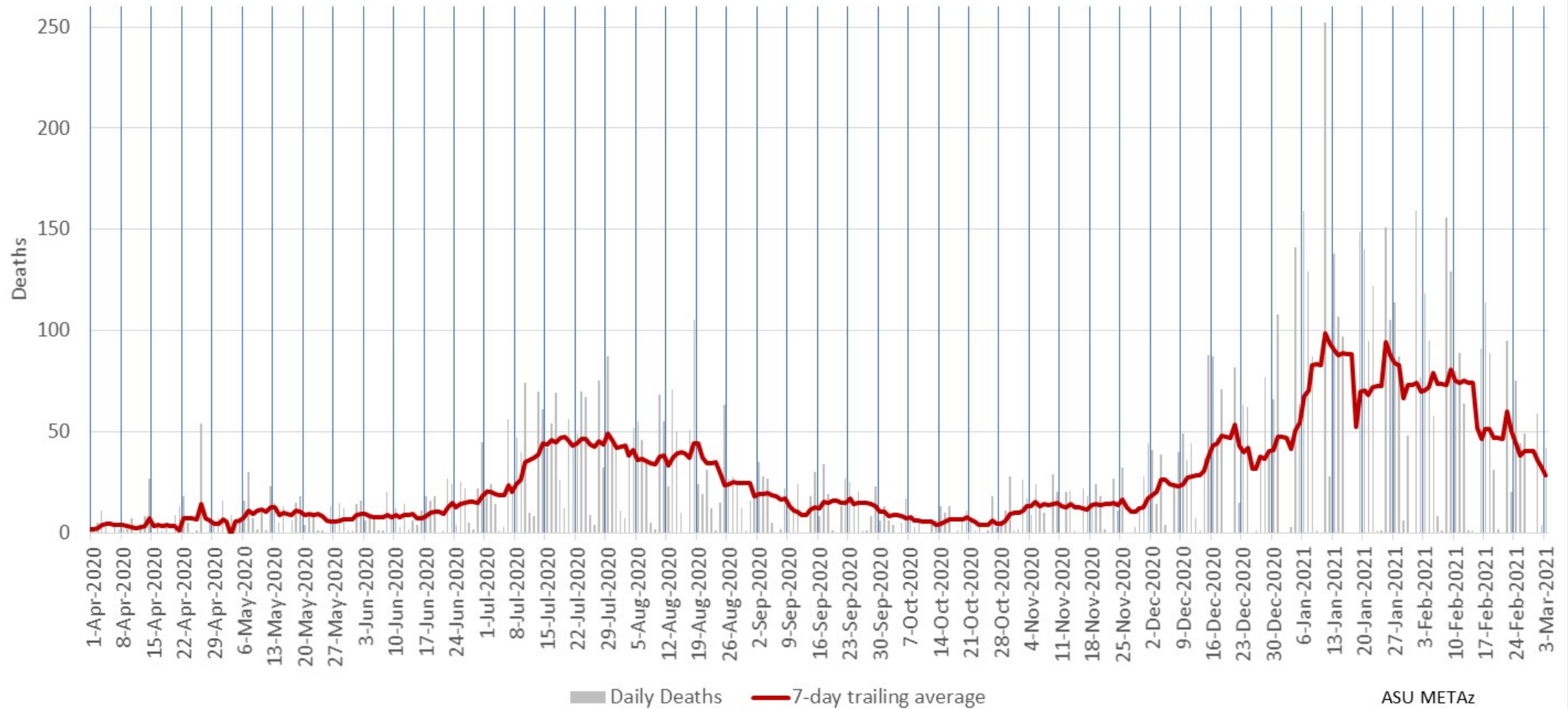
Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



ASU METAz

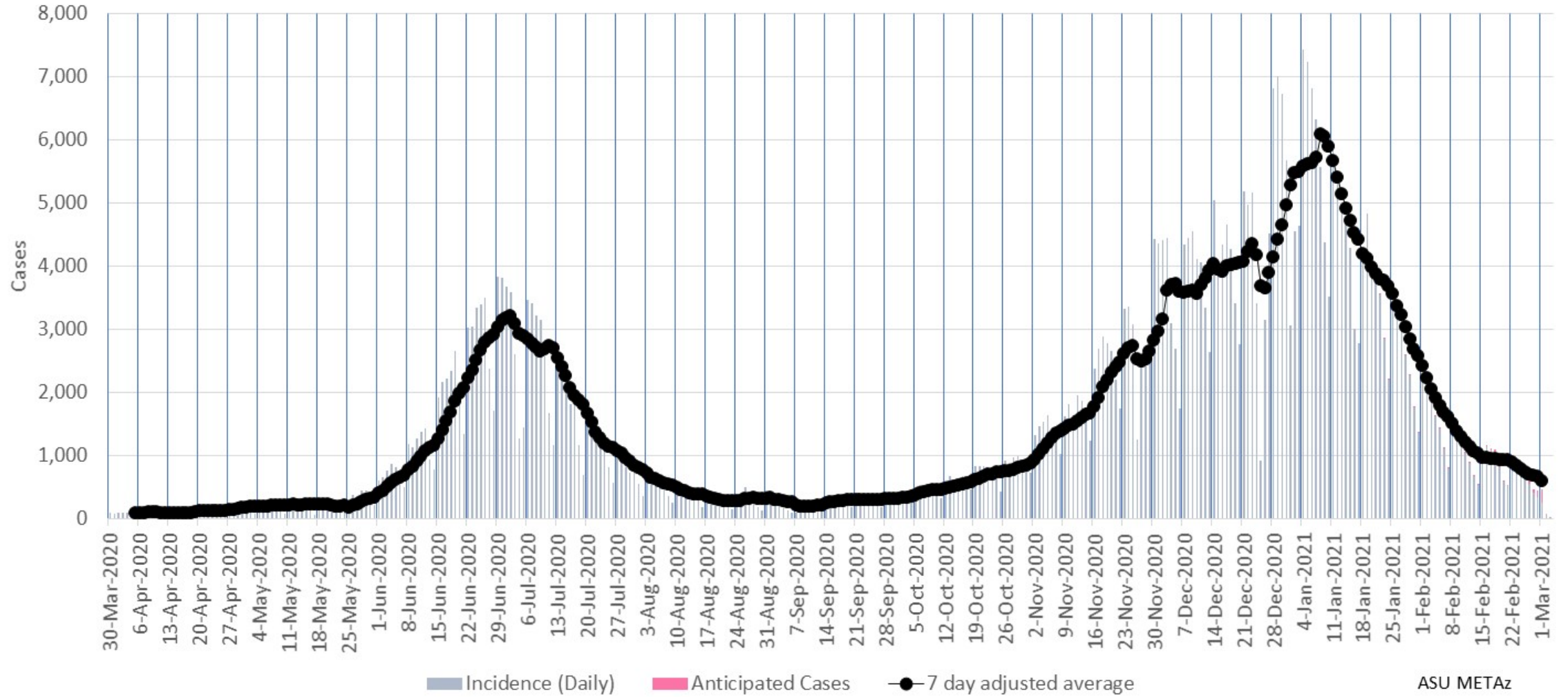
Due to the holidays, multiple days of data were held (Nov 11, 26 & 27; December 25, January 1 & 18) and reported on the next business day.

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

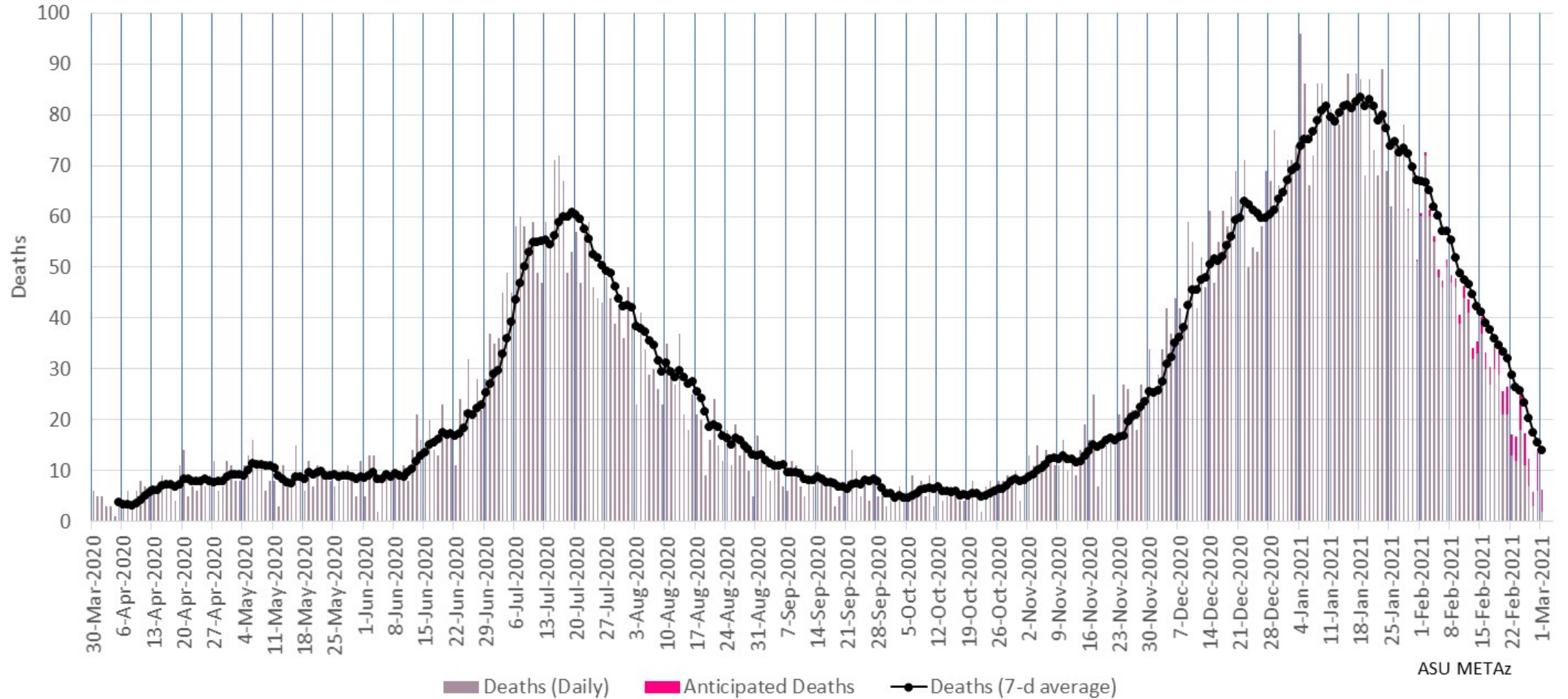


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Maricopa County Daily COVID-19 Cases by Date of Sample Collection
(Epi Curve)



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



ASU METAz

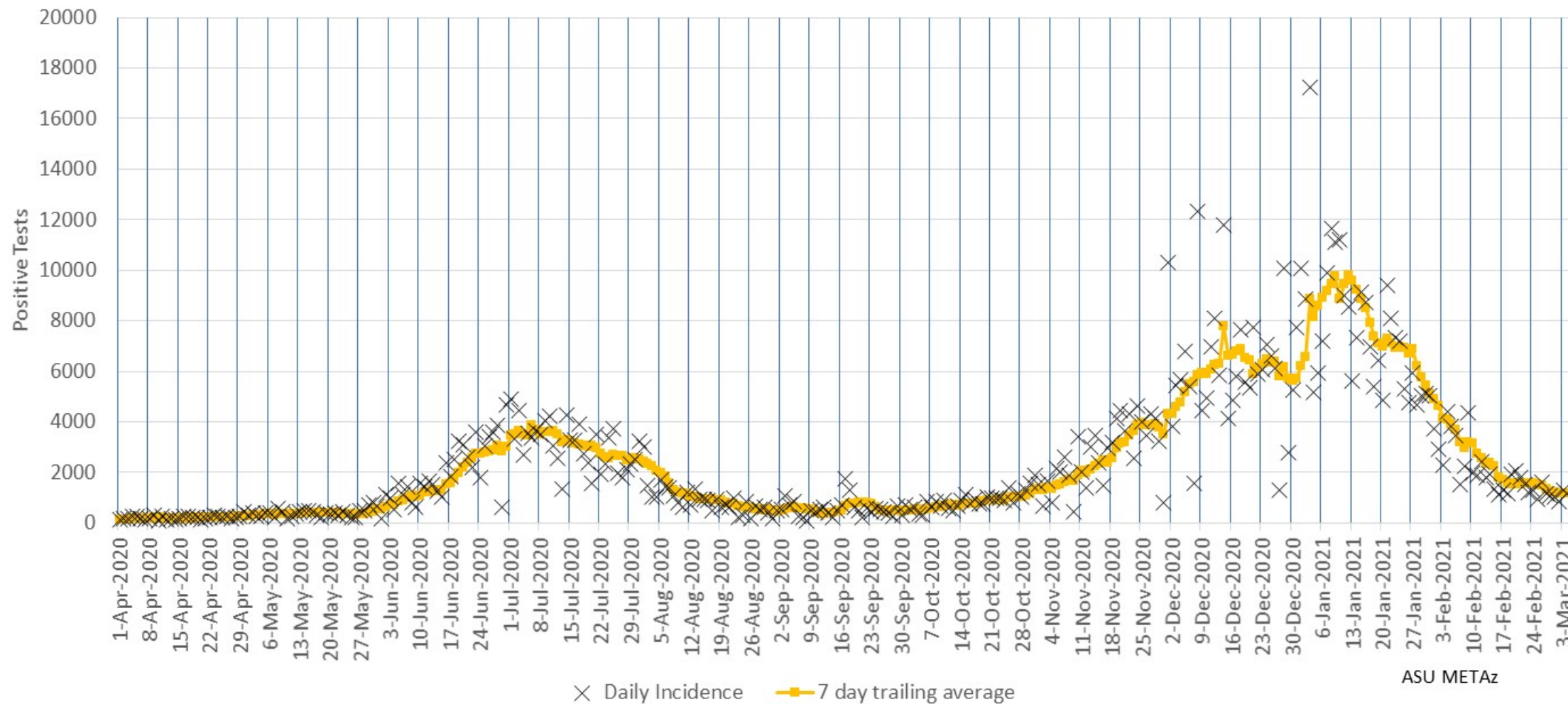
Arizona Statewide Analysis



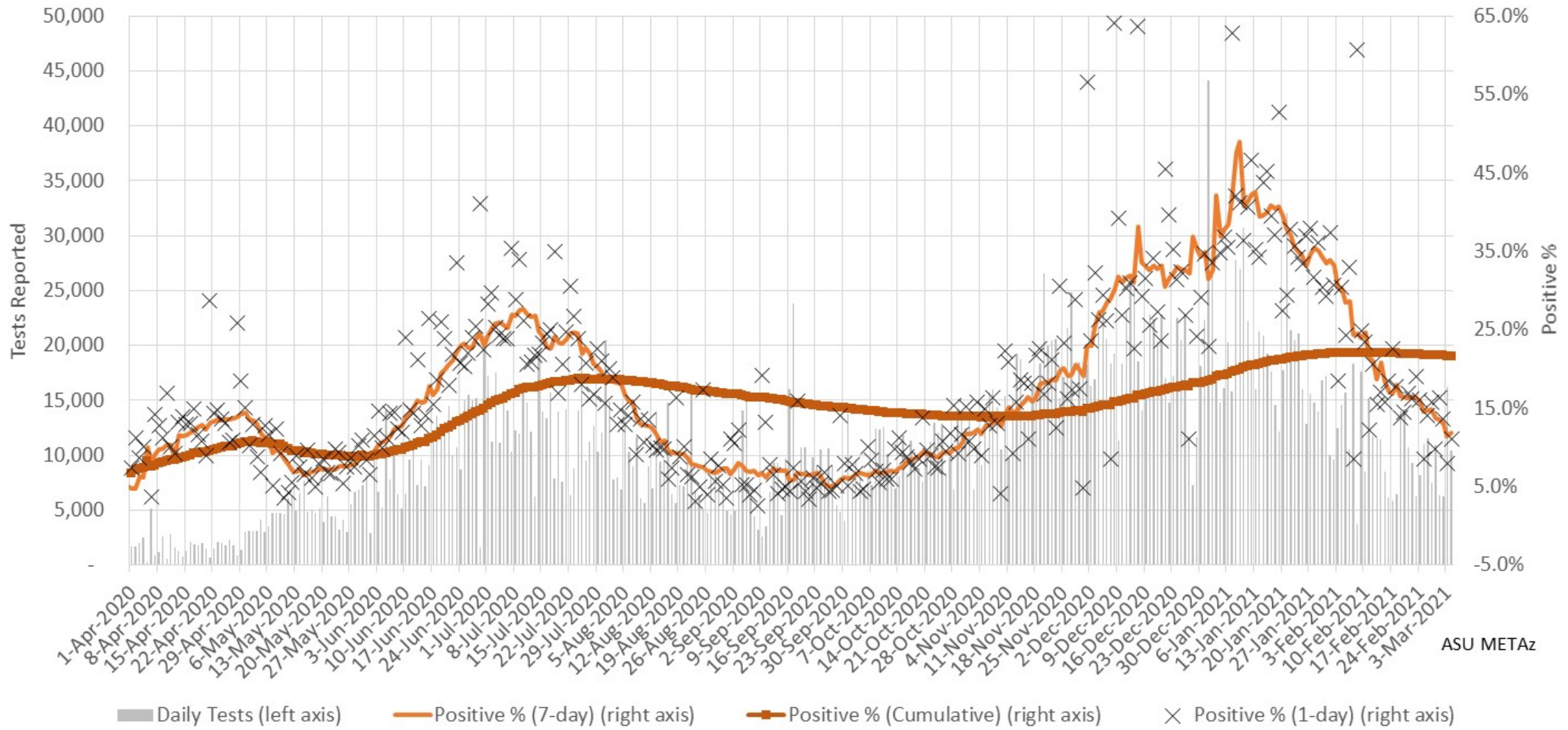
Epidemiology



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

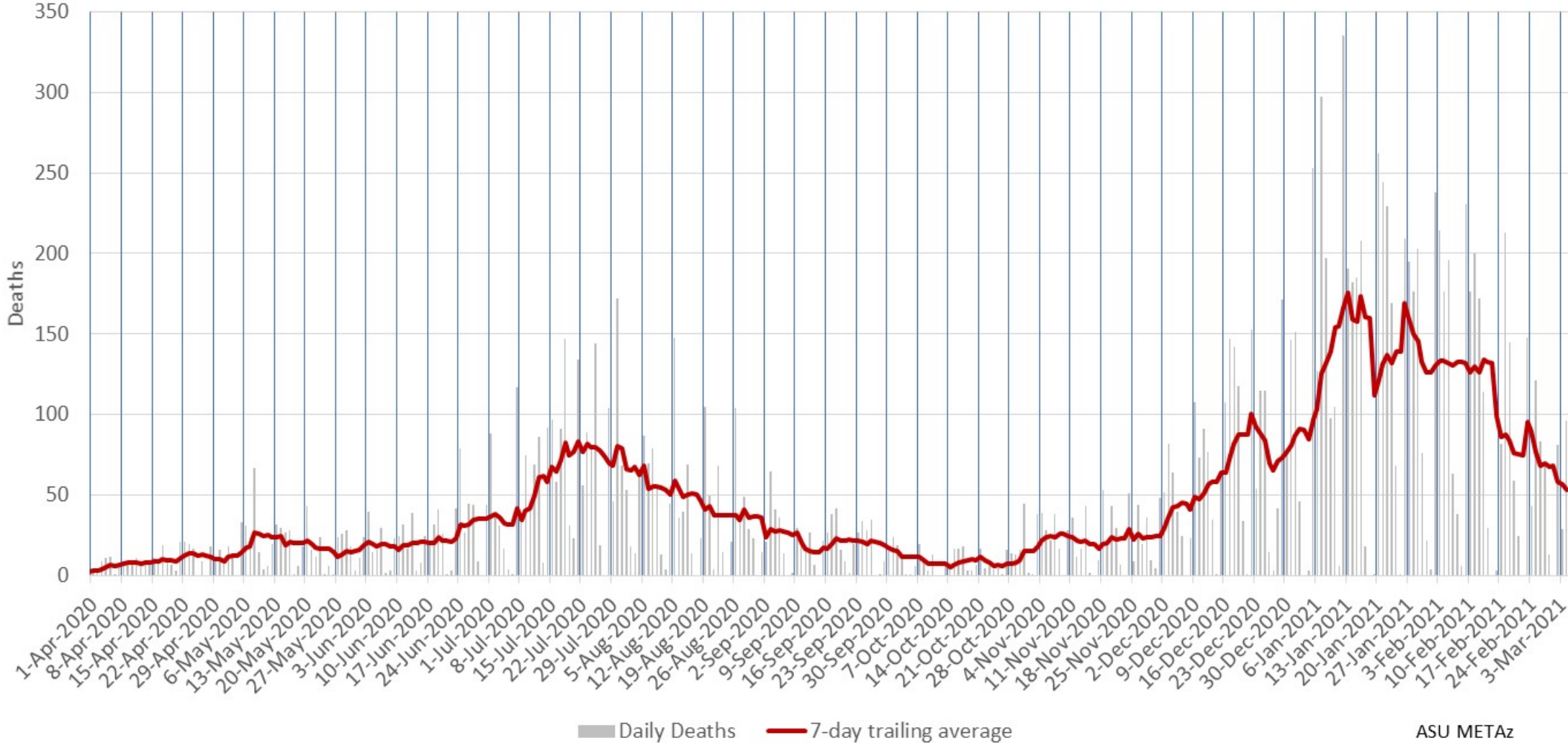


Arizona Statewide Rolling weekly positive COVID-19 test rate

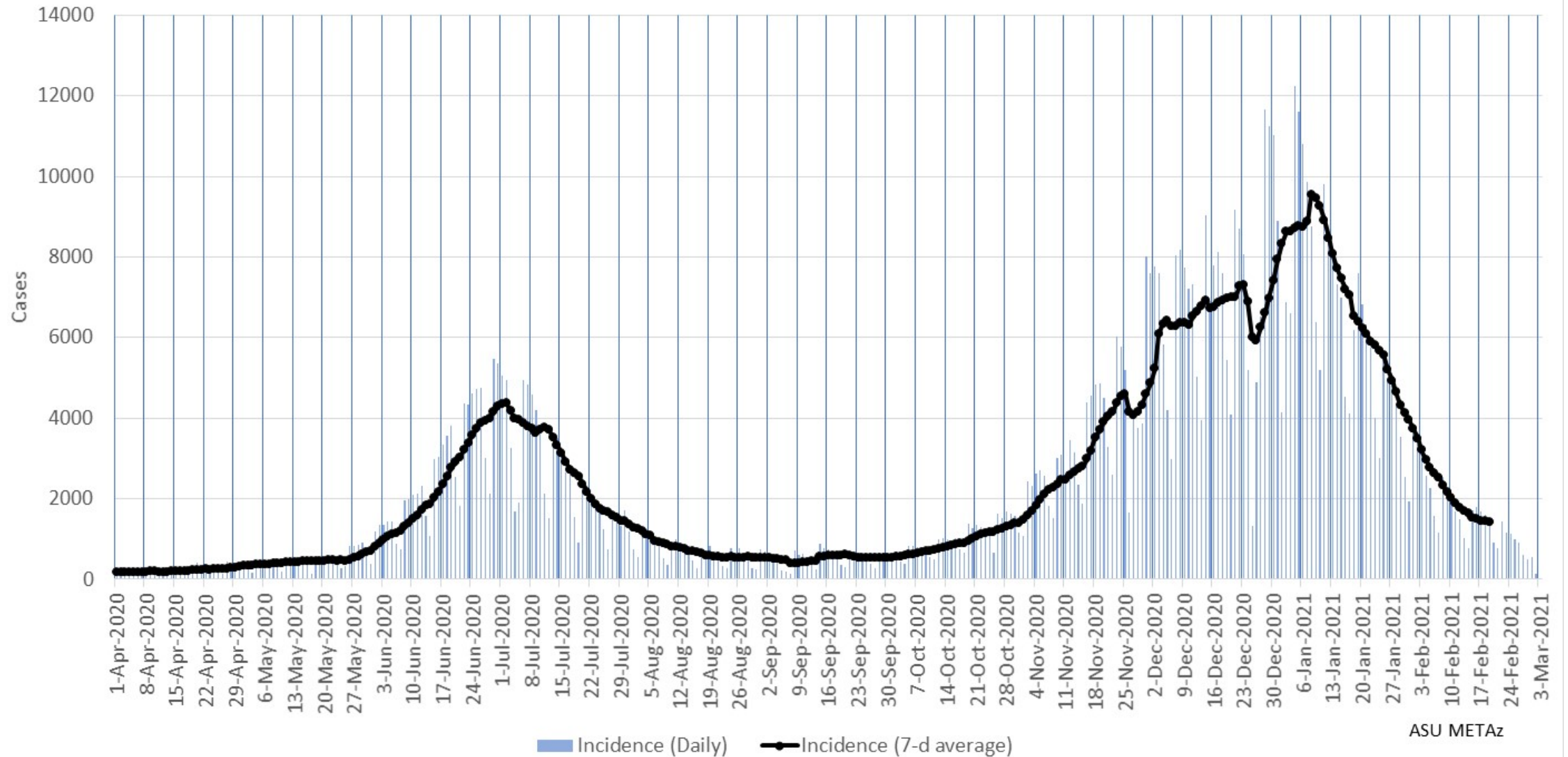


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Arizona Statewide Daily COVID-19 Deaths (by date of reporting)

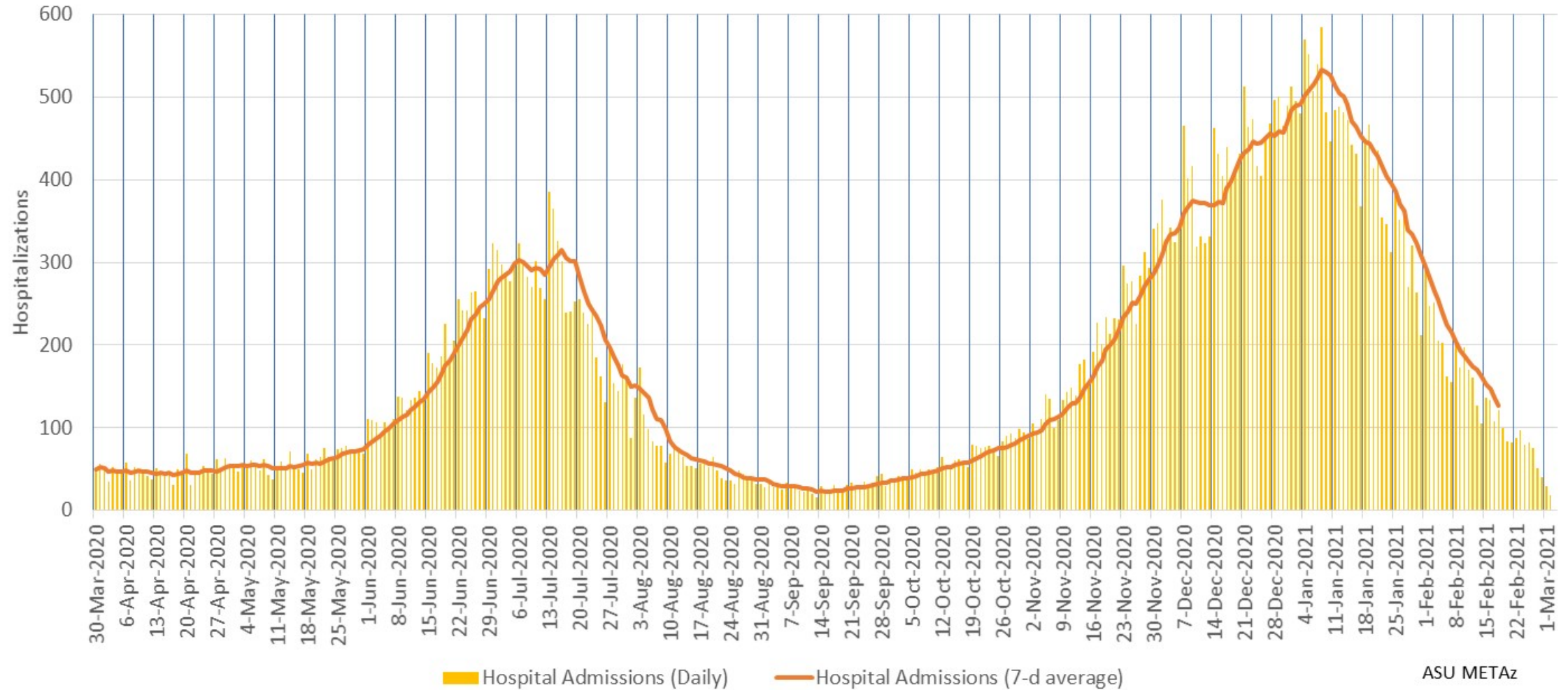


Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)



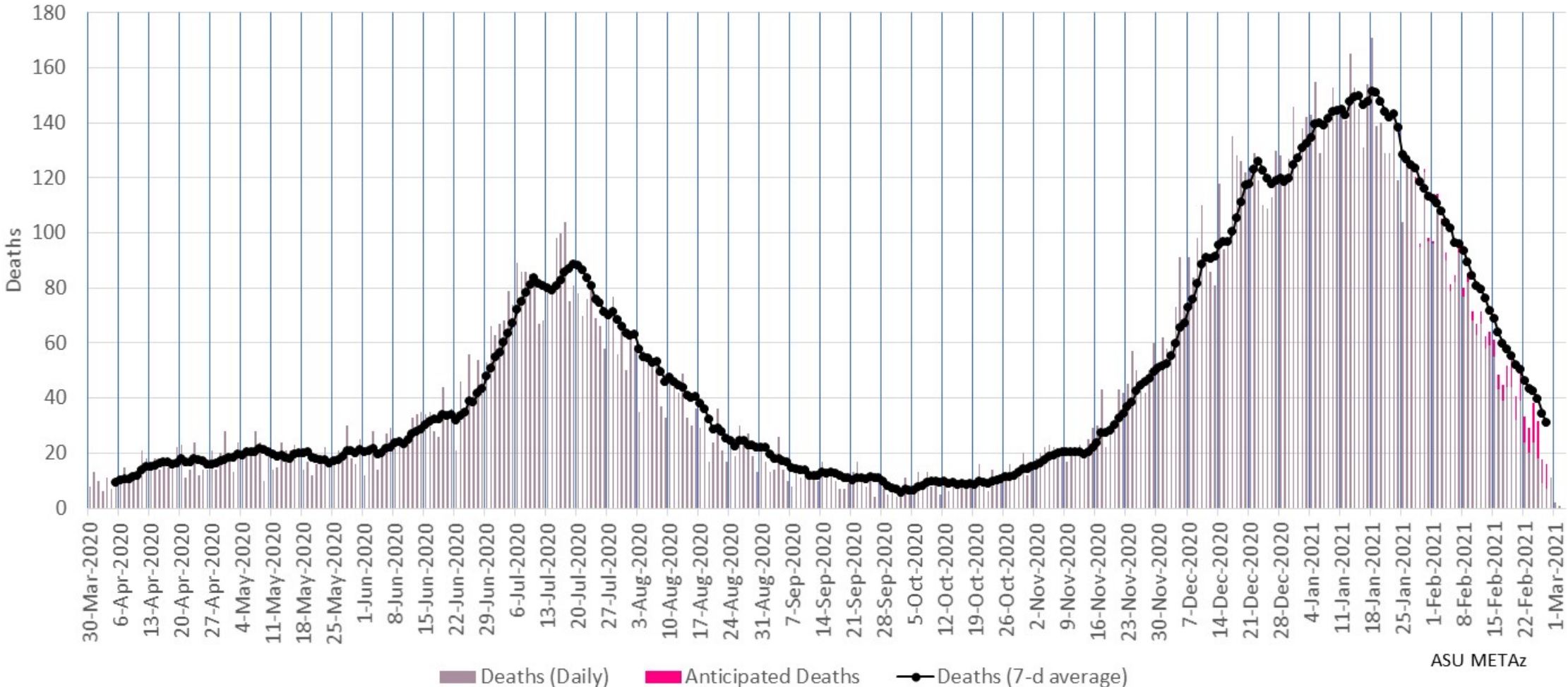
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Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)

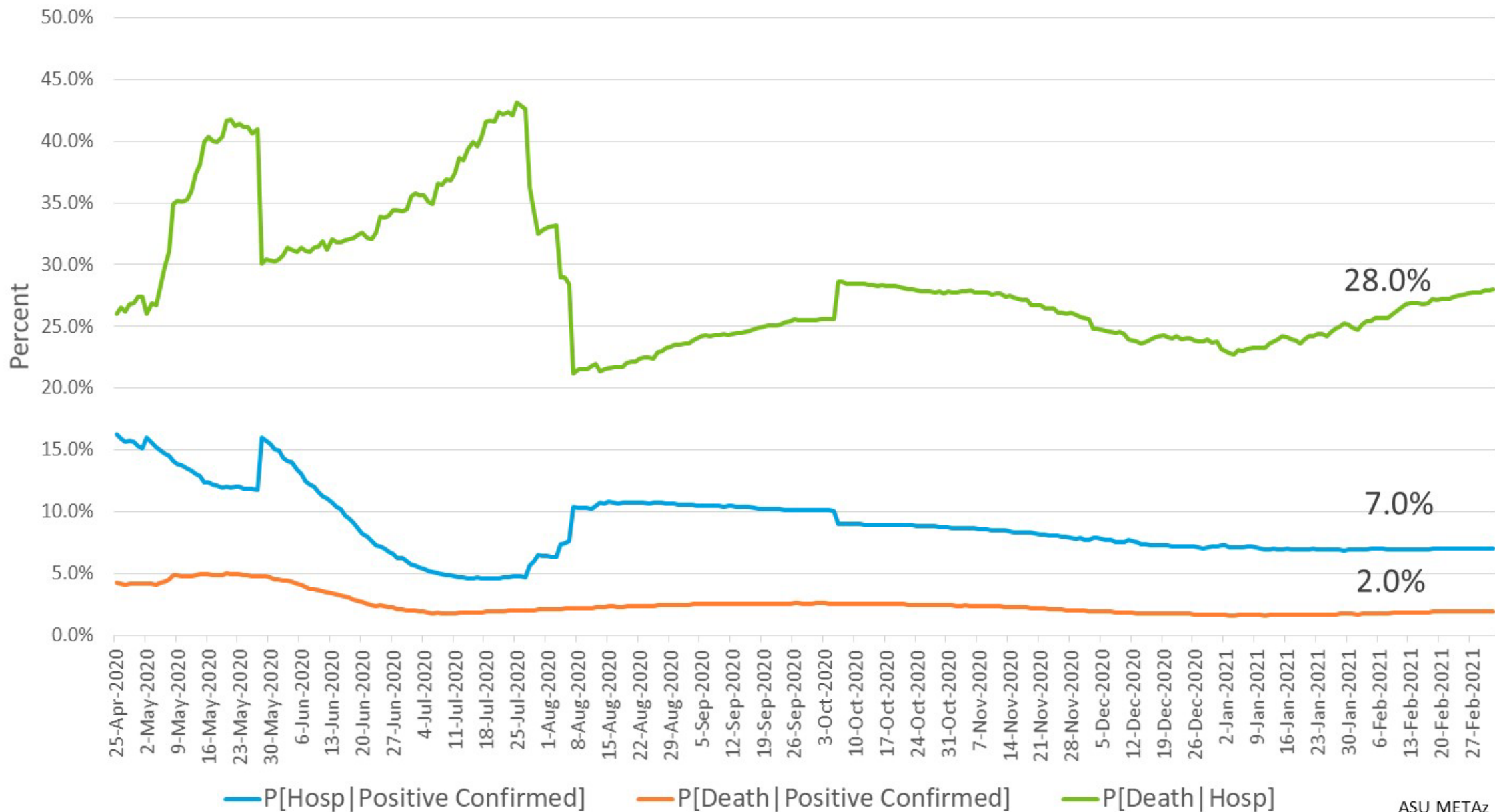


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Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



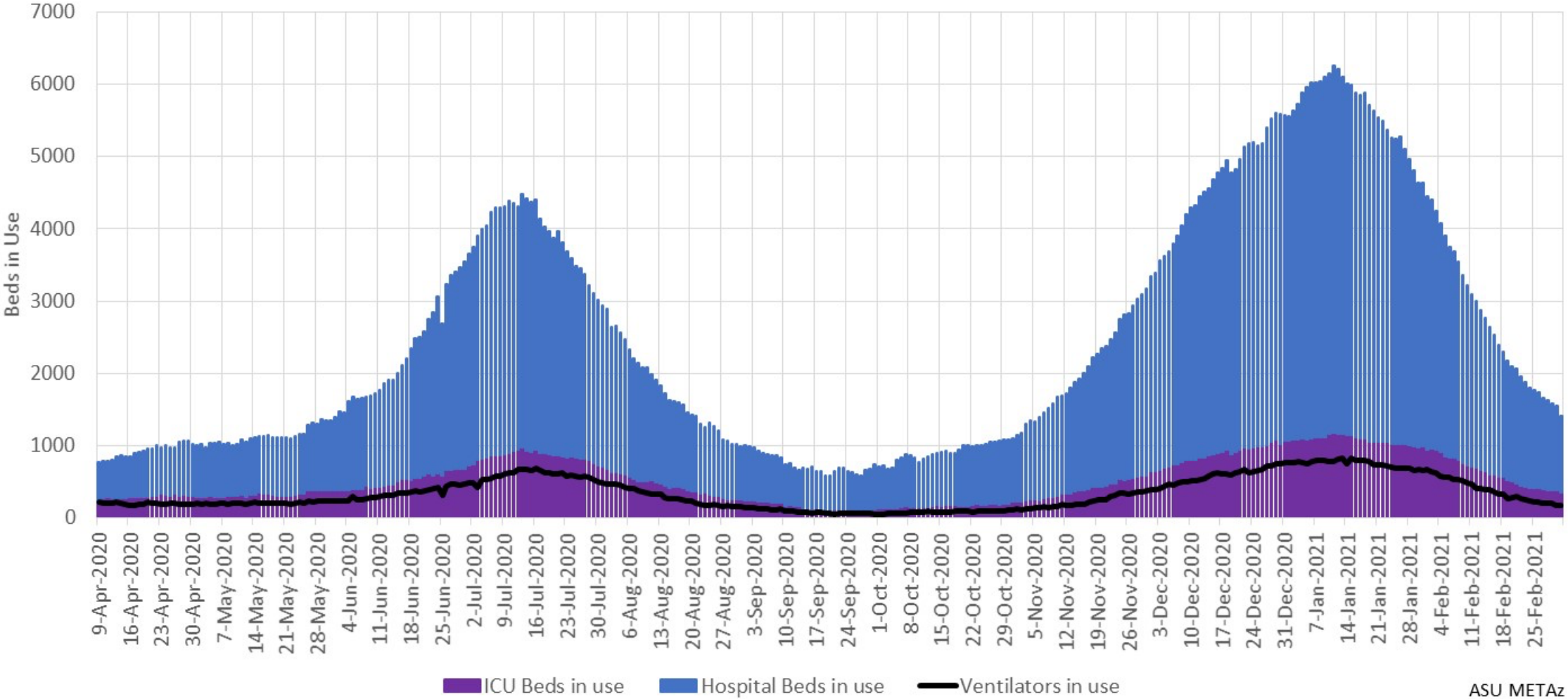
Arizona Statewide Case Fatality and Hospitalization Rates



Hospital Usage

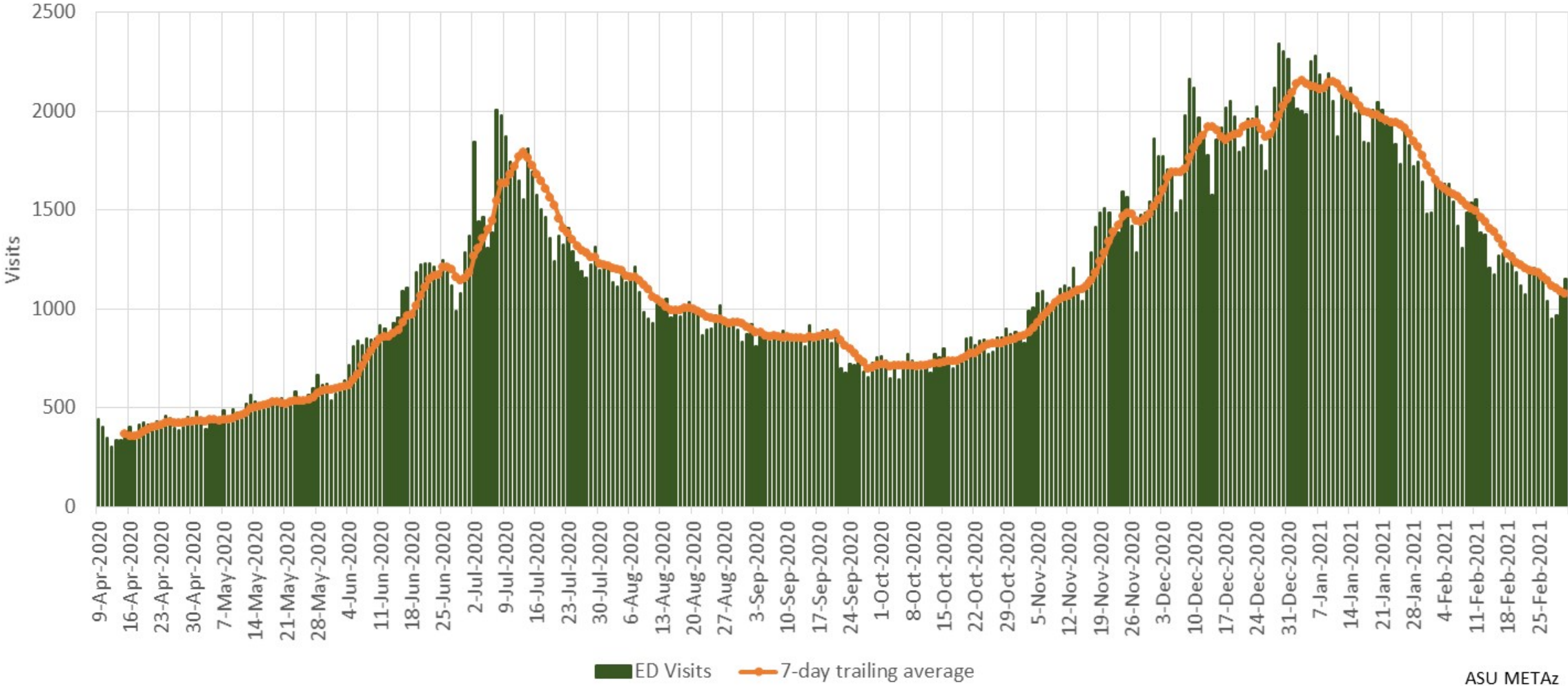


Arizona Statewide COVID-19 Hospital Resource Utilization



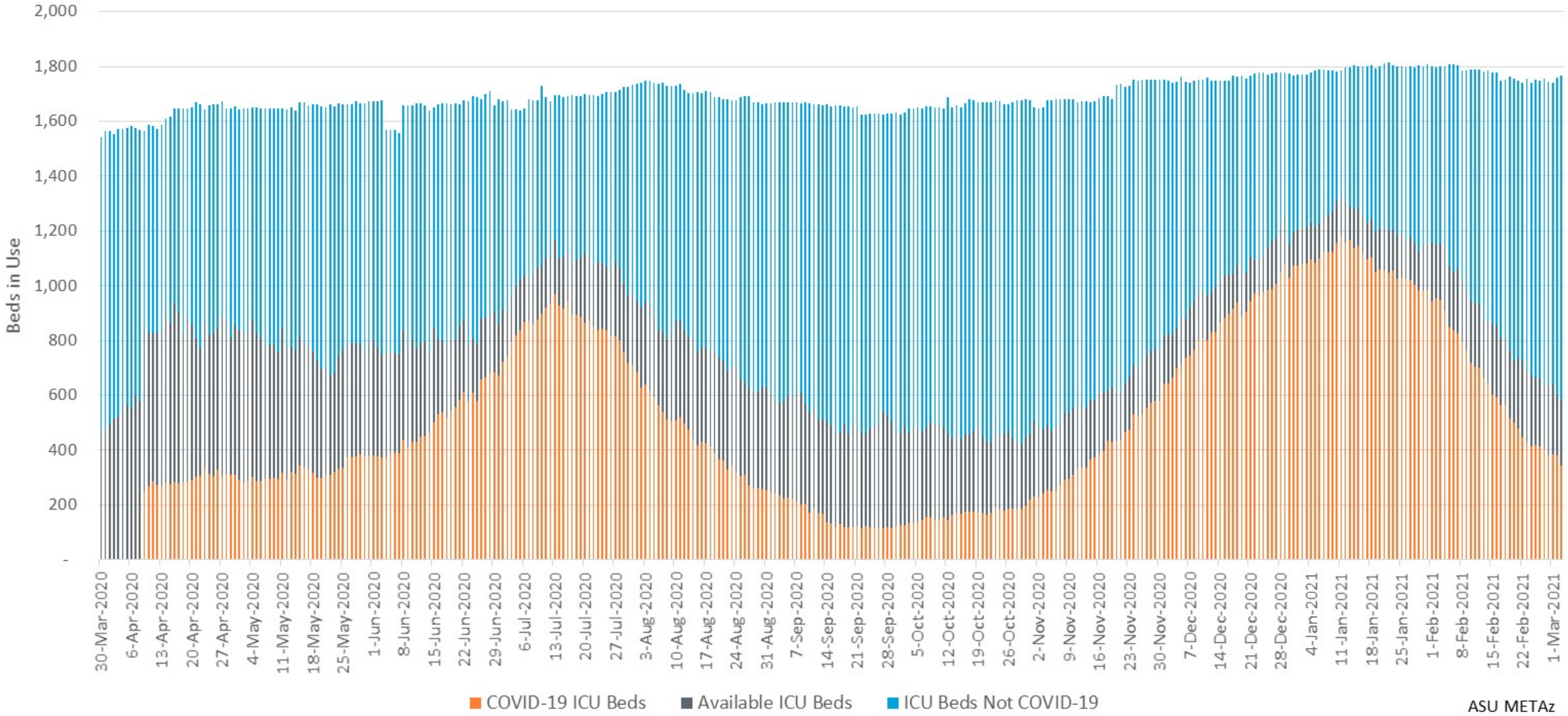
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Arizona Statewide COVID-19 Emergency Department Visits



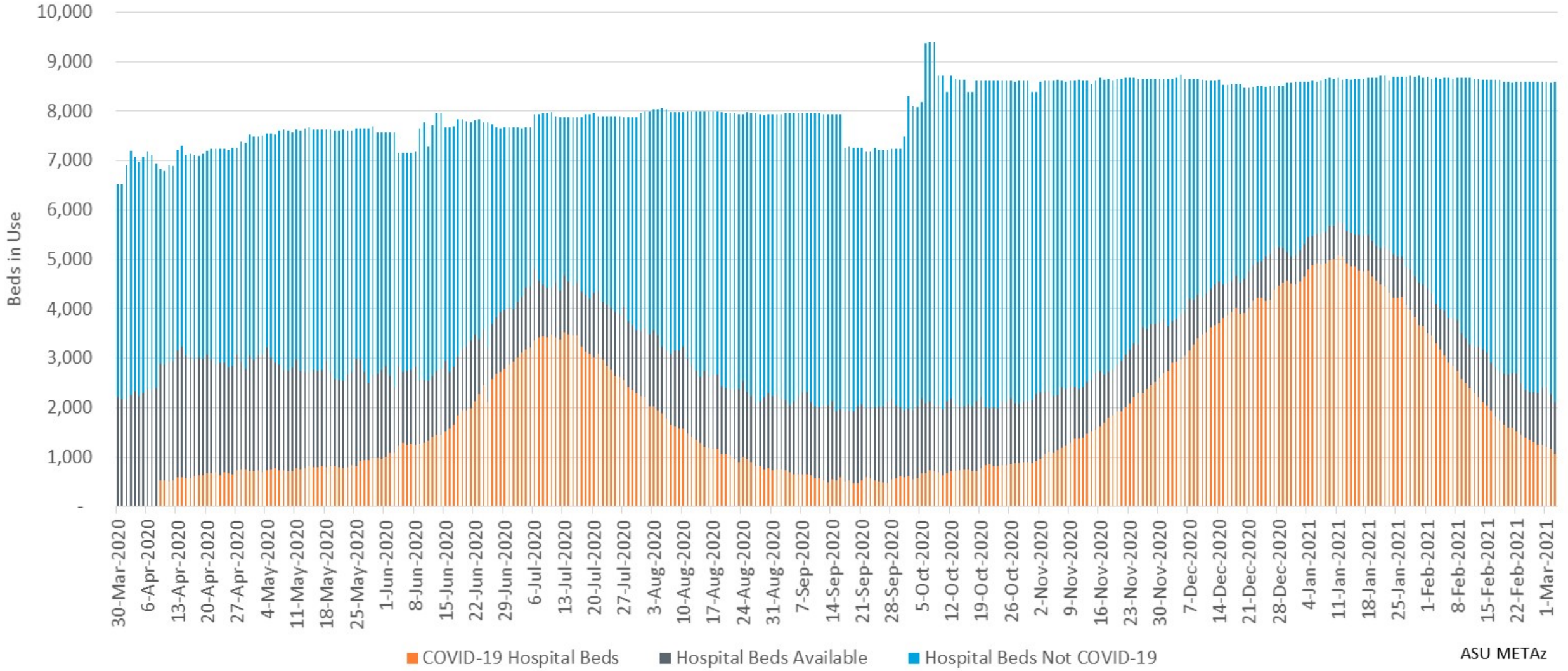
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Arizona Statewide ICU Bed Usage



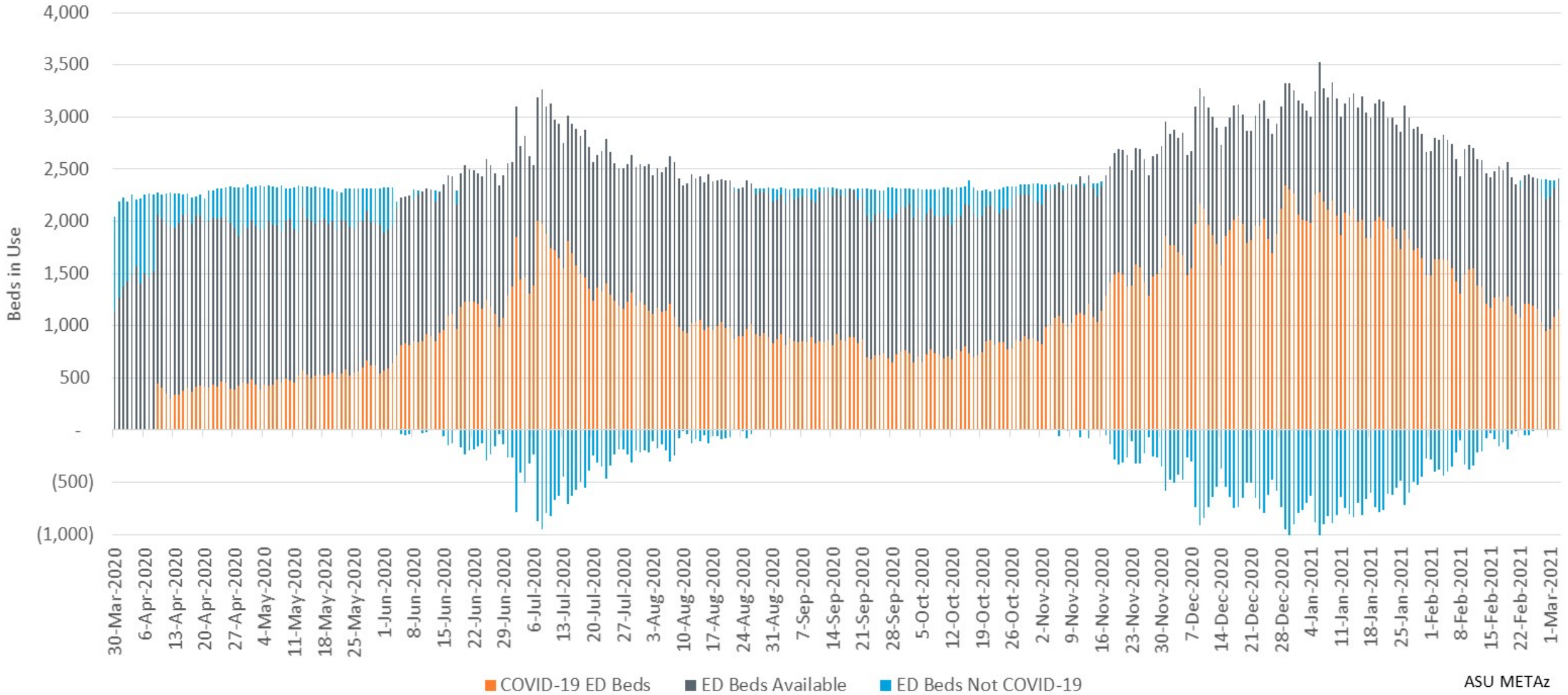
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Arizona Statewide Inpatient Bed Usage



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Arizona Statewide ED Bed Usage



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