



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

## Week 8 2022

### Health Protection Surveillance Centre, 1<sup>st</sup> March 2022

#### Dates to note:

- Week 8 2022 (February 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 01/03/2022. 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 February 26<sup>th</sup> 2022 (week 8) and extracted from CIDR at 8 am on March 1<sup>st</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

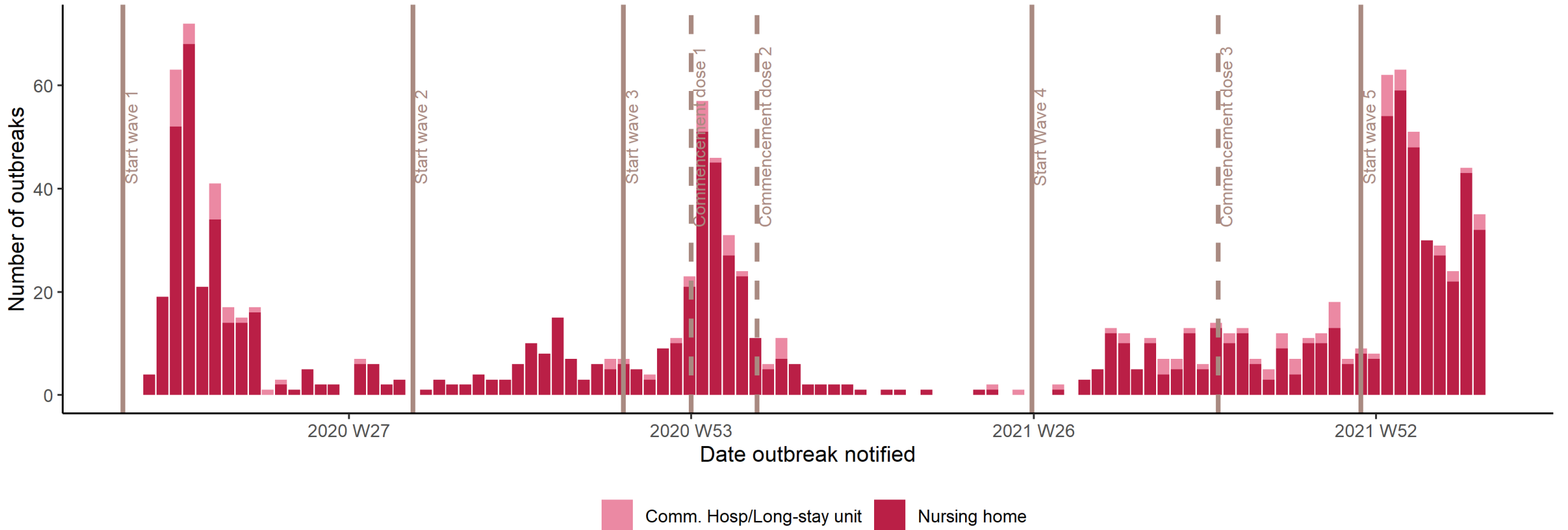


Wave	Outbreak		Linked confirmed cases				
	Number of outbreaks	Number of cases*	Number	Number hospitalised	Number admitted to ICU	Number hospitalised and died	Number who died
Wave 1 (weeks 10-31 2020)	301	6658	6251	476	16	195	884
Wave 2 (weeks 32-47 2020)	80	1571	1555	90	<5	25	134
Wave 3 (week 48 2020 - week 25 2021)	267	8375	8328	577	12	199	1026
Wave 4 (weeks 26-50 2021)	202	2804	2692	188	<5	49	204
Wave 5 (weeks 51 2021 – week 8 2022)	355	6230	4397	181	<5	14	74
<b>Total</b>	<b>1205</b>	<b>25638</b>	<b>23223</b>	<b>1512</b>	<b>32</b>	<b>482</b>	<b>2322</b>

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

- Overall, there have been 1,205 COVID-19 outbreaks in Nursing homes and Community Hospitals
- 1,512 of 23,223 laboratory confirmed outbreak cases have been hospitalised (6.5%)
- 2,322 deaths have been reported among confirmed outbreak cases in these settings (10.0%)

# 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 8 2022, 35 outbreaks were reported in these settings

# Burden of disease associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, Wave 5 (weeks 51 2021 to week 8 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	25	323	252	25	<5	<5	<5
Nursing home	330	5907	4145	156	<5	14	72
<b>Total</b>	<b>355</b>	<b>6230</b>	<b>4397</b>	<b>181</b>	<b>&lt;5</b>	<b>14</b>	<b>74</b>

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

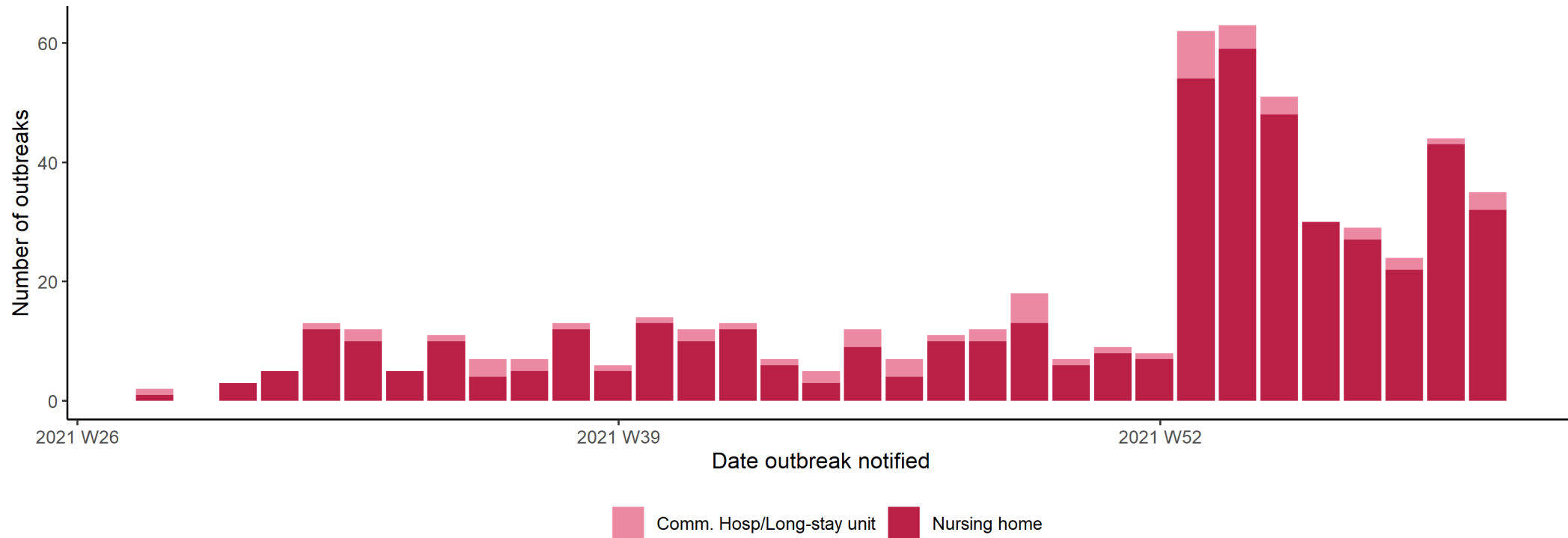
## Wave 5:

- 355 outbreaks in wave 5
- 6,230 cases were reported associated with these outbreaks, of which there was disaggregate data available on 4,397 cases (71%)
- 181 of the 4,397 outbreak-linked cases (4.1%) were hospitalised (age range 21-99 years, median 82 years)
- 74 of the 4,397 outbreak-linked cases (1.7%) cases died (age range 58-101 years, median 86 years)

## Week 8 2022

- Thirty-five new outbreaks -383 associated cases (range 2-62 cases per outbreak)

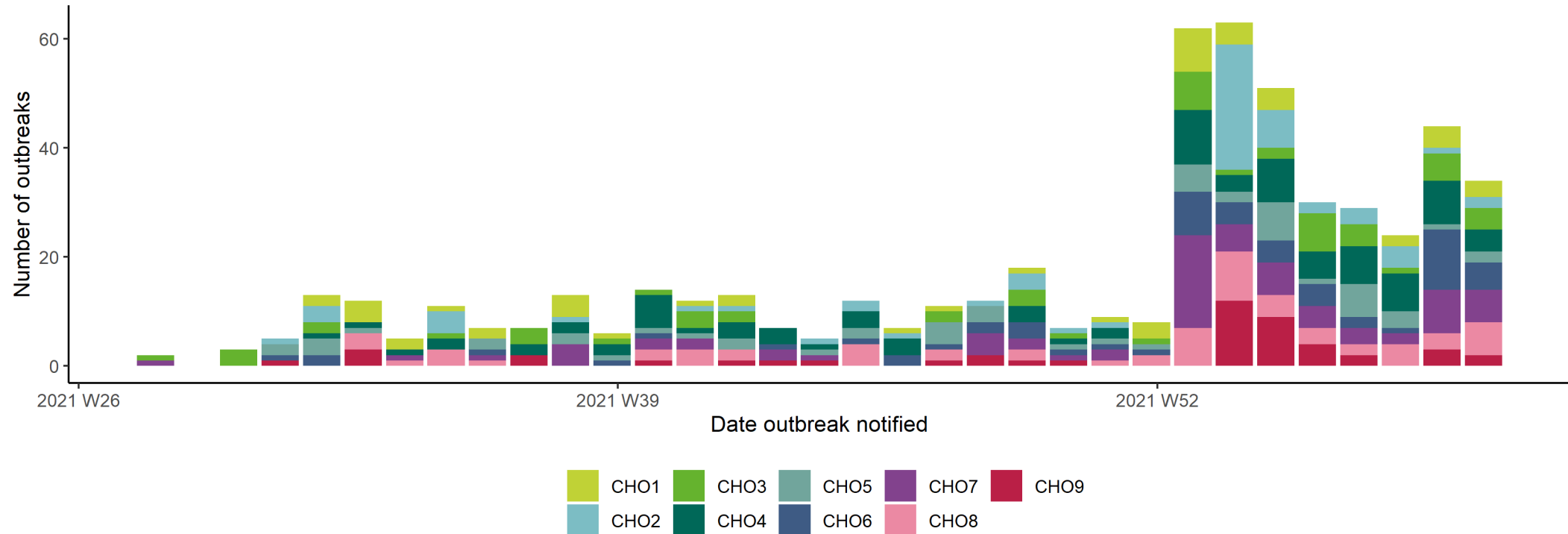
# Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 8 2022)



## Waves 4 and 5:

- 557 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 63 outbreaks in week 2 2022, decreased to 24 outbreaks in week 6 2022, and was 35 in week 8 2022

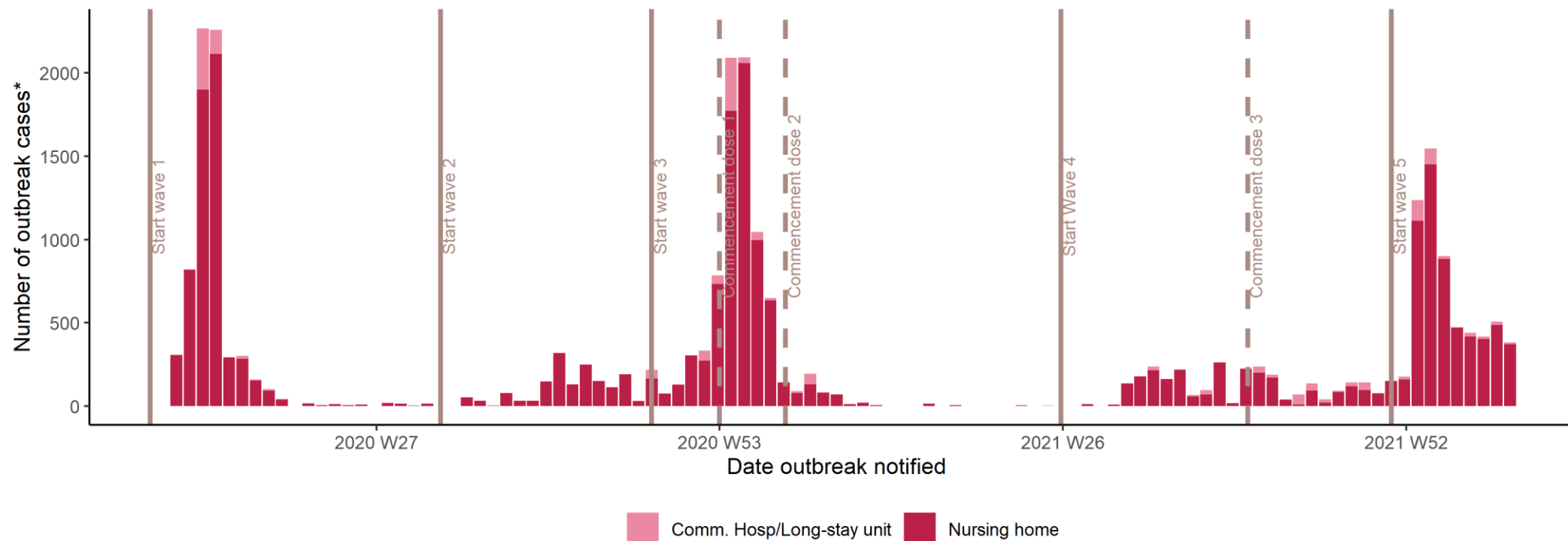
# Regional distribution of outbreaks in Nursing Home and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 8 2022)



## Waves 4 and 5:

- The highest number of outbreaks was reported in CHO4 (89 outbreaks) followed by CHO7 (74 outbreaks)
- Nine CHOs were represented in the 35 outbreaks notified in week 8 2022

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

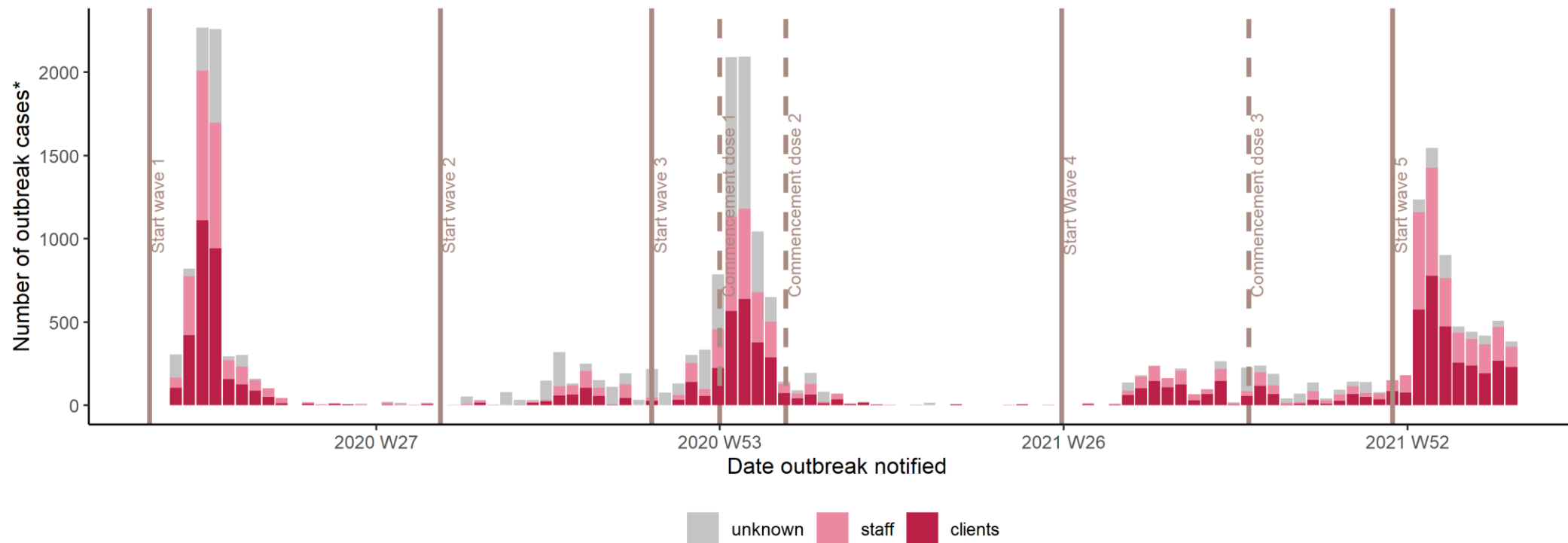


For outbreaks reported in week 8 2022, the number of outbreak associated cases was 383. The peak in weekly case numbers in wave 5 was in outbreaks reported in week 2 2022 with 1545 cases. This is almost 6 times the peak weekly number of cases in wave 4 (n=265), and 74% of the peak weekly number of cases 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 8, 121 outbreak associated cases were among staff and 229 among residents, with 33 cases of unknown status

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.

# Outcomes among cases linked to COVID-19 outbreaks in Nursing Homes and Community Hospitals by age group, Wave 5 (weeks 51 2021 to week 8 2022)

Age group	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<45 yrs	1223	20	1.6%	<5	0.0%	<5	0.0%
45-64 yrs	705	21	3.0%	<5	0.0%	<5	0.3%
65-74 yrs	301	17	5.6%	<5	0.0%	7	2.3%
75-84 yrs	907	53	5.8%	<5	0.0%	25	2.8%
85+ yrs	1261	70	5.6%	<5	0.0%	40	3.2%
<b>Total</b>	<b>4397</b>	<b>181</b>	<b>4.1%</b>	<b>&lt;5</b>	<b>0.0%</b>	<b>74</b>	<b>1.7%</b>

Note: disease severity information is only available for 4397/6230 (71%) 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

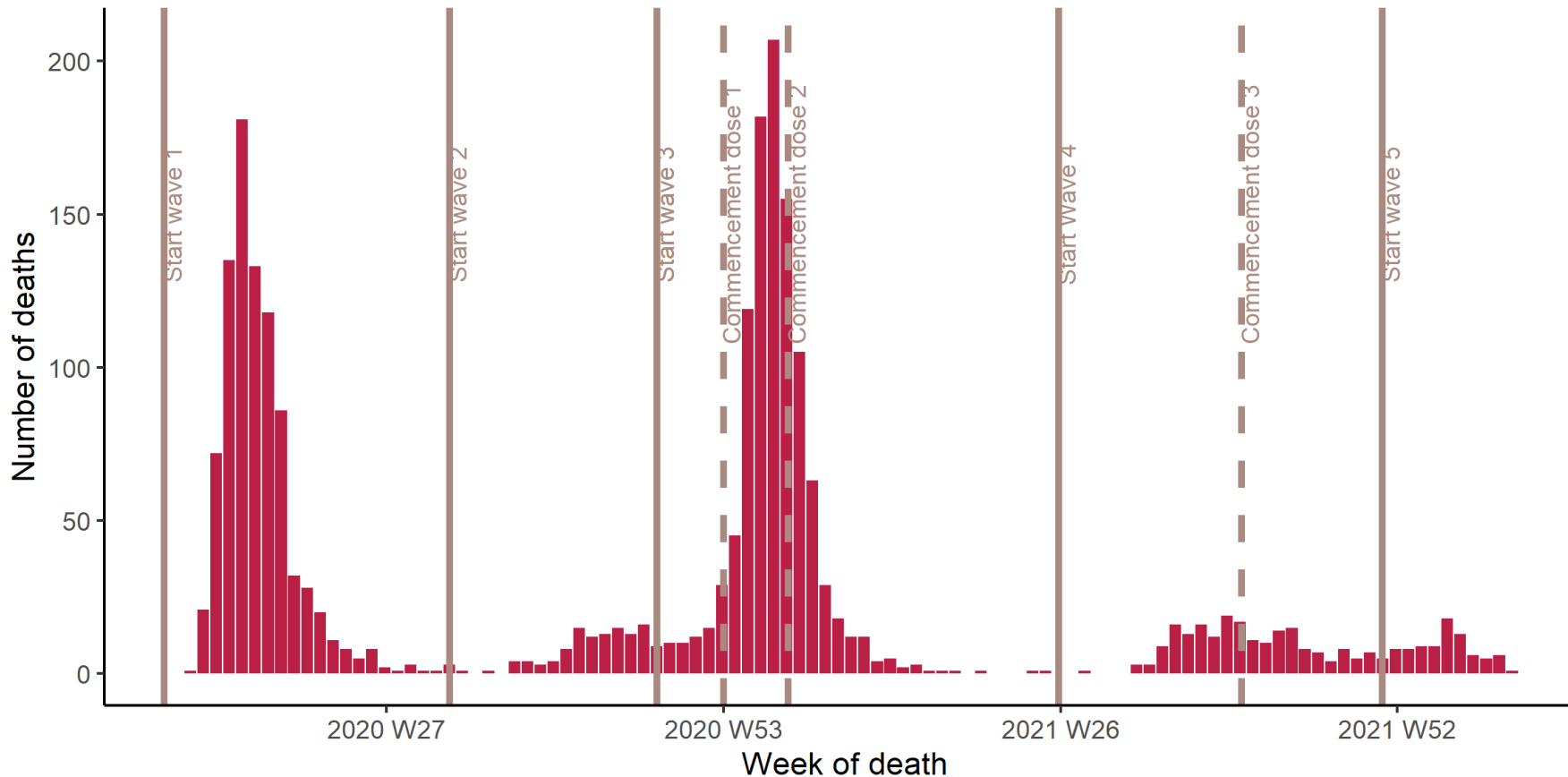


Age group	Wave	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<65 yrs	Wave 1	2672	88	3.3%	5	0.2%	20	0.7%
	Wave 2	779	15	1.9%	<5	0.0%	<5	0.1%
	Wave 3	4032	101	2.5%	8	0.2%	18	0.4%
	Wave 4	1166	16	1.4%	<5	0.2%	7	0.6%
	Wave 5	1928	41	2.1%	<5	0.0%	2	0.1%
65+ 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%	1008	23.5%
	Wave 4	1526	172	11.3%	<5	0.1%	197	12.9%
	Wave 5	2469	140	5.7%	<5	0.0%	72	2.9%
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%	1026	12.3%
	Wave 4	2692	188	7.0%	<5	0.1%	204	7.6%
	Wave 5	4397	181	4.1%	<5	0.0%	74	1.7%

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 2.9%, compared to between 17.1% and 24.2% in waves 1-3

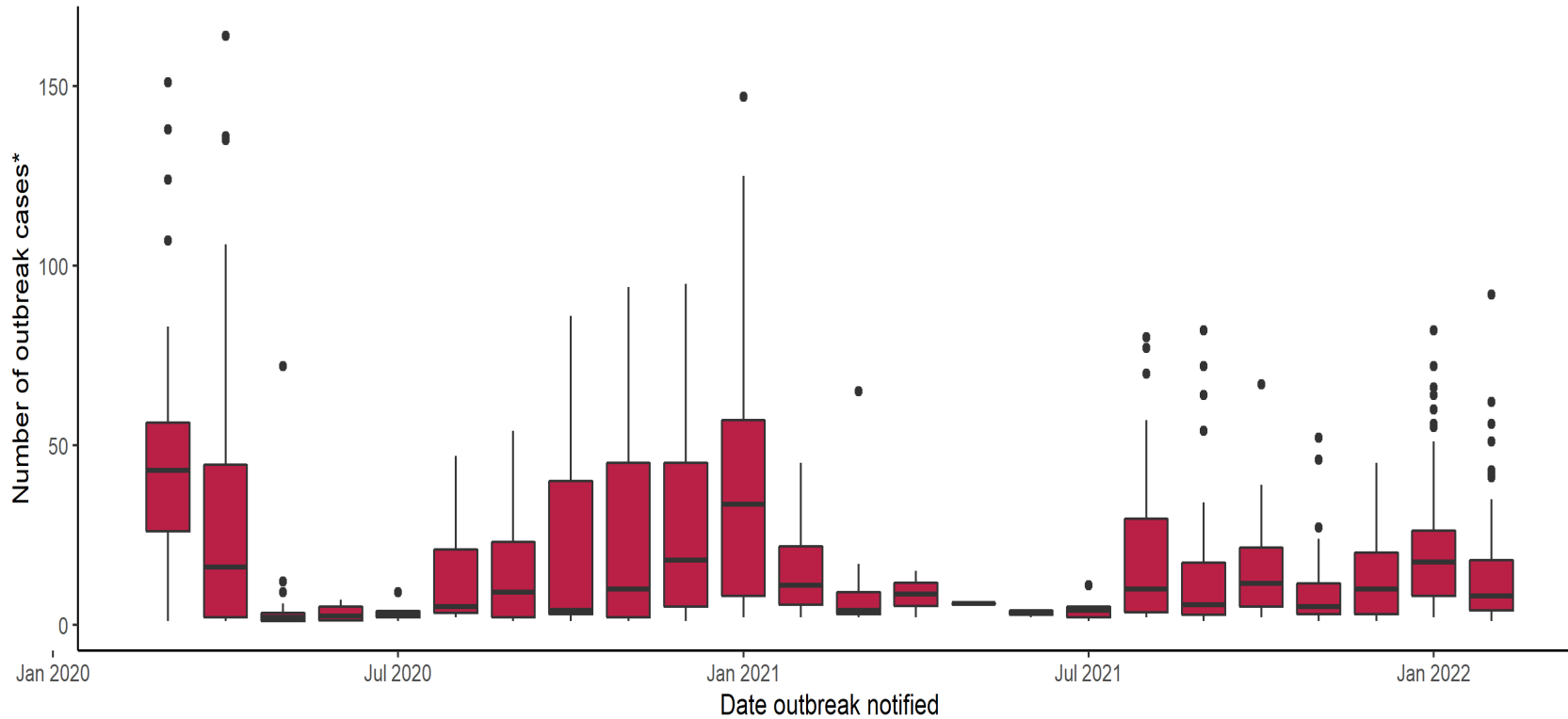
Note: disease severity information is only available for 4397/6230 (71%) cases in wave 5, and deaths may still accrue among known cases

# 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 18 in week 4 2022
- Note: only 71% 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 also likely an underestimate, as 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 17.5 and reduced to 8.0 in February (Note: data for February 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