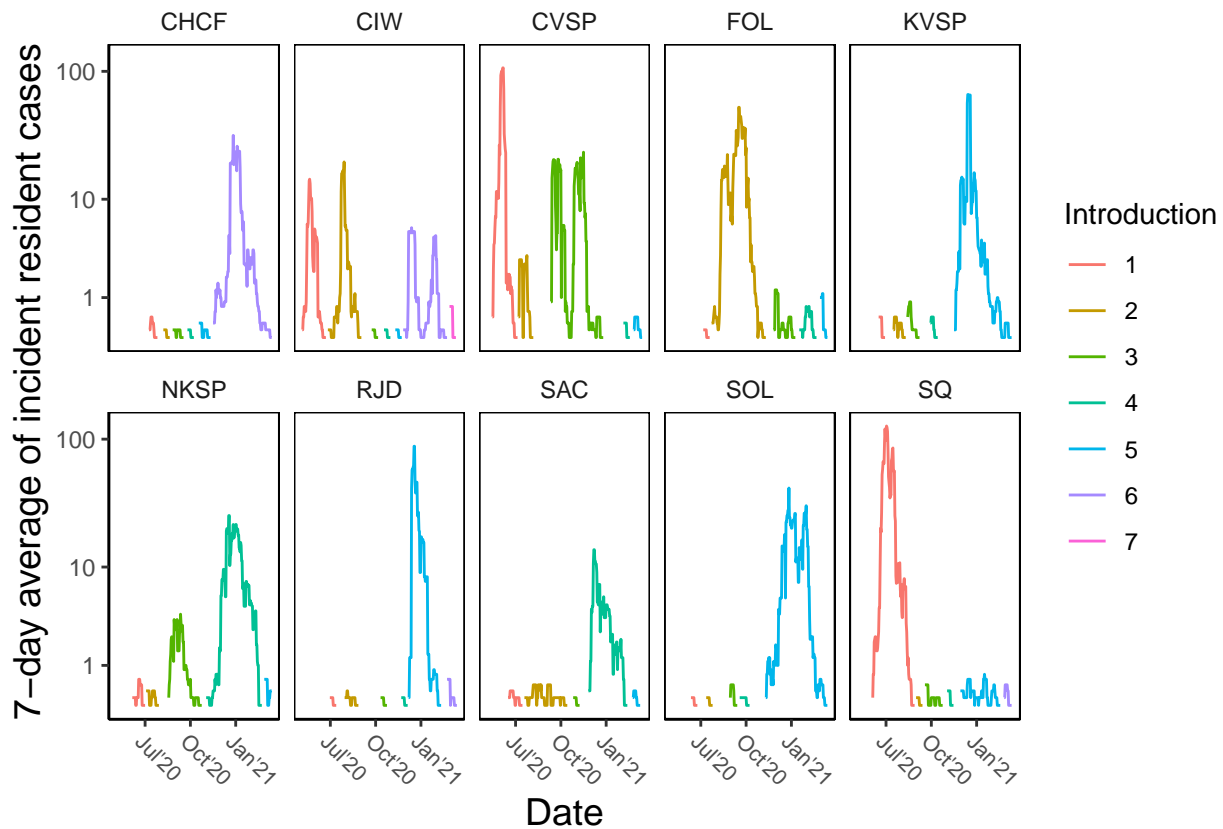


Prison metrics

Chris Hoover et al

4/26/2021

Cases following introductions



Occupancies

All facilities

Average occupancy across all prison facilities was 3378 as of 2020-04-01, but had decreased to 2694 as of 2021-03-10.

Facilities shown in figure (with at least five introductions)

Average occupancy across prison facilities with at least five introductions was 3253 as of 2020-04-01, but had decreased to 2505 as of 2021-03-10.

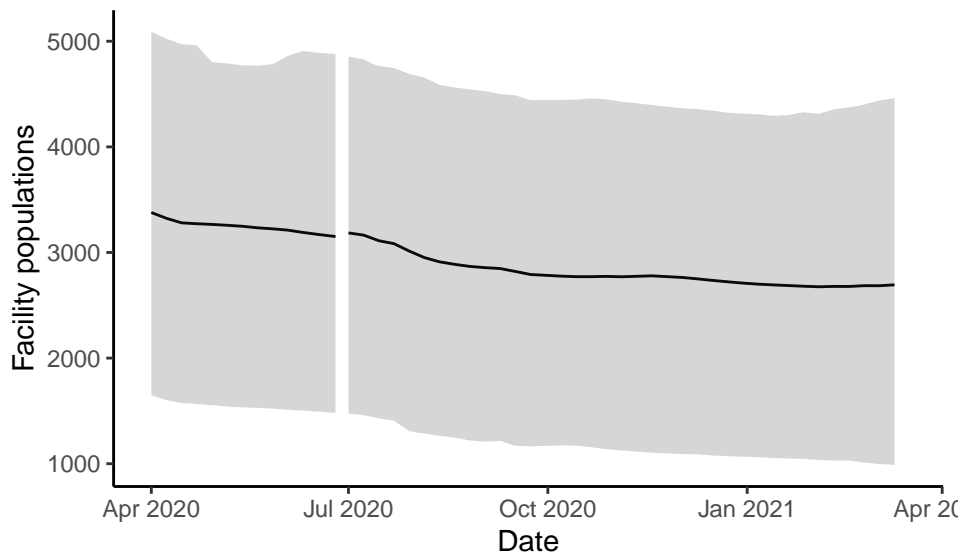


Figure 1: Mean facility population size across all California state prison facilities. Shaded region indicates max and min while solid line represents the mean.

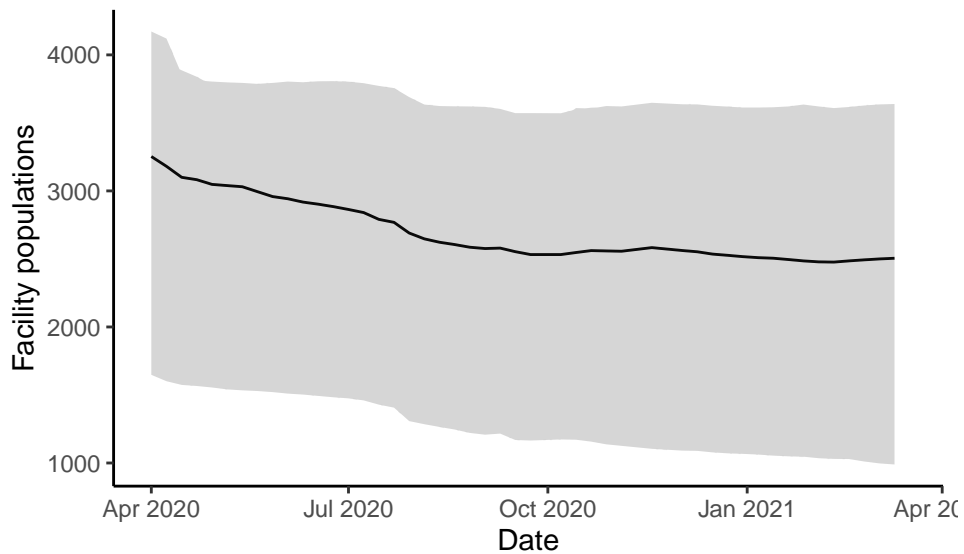


Figure 2: Mean facility population size across California state prison facilities with at least 5 introductions. Shaded region indicates max and min while solid line represents the mean.

Introduction rate

All facilities

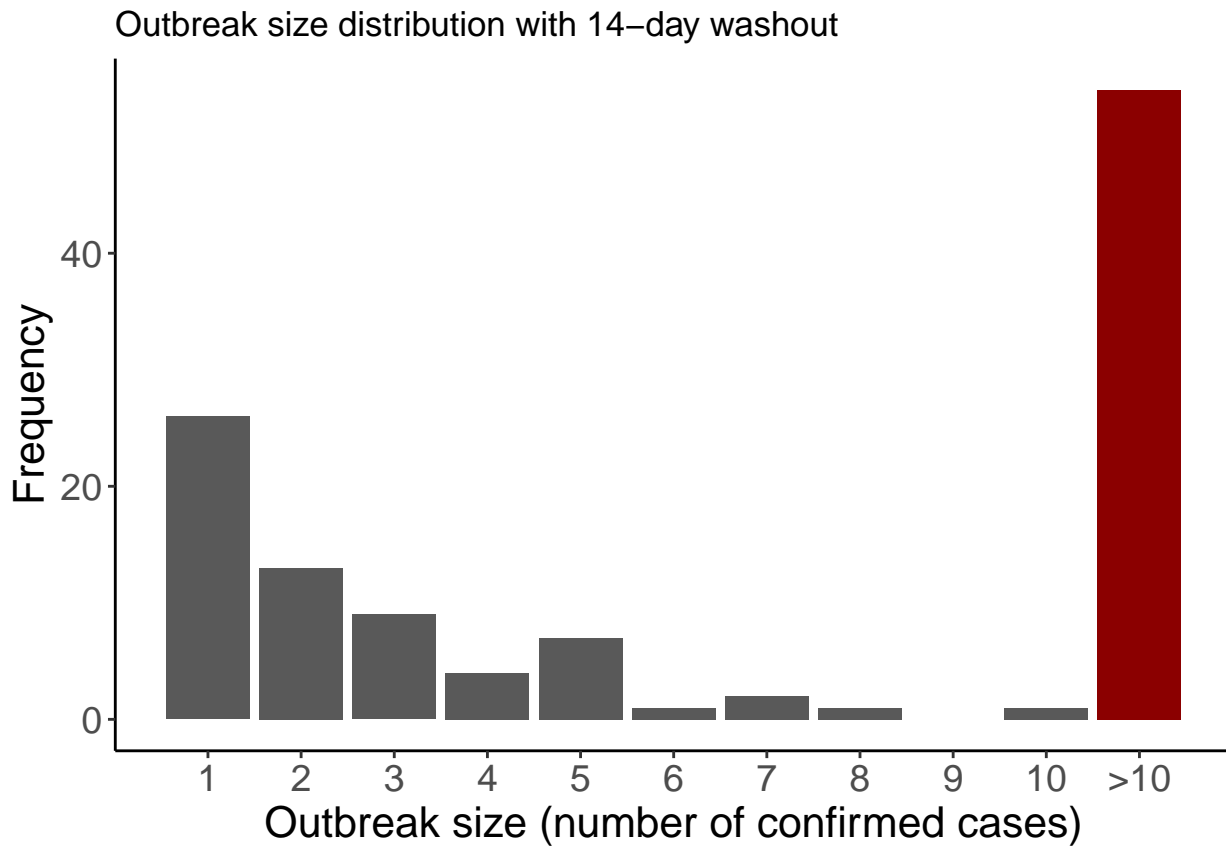
Across 349 days of observation of 34 facilities, there were 118 introductions, defined as a new resident case following a 14-day washout period with no resident cases, giving a rate of 0.01 introductions per facility per day.

Facilities shown in figure (with at least five introductions)

Across 349 days of observation of 10 facilities, there were 55 introductions, defined as a new resident case following a 14-day washout period with no resident cases, giving a rate of 0.016 introductions per facility per day.

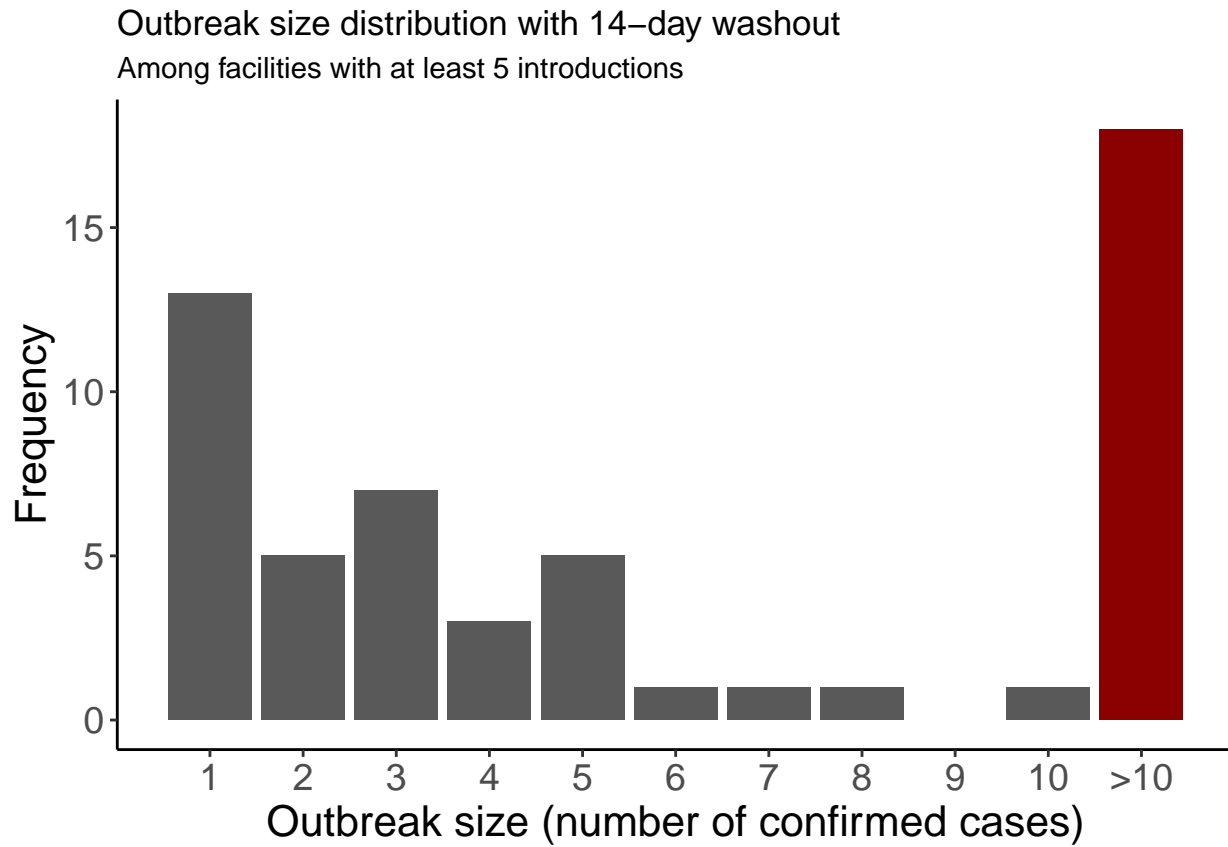
Outbreak rate

All facilities



Facilities shown in figure (with at least five introductions)

Of 118 introductions, 26 (22%) resulted in no onward transmission and 54 (46%) resulted in outbreaks of more than ten resident cases.



Of 55 introductions, 13 (24%) resulted in no onward transmission and 18 (33%) resulted in outbreaks of more than ten resident cases.