



# COVID Epidemiology Situation Update

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**February 25, 2021**

# Summary

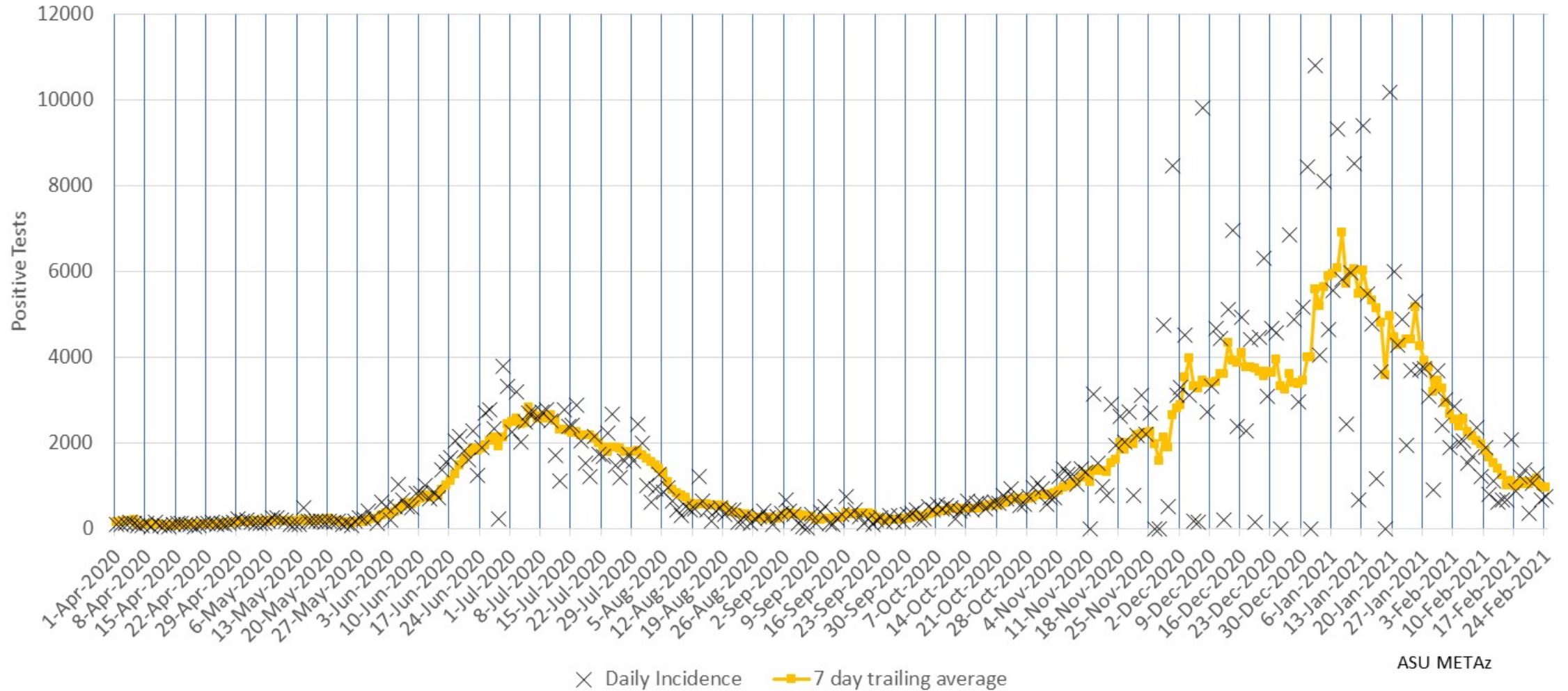
February 25, 2021				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
<b>Cases</b>	939	812,907	471	507,951
<b>PCR Tests</b>	11,019	3,728,569	6,306	2,241,803
<b>% Positive</b>	8.5%	21.8%	7.5%	15.1%
<b>Hospitalizations</b>	234	57,390	95	35,589
<b>Deaths</b>	121	15,814	62	9,000
<i>All data pulled from azdhs.gov. Numbers may not match Maricopa county data.</i>				

- Today's statewide case count is 939 with 471 cases (50%) in Maricopa County, lower than population distribution. The 7-day average for reported cases has fallen to 1,529, similar to early November at the beginning of the most recent surge.
- After 6 weeks of consistent declines, the epi curve appears to have plateaued in Maricopa County and statewide 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 to 15%.
- Hospital utilization continues to decline slowly and is now at levels similar to the first third of November.
- Bed usage for COVID-19 is 16% of inpatient beds and 24% of ICU beds statewide. Current hospital utilization is 89% for inpatient beds and 85% 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.

# Maricopa County Analysis

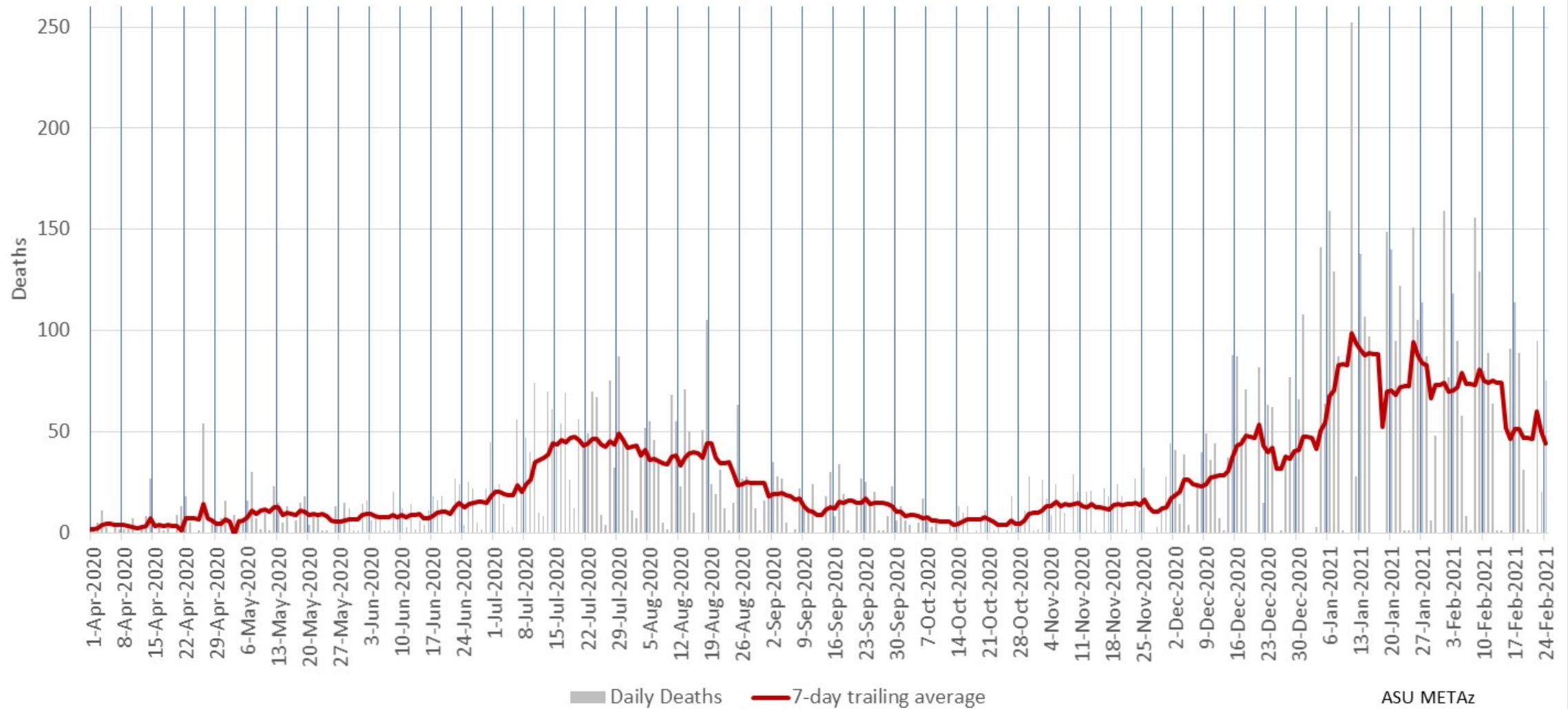


### Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



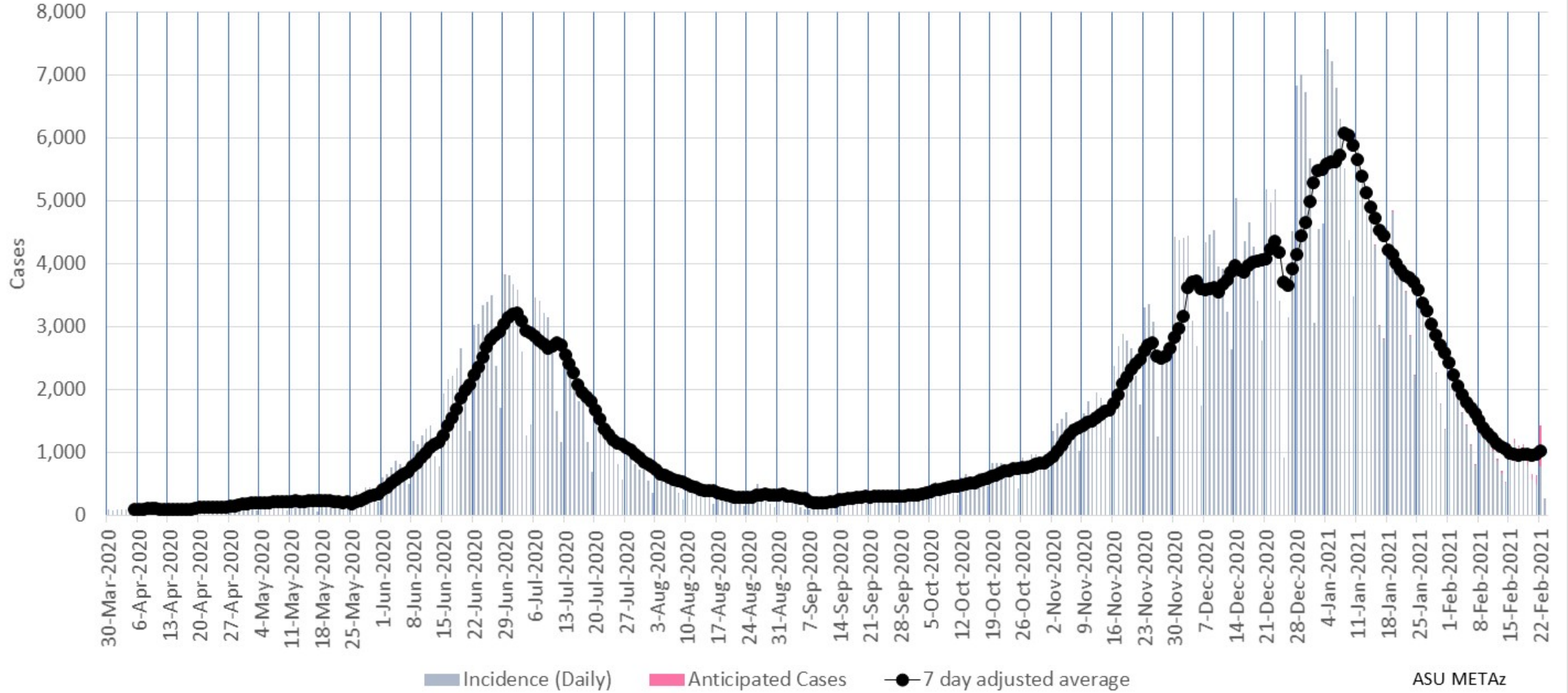
Due to the holidays, multiple days of data were held (Nov 11, 26 & 27; December 25, January 1 & 18) and reported on the next business day.

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



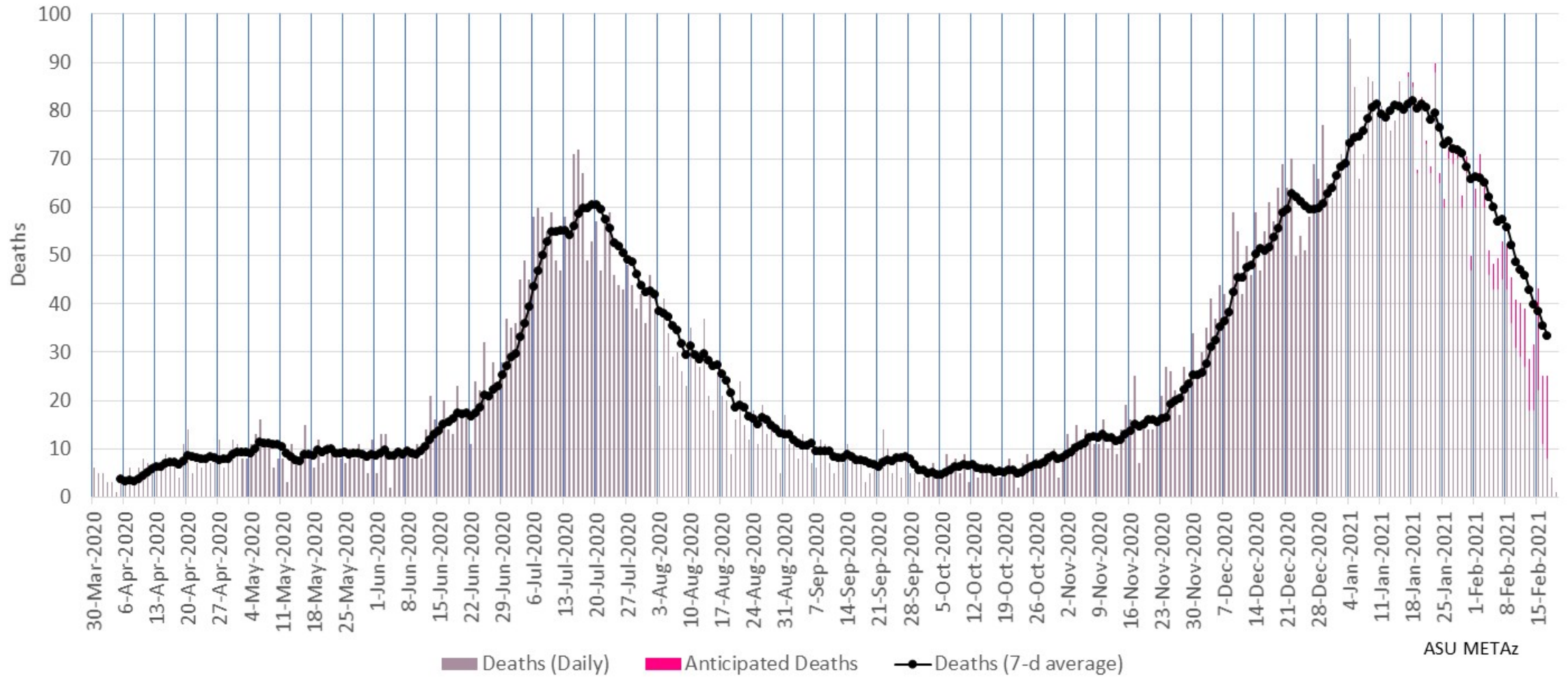
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Maricopa County Daily COVID-19 Cases by Date of Sample Collection  
(Epi Curve)



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



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# Arizona Statewide Analysis

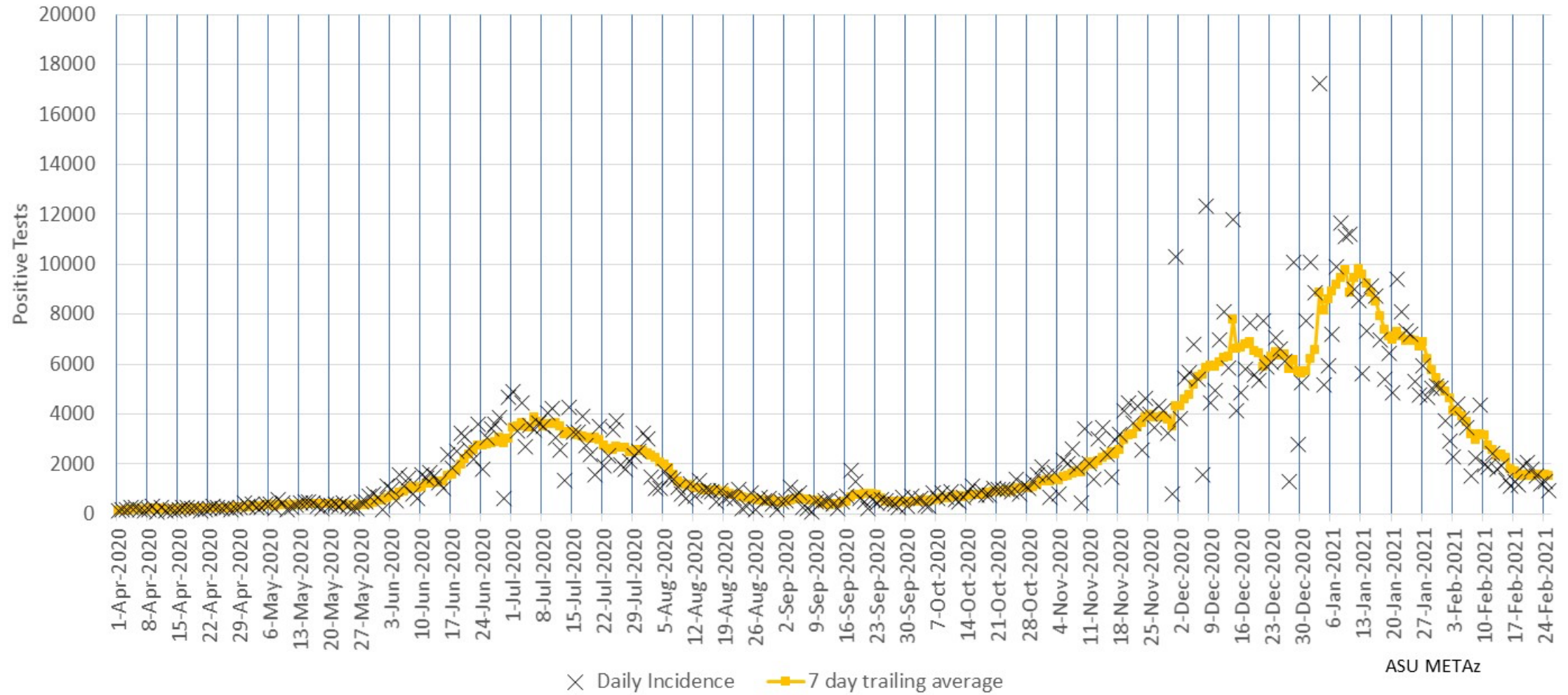




# Epidemiology

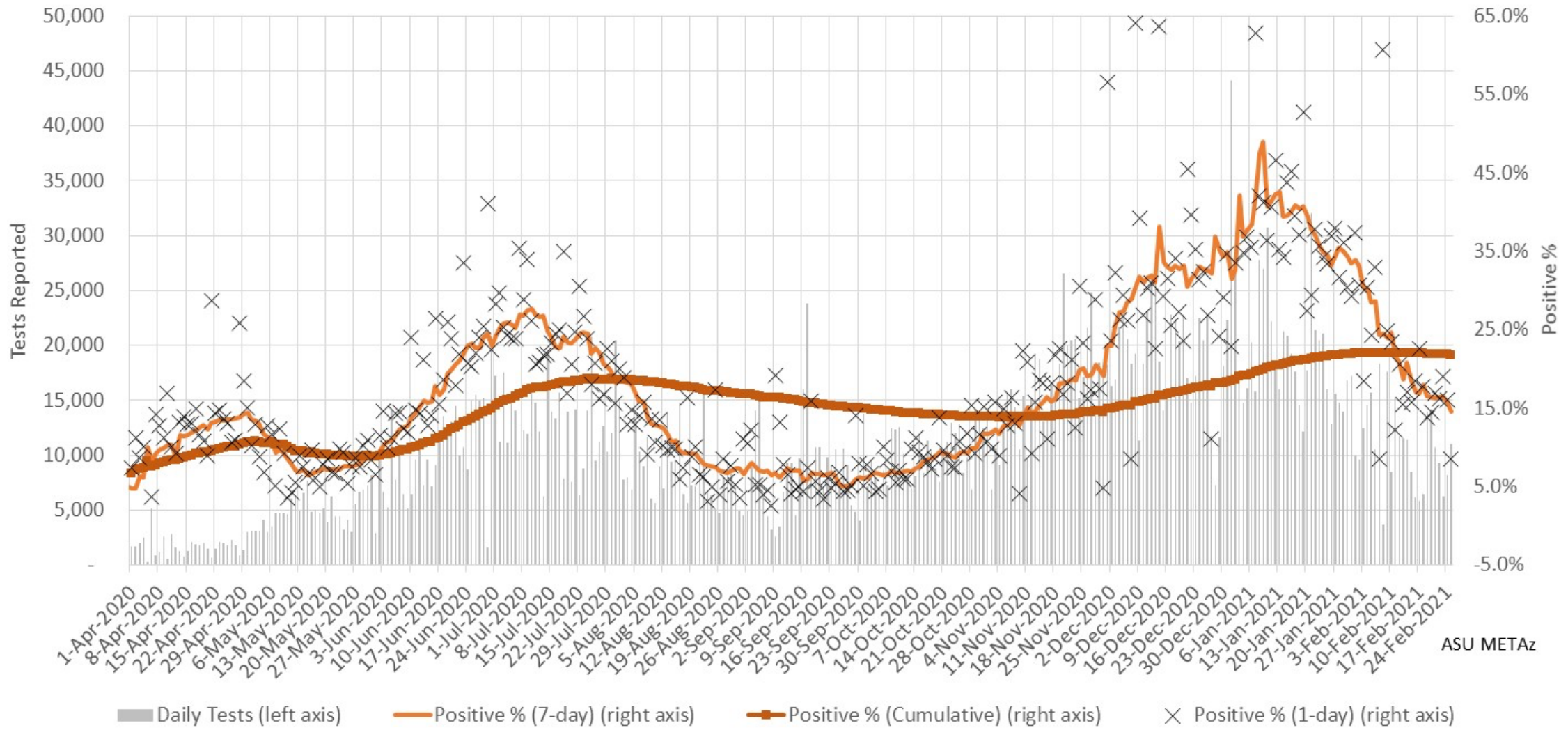


### Arizona Statewide Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



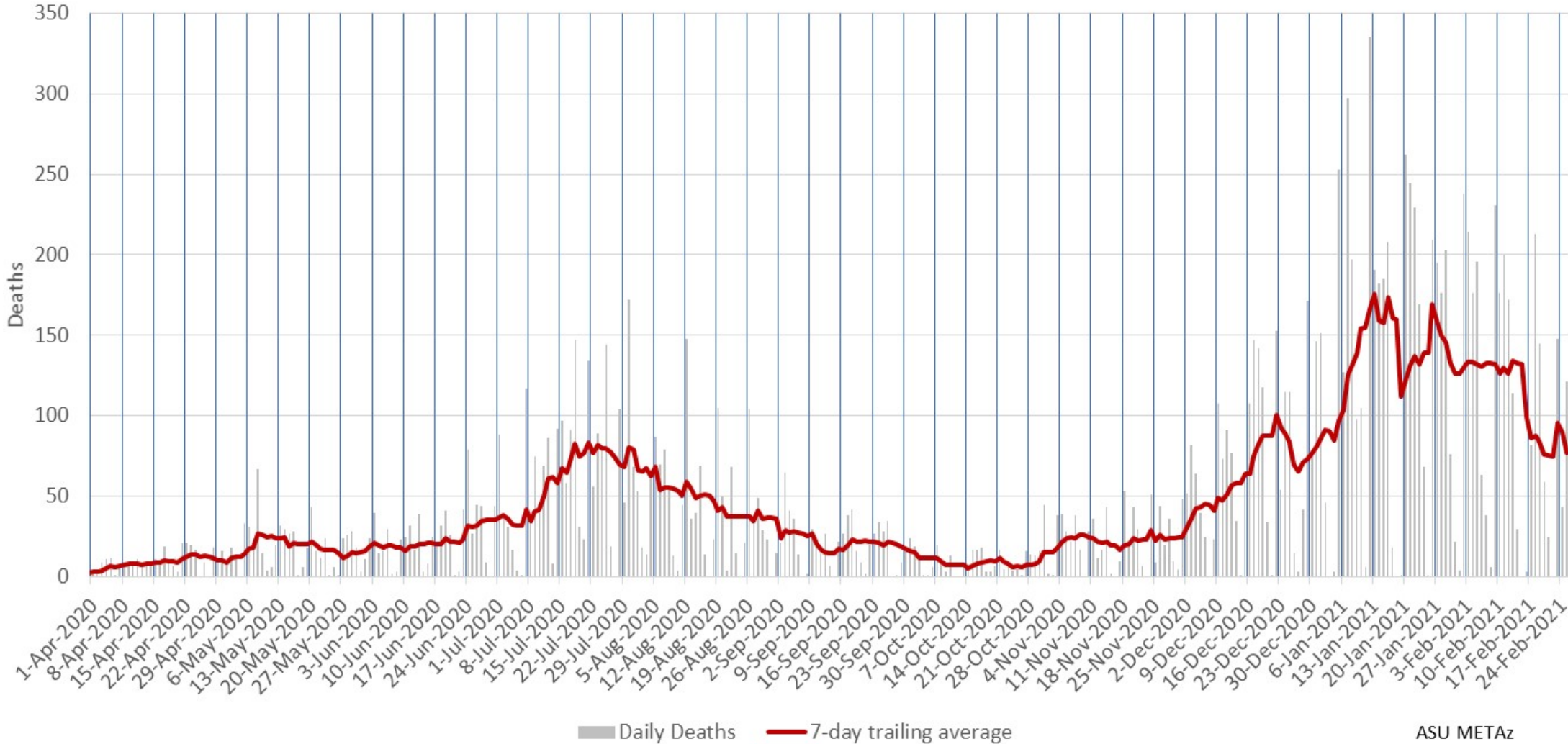
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### Arizona Statewide Rolling weekly positive COVID-19 test rate

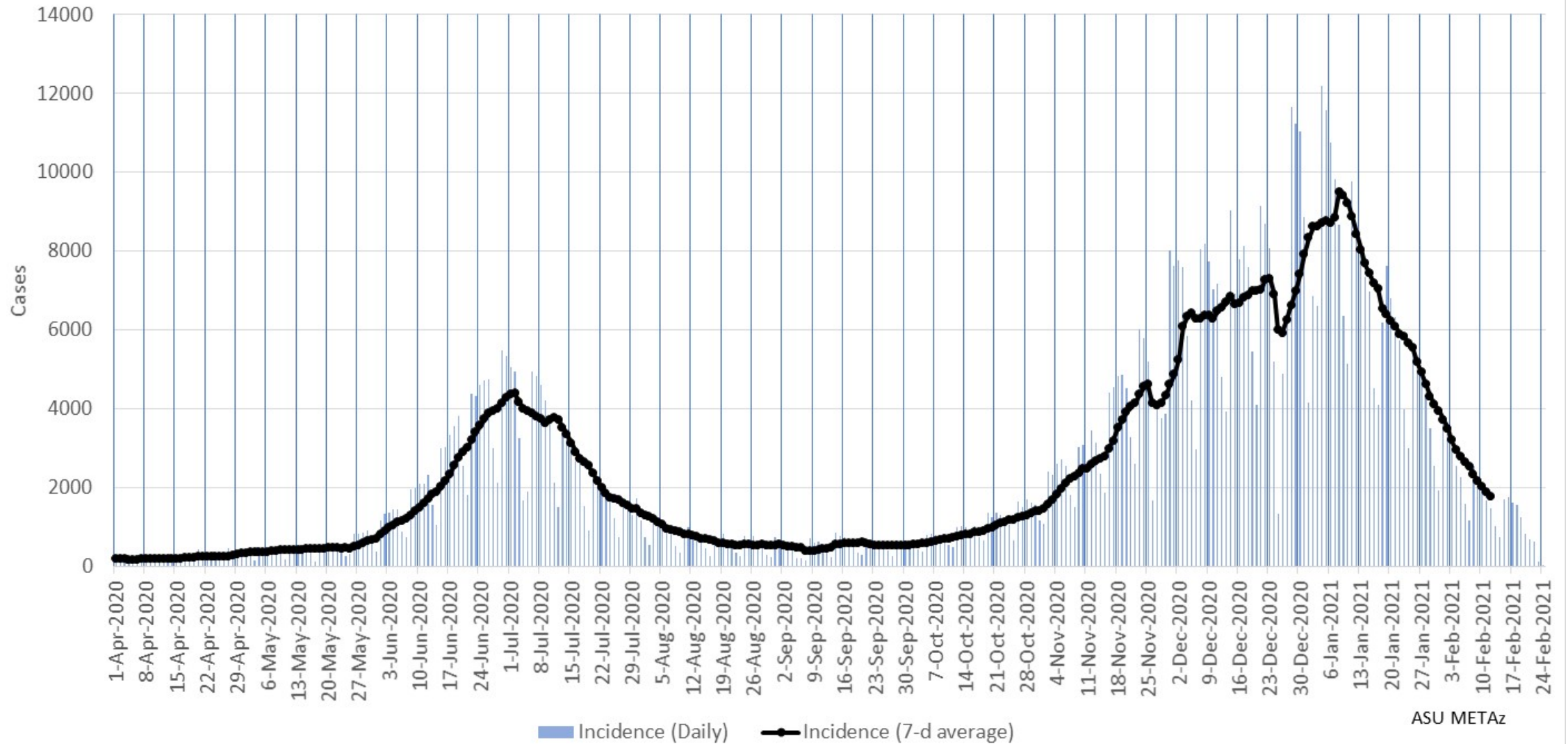


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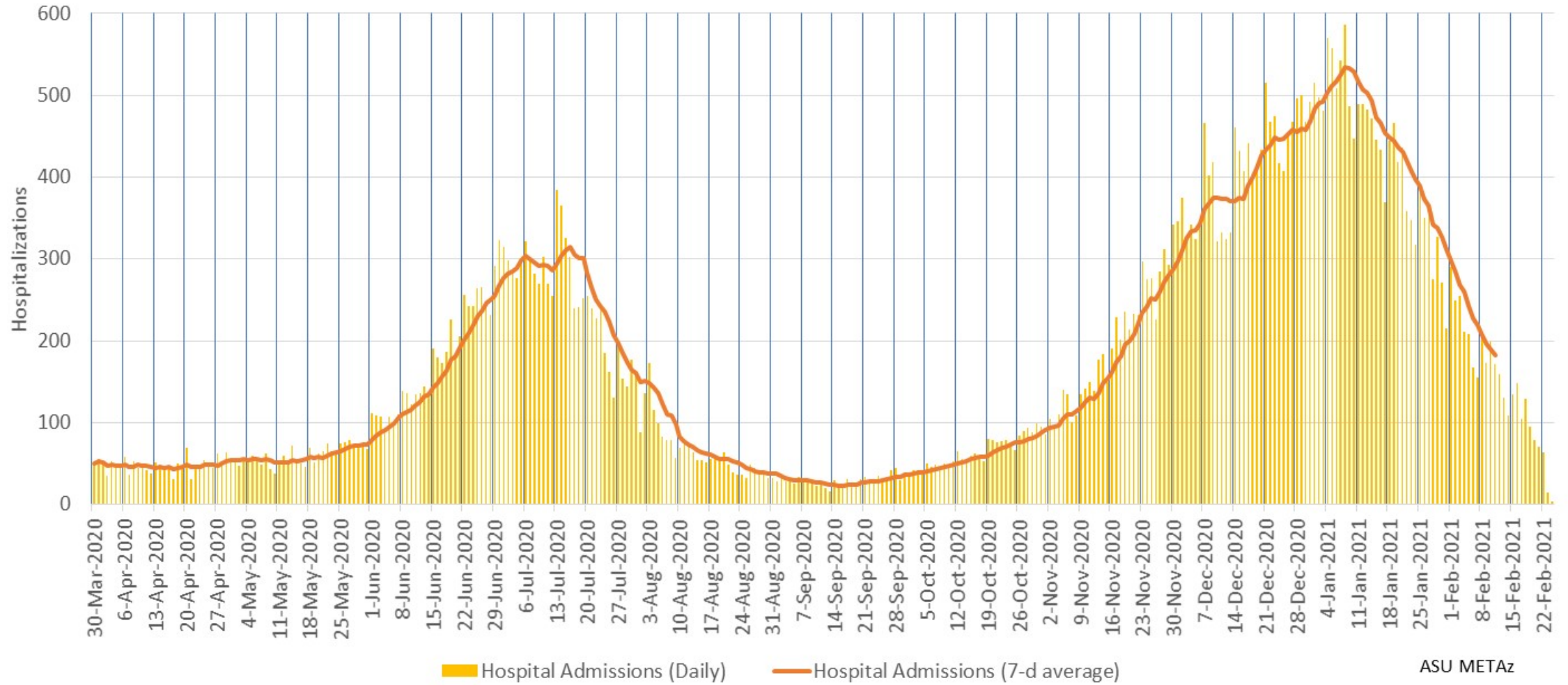
### Arizona Statewide Daily COVID-19 Deaths (by date of reporting)



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

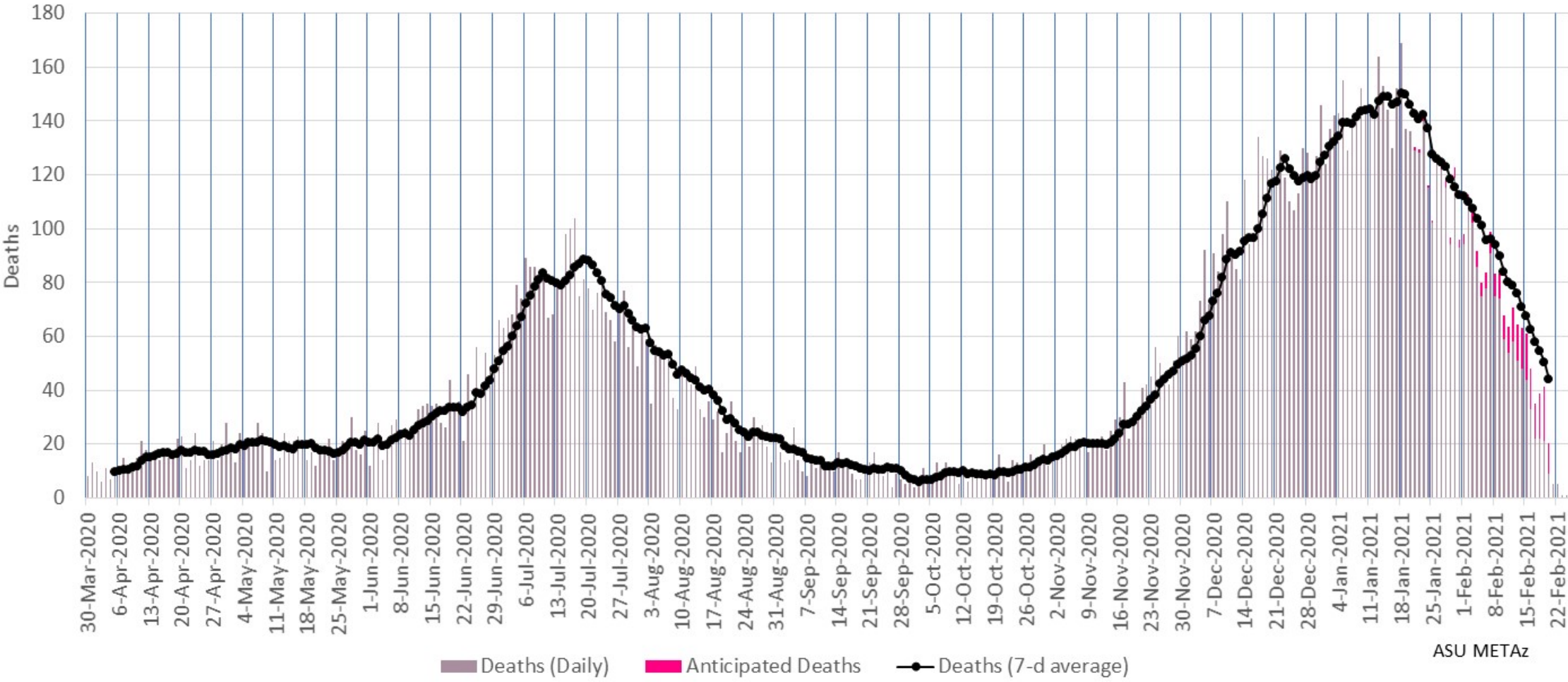


# Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)



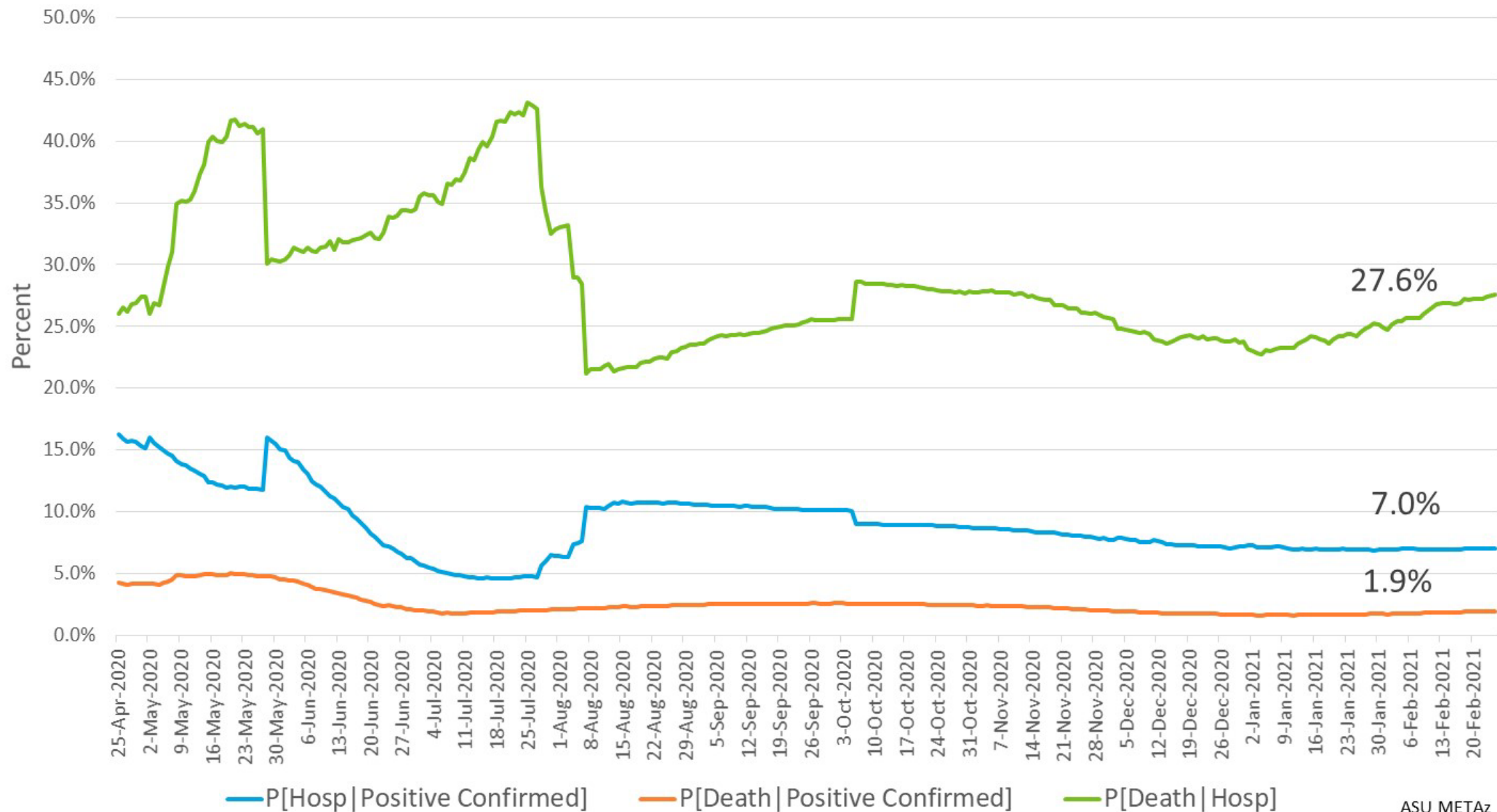
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### Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)



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## Arizona Statewide Case Fatality and Hospitalization Rates

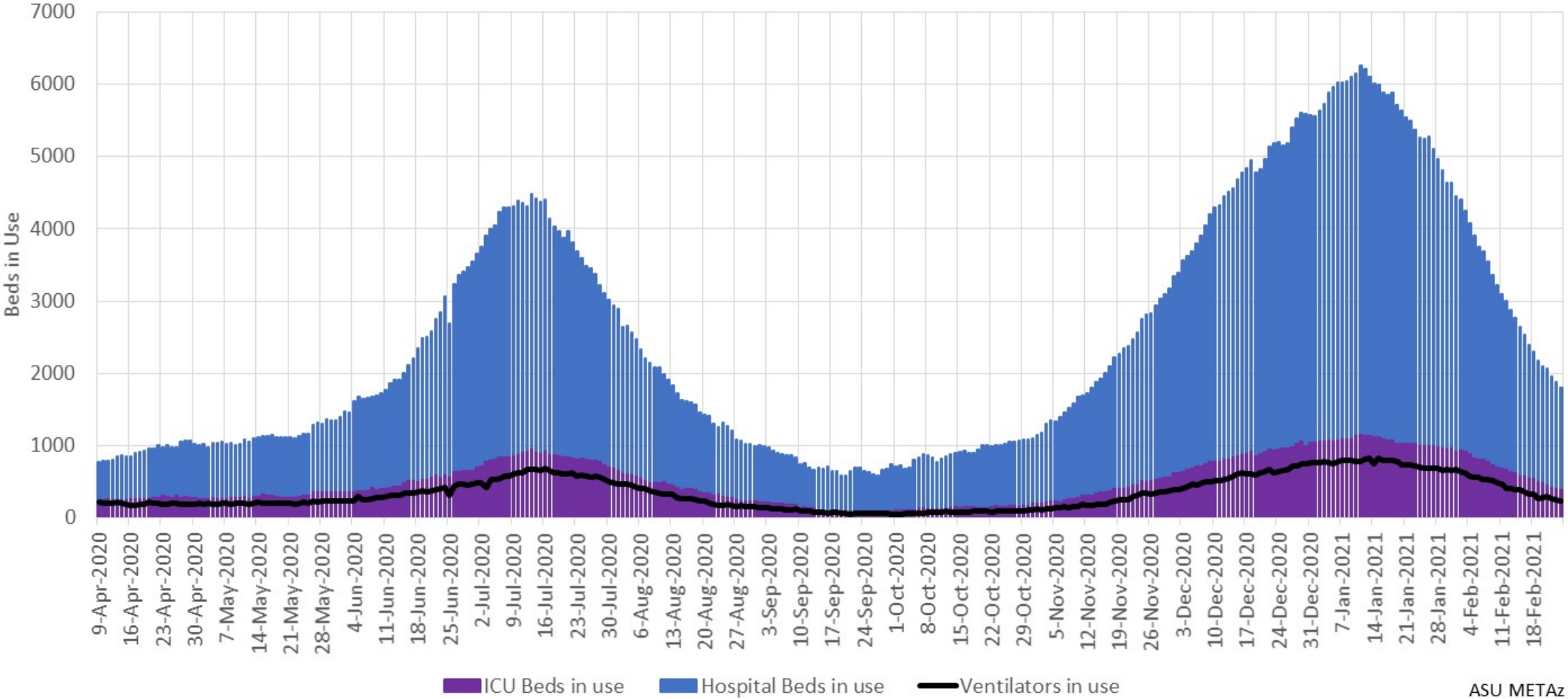




# Hospital Usage

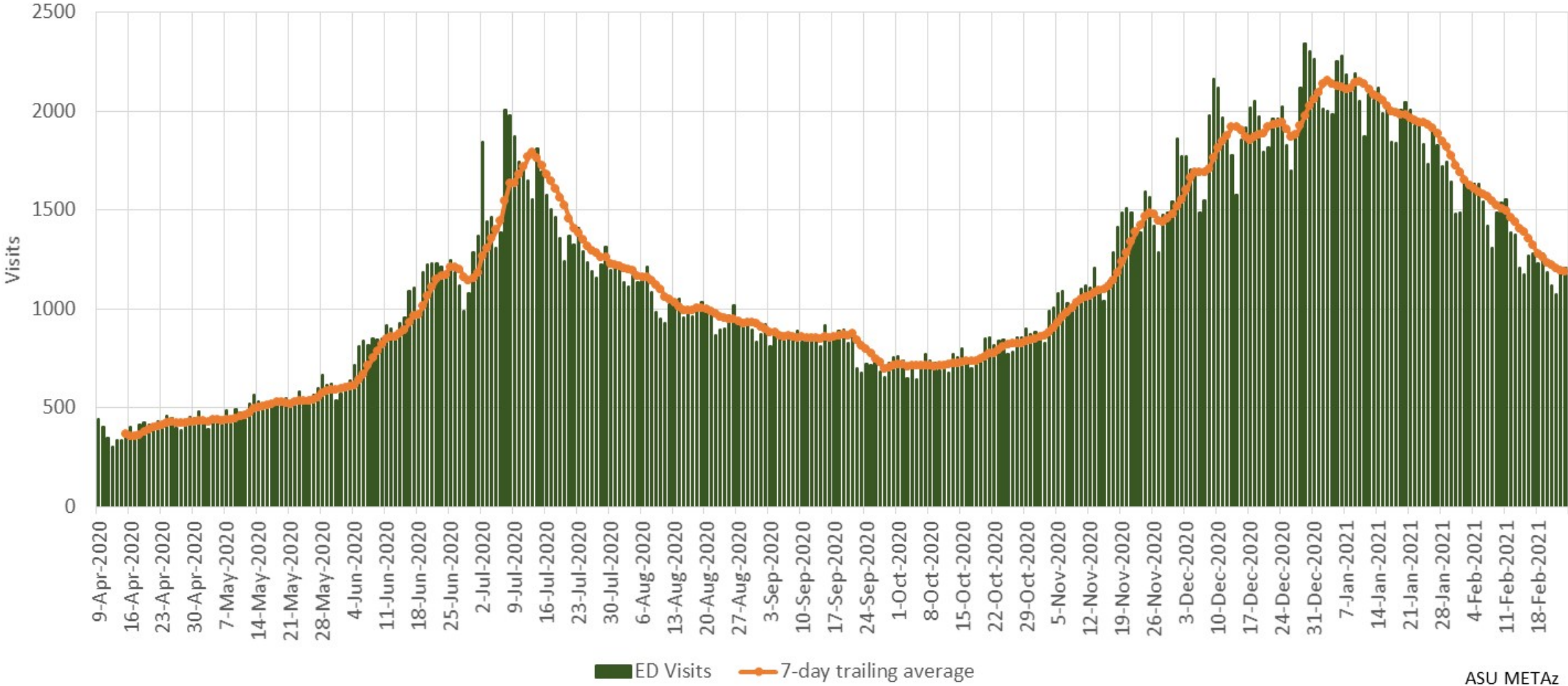


# Arizona Statewide COVID-19 Hospital Resource Utilization



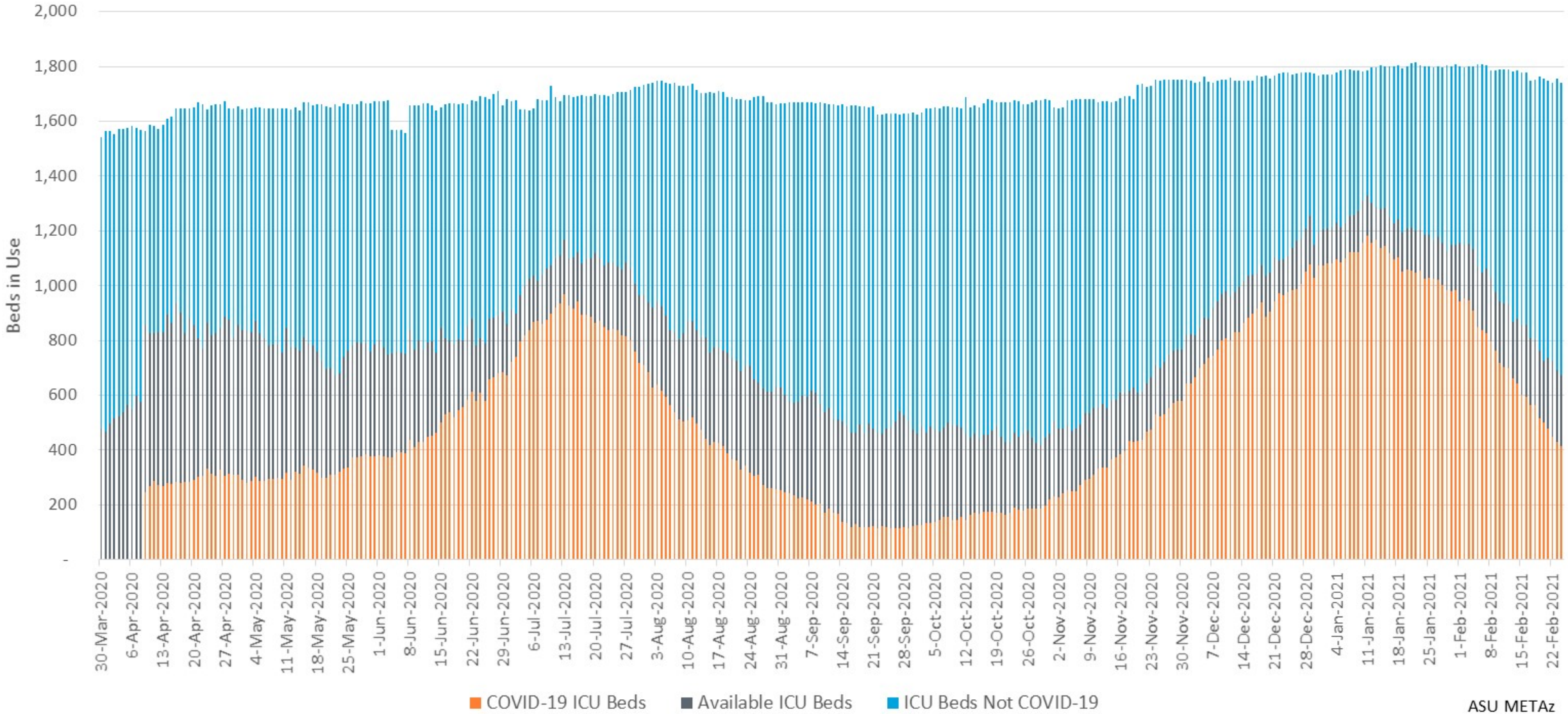
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### Arizona Statewide COVID-19 Emergency Department Visits



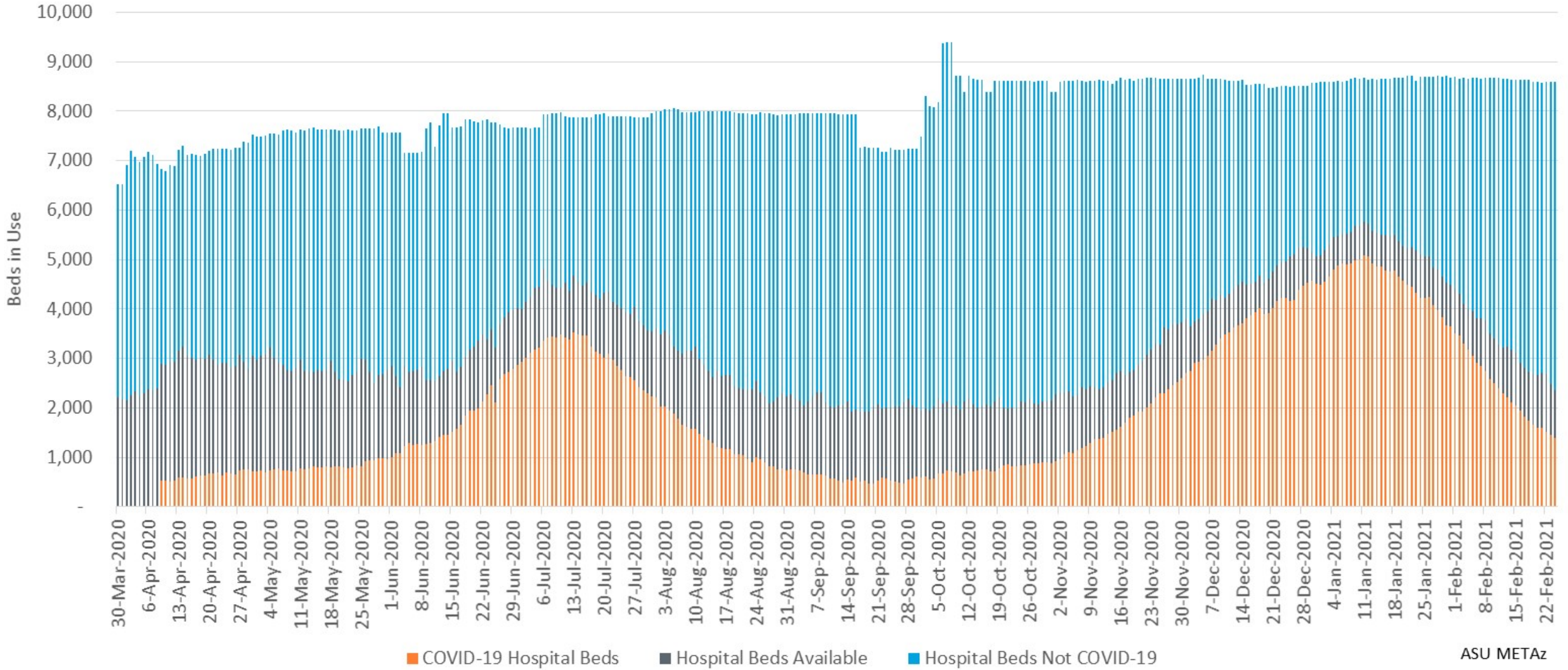
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# Arizona Statewide ICU Bed Usage



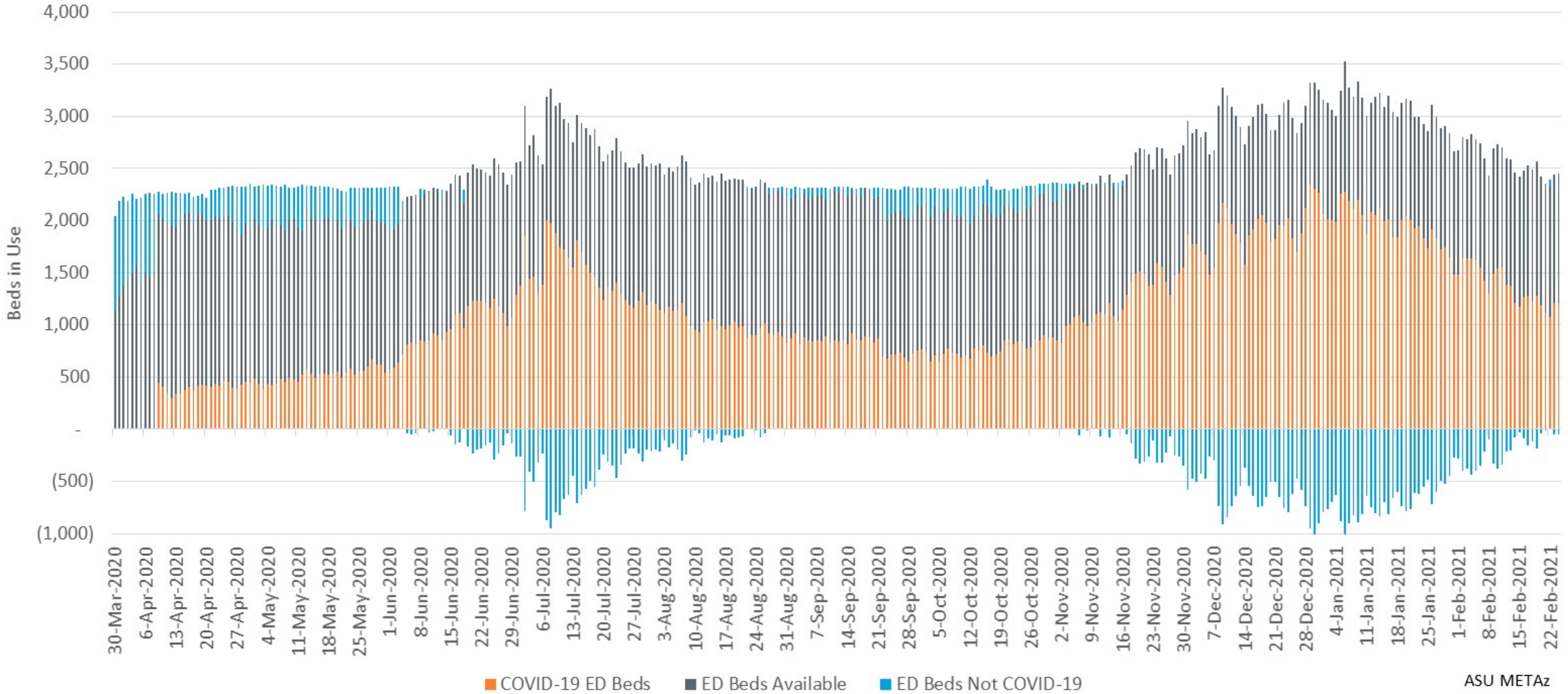
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# Arizona Statewide Inpatient Bed Usage



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# Arizona Statewide ED Bed Usage



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