



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

## Week 4 2022

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

#### Dates to note:

- Week 4 2022 (23<sup>rd</sup>-29<sup>th</sup> January 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 01/02/2022. 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 January 29<sup>th</sup> 2022 (week 4) and extracted from CIDR at 9 am on February 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



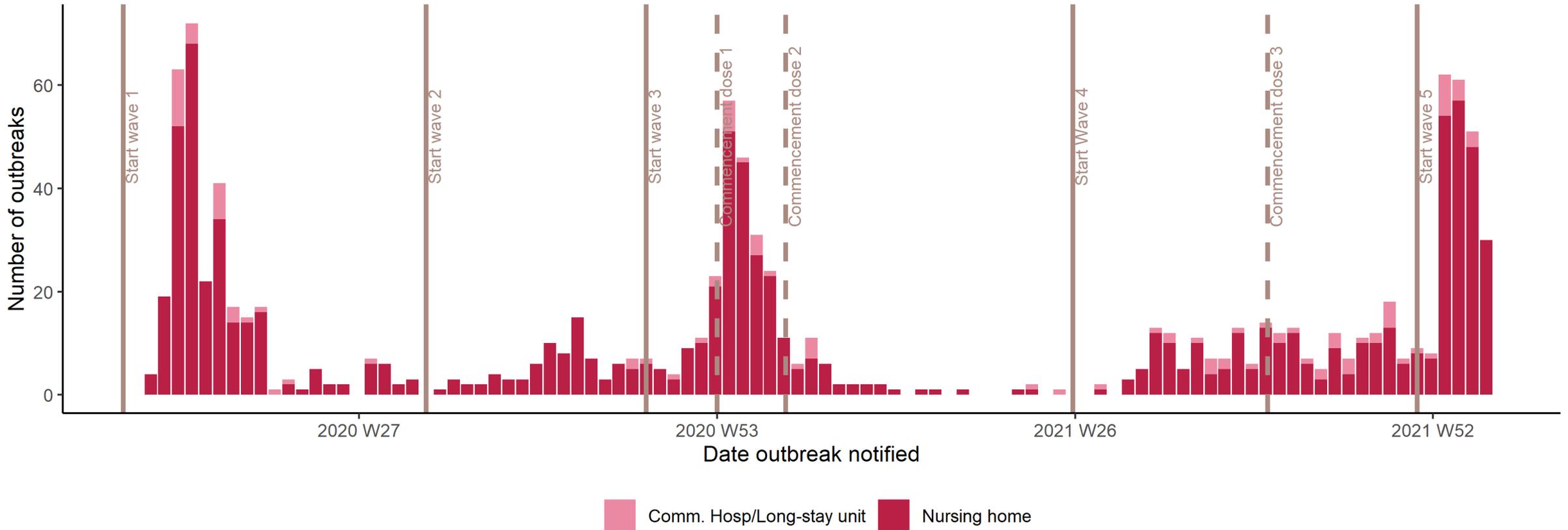
Wave	Outbreak		Linked confirmed cases				
	Number of outbreaks	Number of cases*	Number	Number hospitalised	Number admitted to ICU	Number hospitalised and died	Number who died
Wave 1 (weeks 10-31 2020)	302	6658	6251	476	16	195	884
Wave 2 (weeks 32-47 2020)	80	1571	1555	90	1	25	133
Wave 3 (week 48 2020 - week 25 2021)	267	8375	8329	577	12	198	1023
Wave 4 (weeks 26-50 2021)	202	2762	2663	187	2	48	197
Wave 5 (weeks 51 2021 – week 4 2022)	221	3283	NA	NA	NA	NA	NA
<b>Total</b>	<b>1072</b>	<b>22649</b>	<b>18798<sup>∞</sup></b>	<b>1330<sup>∞</sup></b>	<b>31<sup>∞</sup></b>	<b>466<sup>∞</sup></b>	<b>2237<sup>∞</sup></b>

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

<sup>∞</sup>waves 1-4 only

- Overall, there have been 1072 COVID-19 outbreaks in Nursing homes and Community Hospitals
- In waves 1-4, 1,330 of 18,798 laboratory confirmed outbreak cases have been hospitalised (7.1%)
- 2,237 deaths have been reported among confirmed outbreak cases in these settings (11.9%)

# 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 4 2022, 30 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 4 2022)



Outbreaks Location	Outbreak	
	Number of outbreaks	Number of cases*
Comm. Hosp/Long-stay unit	17	213
Nursing home	204	3070
<b>Total</b>	<b>221</b>	<b>3283</b>

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

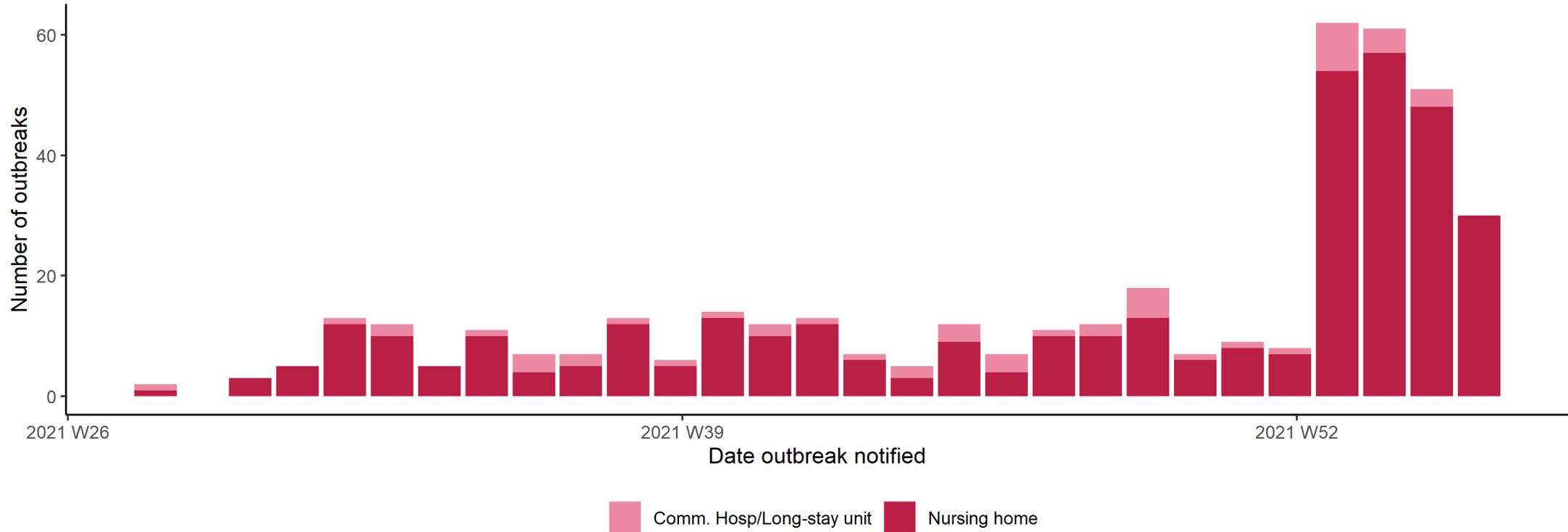
## Wave 5:

- 221 outbreaks in wave 5
- 3,283 cases were reported associated with these outbreaks

## Week 4 2022

- Thirty new outbreaks -277 associated cases (range 2-25 cases per outbreak)

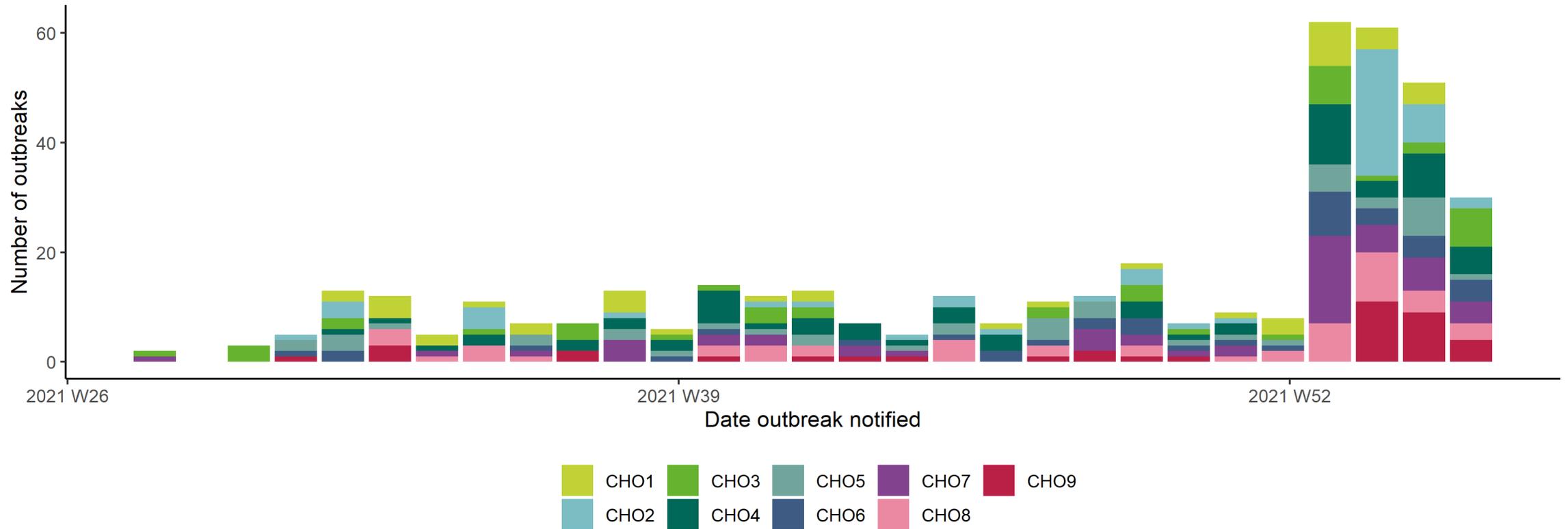
# Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, wave 4 & 5 (weeks 26 2021 – week 4 2022)



## Waves 4 and 5:

- 423 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 week 1 2022 and decreased since to 30 outbreaks in week 4 2022

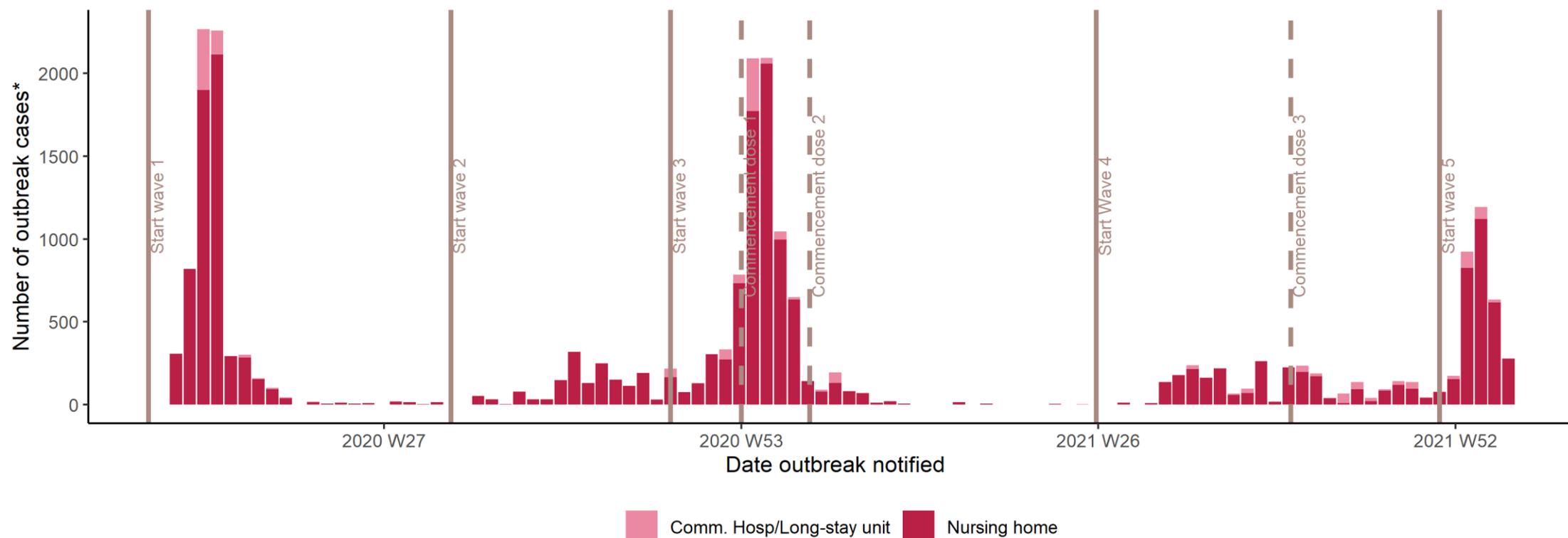
# Regional distribution of outbreaks in Nursing Home and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 4 2022)



## Waves 4 and 5:

- The highest number of outbreaks was reported in CHO4 (64 outbreaks) followed by CHO7 (54 outbreaks)
- Eight CHOs were represented in the 30 outbreaks notified in week 4 2022

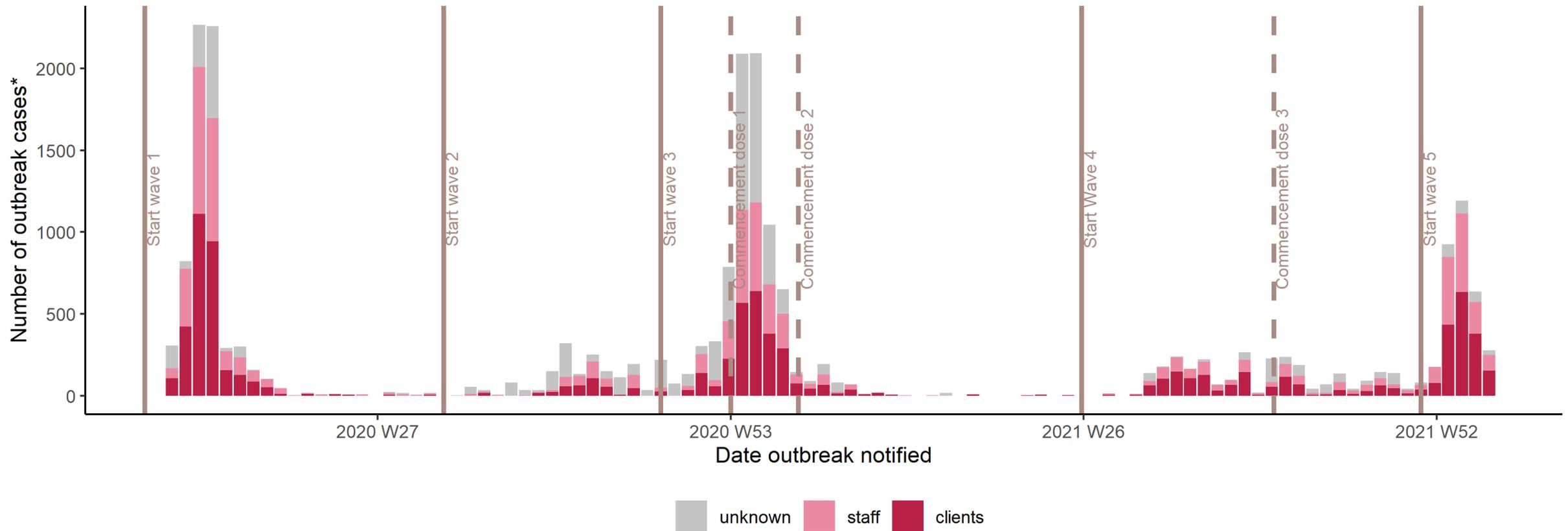
# Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, waves 1 to 5



In week 4 2022, the number of outbreak associated cases was 277. The peak in weekly case numbers in wave 5 is in week 2 2022 with 1193 cases. This is four times the peak weekly number of cases in wave 4 (n=265), and just over half 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 4, 95 outbreak associated cases were among staff and 152 among residents, with 30 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.

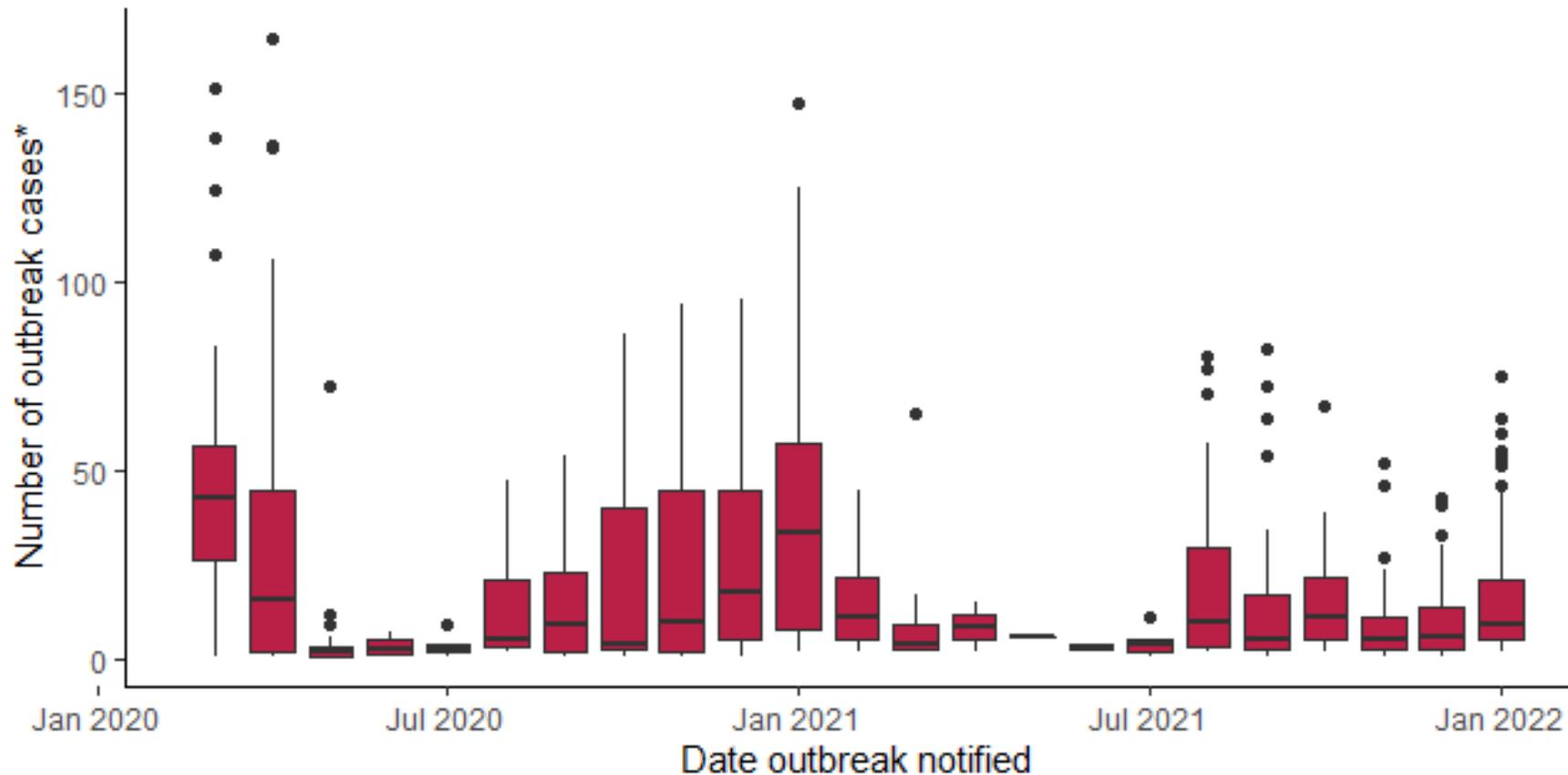
# Comparison of disease severity among cases linked to outbreaks in Nursing Homes and Community Hospitals by wave and age group



Age group	Wave	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<b>&lt;65 yrs</b>	Wave 1	2672	88	3.3%	5	0.2%	20	0.7%
	Wave 2	779	15	1.9%	0	0.0%	1	0.1%
	Wave 3	4033	101	2.5%	8	0.2%	18	0.4%
	Wave 4	1152	15	1.3%	1	0.1%	7	0.6%
	Wave 5	NA	NA	NA	NA	NA	NA	NA
<b>65+ yrs</b>	Wave 1	3577	388	10.8%	11	0.3%	864	24.2%
	Wave 2	776	75	9.7%	1	0.1%	132	17.0%
	Wave 3	4296	476	11.1%	4	0.1%	1005	23.4%
	Wave 4	1511	172	11.4%	1	0.1%	190	12.6%
	Wave 5	NA	NA	NA	NA	NA	NA	NA
<b>All ages</b>	Wave 1	6251	476	7.6%	16	0.3%	884	14.1%
	Wave 2	1555	90	5.8%	1	0.1%	133	8.6%
	Wave 3	8329	577	6.9%	12	0.1%	1023	12.3%
	Wave 4	2663	187	7.0%	2	0.1%	197	7.4%
	Wave 5	NA	NA	NA	NA	NA	NA	NA

The percentage of cases 65 years or older who died among cases linked to outbreaks notified in wave 4 was 12.6%, compared to between 17.0% and 24.2% in waves 1-3

# 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 has increased slightly to 9.0 compared with 6.0 in December 2021

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