



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

Week 6 2022

Health Protection Surveillance Centre, 15th February 2022

Dates to note:

- Week 6 2022 (February 6th -12th 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 15/02/2022. 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 12th 2022 (week 6) and extracted from CIDR at 9 am on February 15th 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

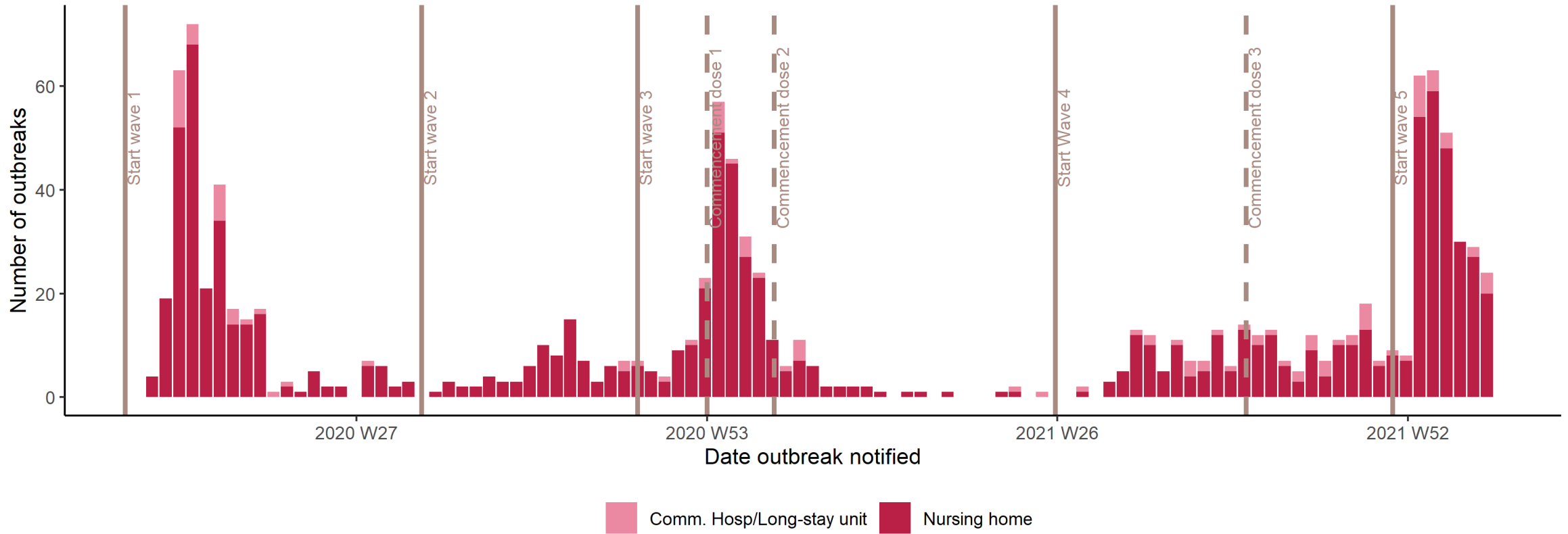


Wave	Outbreak		Linked confirmed cases				
	Number of outbreaks	Number of cases*	Number	Number hospitalised	Number admitted to ICU	Number hospitalised and died	Number who died
Wave 1 (weeks 10-31 2020)	301	6658	6251	476	16	195	884
Wave 2 (weeks 32-47 2020)	80	1571	1555	90	<5	25	134
Wave 3 (week 48 2020 - week 25 2021)	267	8375	8329	577	12	199	1027
Wave 4 (weeks 26-50 2021)	202	2803	2690	188	<5	49	202
Wave 5 (weeks 51 2021 – week 6 2022)	276	4779	3003	113	<5	8	44
Total	1126	24186	21828	1444	32	476	2291

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

- Overall, there have been 1,126 COVID-19 outbreaks in Nursing homes and Community Hospitals
- 1,444 of 21,828 laboratory confirmed outbreak cases have been hospitalised (6.6%)
- 2,291 deaths have been reported among confirmed outbreak cases in these settings (10.5%)

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 6 2022, 24 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 6 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	23	300	218	21	<5	<5	<5
Nursing home	253	4479	2785	92	<5	8	42
Total	276	4779	3003	113	<5	8	44

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

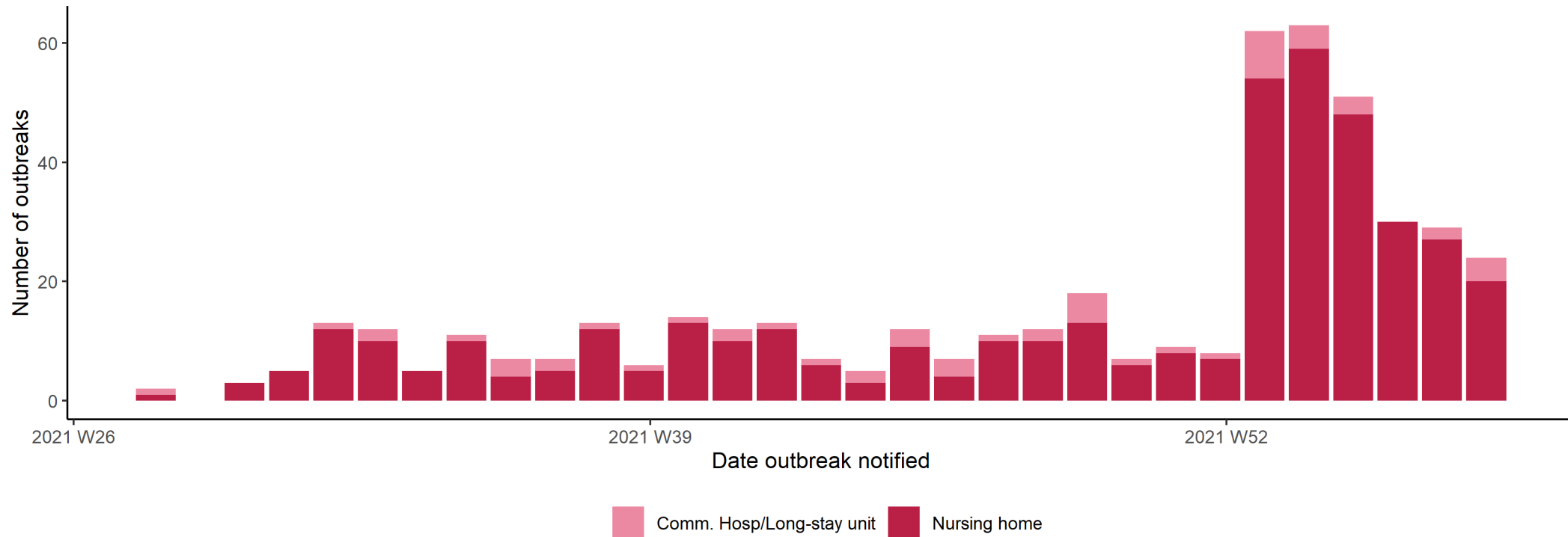
Wave 5:

- 276 outbreaks in wave 5
- 4,779 cases were reported associated with these outbreaks, of which there was disaggregate data available on 3,003 cases (63%)
- 113 of the 3,003 outbreak-linked cases (3.8%) were hospitalised (age range 21-99 years, median 79 years)
- 44 of the 3,003 outbreak-linked cases (1.5%) cases died (age range 64-101 years, median 86 years)

Week 6 2022

- Twenty-four new outbreaks -241 associated cases (range 2-27 cases per outbreak)

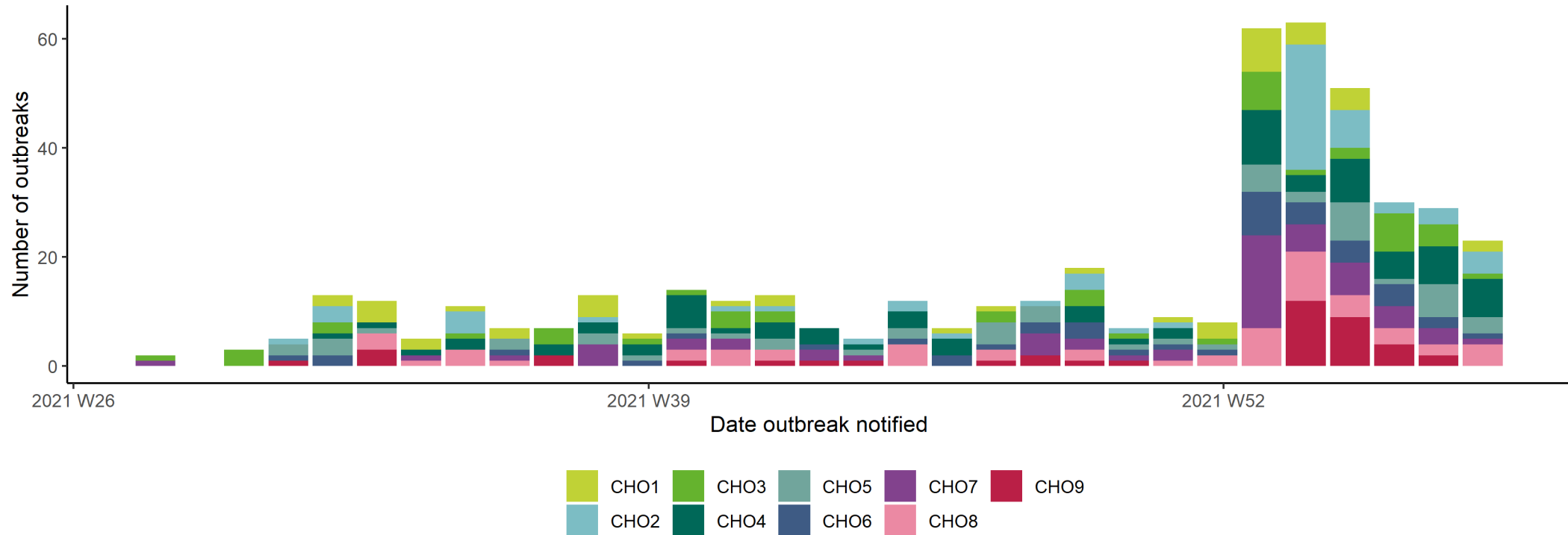
Weekly number of COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 6 2022)



Waves 4 and 5:

- 478 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 and decreased since to 24 outbreaks in week 6 2022

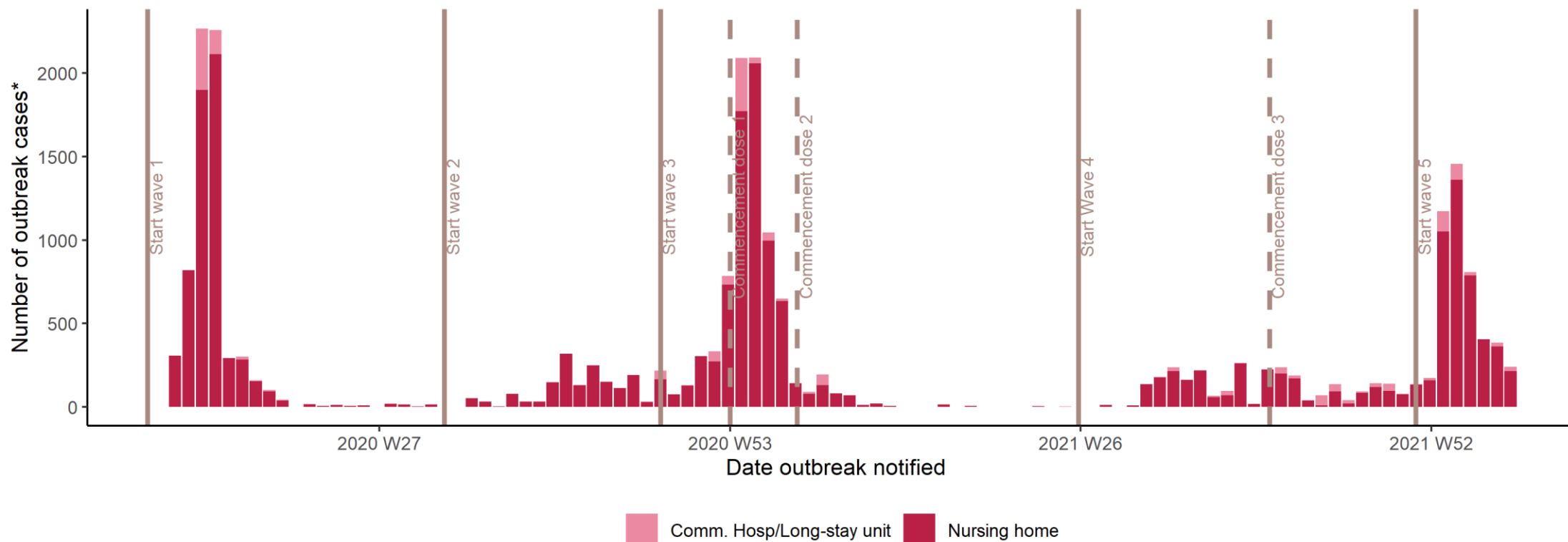
Regional distribution of outbreaks in Nursing Home and Community Hospitals, Waves 4 & 5 (weeks 26 2021 – week 6 2022)



Waves 4 and 5:

- The highest number of outbreaks was reported in CHO4 (77 outbreaks) followed by CHO2 (60 outbreaks)
- Eight CHOs were represented in the 24 outbreaks notified in week 6 2022

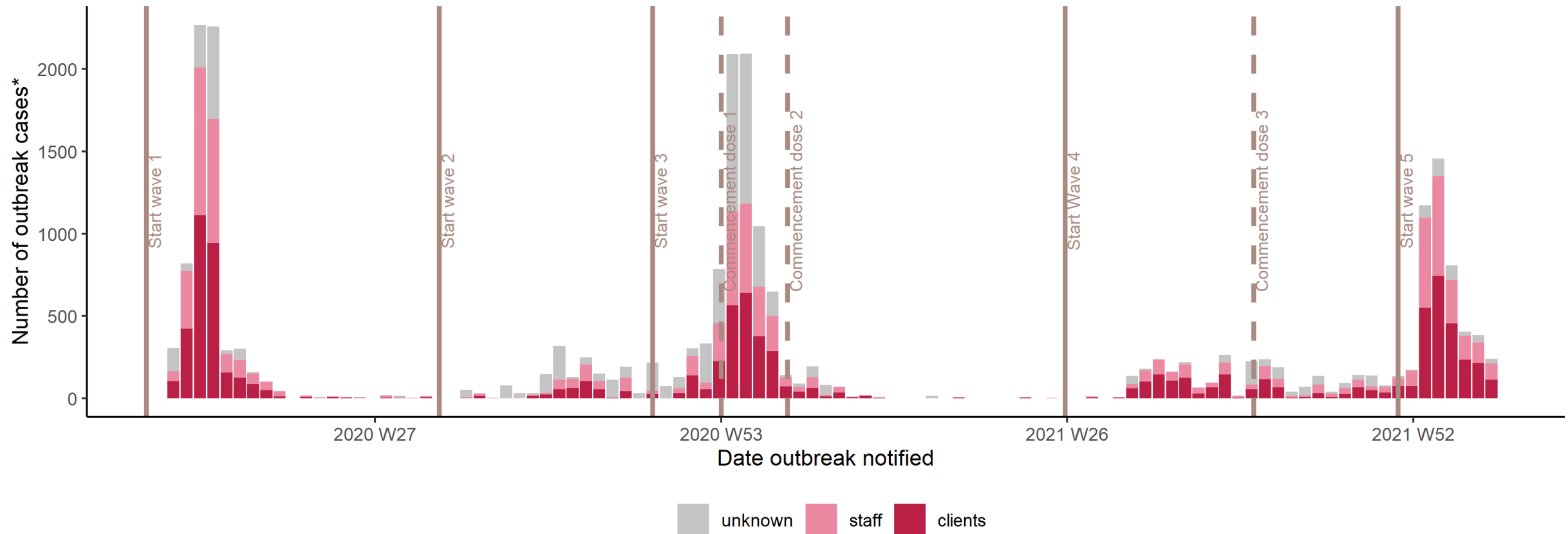
Cases associated with COVID-19 outbreaks in Nursing Homes and Community Hospitals, Waves 1 to 5



For outbreaks reported in week 6 2022, the number of outbreak associated cases was 241. The peak in weekly case numbers in wave 5 was in outbreaks reported in week 2 2022 with 1456 cases. This is 5.5 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 6, 100 outbreak associated cases were among staff and 113 among residents, with 28 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 6 2022)

Age group	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<45 yrs	869	17	2.0%	<5	0.0%	<5	0.0%
45-64 yrs	513	21	4.1%	<5	0.0%	<5	0.2%
65-74 yrs	204	10	4.9%	<5	0.0%	5	2.5%
75-84 yrs	600	27	4.5%	<5	0.0%	16	2.7%
85+ yrs	817	38	4.7%	<5	0.0%	22	2.7%
Total	3003	113	3.8%	<5	0.0%	44	1.5%

Note: disease severity information is only available for 3003/4779 (63%) 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

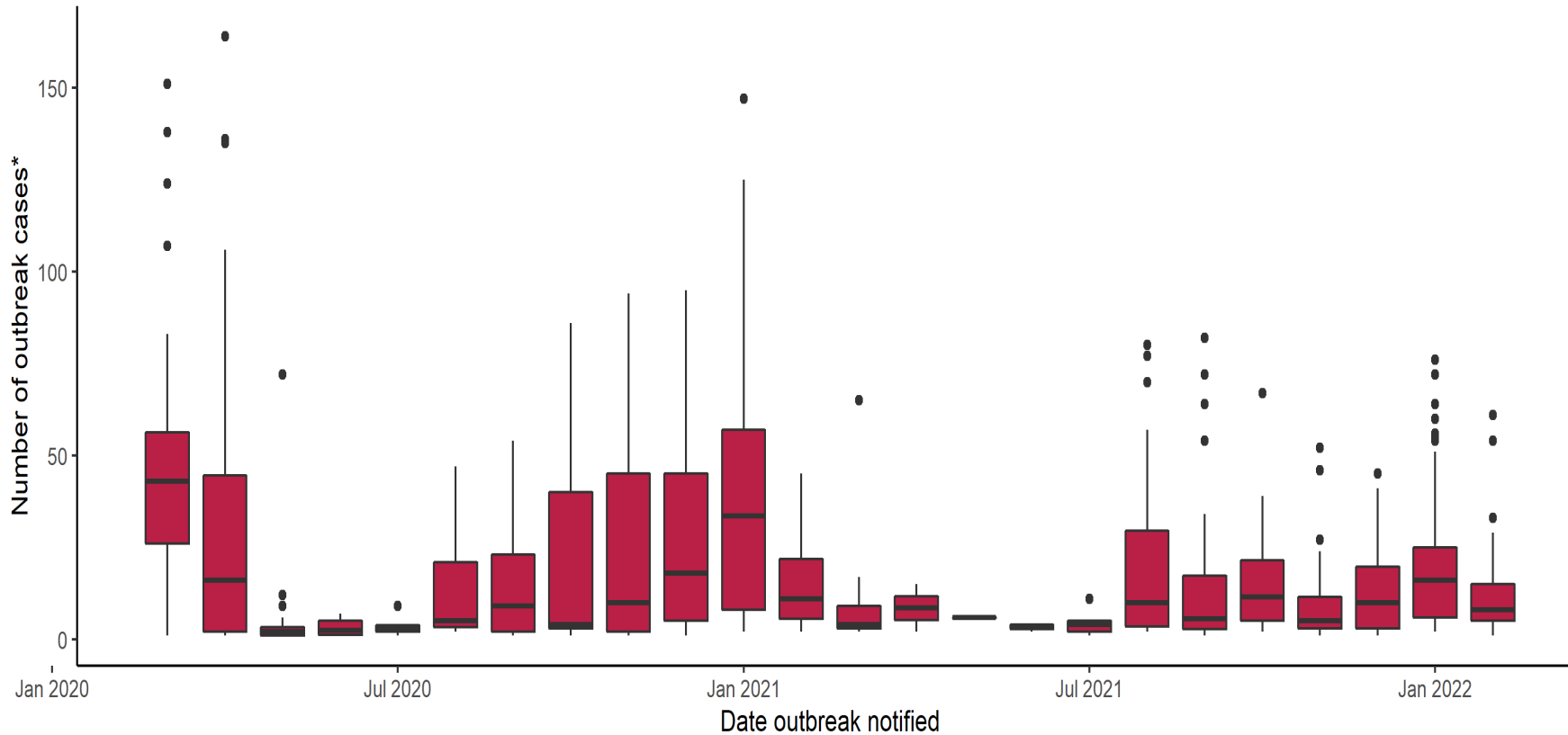


Age group	Wave	Number	Number hospitalised	% hospitalised	Number admitted to ICU	% ICU	Number who died	% died
<65 yrs	Wave 1	2672	88	3.3%	5	0.2%	20	0.7%
	Wave 2	779	15	1.9%	<5	0.0%	<5	0.1%
	Wave 3	4033	101	2.5%	8	0.2%	18	0.4%
	Wave 4	1165	16	1.4%	<5	0.2%	7	0.6%
	Wave 5	1382	38	2.7%	<5	0.0%	<5	0.1%
65+ 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	1525	172	11.3%	<5	0.1%	195	12.8%
	Wave 5	1621	75	4.6%	<5	0.0%	43	2.7%
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	8329	577	6.9%	12	0.1%	1027	12.3%
	Wave 4	2690	188	7.0%	<5	0.1%	202	7.5%
	Wave 5	3003	113	3.8%	<5	0.0%	44	1.5%

The percentage of cases 65 years or older who died among cases linked to outbreaks notified in wave 4 was 12.8% and in wave 5 was 2.7%, compared to between 17.0% and 24.2% in waves 1-3

Note: disease severity information is only available for 3003/4779 (63%) 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 16.0 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