



Monthly Report on COVID-19 Outbreaks in Nursing Homes and Community Hospitals 31/01/2024



Health Protection Surveillance Centre

HE Dates to note

- Week 10 2020 (1st to 7th March 2020): The beginning of the pandemic in Ireland
 - Week 40 2022 (2nd to 8th October 2022) to week 20 2023 (14th to 20th May 2023): The 2022/2023 winter respiratory season in Ireland
 - Week 40 2023 (1st to 7th October 2023): The beginning of the 2023/2024 winter respiratory season in Ireland
 - Week 4 2024 (21st to 27th January 2024)
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- Note: The epidemiological weeks in this report run from Sunday to Saturday, please refer to the surveillance resources on the HPSC website for a complete list of epidemiological weeks with start and end dates. <https://www.hpsc.ie/notifiablediseases/resources/epidemiologicalweeks/>

- The following report provides information on COVID-19 outbreaks/clusters notified on CIDR to midnight 27/01/2024 (week 4) and extracted from CIDR 10.30am on 29/01/2024.
- These data are provisional and subject to ongoing review, validation and update. As a result, data reported may not match data previously reported or outbreaks data reported in the future for the same time period. Furthermore, the number of linked cases is based on the number of linked cases at the time of extraction from CIDR and an outbreak may increase in size since the time of extraction due to more cases occurring or more information becoming available on CIDR.
- **Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in this report, particularly under the current challenging circumstances.** This includes the HSE COVID-19 Contact Management Programme (CMP), staff in ICU units, notifying clinicians, laboratory staff, Public Health doctors, Nurses, Surveillance Scientists, Epidemiologists, Microbiologists and Administrative staff.

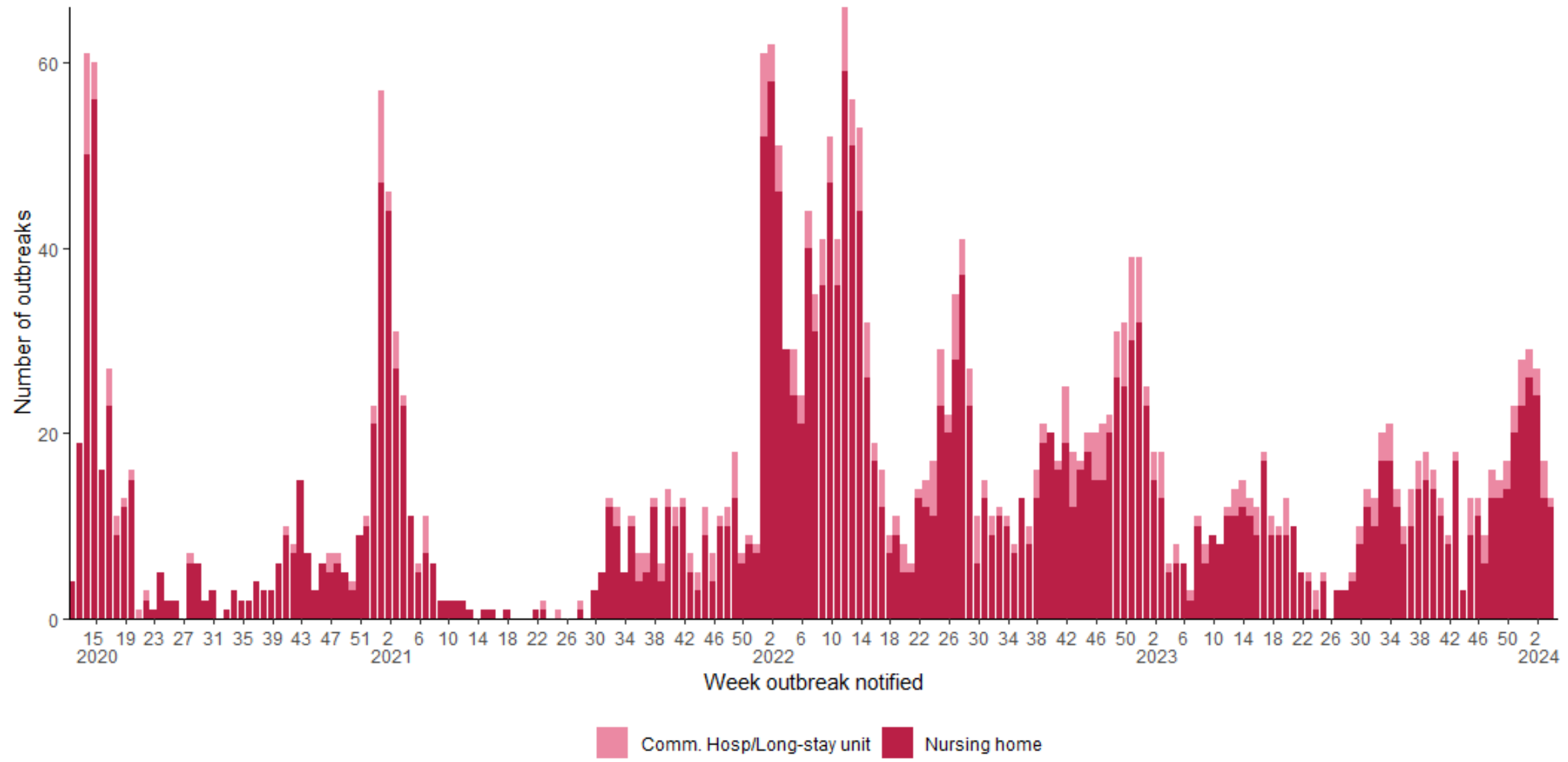
COVID-19 Outbreaks in Nursing Homes and Community Hospitals, week 10 2020 to week 4 2024

Year	Number of Outbreaks	Number of Cases*	Number of Deaths**
2020	440	11374	1469
2021	427	9771	1053
2022	1413	23627	520
2023	758	7776	61
2024 to date	119	929	2
Total	3157	53477	3105

*the larger among number ill, the aggregate number of confirmed cases reported and the number of confirmed linked cases. From 2022, includes cases confirmed by PCR or Antigen testing

**the larger between the aggregate number of outbreak deaths reported and the number of linked cases (confirmed and probable) who died

Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, week 10 2020 to week 4 2024



Data source: CIDR 29th January 10.30 AM, data to midnight January 27th 2024



COVID-19 outbreaks in Nursing Homes and Community Hospitals, 2022/2023 winter season and 2023/2024 winter season to date

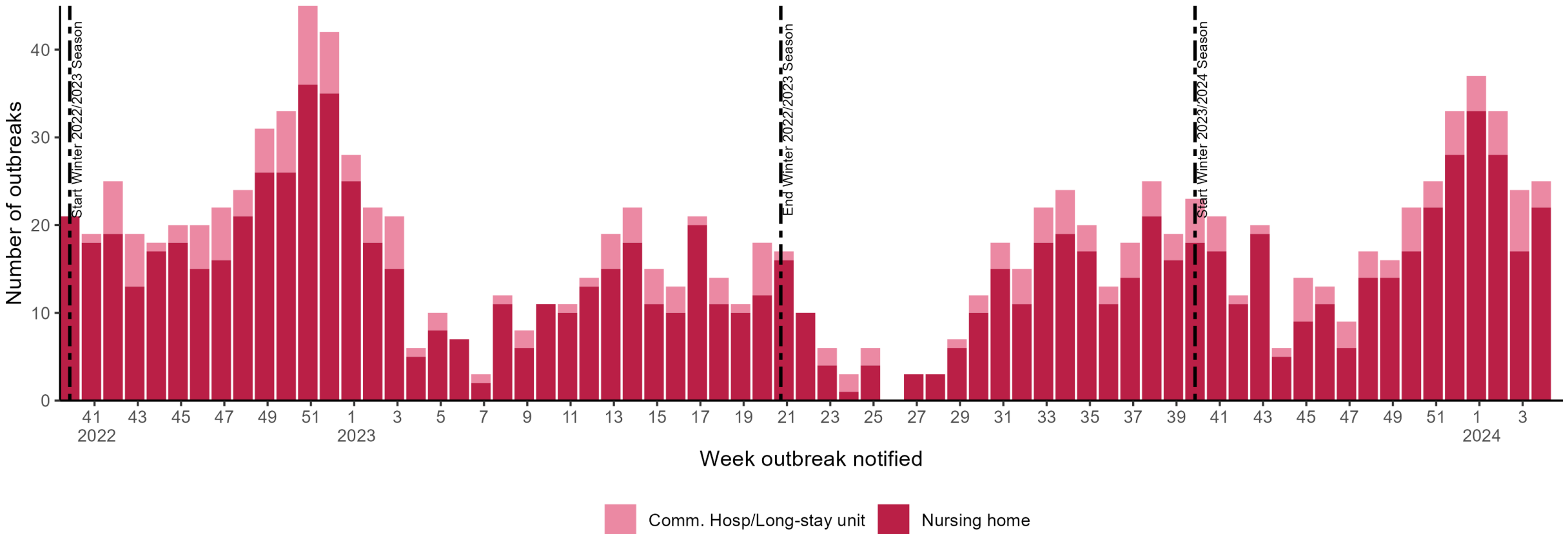
Year	Number of Outbreaks	Number of Cases*	Number of Deaths**
2022/2023 winter season	625	7257	99
2023/2024 winter season to date	350	3278	22
Total	975	10535	121

*the larger among number ill, the aggregate number of confirmed cases reported and the number of confirmed linked cases. From 2022, includes cases confirmed by PCR or Antigen testing

**the larger between the aggregate number of outbreak deaths reported and the number of linked cases (confirmed and probable) who died



Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, week 40 2022 to end week 4 2024



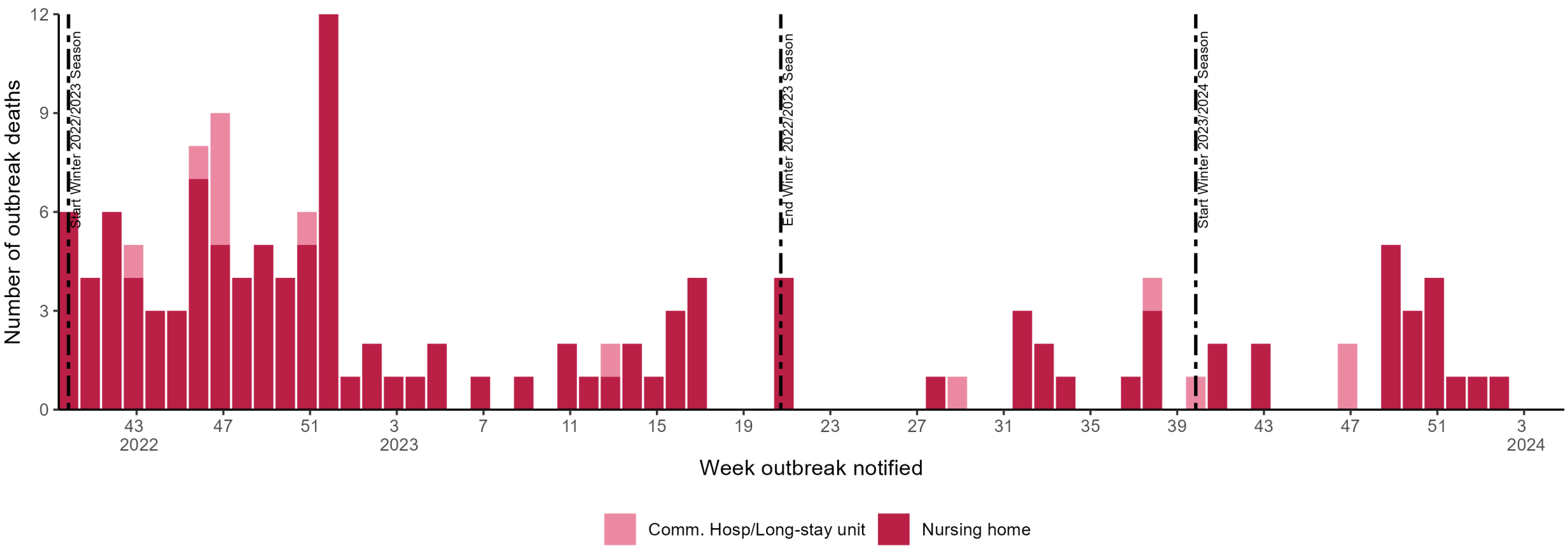
- For outbreaks reported in week 4 2024, the number of outbreak associated cases was 170
- The peak in weekly case numbers in the winter 2022/2023 season was in outbreaks reported in week 49 2022 with 561 cases

Note: Numbers of associated cases are based on the larger among number ill, the aggregate number of confirmed cases reported and the number of confirmed linked cases.





Deaths associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals by week of outbreak notification, week 40 2022 to end week 4 2024



- To date in the 2023/2024 winter season there were 22 deaths associated with outbreaks in these settings

Note: Number of associated deaths is based on the larger between the aggregate number of deaths reported and the number of linked cases who died (confirmed and probable) per outbreak



Burden of disease associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, week 40 2023 to end week 4 2024

Outbreak Location	Number of Outbreaks	Number of Cases*	Number of Deaths**
Comm. Hosp/Long-stay unit	59	418	3
Nursing home	291	2860	19
Total	350	3278	22

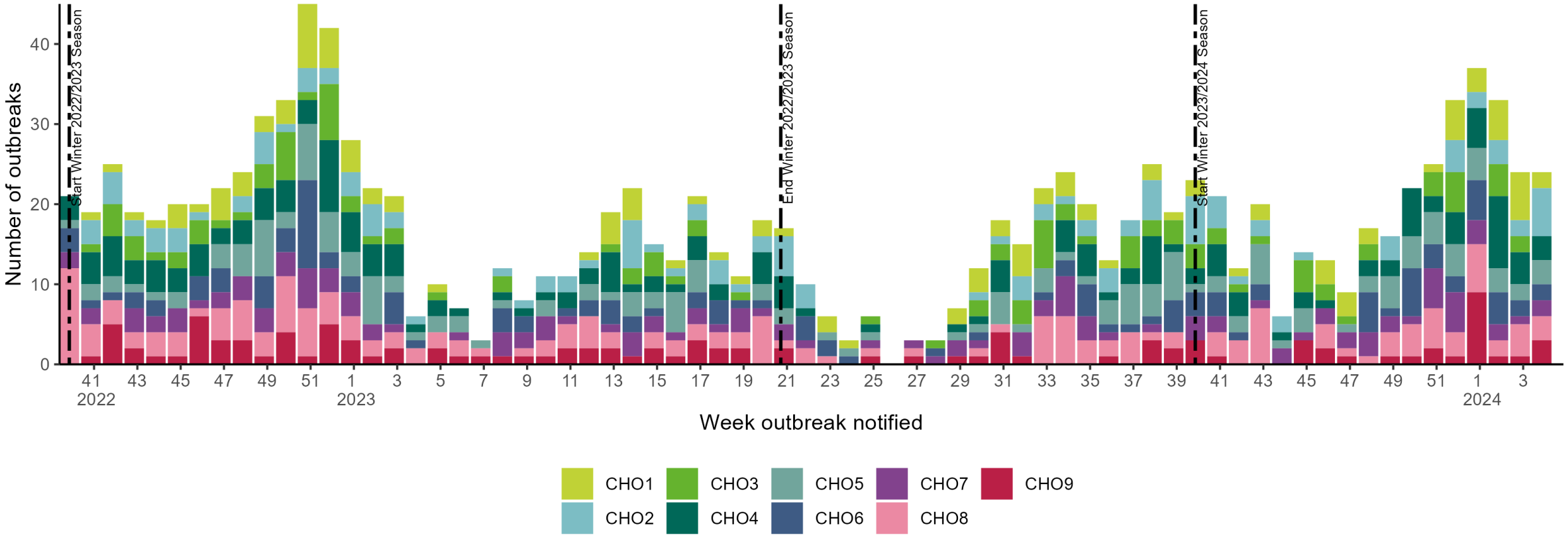
*the larger among number ill, the aggregate number of confirmed cases reported and the number of confirmed linked cases. From 2022, includes cases confirmed by PCR or Antigen testing

**the larger between the aggregate number of outbreak deaths reported and the number of linked cases (confirmed and probable) who died

Week 40 2023 to week 4 2024:

- 350 outbreaks to date
- 3278 cases were reported associated with these outbreaks
- There were 22 outbreak associated deaths among the 3278 cases reported (0.7%)

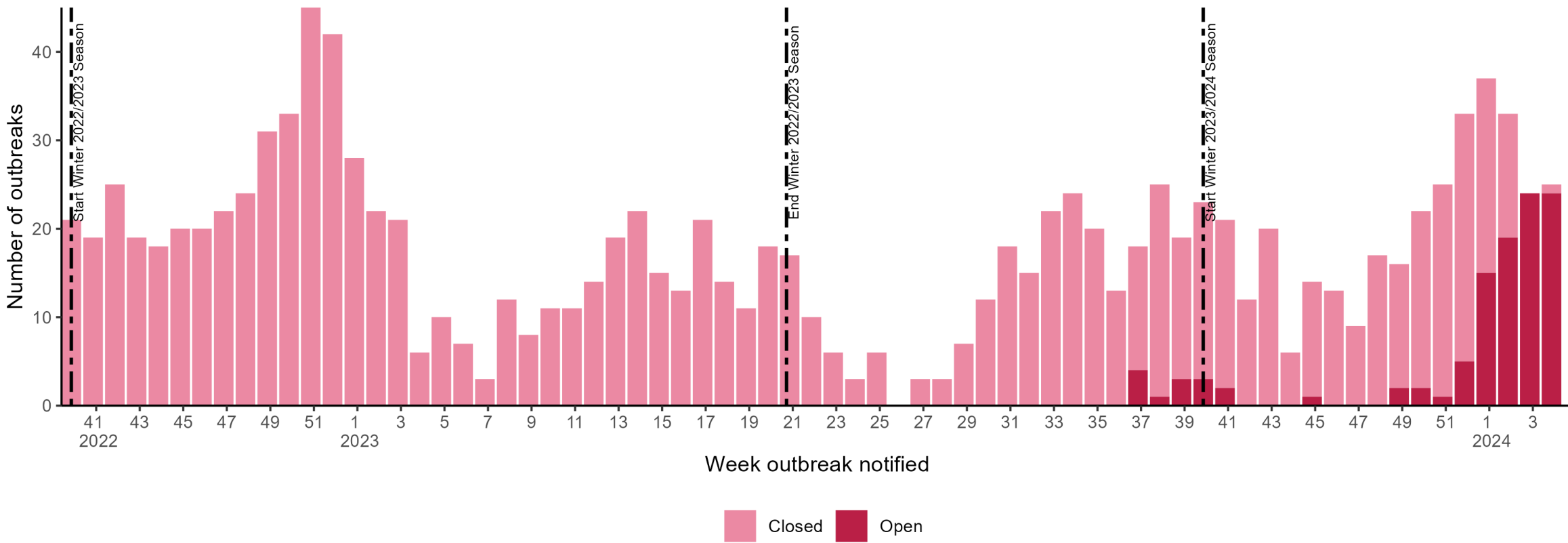
Regional distribution of outbreaks in Nursing Home and Community Hospitals, week 40 2022 to end week 4 2024



Data source: CIDR 29th January 10.30 AM, data to midnight January 27th 2024



Open and closed outbreaks by week in Nursing Home and Community Hospitals, week 40 2022 to end week 4 2024

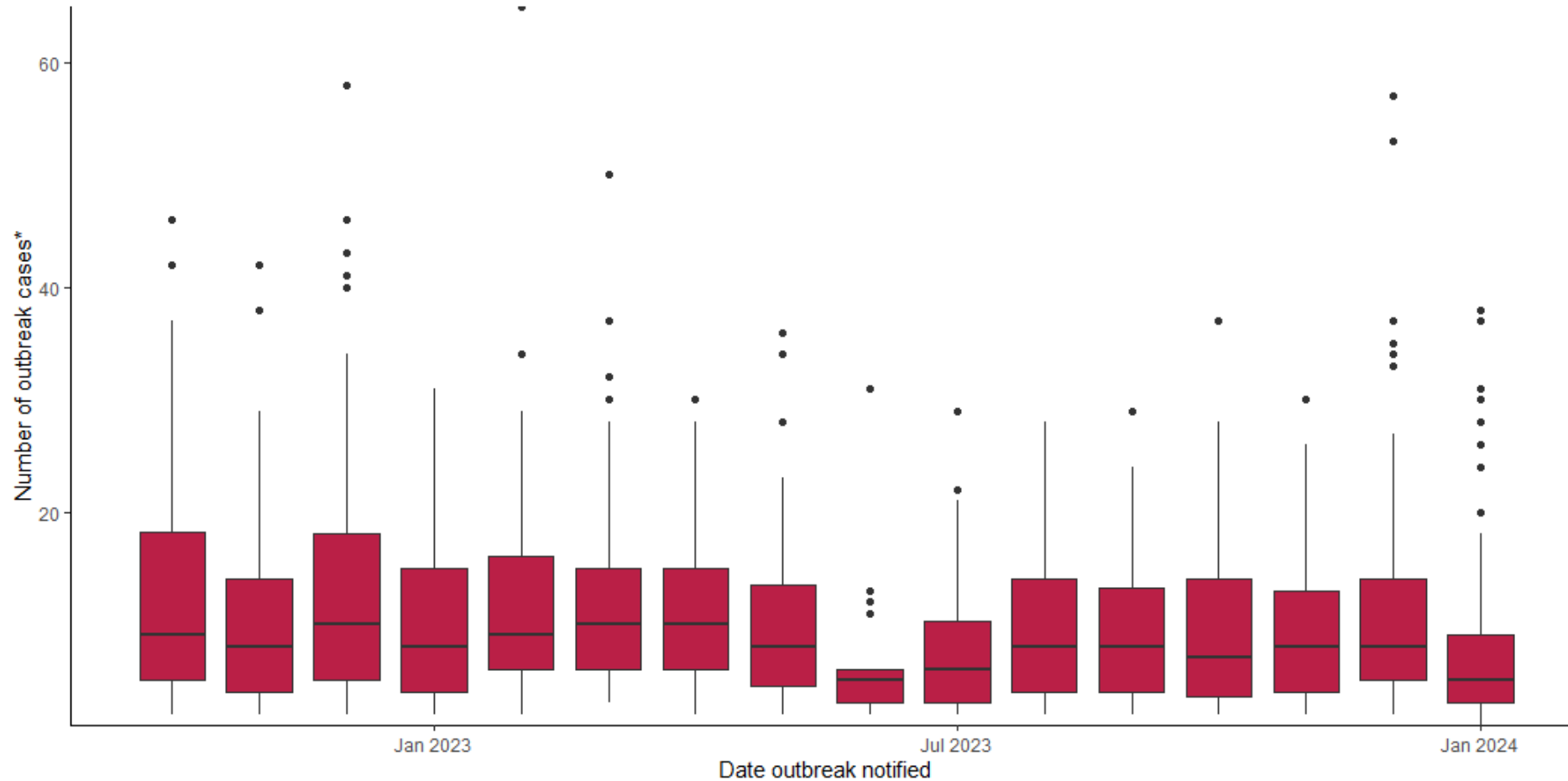


- On CIDR, 111 outbreaks in these settings are reported as being open
- Since week 40 2023, 211 outbreaks in Nursing Homes have been closed. The average duration of these outbreaks (120/211, 57%)* was 23 days.
- Since week 40 2023, 41 outbreaks in Community Hospitals have been closed. The average duration of these outbreaks (20/41, 49%)* was 23 days.

* Average outbreak duration is calculated according to the number of days between the onset dates for first and last cases (where these dates are reported) and 14 days following the onset date of the last case.



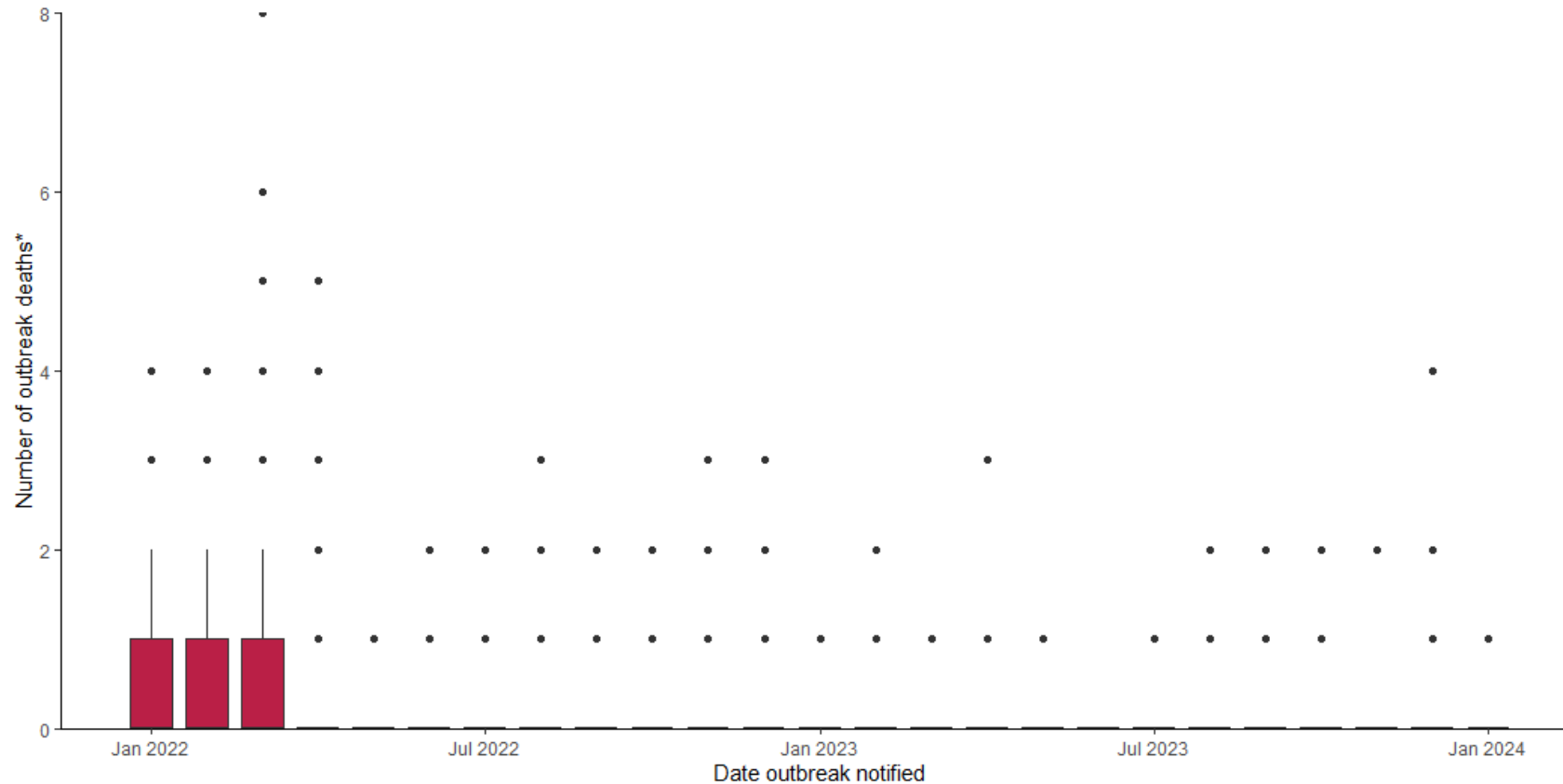
HE Distribution of outbreak size* by month of outbreak notification



- The median outbreak size has remained relatively low since the vaccination programme commenced in January/February 2021
- The median outbreak size for outbreaks reported in March 2022 increased to 21, reduced to 5 in January 2024

*Outbreak size is based on the larger among number ill, the aggregate number of confirmed cases reported and the number of confirmed linked cases

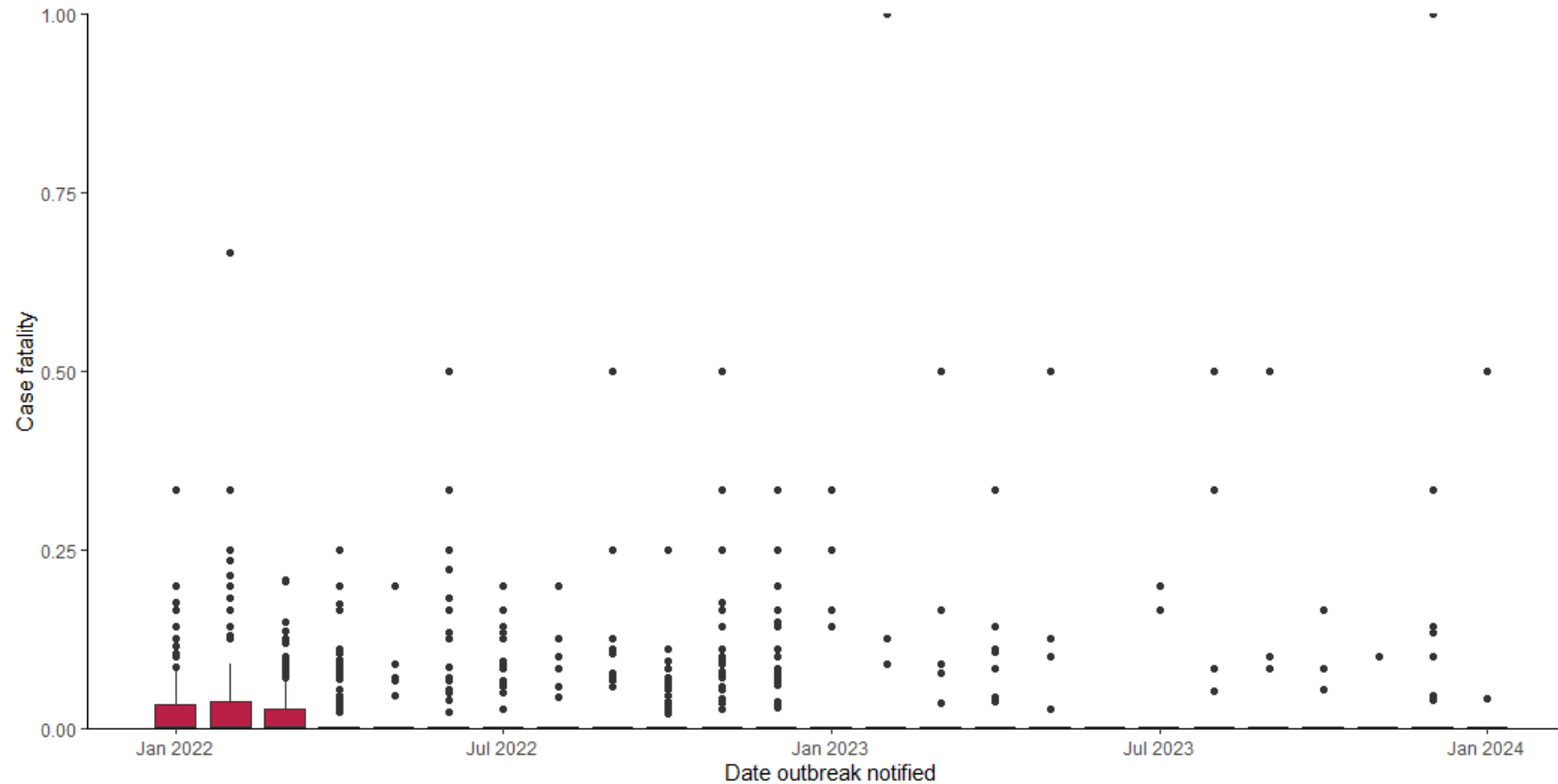
HE Distribution of number of associated deaths* per outbreak by month of outbreak notification



- The median number of deaths per outbreak has remained relatively low since the vaccination programme commenced in January/February 2021
- The monthly median number of deaths per outbreak has remained at zero since November 2021
- Note: Later outbreaks in the series may still be accruing cases and deaths

*Number of associated deaths is based on the larger between the aggregate number of deaths reported and the number of linked cases who died (confirmed and probable). Only outbreaks with case information (aggregate or disaggregate) are included in this calculation

HE Distribution of outbreak case fatality* by month of outbreak notification



- The median outbreak case fatality has remained relatively low since the vaccination programme commenced in January/February 2021
- The monthly median outbreak case fatality has remained at zero since November 2021
- Note: Later outbreaks in the series may still be accruing cases and deaths

*Case fatality is calculated as the number of associated deaths (defined slide 13) as a percentage of the outbreak size (defined slide 12). Only outbreaks with case information (aggregate or disaggregate) are included in this calculation