



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

Week 5 2022

Health Protection Surveillance Centre, 8th February 2022

Dates to note:

- Week 5 2022 (30th January to 5th February 2022)
- Week 10 2020 (1st to 7th March 2020) –The beginning of the pandemic in Ireland
- Wave 5 of the pandemic in Ireland (Week 51 (week commencing 19th 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 08/02/2022. 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 February 5th 2022 (week 5) and extracted from CIDR at 9 am on February 8th 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

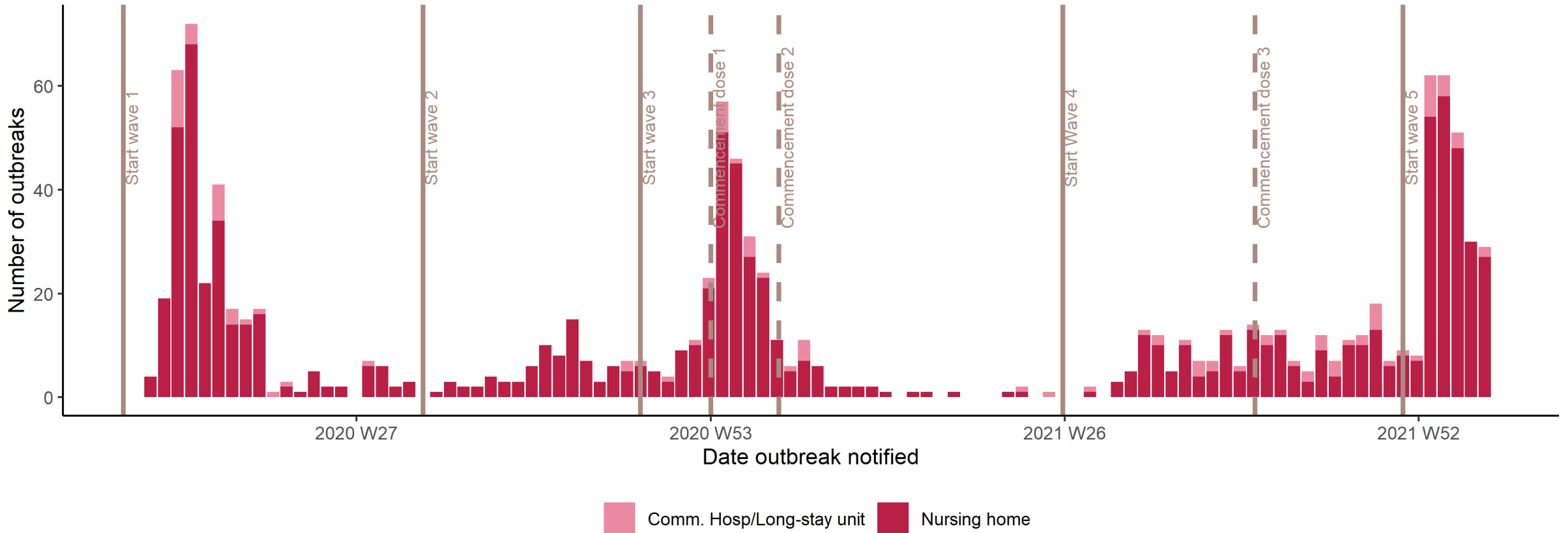


Wave	Outbreak		Linked confirmed cases				
	Number of outbreaks	Number of cases*	Number	Number hospitalised	Number admitted to ICU	Number hospitalised and died	Number who died
Wave 1 (weeks 10-31 2020)	302	6658	6251	476	16	195	884
Wave 2 (weeks 32-47 2020)	80	1571	1555	90	<5	25	133
Wave 3 (week 48 2020 - week 25 2021)	267	8375	8329	577	12	198	1023
Wave 4 (weeks 26-50 2021)	202	2766	2666	188	<5	48	197
Wave 5 (weeks 51 2021 – week 4 2022)	251	4099	2365	98	<5	5	34
Total	1102	23469	21166	1429	32	471	2271

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

- Overall, there have been 1102 COVID-19 outbreaks in Nursing homes and Community Hospitals
- 1,429 of 21,166 laboratory confirmed outbreak cases have been hospitalised (6.8%)
- 2,271 deaths have been reported among confirmed outbreak cases in these settings (10.7%)

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 5 2022, 29 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 5 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	19	267	162	17	<5	<5	<5
Nursing home	232	3832	2203	81	<5	5	32
Total	251	4099	2365	98	<5	<5	34

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

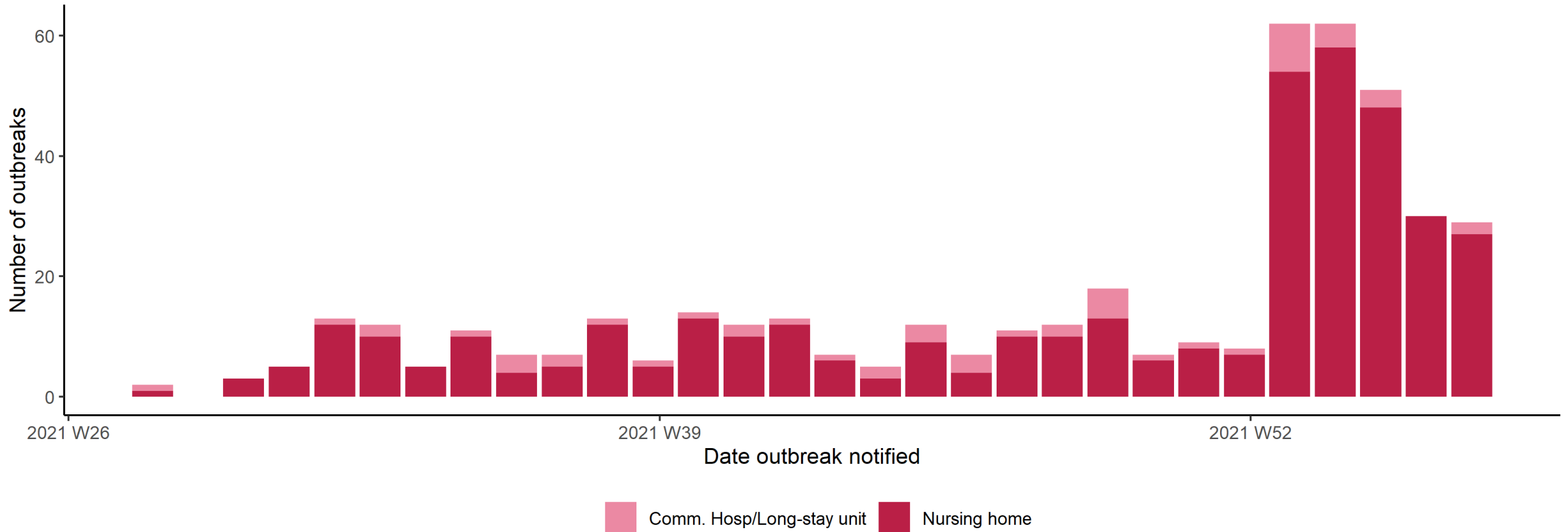
Wave 5:

- 251 outbreaks in wave 5
- 4,099 cases were reported associated with these outbreaks, of which there was disaggregate data available on 2,365 cases (**58%**)
- 98 of the 2365 outbreak-linked cases (4.1%) were hospitalised (age range 21-99 years, median 80 years).
- 34 of the 2,365 outbreak-linked cases (1.4%) cases died (age range 64-101 years, median 84 years).

Week 5 2022

- Twenty-nine new outbreaks -221 associated cases (range 1-42 cases per outbreak)

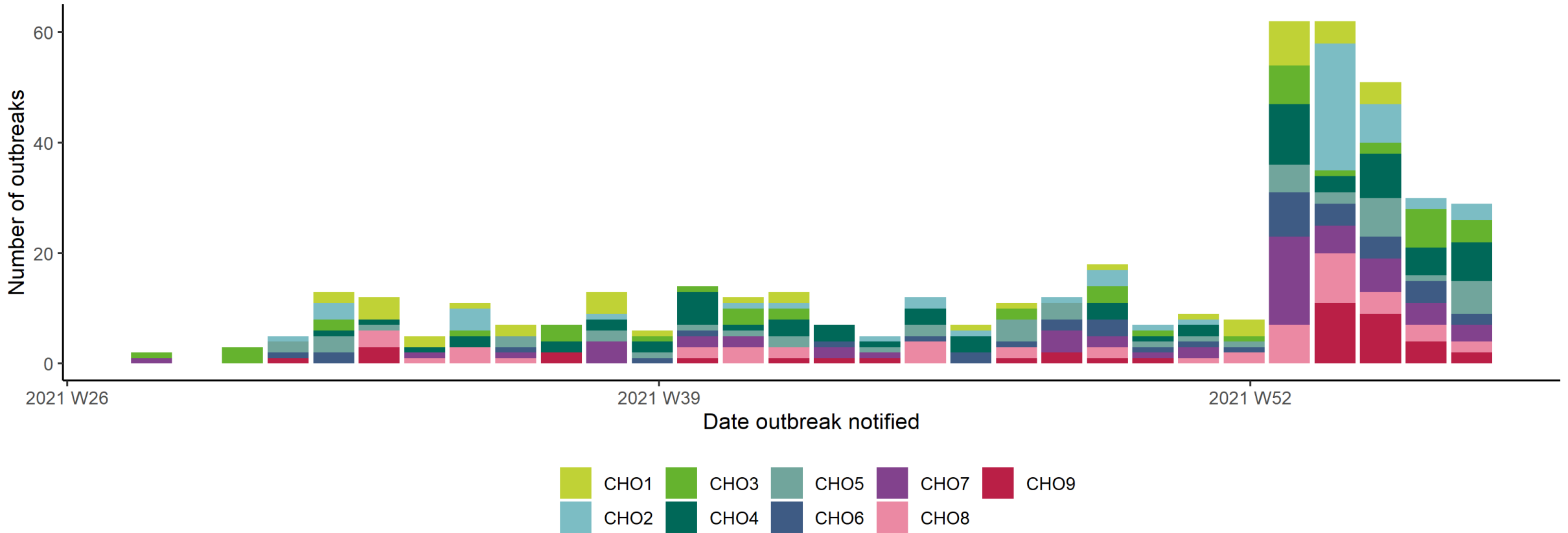
Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 5 2022)



Waves 4 and 5:

- 453 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 and decreased since to 29 outbreaks in week 5 2022

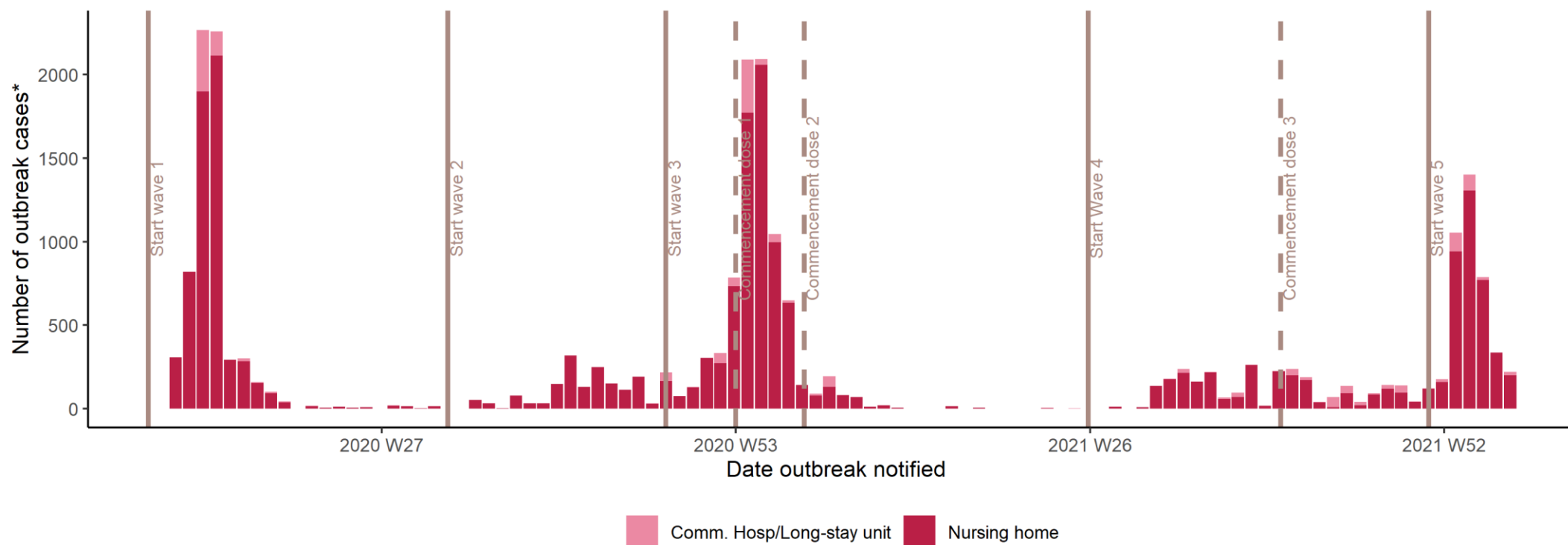
Regional distribution of outbreaks in Nursing Home and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 5 2022)



Waves 4 and 5:

- The highest number of outbreaks was reported in CHO4 (71 outbreaks) followed by CHO7 (57 outbreaks)
- Eight CHOs were represented in the 29 outbreaks notified in week 5 2022

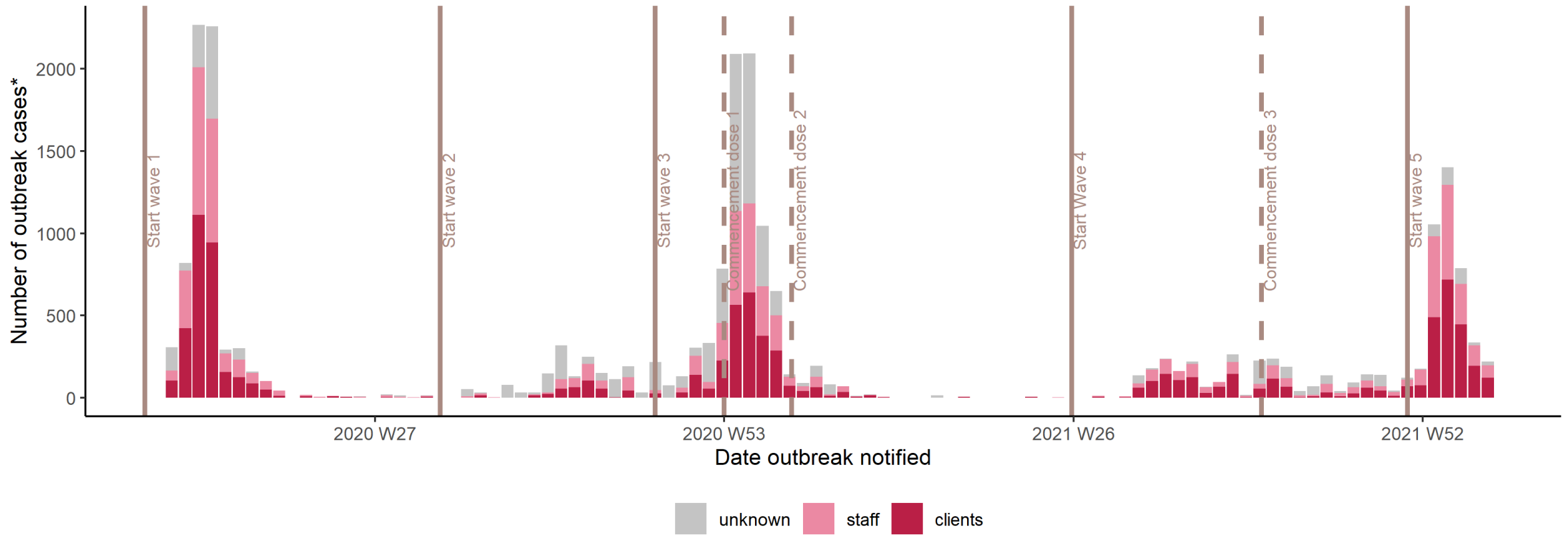
Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 1 to 5



For outbreaks reported in week 5 2022, the number of outbreak associated cases was 221. The peak in weekly case numbers in wave 5 was in outbreaks reported in week 2 2022 with 1401 cases. This is five times the peak weekly number of cases in wave 4 (n=265), and 70% 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 5, 77 outbreak associated cases were among staff and 121 among residents, with 23 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 5 2022)

Age group	Number	Number hospitalised*	% hospitalised	Number admitted to ICU*	% ICU	Number who died*	% died
<45 yrs	681	17	2.5%	<5	0.0%	<5	0.0%
45-64 yrs	406	18	4.4%	<5	0.0%	<5	0.2%
65-74 yrs	156	7	4.5%	<5	0.0%	5	3.2%
75-84 yrs	461	21	4.6%	<5	0.0%	12	2.6%
85+ yrs	661	35	5.3%	<5	0.0%	16	2.4%
Total	2365	98	4.1%	<5	0.0%	34	1.4%

*disease severity information is only available for 2365/4099 (58%) of cases in wave 5, and deaths may also 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

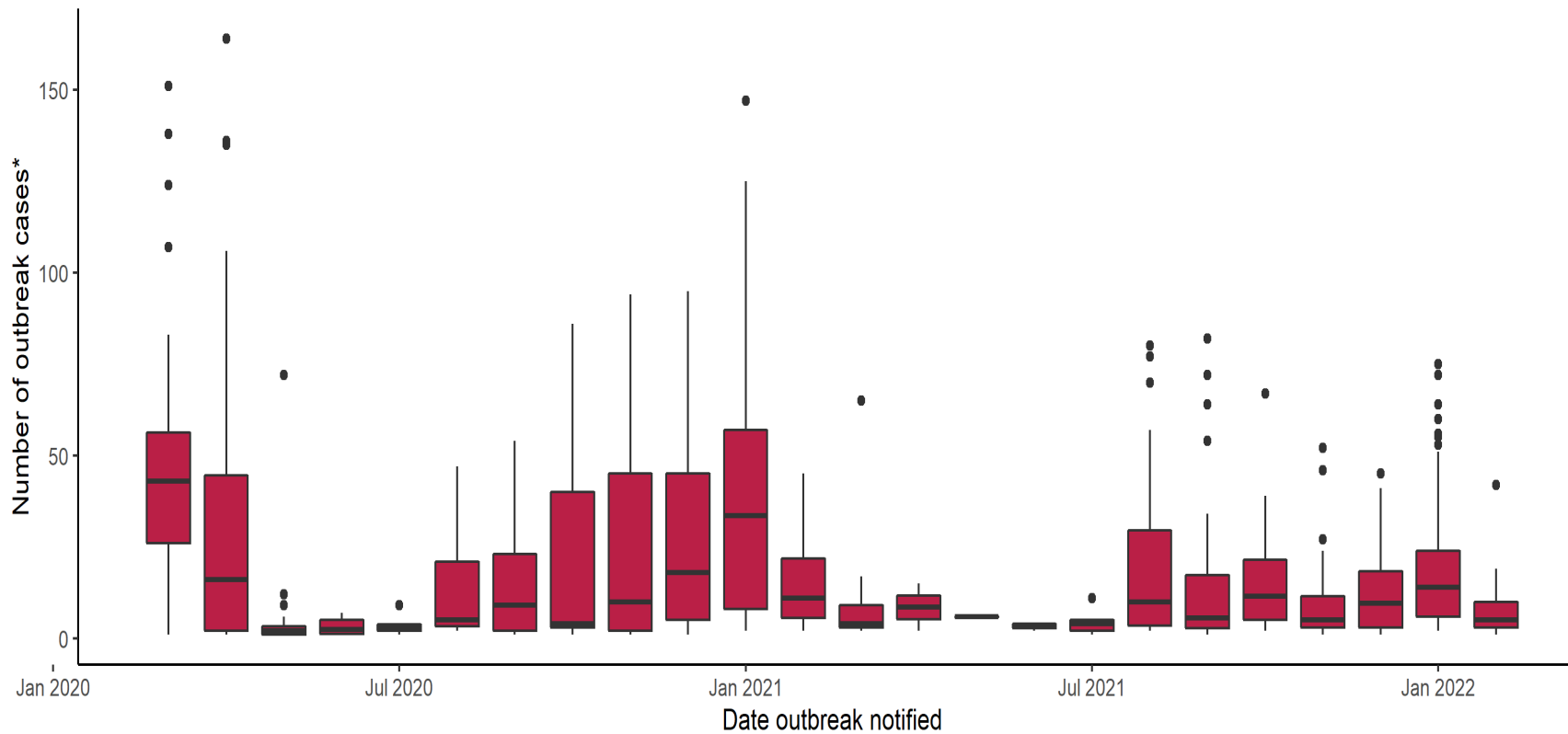


Age group	Wave	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<65 yrs	Wave 1	2672	88	3.3%	5	0.2%	20	0.7%
	Wave 2	779	15	1.9%	<5	0.0%	<5	0.1%
	Wave 3	4033	101	2.5%	8	0.2%	18	0.4%
	Wave 4	1153	16	1.4%	<5	0.2%	7	0.6%
	Wave 5*	1087	35	3.2%	<5	0.0%	<5	0.1%
65+ yrs	Wave 1	3577	388	10.8%	11	0.3%	864	24.2%
	Wave 2	776	75	9.7%	<5	0.1%	132	17.0%
	Wave 3	4296	476	11.1%	<5	0.1%	1005	23.4%
	Wave 4	1513	172	11.4%	<5	0.1%	190	12.6%
	Wave 5*	1278	63	4.9%	<5	0.0%	33	2.6%
All ages	Wave 1	6251	476	7.6%	16	0.3%	884	14.1%
	Wave 2	1555	90	5.8%	<5	0.1%	133	8.6%
	Wave 3	8329	577	6.9%	12	0.1%	1023	12.3%
	Wave 4	2666	188	7.1%	<5	0.1%	197	7.4%
	Wave 5*	2365	98	4.1%	<5	0.0%	34	1.4%

The percentage of cases 65 years or older who died among cases linked to outbreaks notified in wave 4 was 12.6% and in wave 5 was 2.6%, compared to between 17.0% and 24.2% in waves 1-3

***disease severity information is only available for 2365/4099 (58%) of cases in wave 5, and deaths may also 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 has increased to 14.0 compared with 9.5 now for 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