



# Weekly Report on COVID-19 Outbreaks in Nursing Homes and Community Hospitals



## Week 12 2022

### Health Protection Surveillance Centre, 29<sup>th</sup> March 2022

#### Dates to note:

- Week 12 2022 (March 20<sup>th</sup>-26<sup>th</sup> 2022)
- Week 10 2020 (1<sup>st</sup> to 7<sup>th</sup> March 2020) –The beginning of the pandemic in Ireland
- Wave 5 of the pandemic in Ireland (Week 51 (week commencing 19<sup>th</sup> December 2021) to date)

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.

*Note: Data were extracted from the Computerised Infectious Disease Reporting (CIDR) system on 29/03/2022. These data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.*

## Notes

The following report provides information on COVID-19 outbreaks/clusters notified on CIDR to midnight March 26<sup>th</sup> 2022 (week 12) and extracted from CIDR at 9 am on March 29<sup>th</sup> 2022.

Data are provisional and subject to ongoing review, validation and updating. For this reason, 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, Microbiologists and Administrative staff.

# COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 1-5

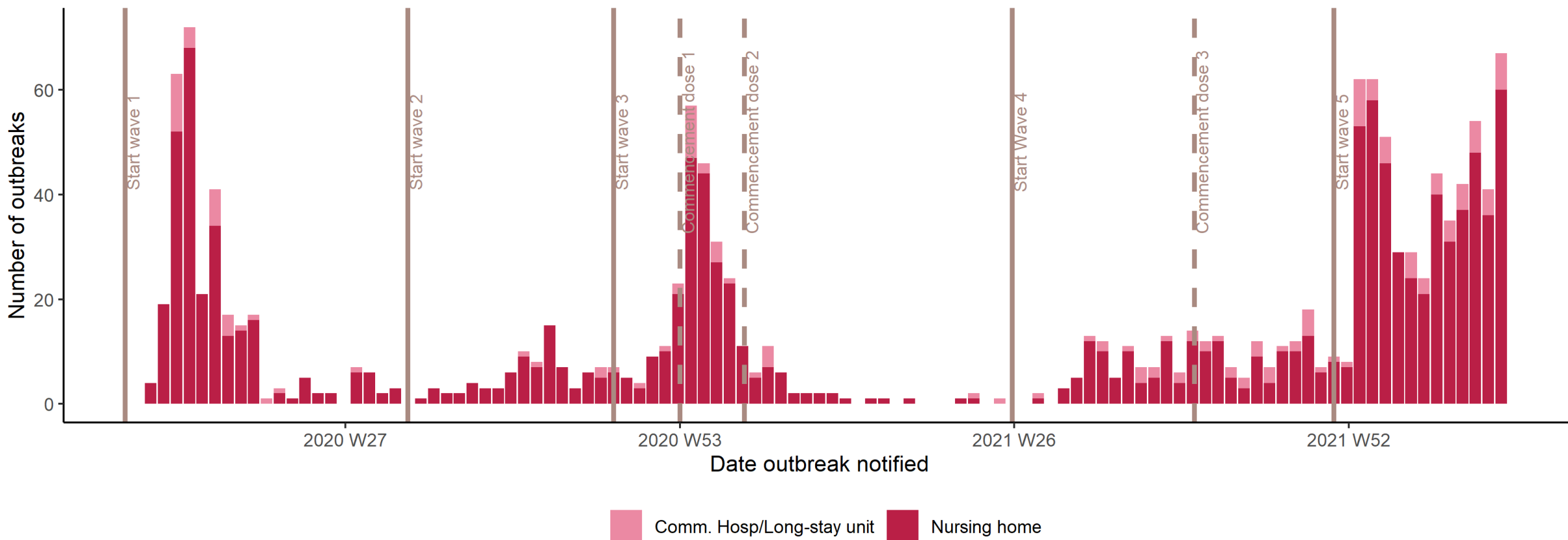


Wave	Outbreak		Linked confirmed cases				
	Number of outbreaks	Number of cases*	Number	Number hospitalised	Number admitted to ICU	Number hospitalised and died	Number who died
Wave 1 (weeks 10-31 2020)	301	6658	6251	476	16	195	884
Wave 2 (weeks 32-47 2020)	80	1571	1555	90	<5	25	134
Wave 3 (week 48 2020 - week 25 2021)	267	8375	8328	577	12	199	1027
Wave 4 (weeks 26-50 2021)	202	2811	2703	190	<5	49	205
Wave 5 (weeks 51 2021 – week 11 2022)	557	10151	7040	270	<5	30	125
<b>Total</b>	<b>1407</b>	<b>29566</b>	<b>25877</b>	<b>1603</b>	<b>33</b>	<b>498</b>	<b>2375</b>

\*the larger between the aggregate number of confirmed cases reported or the number of confirmed linked cases

- Overall, there have been 1,407 COVID-19 outbreaks in Nursing homes and Community Hospitals
- 1603 of 25,877 laboratory confirmed outbreak cases have been hospitalised (6.2%)
- 2,375 deaths have been reported among confirmed outbreak cases in these settings (9.2%)

# Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 1-5



Large peaks occurred in the number of outbreaks in wave 1 (72 outbreaks in a single week) and wave 3 (57 outbreaks in a single week). In week 12 2022, 67 outbreaks were reported in these settings [Note: the excess number of outbreaks in week 12 is in part due to late reporting of some outbreaks which were not reported in week 11 due to the occurrence of two public holidays]

# Burden of disease associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, Wave 5 (weeks 51 2021 to week 12 2022)



Outbreaks Location	Outbreak		Linked confirmed cases				
	Number of outbreaks	Number of cases*	Number	Number hospitalised	Number admitted to ICU	Number hospitalised and died	Number who died
Comm. Hosp/Long-stay unit	59	792	586	49	<5	<5	5
Nursing home	498	9359	6454	221	<5	29	120
<b>Total</b>	557	10151	7040	270	<5	30	125

\*the larger between the aggregate number of confirmed cases reported or the number of confirmed linked cases

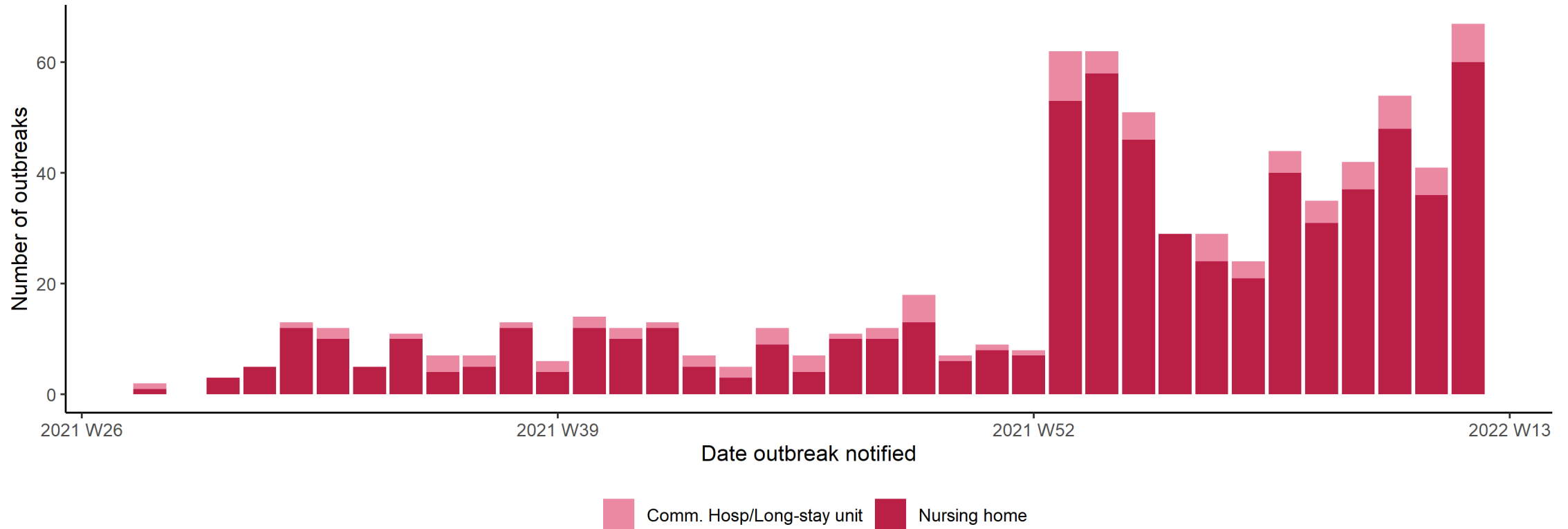
## Wave 5:

- 557 outbreaks in wave 5
- 10,151 cases were reported associated with these outbreaks, of which there was disaggregate data available on 7,040 cases (69%)
- 270 of the 7,040 outbreak-linked cases (3.8%) were hospitalised (age range 21-99 years, median 82 years)
- 125 of the 7,040 outbreak-linked cases (1.8%) cases died (age range 52-101 years, median 87 years). An additional five deaths were reported among probable cases linked to wave 5 outbreaks.

## Week 12 2022

- Sixty-seven new outbreaks -676 associated cases (range 1-61 cases per outbreak)

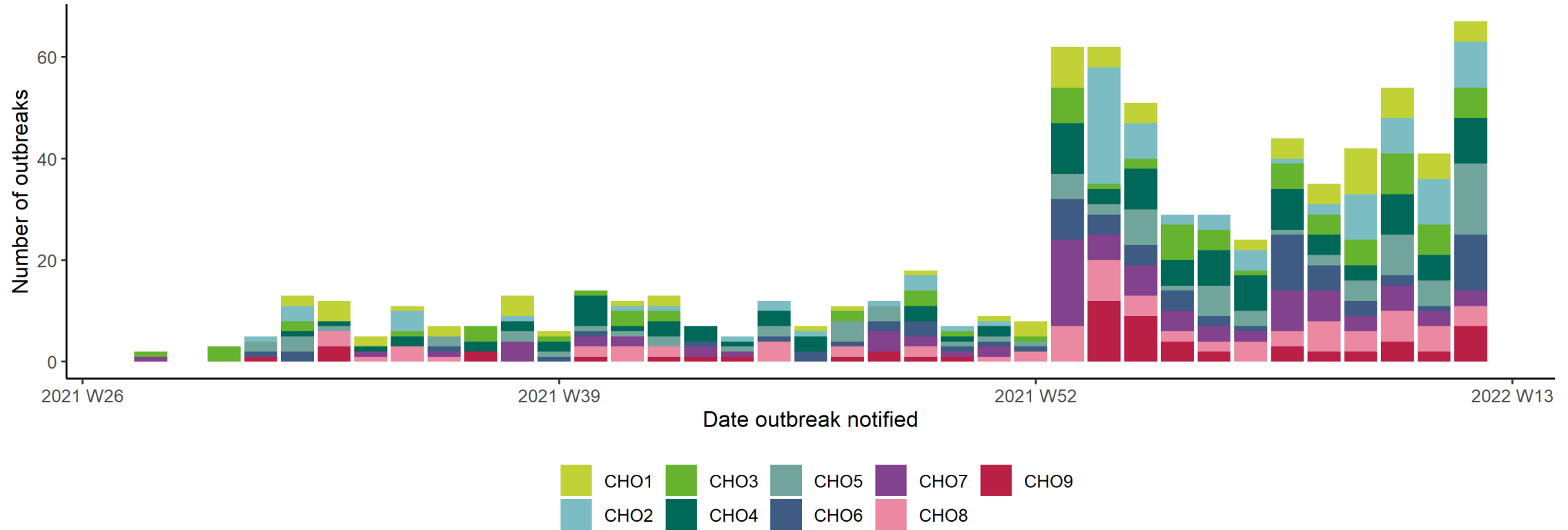
# Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 12 2022)



## Waves 4 and 5:

- 759 nursing home and community hospital/long stay unit COVID-19 outbreaks notified
- The number of outbreaks in these settings to week 52 2021 had been relatively stable, but increased to 62 outbreaks in weeks 1 and 2 2022, decreased to 24 outbreaks in week 6 2022, and was 67 in week 12 2022

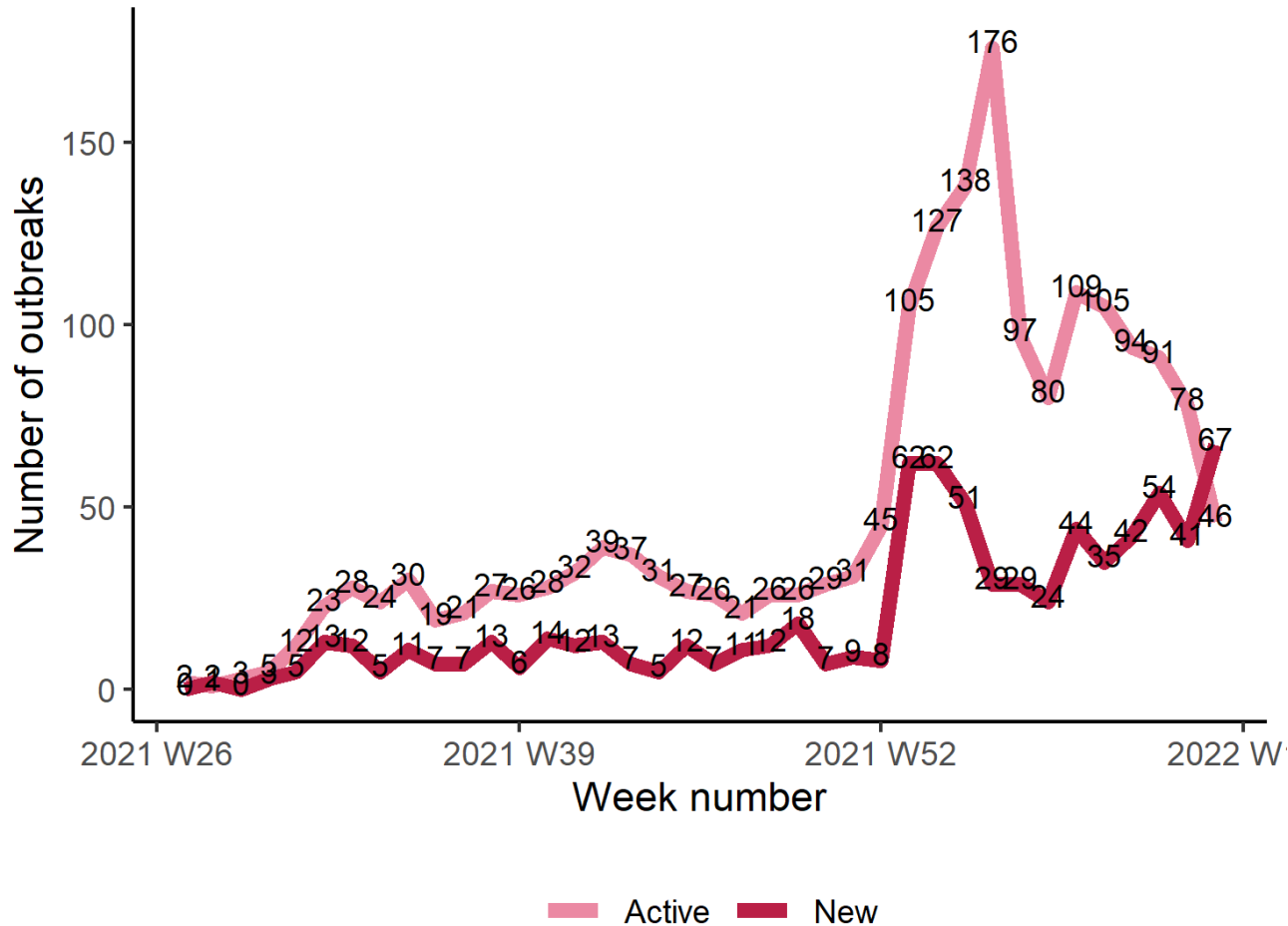
# Regional distribution of outbreaks in Nursing Home and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 12 2022)



## Waves 4 and 5:

- The highest number of outbreaks was reported in CHO4 (114 outbreaks) followed by CHO2 (97 outbreaks)
- Nine CHOs were represented in the 67 outbreaks notified in week 12 2022

# New and active outbreaks by week in Nursing Home and Community Hospitals, Wave 4 and 5 (week 26 2021 to week 12 2022)



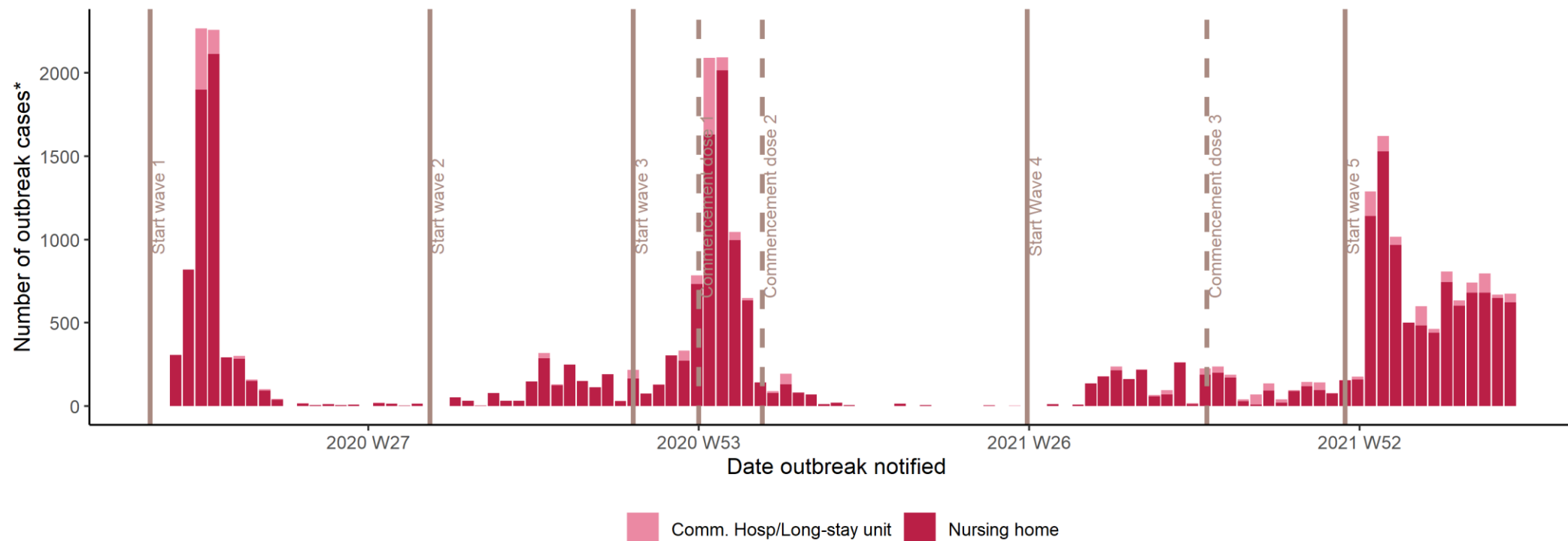
### Wave 4 and 5:

The number of active outbreaks (those with a case notified that week) peaked at 176 in week 4 2022. Fewer outbreaks had cases reported in weeks 5-12 2022 although the number of known active outbreaks in the most recent weeks may increase as more data become available

Note: linked case information is only available for 7040/10151 (69%) cases in wave 5



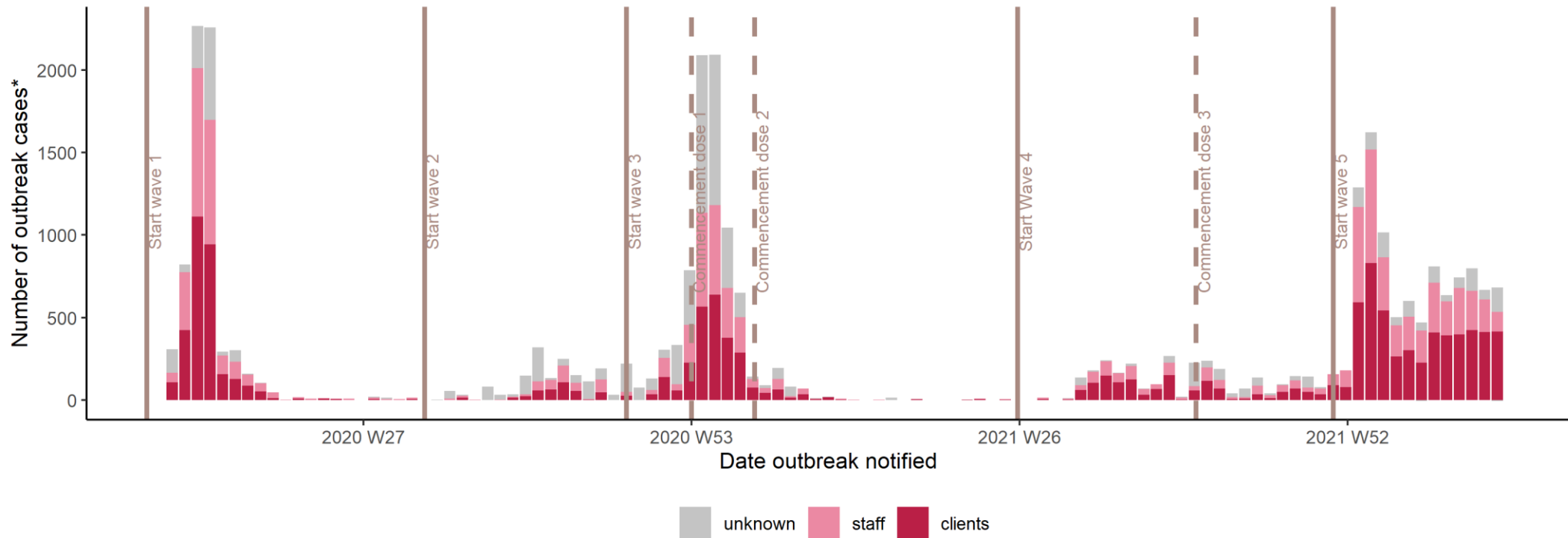
# Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 1 to 5



For outbreaks reported in week 12 2022, the number of outbreak associated cases was 676. The peak in weekly case numbers in wave 5 was in outbreaks reported in week 2 2022 with 1622 cases. This is 6 times the peak weekly number of cases in wave 4 (n=265), and 78% of the peak weekly number of cases in wave 3 (n=2092)

Note: Numbers of associated cases are based on the larger between the aggregate number of confirmed cases reported and the number of confirmed linked cases

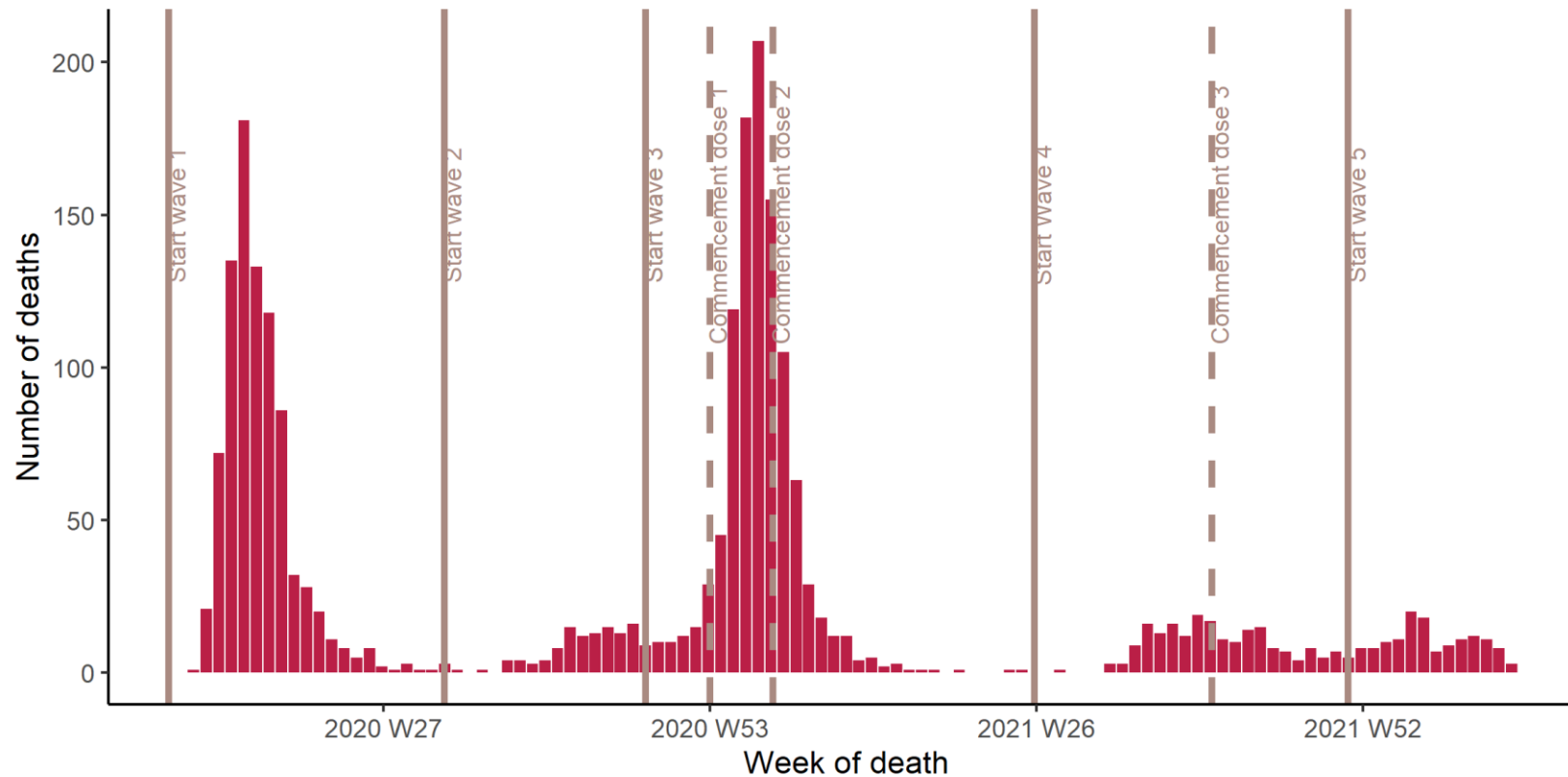
# Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals by healthcare worker status, Waves 1 to 5



In week 12, 120 outbreak associated cases (18%) were among staff and 414 among residents (61%); the HCW status of 142 (21%) was not reported

Note: Numbers of associated cases are based on the larger between the aggregate number of confirmed cases reported and the number of confirmed linked cases. Staff and clients case numbers were derived from aggregate data provided on the number of staff and clients cases.

# Deaths among confirmed cases linked to COVID-19 outbreaks in Nursing Homes and Community Hospitals by week of death, waves 1 -5



- In wave 4, the number of deaths per week (by date of death) peaked in week 39 with 19 deaths, followed by a reduction from week 44
- In wave 5, the highest number of weekly deaths (by date of death) is 20 in week 4 2022
- Note: only 69% of outbreak-associated cases in wave 5 have been electronically linked to outbreaks, and were thus available for inclusion in this figure
- Also, the data on linked deaths for recent outbreaks is likely an underestimate, as deaths may still accrue among known cases

# Outcomes among cases linked to COVID-19 outbreaks in Nursing Homes and Community Hospitals by age group, Wave 5 (weeks 51 2021 to week 12 2022)

Age group	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<45 yrs	1810	25	1.4%	<5	0.0%	<5	0.0%
45-64 yrs	1148	29	2.5%	<5	0.0%	<5	0.3%
65-74 yrs	512	26	5.1%	<5	0.0%	7	1.4%
75-84 yrs	1460	94	6.4%	<5	0.0%	38	2.6%
85+ yrs	2110	96	4.5%	<5	0.0%	77	3.6%
<b>Total</b>	<b>7040</b>	<b>270</b>	<b>3.8%</b>	<b>&lt;5</b>	<b>0.0%</b>	<b>125</b>	<b>1.8%</b>

Note: disease severity information is only available for 7040/10151 (69%) cases in wave 5, and deaths may still accrue among known cases

# Comparison of disease severity among cases linked to outbreaks in Nursing Homes and Community Hospitals by wave and age group

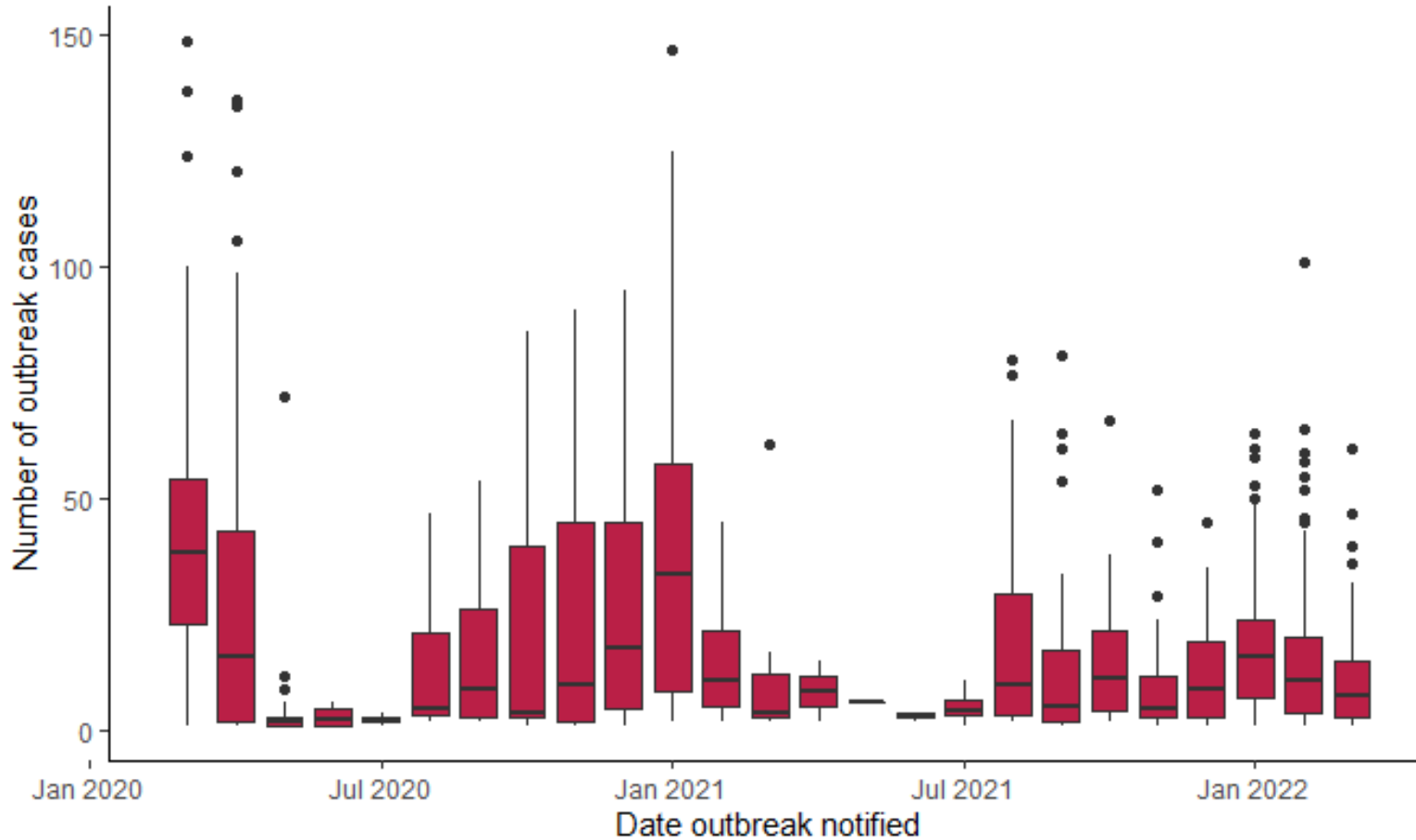


Age group	Wave	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<65 yrs	Wave 1	2672	88	3.3%	5	0.2%	20	0.7%
	Wave 2	779	15	1.9%	<5	0.0%	<5	0.1%
	Wave 3	4032	101	2.5%	8	0.2%	18	0.4%
	Wave 4	1173	16	1.4%	<5	0.2%	7	0.6%
	Wave 5	2958	54	1.8%	<5	0.0%	<5	0.1%
65+ yrs	Wave 1	3577	388	10.8%	11	0.3%	864	24.2%
	Wave 2	776	75	9.7%	<5	0.1%	133	17.1%
	Wave 3	4296	476	11.1%	<5	0.1%	1009	23.5%
	Wave 4	1530	174	11.4%	<5	0.1%	198	12.9%
	Wave 5	4082	216	5.3%	<5	0.0%	122	3.0%
All ages	Wave 1	6251	476	7.6%	16	0.3%	884	14.1%
	Wave 2	1555	90	5.8%	<5	0.1%	134	8.6%
	Wave 3	8328	577	6.9%	12	0.1%	1027	12.3%
	Wave 4	2703	190	7.0%	<5	0.1%	205	7.6%
	Wave 5	7040	270	3.8%	<5	0.0%	125	1.8%

The percentage of cases 65 years or older who died among cases linked to outbreaks notified in wave 4 was 12.9% and in wave 5 was 3.0%, compared to between 17.1% and 24.2% in waves 1-3

Note: disease severity information is only available for 7040/10151 (69%) cases in wave 5, and deaths may still accrue among known cases

# Distribution of outbreak size\* by month of outbreak notification

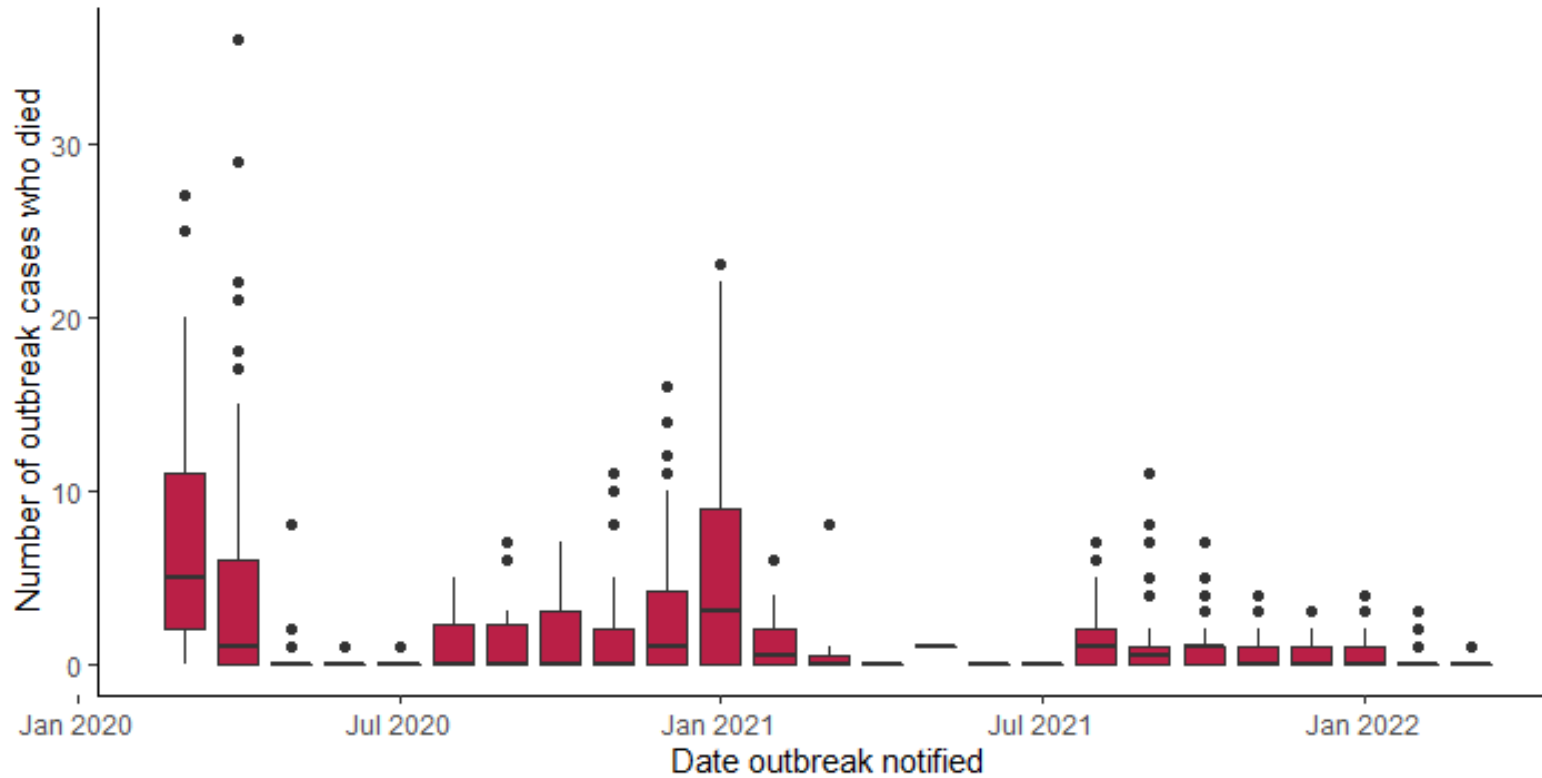


The median outbreak size has remained relatively low since the vaccination programme commenced in January/February 2021

The median outbreak size for outbreaks reported in January 2022 increased to 18 and reduced to 14 in February, and to 10 in March (Note: data for February and March likely incomplete)

\*Number of associated cases is based on the larger between the aggregate number of confirmed cases reported and the number of confirmed linked cases

# Distribution of number of deaths per outbreak by month of outbreak notification



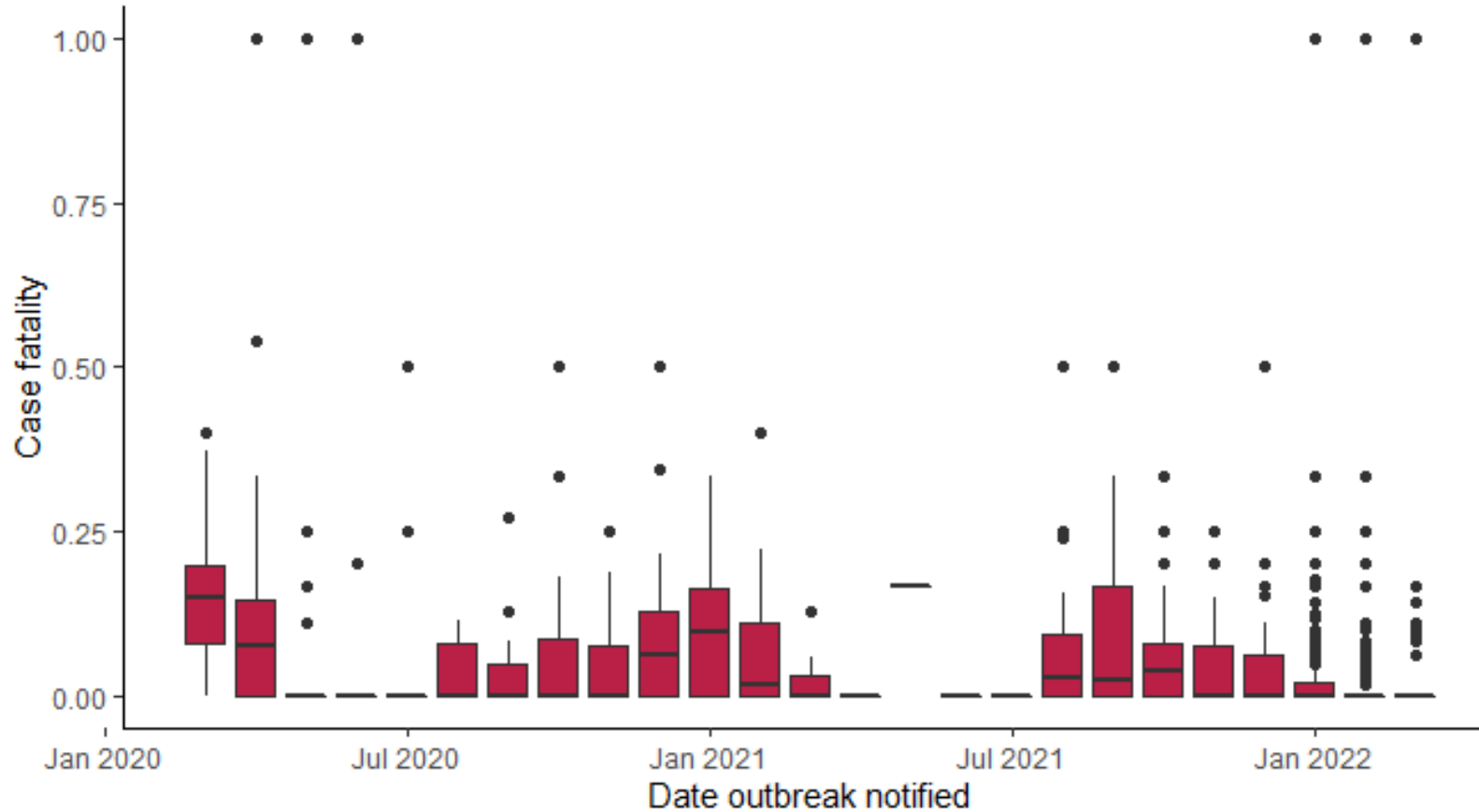
The median number of deaths per outbreak has remained relatively low since the vaccination programme commenced in January/February 2021.

The monthly median number of deaths per outbreak has remained at zero since November 2021 (Note: data for February and March likely incomplete)

Note: Later outbreaks in the series may still be accruing cases and deaths

Note: Only outbreaks with linked case information are included in this calculation

# 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.

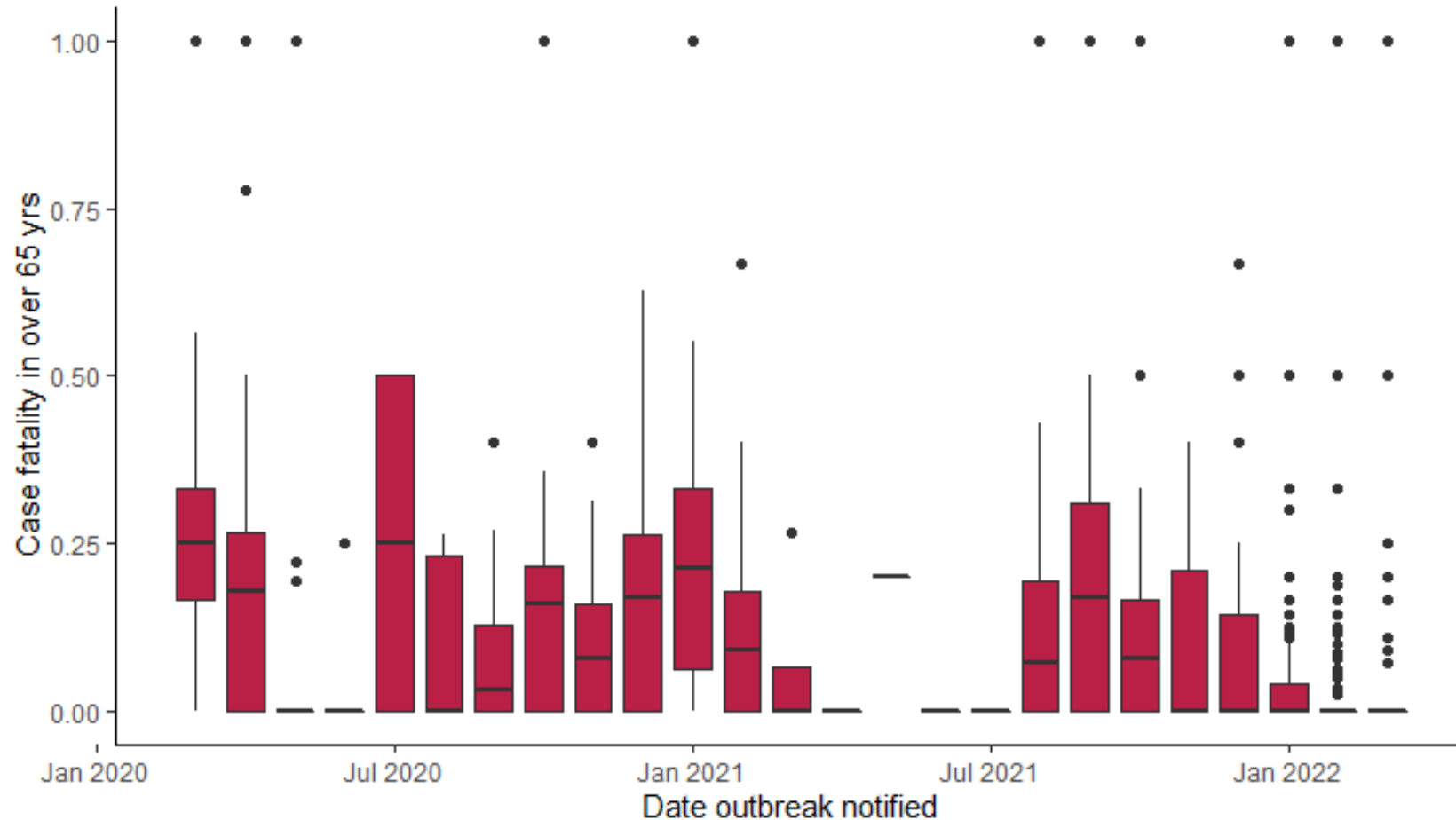
The monthly median outbreak case fatality has remained at zero since November 2021 (Note: data for February and March likely incomplete)

Note: Later outbreaks in the series may still be accruing cases and deaths

Note: Only outbreaks with linked case information are included in this calculation



# Distribution of outbreak case fatality in cases 65 years or over by month of outbreak notification [in outbreaks with cases over 65 years ]



The median outbreak case fatality in cases 65 years or over has remained at zero since November 2021 (note: data for February and March likely incomplete)

Note: Later outbreaks in the series may still be accruing cases and deaths

Note: Only outbreaks with linked case information are included in this calculation