



# COVID Epidemiology Situation Update

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**April 15, 2021**

# Summary

April 15, 2021				
	Statewide		Maricopa	
	Reported Today	Cumulative	Reported Today	Cumulative
<b>Cases</b>	460	851,725	251	529,722
<b>PCR Tests</b>	7,820	4,145,905	4,552	2,475,973
<b>% Positive</b>	5.9%	20.5%	5.5%	14.2%
<b>Hospitalizations</b>	116	59,566	54	36,718
<b>Deaths</b>	14	17,123	9	9,750

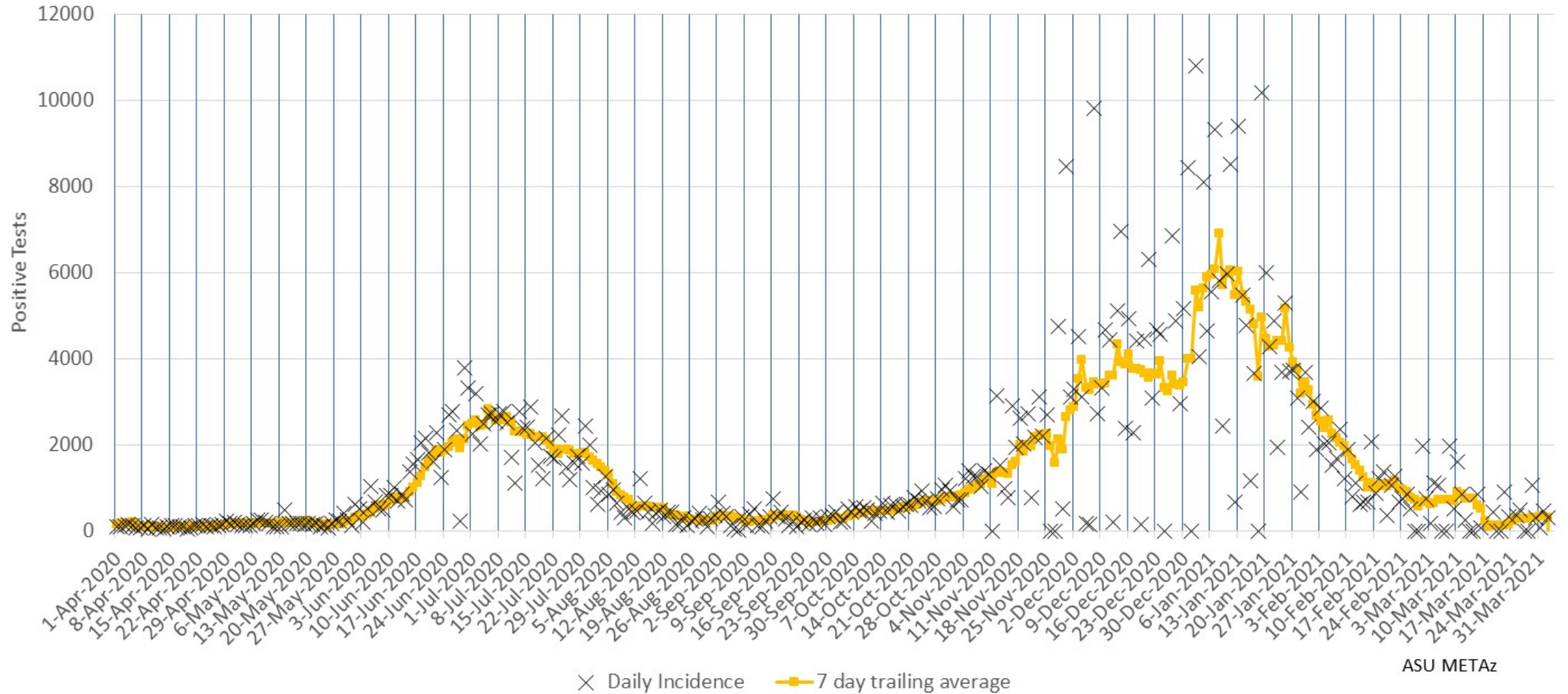
*All data pulled from azdhs.gov. Numbers may not match Maricopa county data.*

- Today's reported statewide case count is 460 with 251 cases in Maricopa County (54%), slightly less than population distribution.
- The 7-day average for reported cases has fallen slightly and is now 689.
- 7-day average percent positive remains above 10%, despite today's lower number of new cases.
- COVID utilization has slightly increased for all types of hospital beds.
- Bed usage for COVID-19 is 7% of inpatient beds and 9% of ICU beds statewide. Current hospital utilization is 88% for inpatient beds and 86% for ICU beds including COVID and non-COVID utilization.
- Reported death rates in Maricopa County are increasing slightly in the last week.
- Hospital mortality is level at 28.8%. Overall case mortality remains stable. COVID-19 remains the leading cause of death in Arizona in a 12-month period.

# Maricopa County Analysis



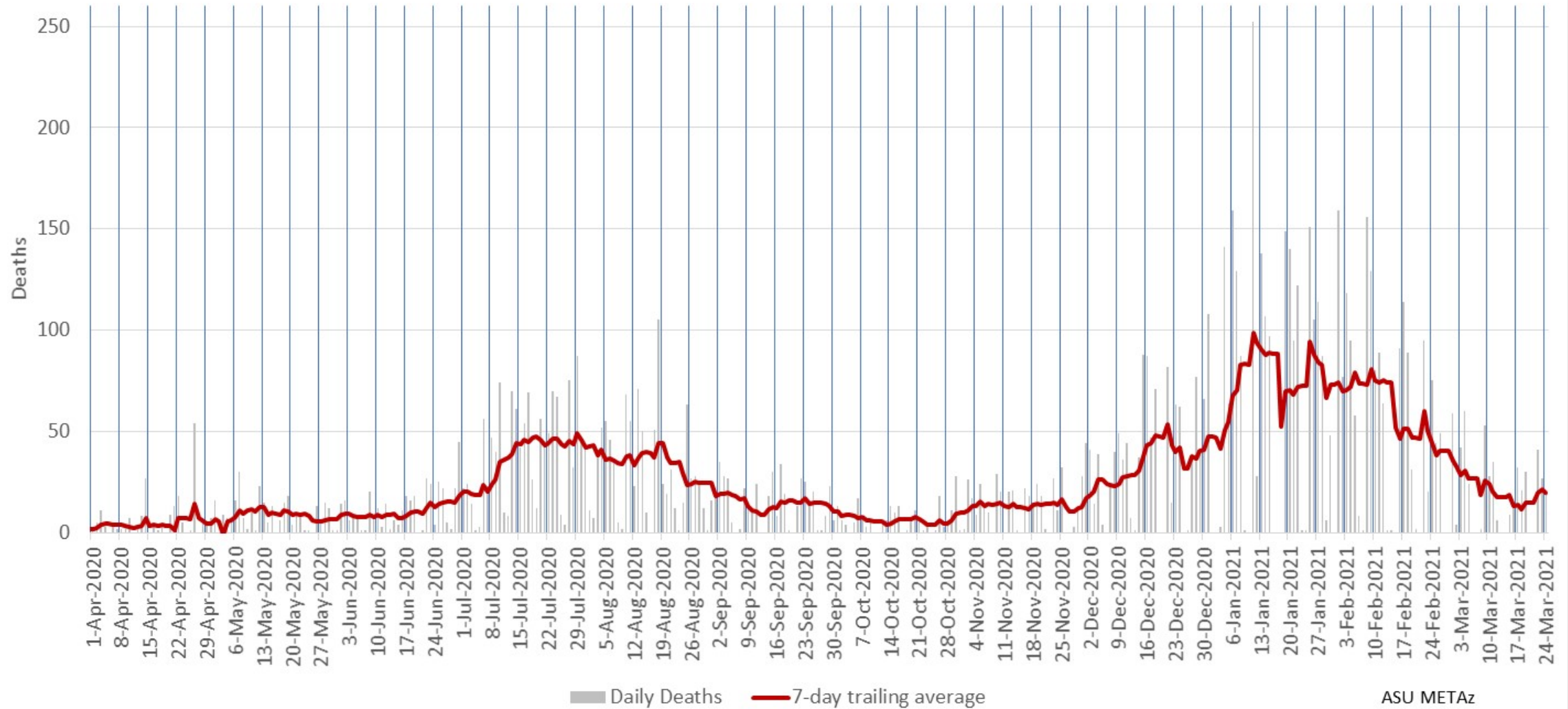
### Maricopa County Daily COVID-19 Positive Tests Results Reported (confirmed incidence)



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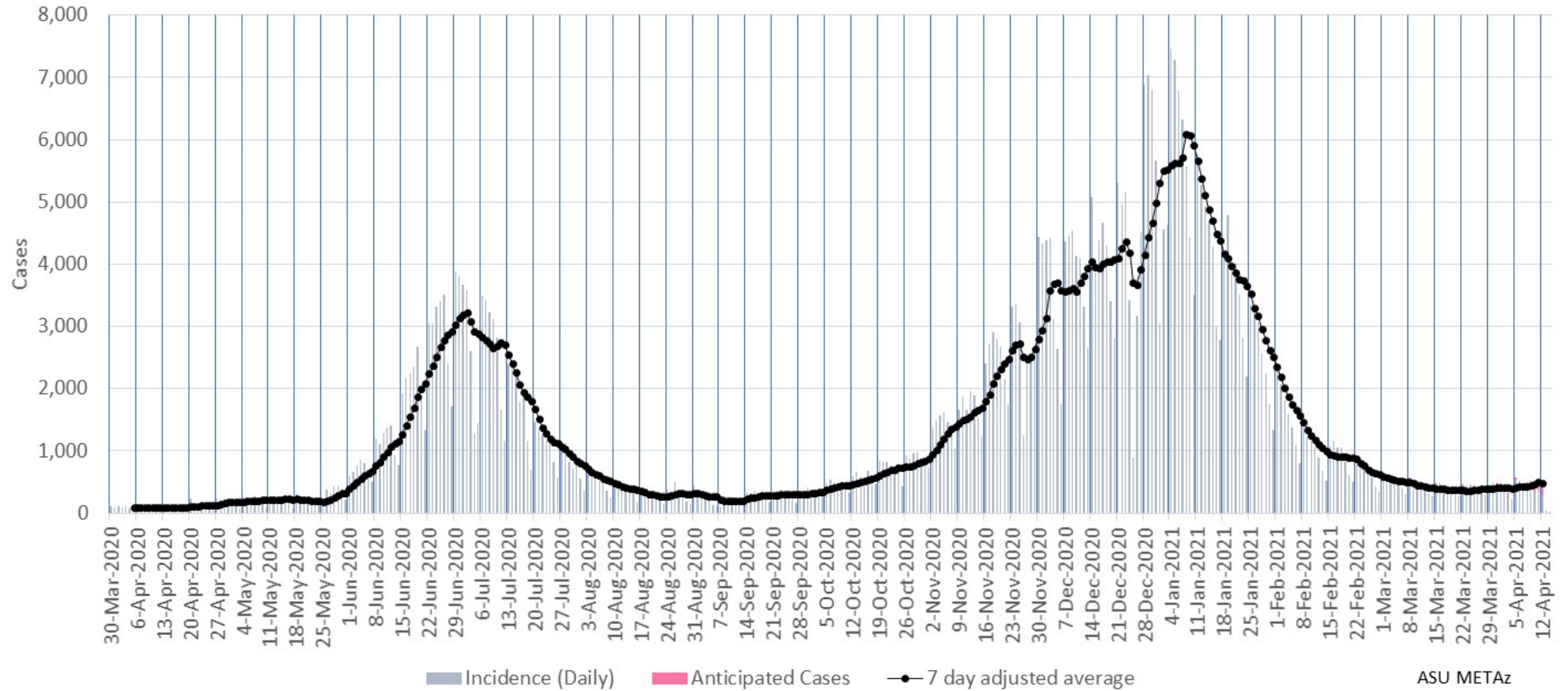
Due to the holidays, multiple days of data were held (Nov 11, 26 & 27; December 25, January 1 & 18) and reported on the next business day.

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



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

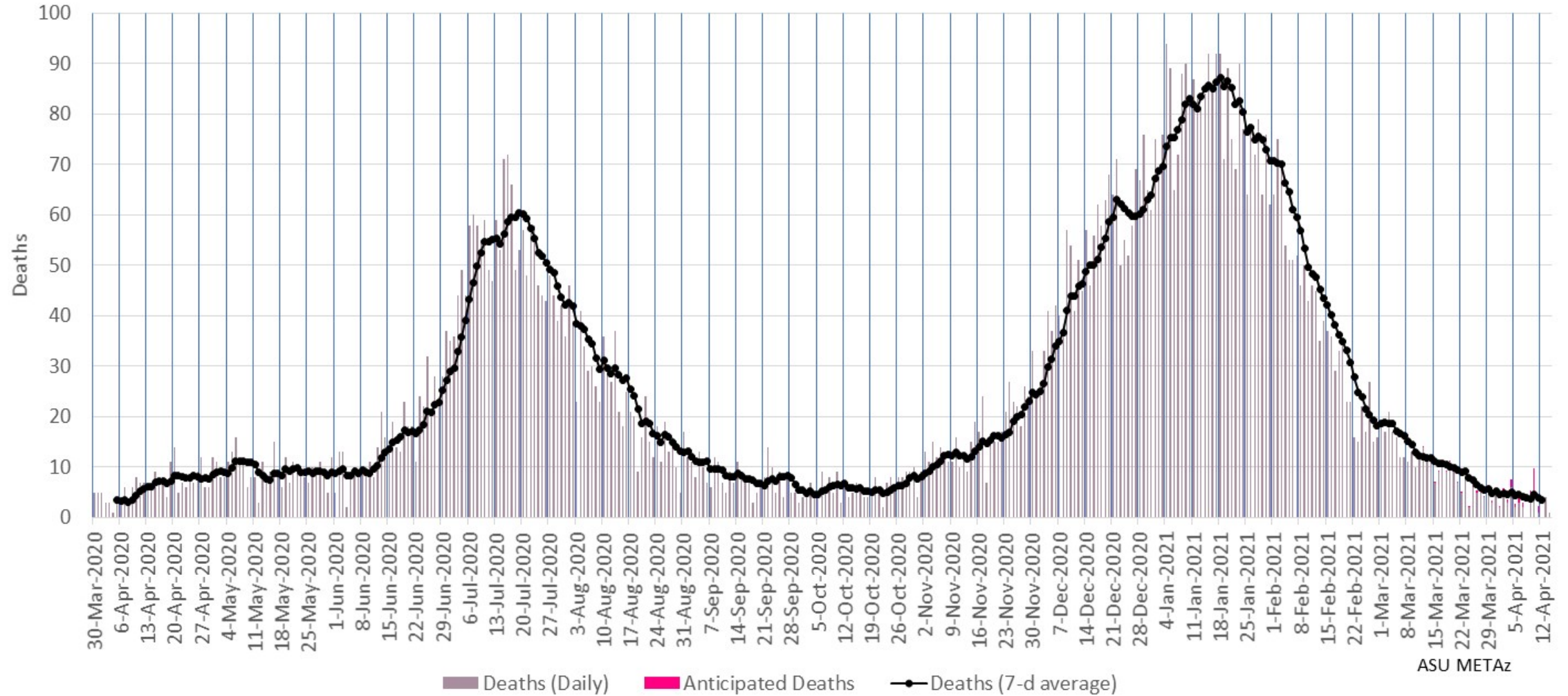
### Maricopa County Daily COVID-19 Cases by Date of Sample Collection (Epi Curve)



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



# Arizona Statewide Analysis

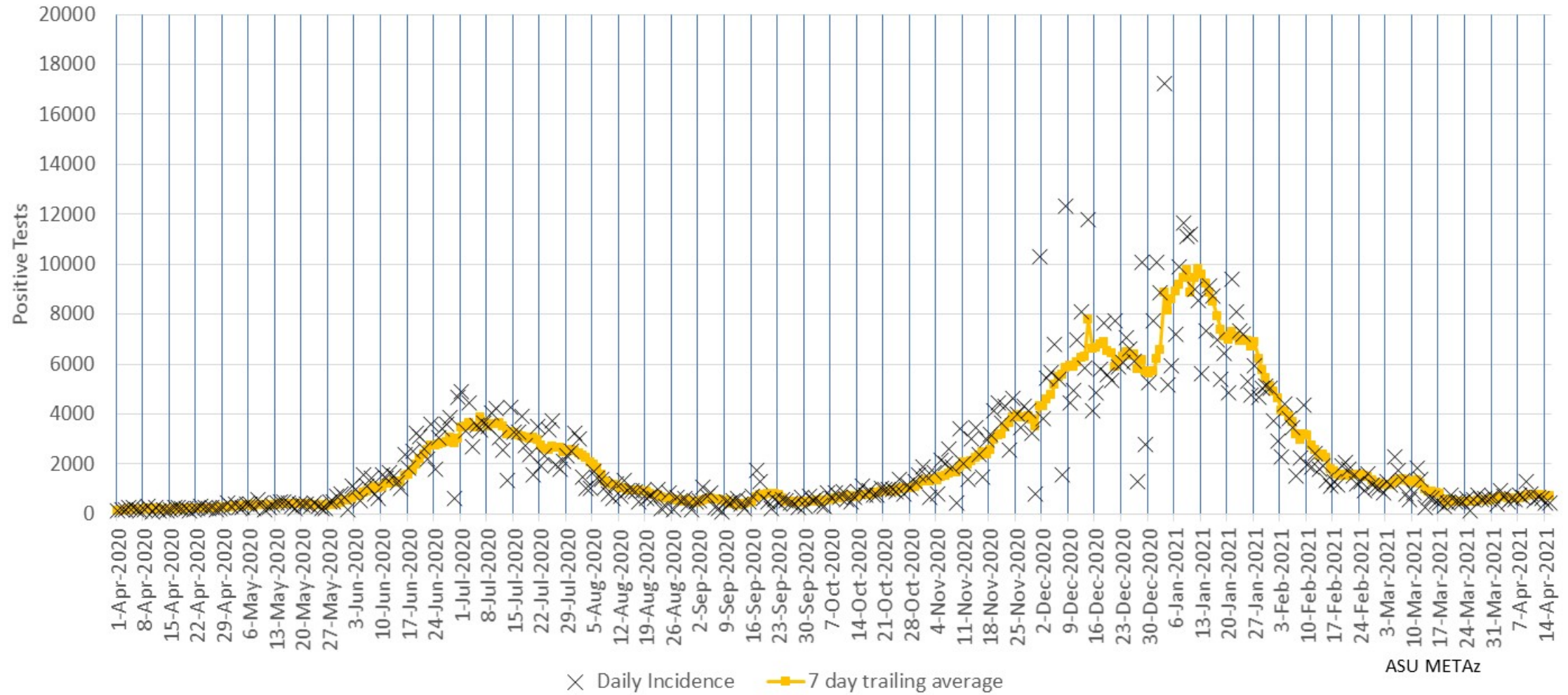




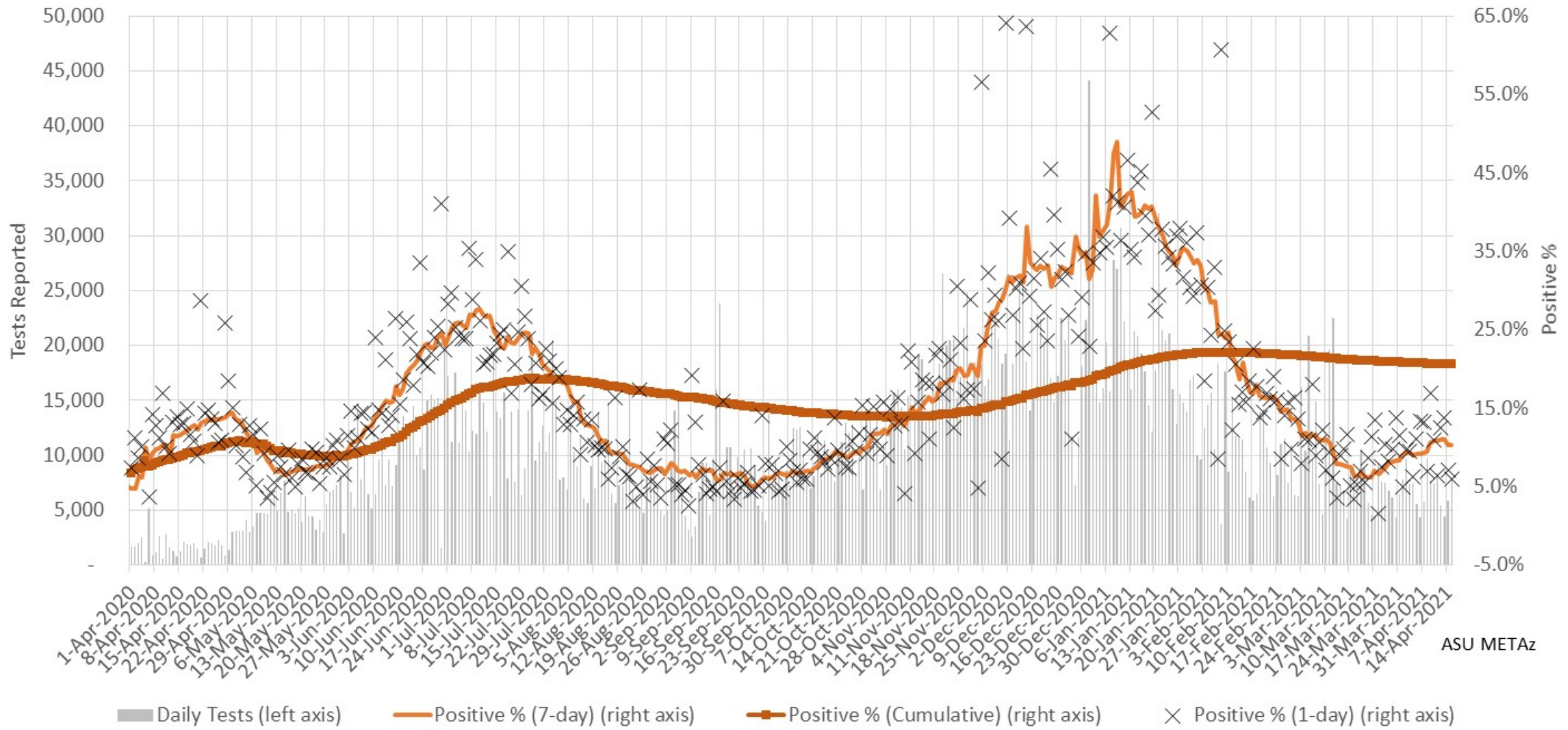
# Epidemiology



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

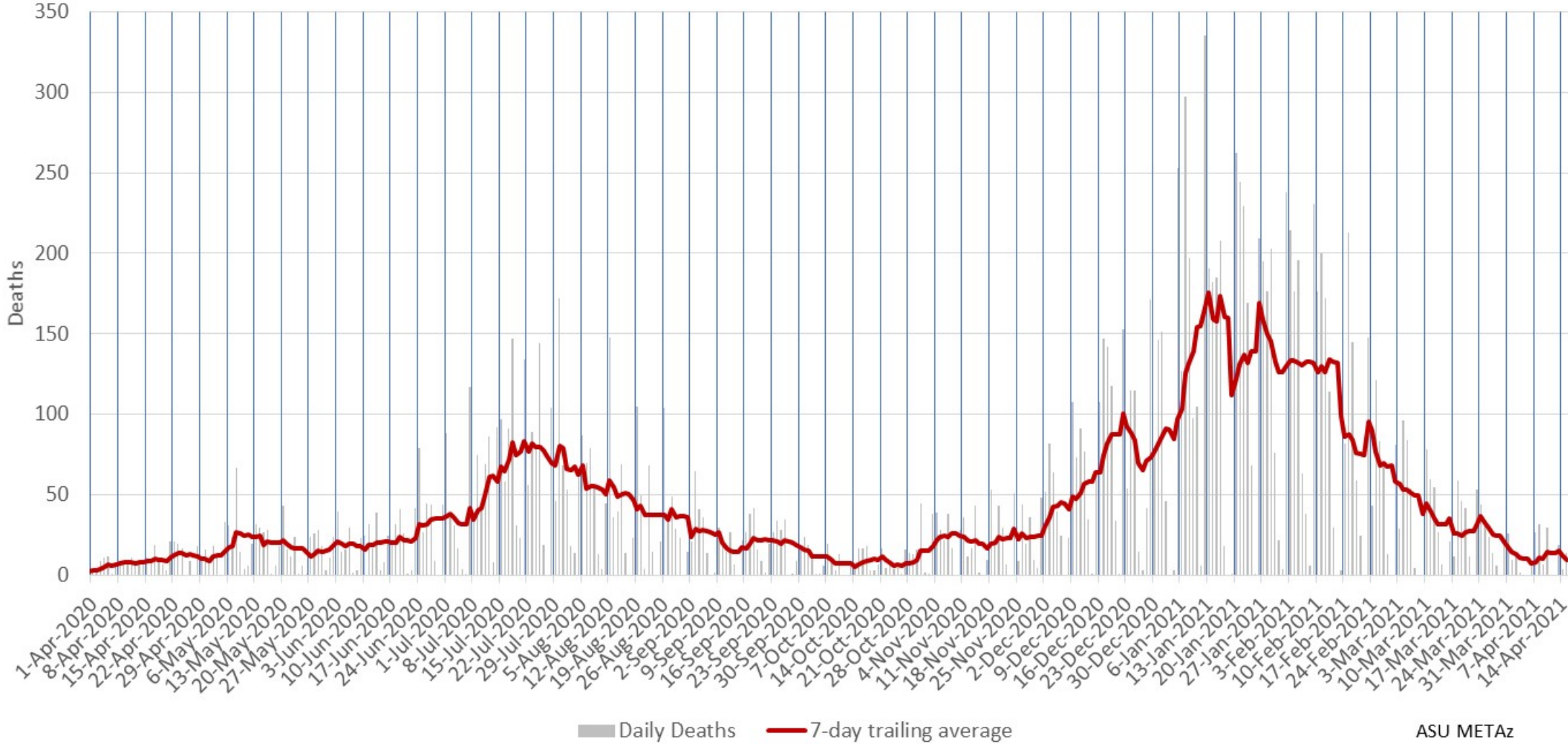


### Arizona Statewide Rolling weekly positive COVID-19 test rate



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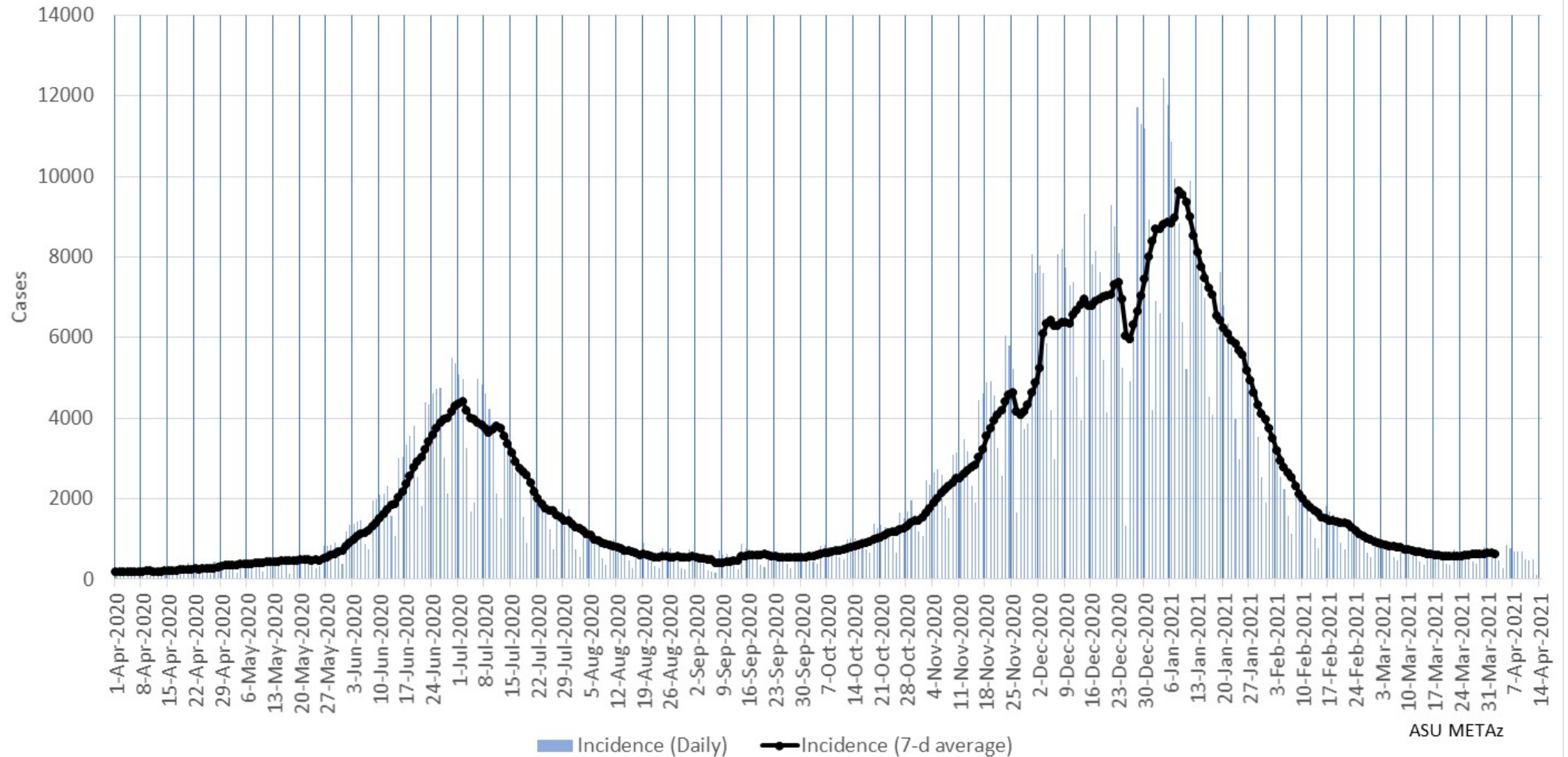
Arizona Statewide Daily COVID-19 Deaths (by date of reporting)



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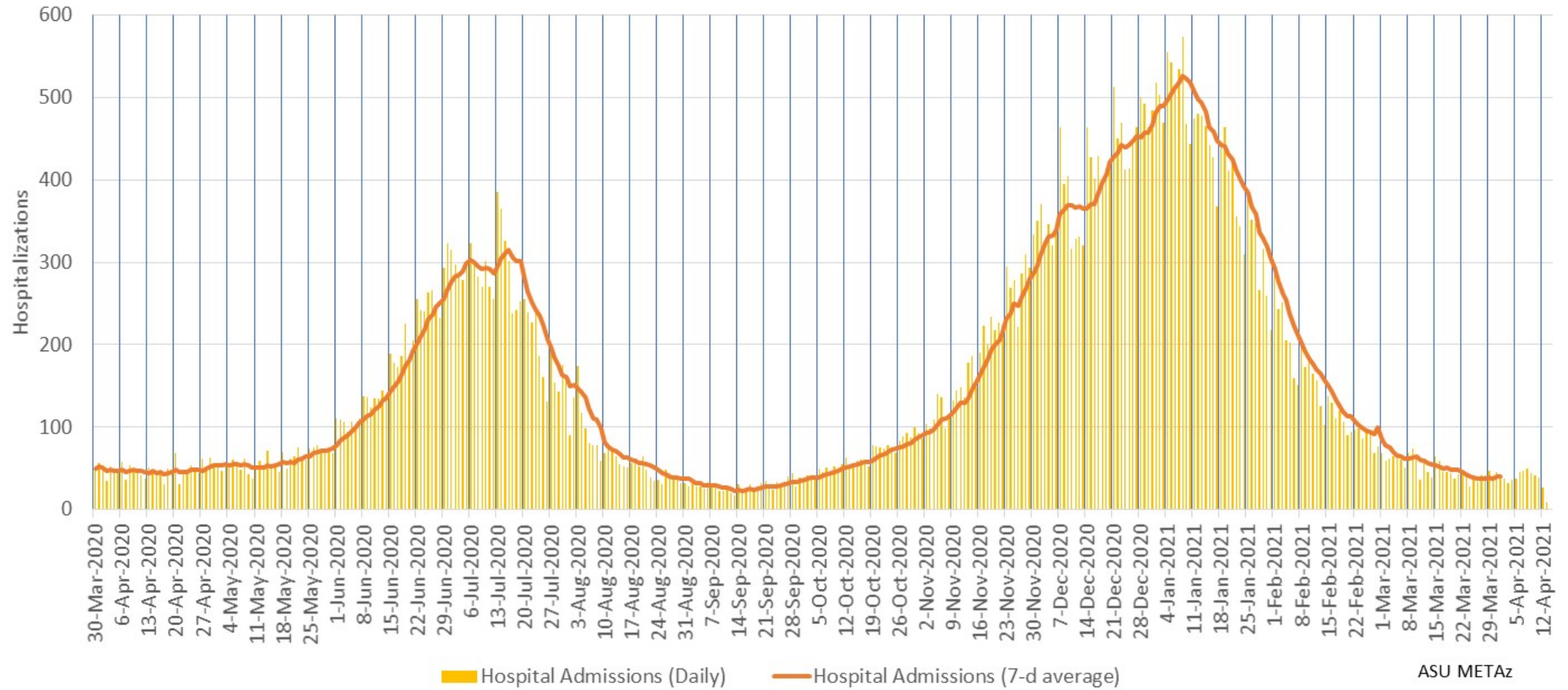


Arizona Statewide Daily COVID-19 Cases by Date of Sample Collection  
(Epi Curve)



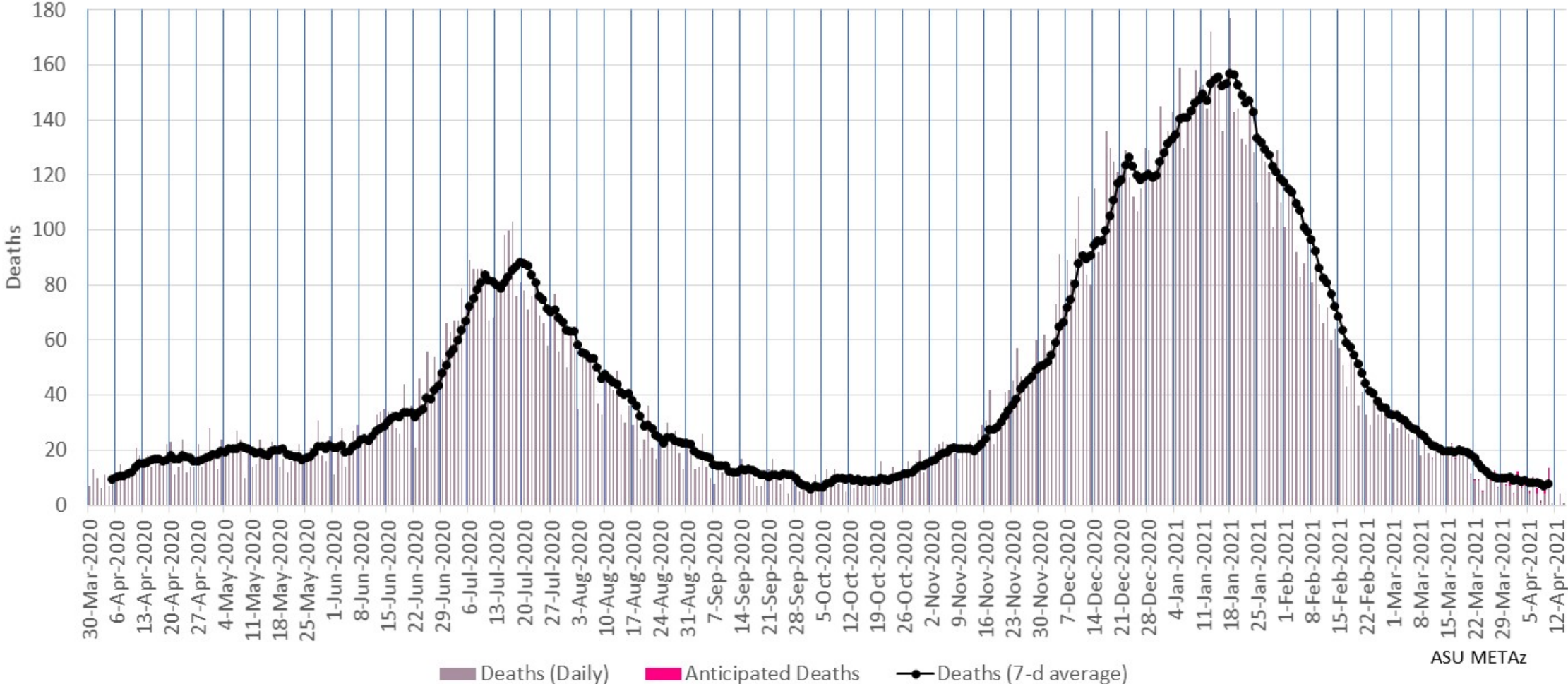
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### Arizona Statewide Daily COVID-19 Hospitalizations by Date of Hospitalization (Epi Curve)



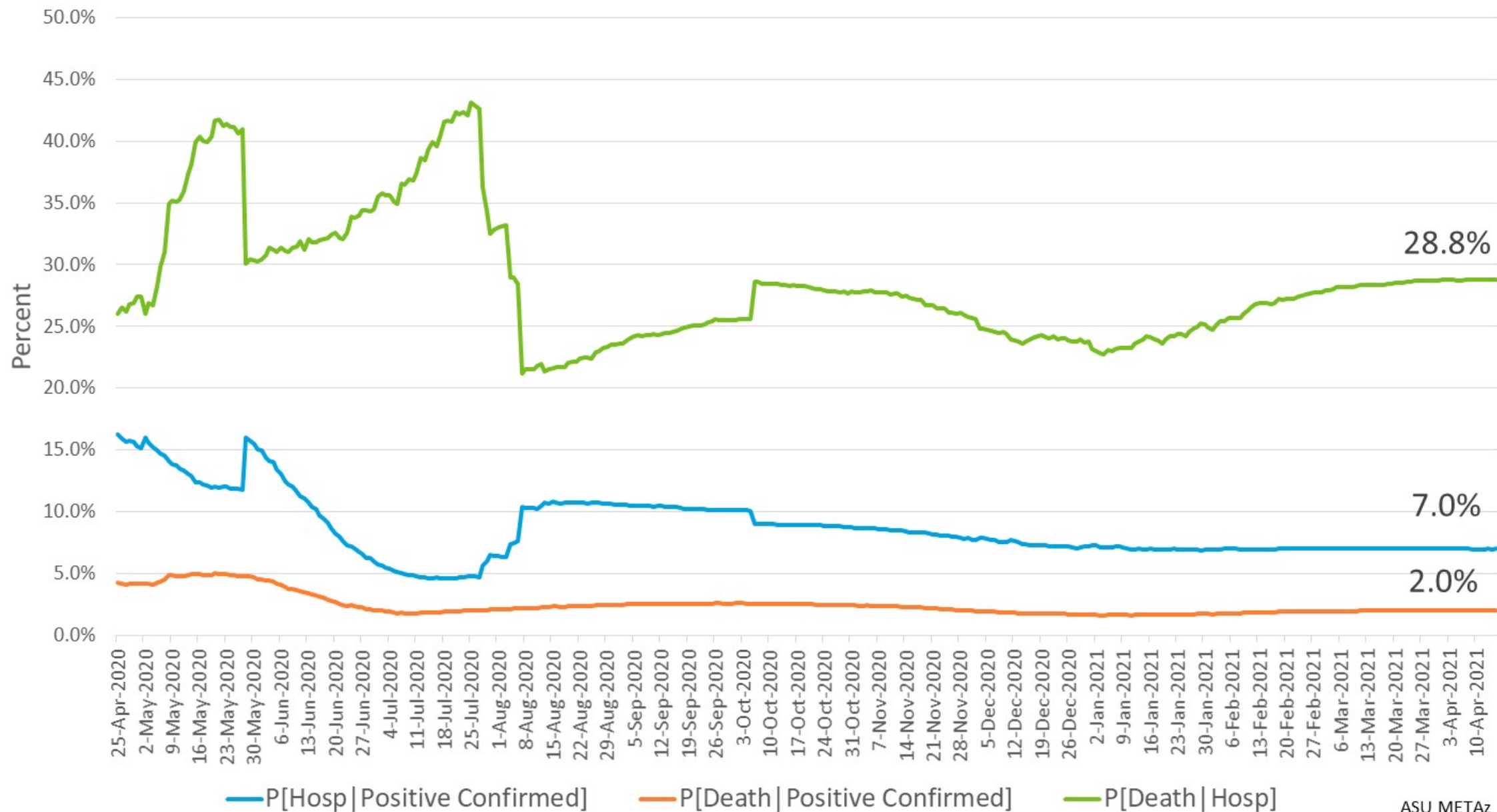
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### Arizona Statewide Daily COVID-19 Deaths by Date of Death (Epi Curve)





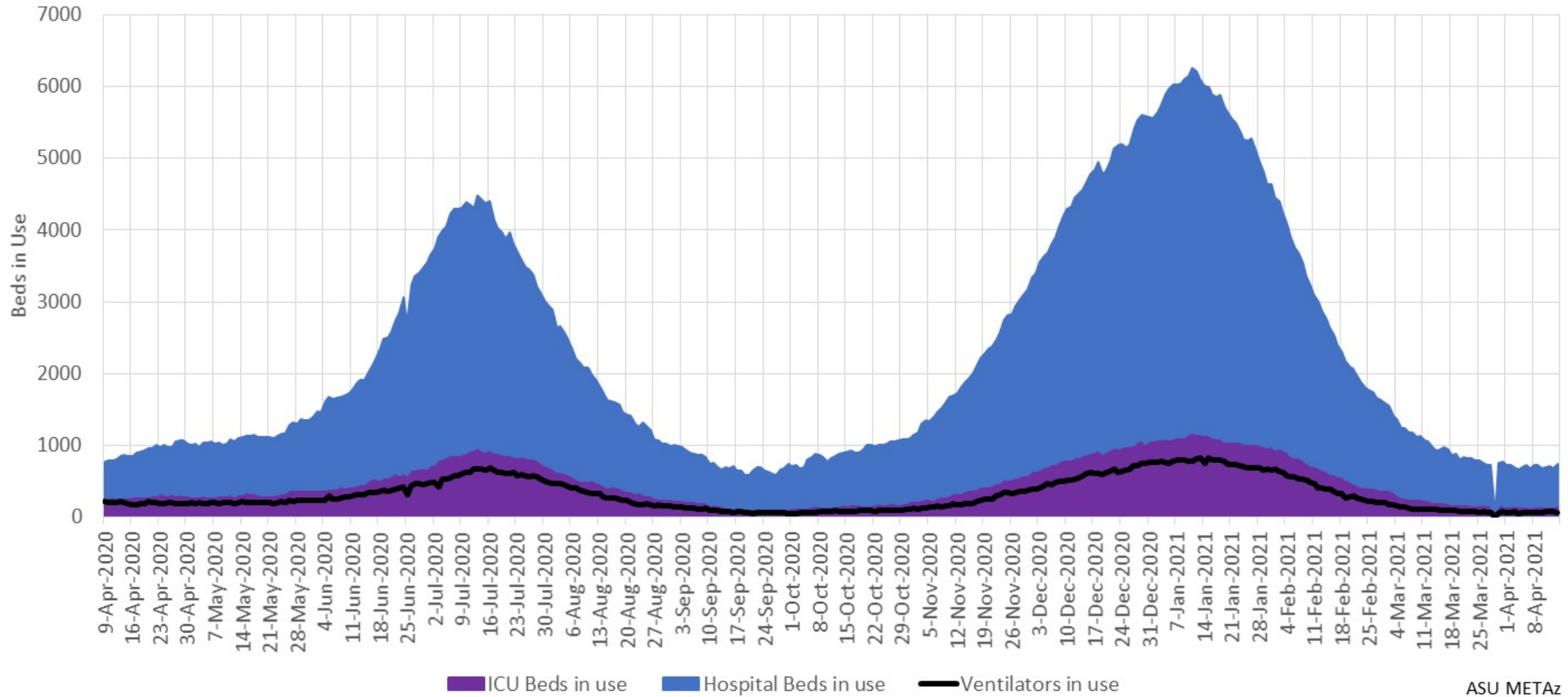
# Arizona Statewide Case Fatality and Hospitalization Rates



# Hospital Usage

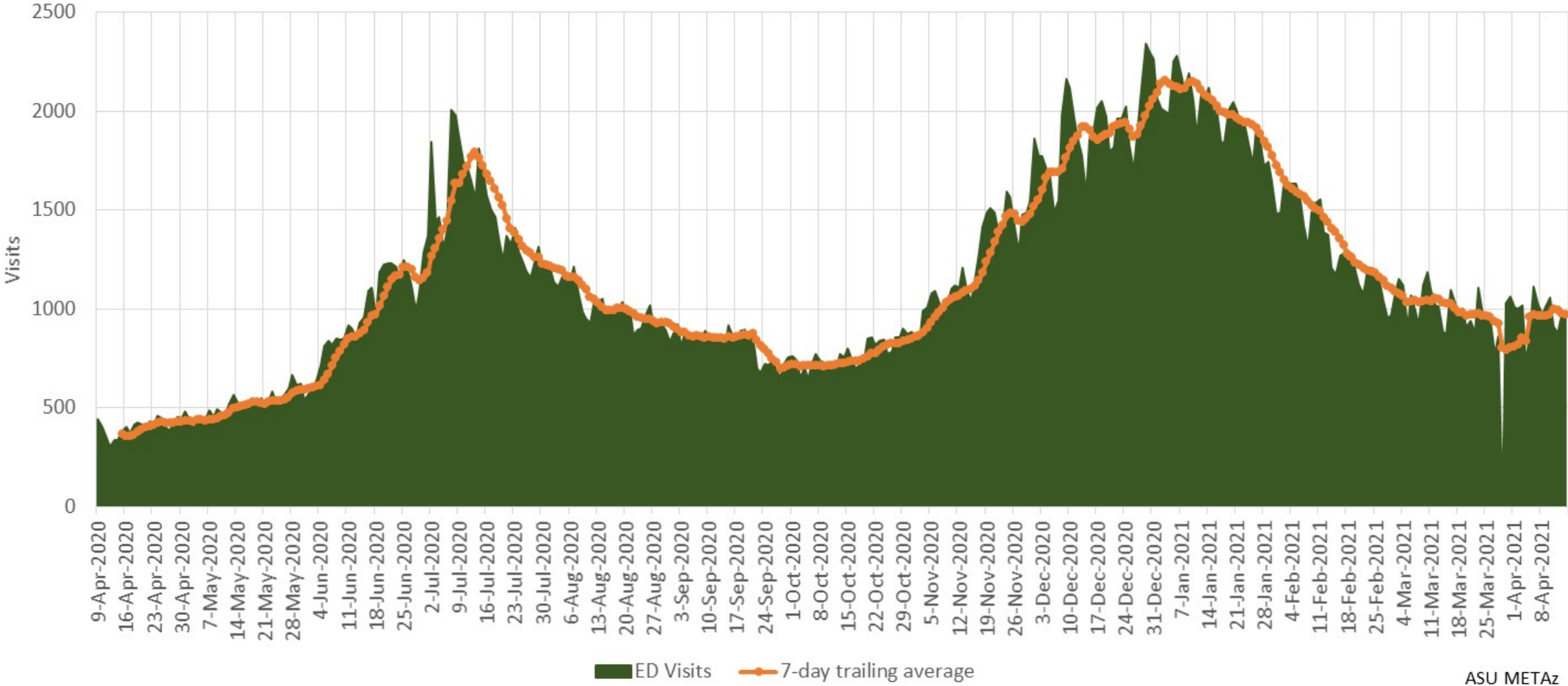


## Arizona Statewide COVID-19 Hospital Resource Utilization



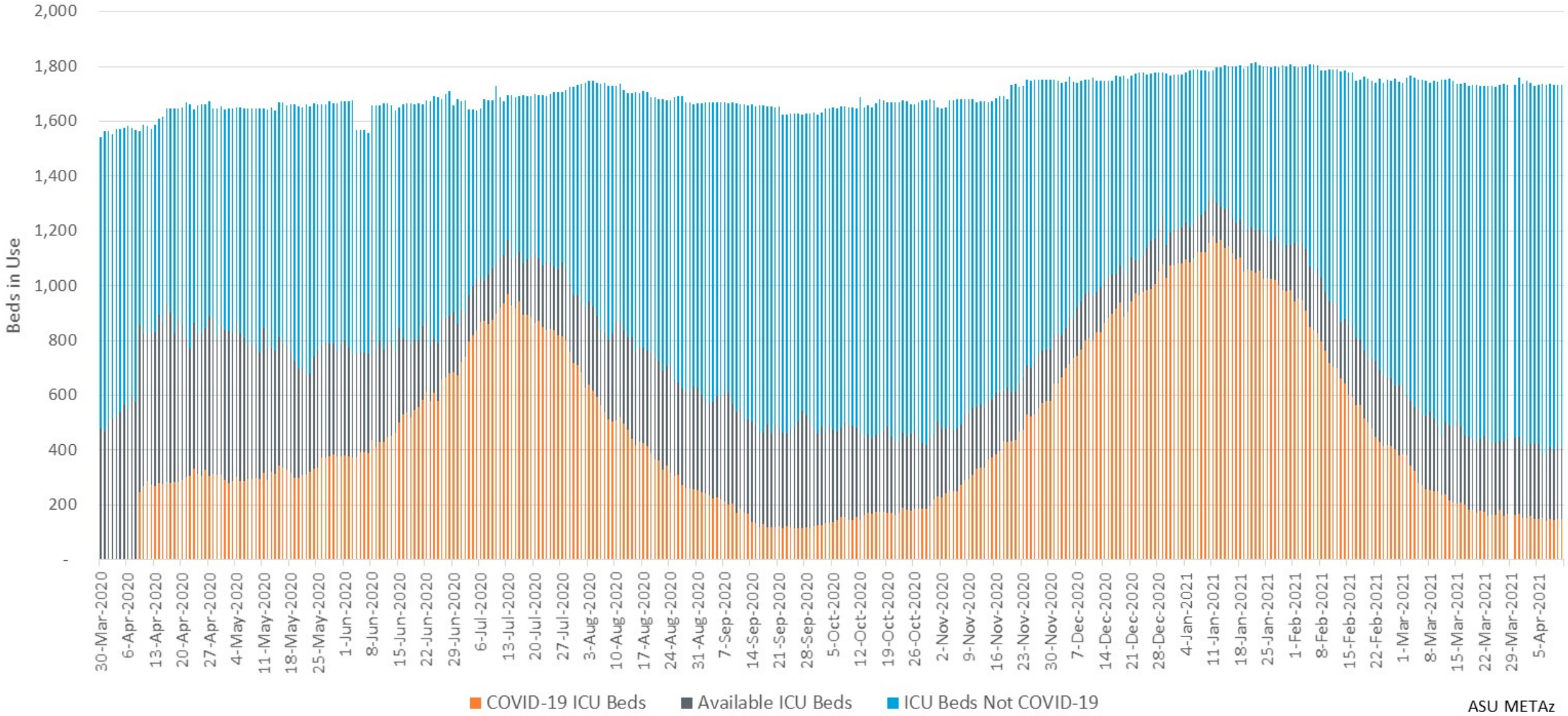
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# Arizona Statewide COVID-19 Emergency Department Visits



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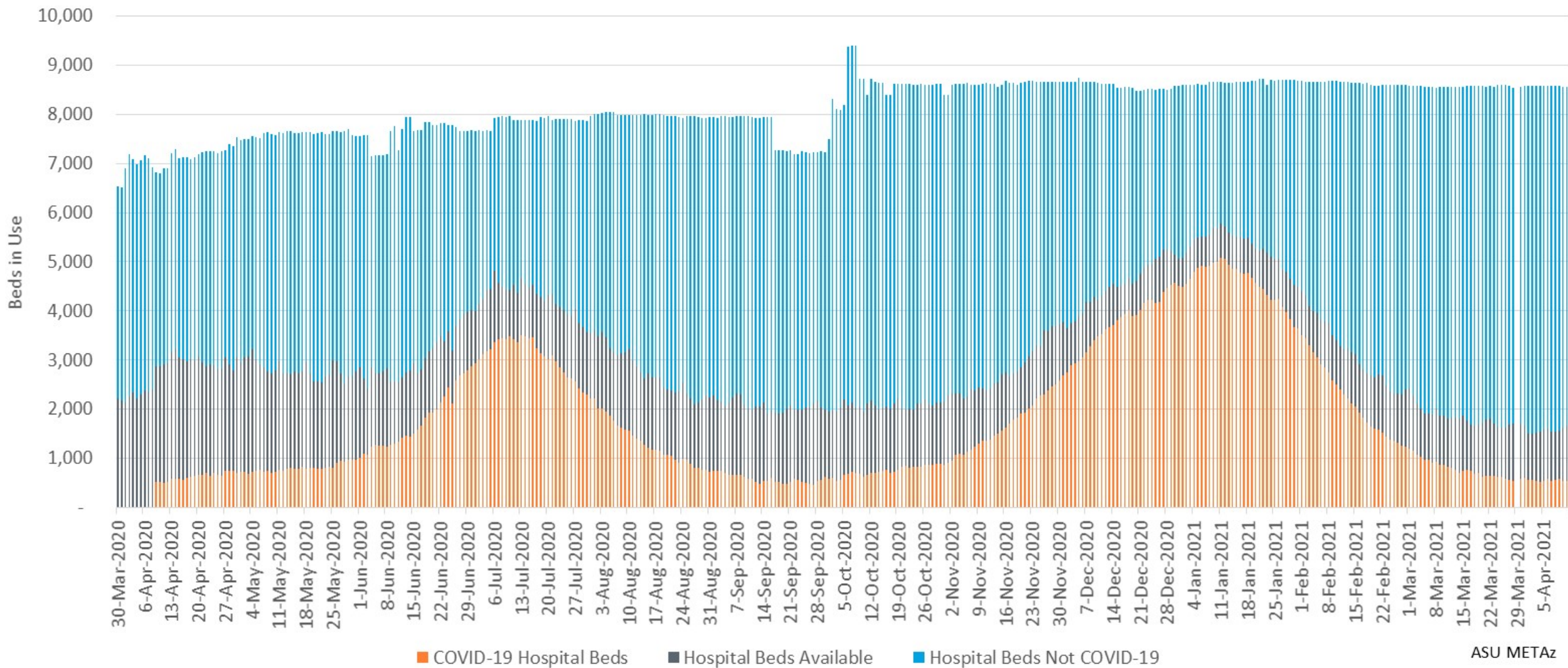
# Arizona Statewide ICU Bed Usage



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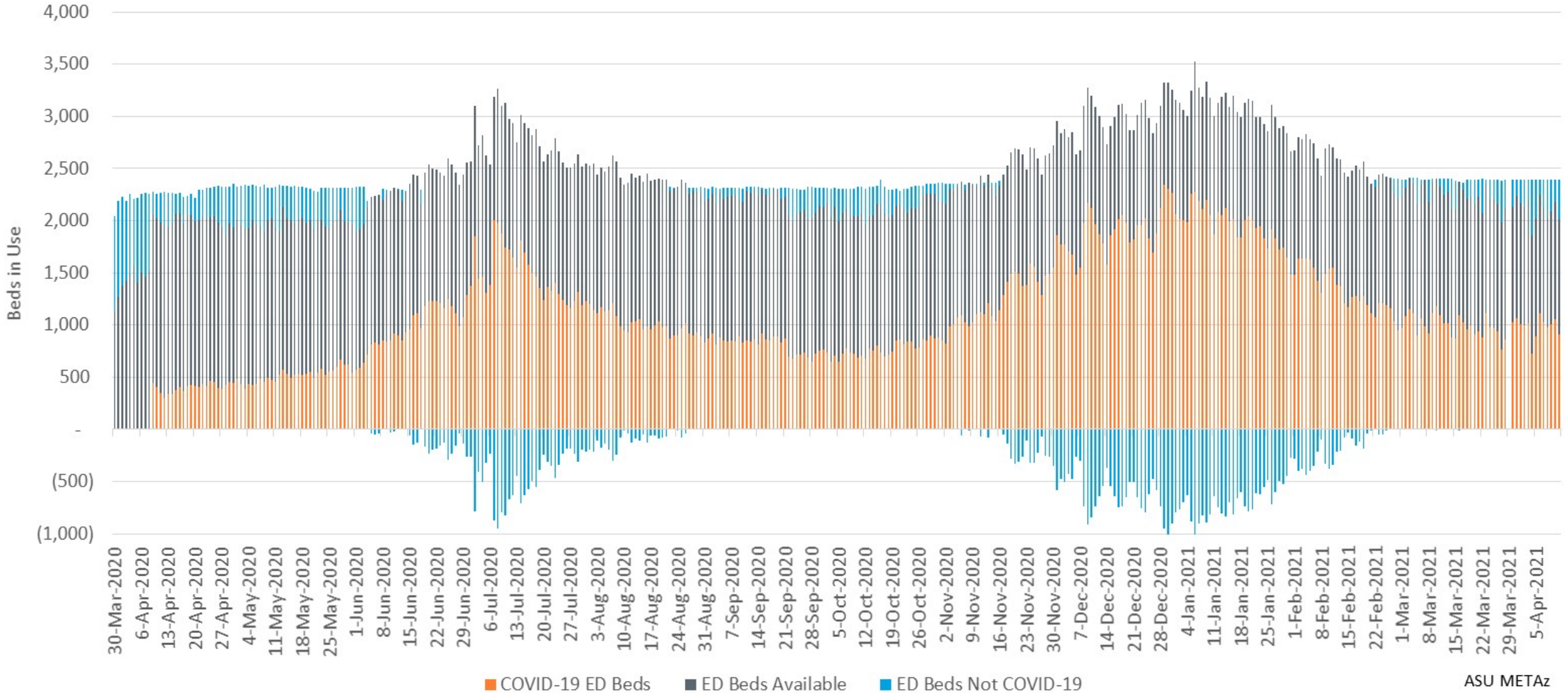


# Arizona Statewide Inpatient Bed Usage



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# Arizona Statewide ED Bed Usage



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