



COVID Epidemiology Situation Update

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April 19, 2021

Summary

April 19, 2021				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
Cases	692	854,453	517	531,673
PCR Tests	5,432	4,174,520	3,372	2,493,046
% Positive	12.7%	20.5%	15.3%	14.1%
Hospitalizations	6	59,628	0	36,754
Deaths	0	17,153	0	9,767

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

- Today's reported statewide case count is 692 with 517 cases (75%) in Maricopa County, much higher than population distribution. We note that the Maricopa County proportion was similarly high last Monday, suggesting a likely pattern in case reporting in Maricopa County compared to other Arizona counties.
- The 7-day average for reported cases has fallen back to 602.
- 7-day percent positivity has fallen due to low numbers over the weekend and is now 9%.
- Hospital utilization remains stable for inpatient beds (similar to early October levels) and ICU beds (similar to early-mid October levels). ER bed utilization appears slightly lower than last week (still similar to early November levels).
- Bed usage for COVID-19 is 6% of inpatient beds and 8% of ICU beds statewide. Current hospital utilization is 87% for inpatient beds and 83% for ICU beds including COVID and non-COVID utilization.
- Hospital mortality is level at 28.8%. The overall case mortality remains stable.

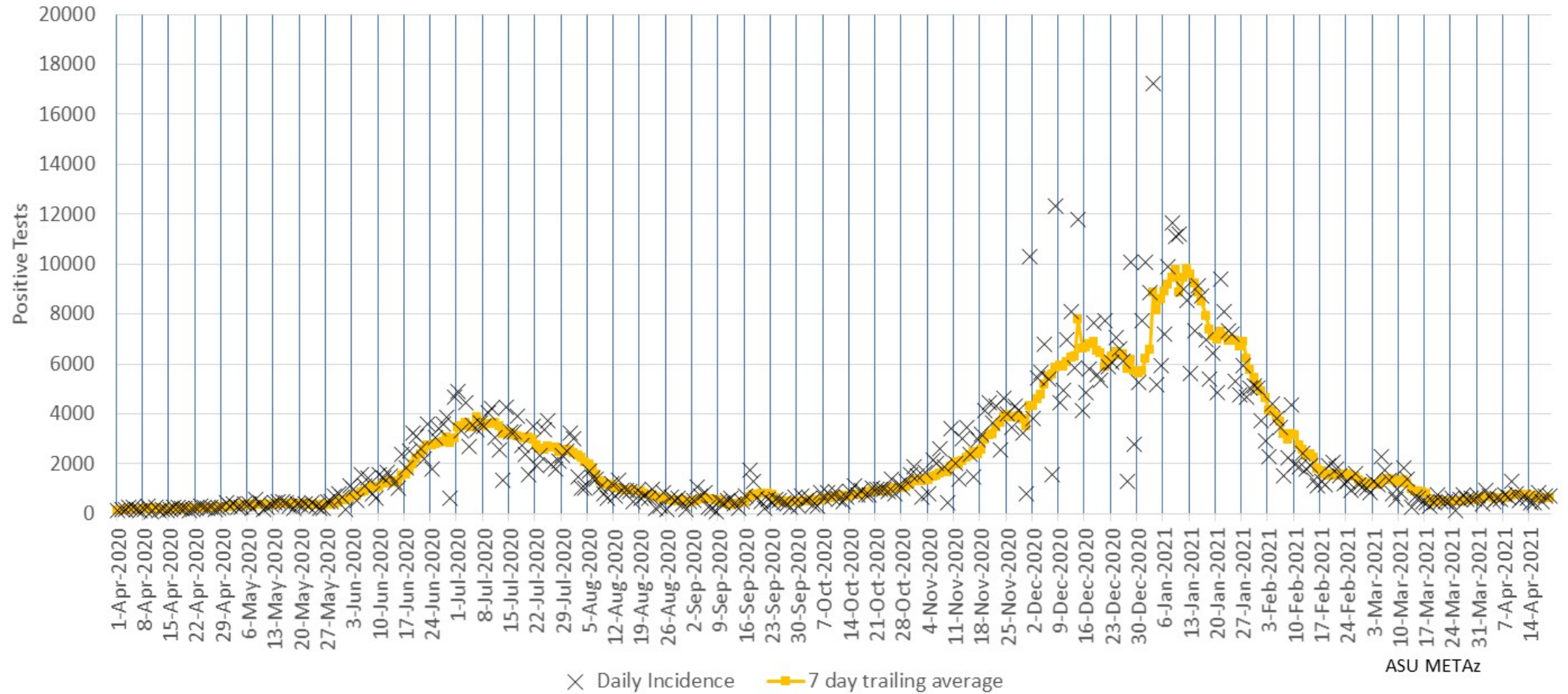
Arizona Statewide Analysis



Epidemiology

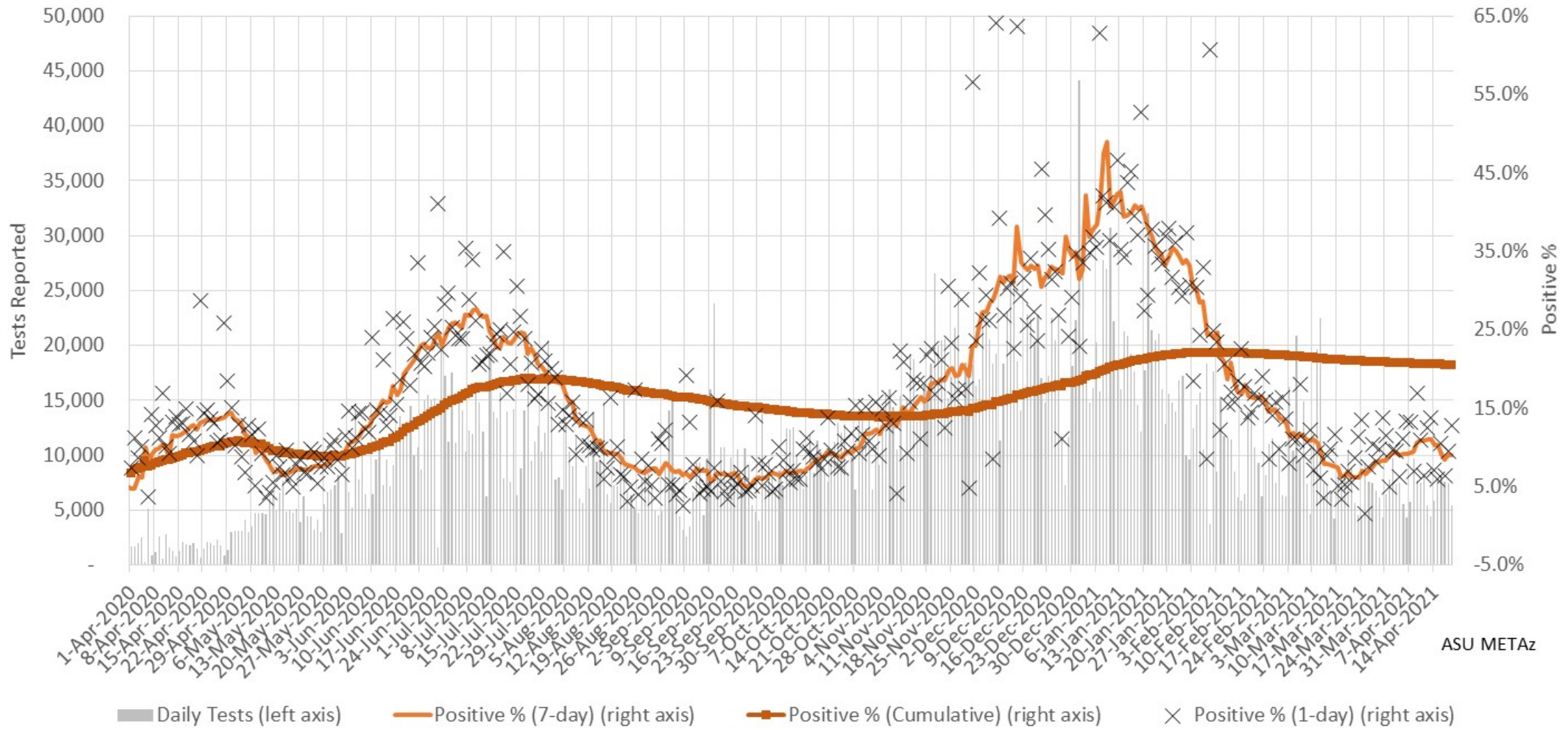


Arizona Statewide Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



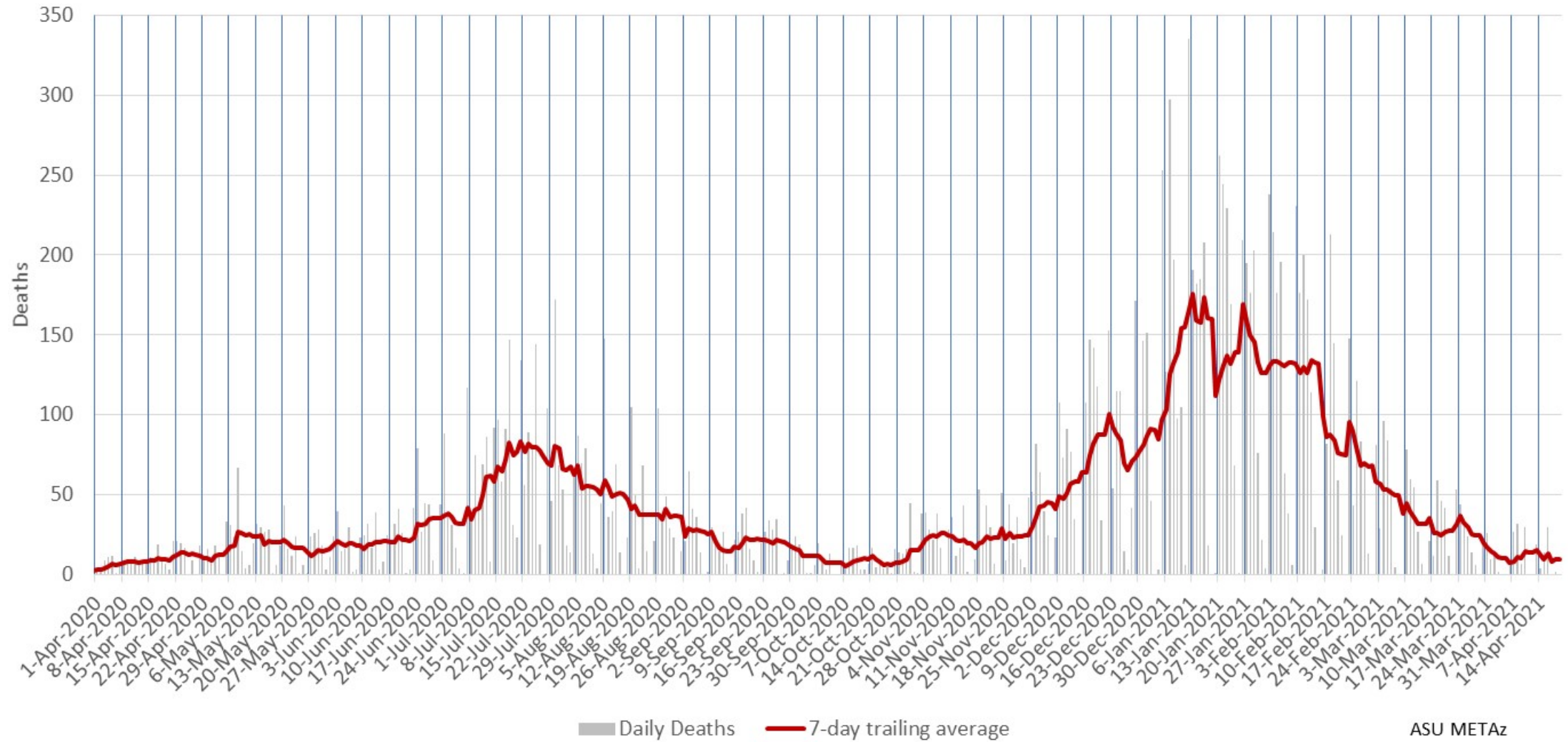
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Arizona Statewide Rolling weekly positive COVID-19 test rate



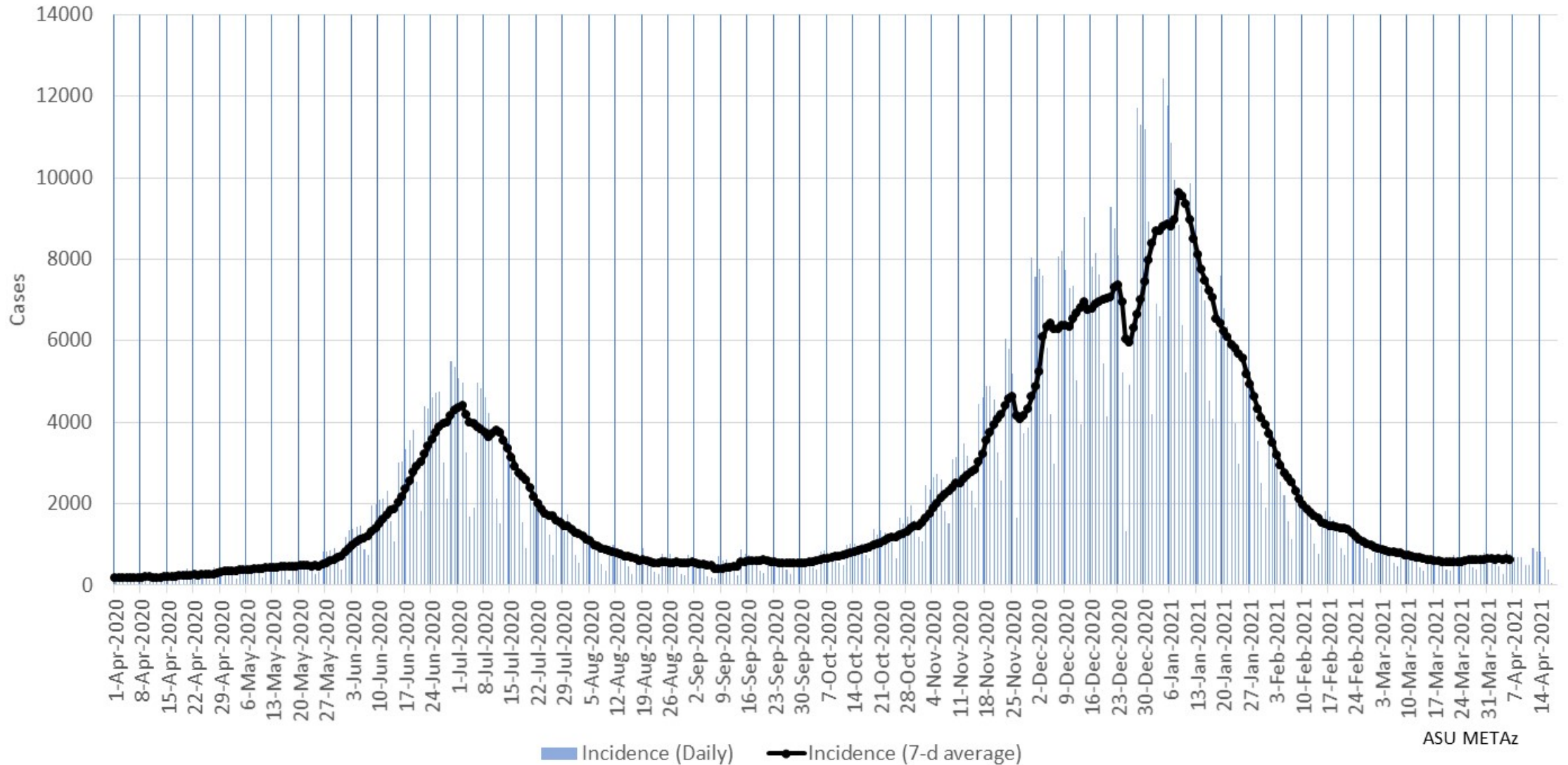
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Arizona Statewide Daily COVID-19 Deaths (by date of reporting)

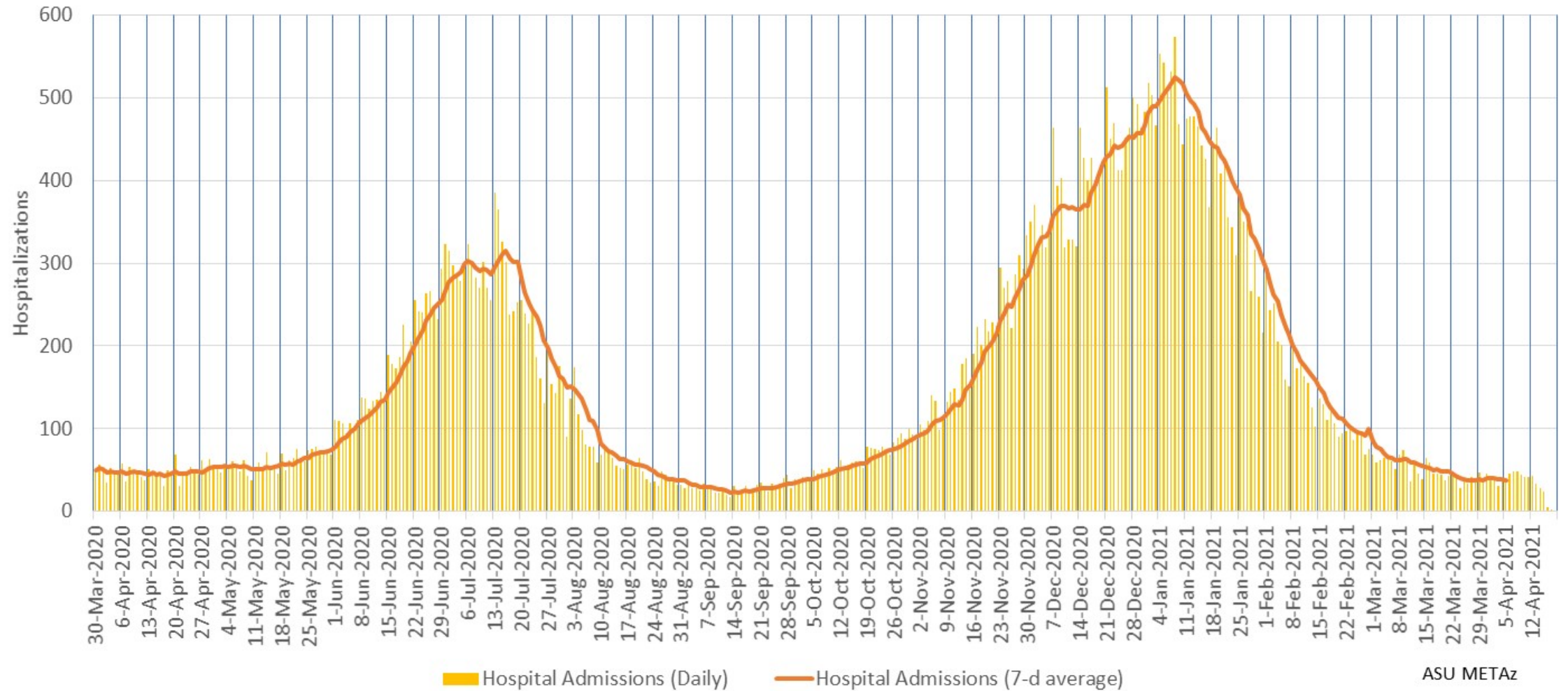


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Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)

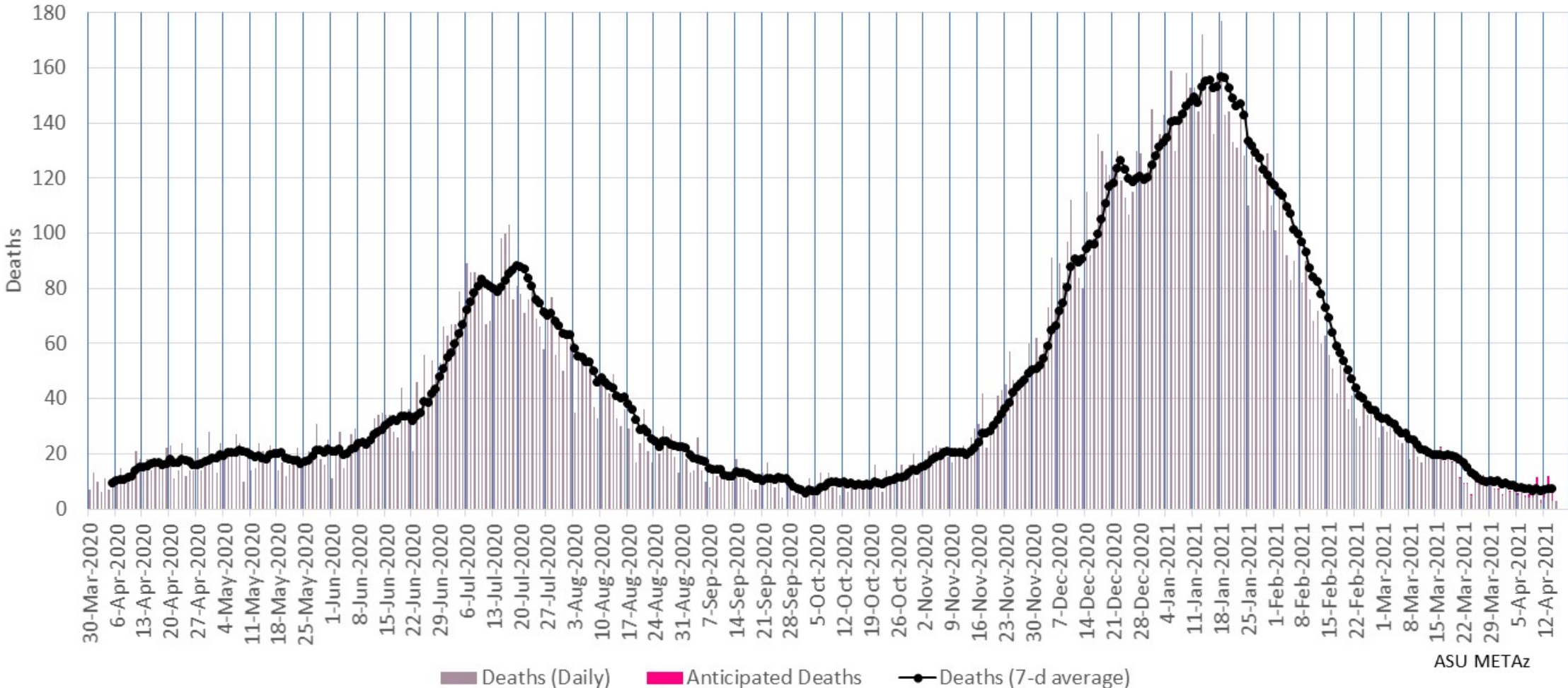


Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)



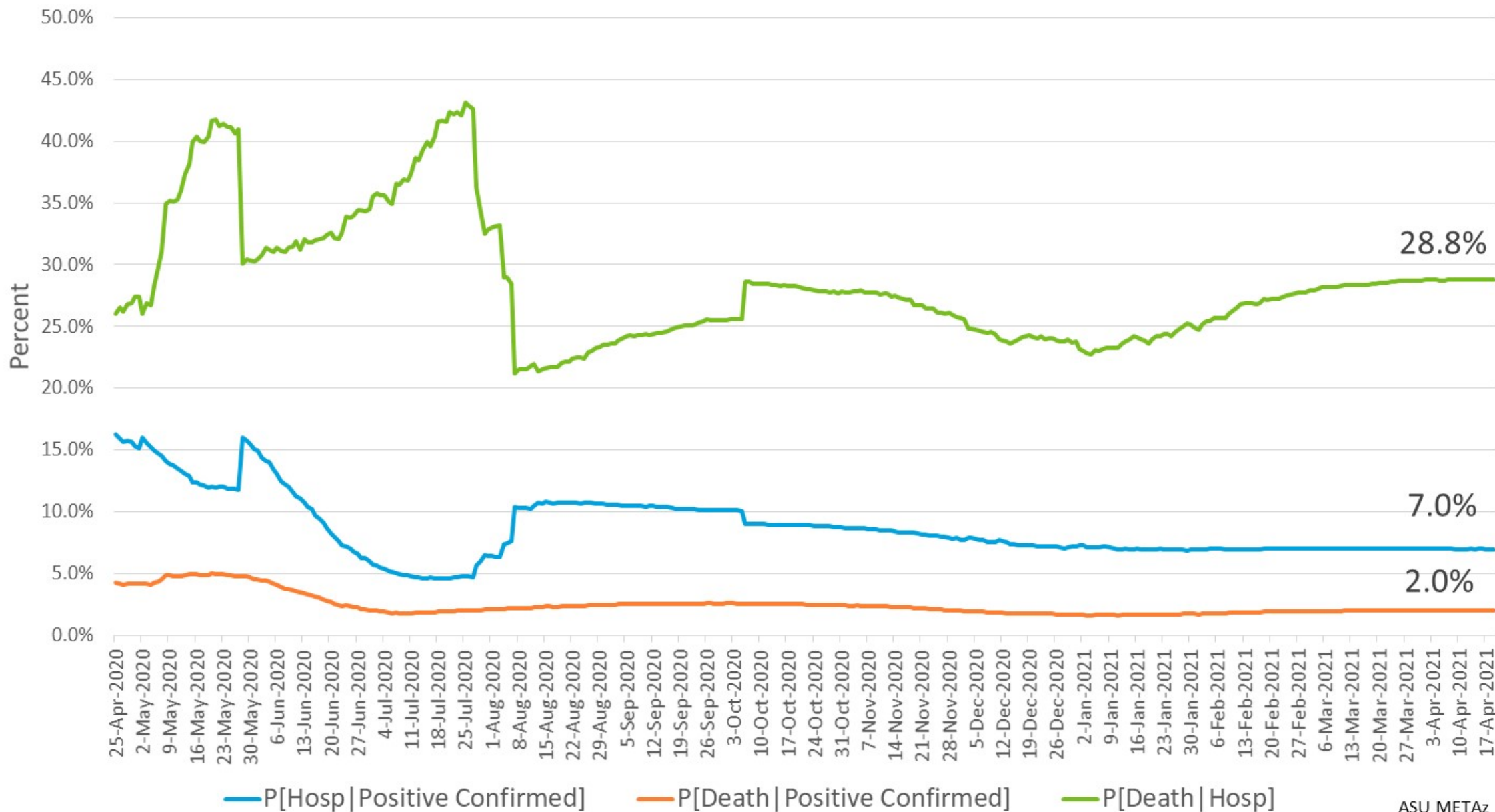
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Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



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Arizona Statewide Case Fatality and Hospitalization Rates

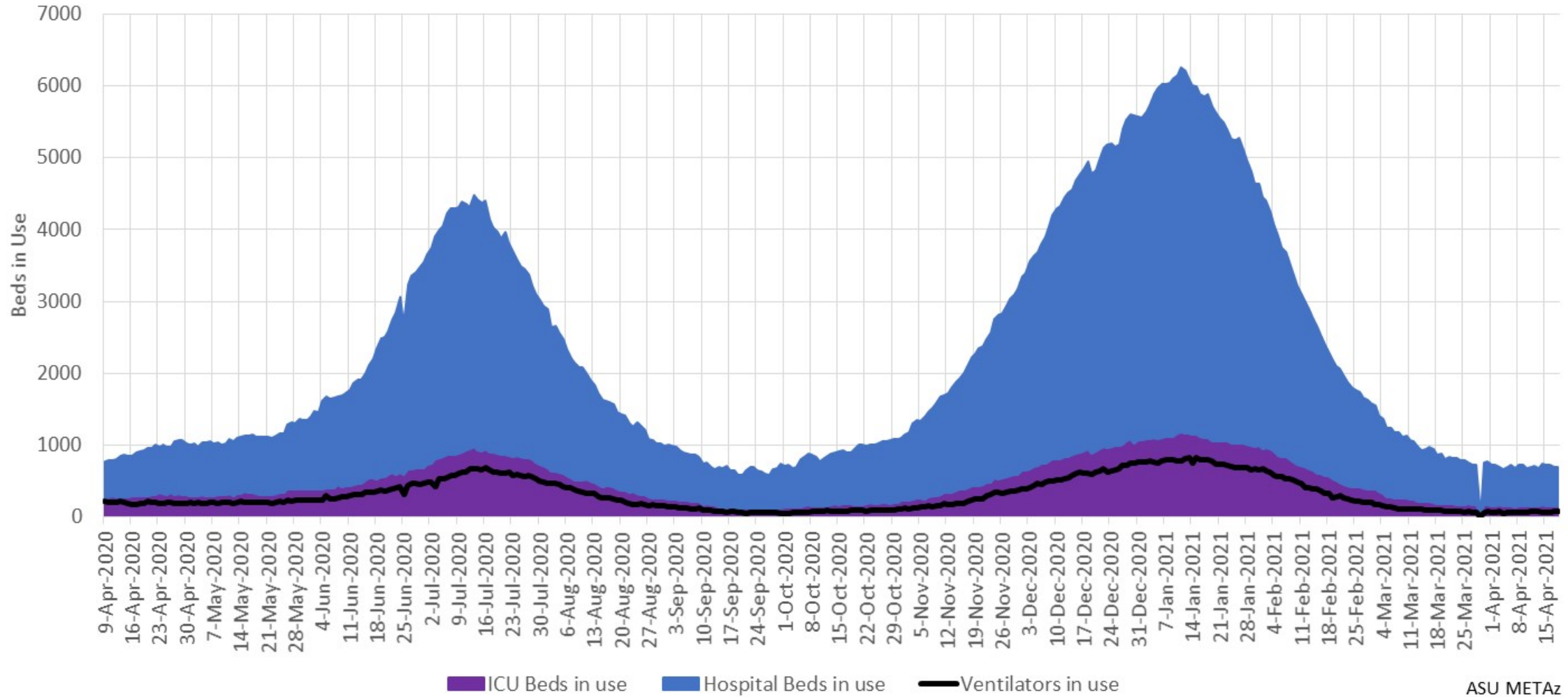


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Hospital Usage

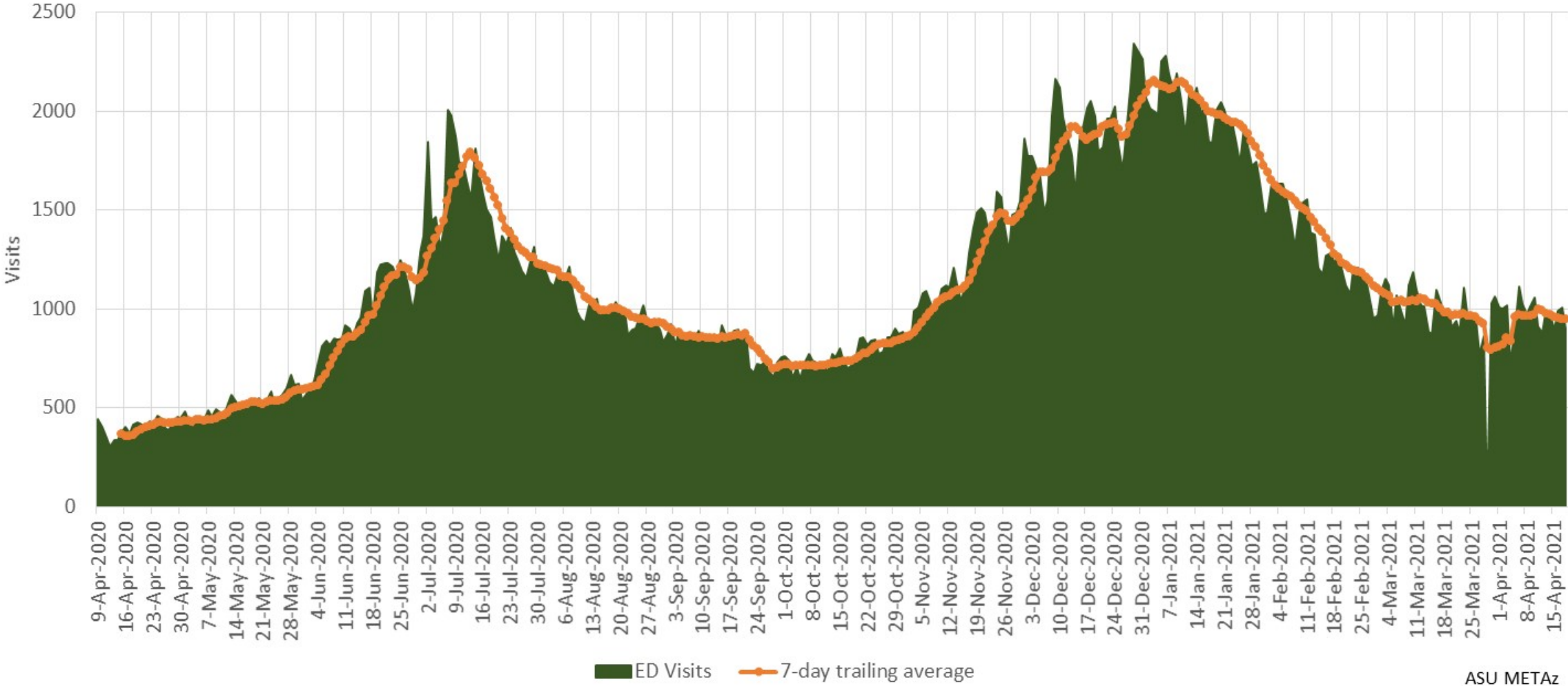


Arizona Statewide COVID-19 Hospital Resource Utilization



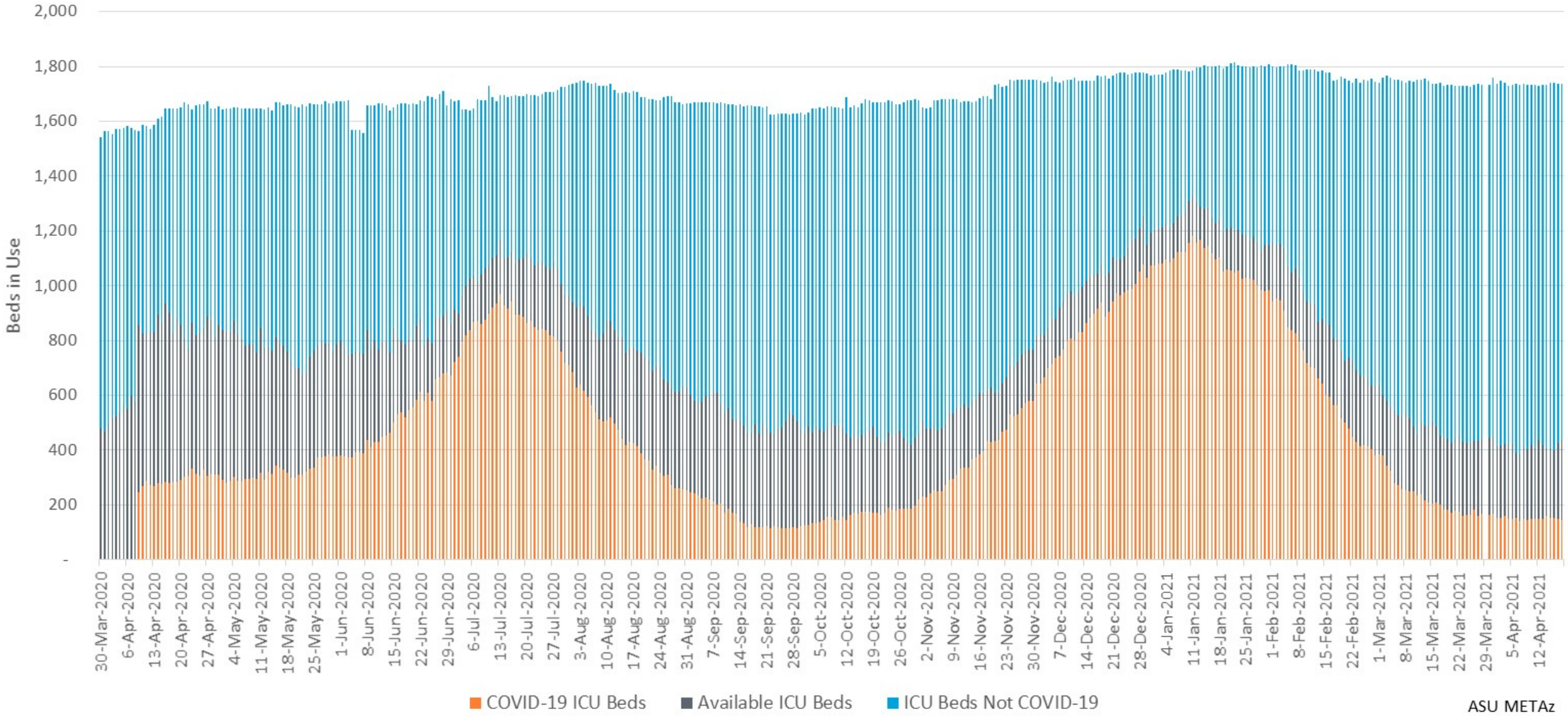
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Arizona Statewide COVID-19 Emergency Department Visits



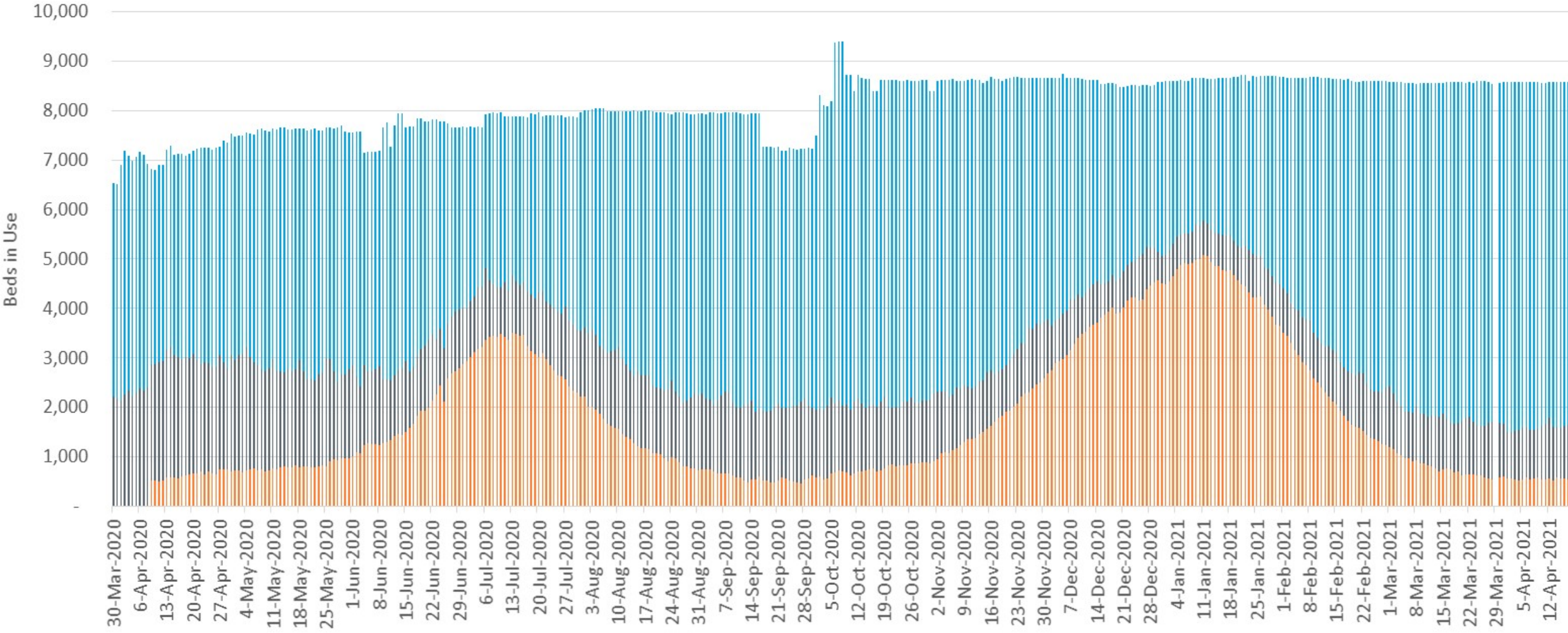
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Arizona Statewide ICU Bed Usage



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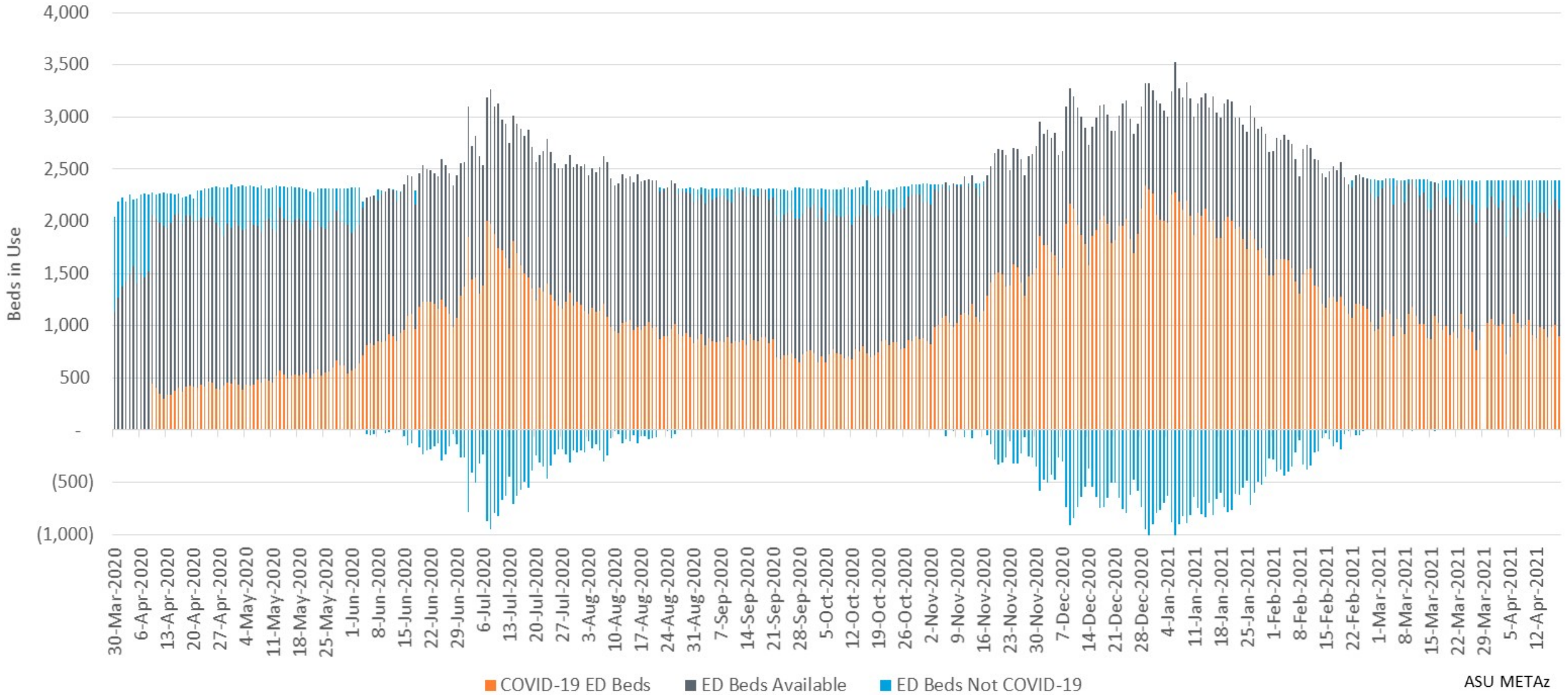
Arizona Statewide Inpatient Bed Usage



■ COVID-19 Hospital Beds
 ■ Hospital Beds Available
 ■ Hospital Beds Not COVID-19

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Arizona Statewide ED Bed Usage



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