



Weekly report on the epidemiology of COVID-19 in Ireland

Week 17, 2023

- The epidemiological weeks in this report, run from Sunday to Saturday. Please refer to the [HPSC website](#) for a complete list of epidemiological weeks with start and end dates for 2020-2023.
- Data for this report are based on cases notified on the Computerised Infectious Disease Reporting (CIDR) up to midnight 29/04/2023. Data were extracted from CIDR system on 02/05/2023. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
- Data should be interpreted in the context of the current testing policy. Testing policies can affect the number and age distribution of confirmed cases notified on CIDR. Information on the current testing policy in Ireland can be found [here](#)

Key points

Notified confirmed cases

- In week 17 (between April 23 and April 29 2023) there were 482 new confirmed COVID-19 cases reported on CIDR. This is a decrease of 21.5% compared to week 16 when there were 614 confirmed COVID-19 cases notified.
- The highest number of new confirmed COVID-19 cases in week 17 was in the age group of 75-84 years with 24.9% of notified cases in week 17.

Laboratory data of SARS-CoV-2 PCR tests

- In week 17, a total of 5,326 SARS-CoV-2 tests were performed, of which 532 (10%) were positive. This is stable compared to the previous week, 16, when 9.8% were positive.

Deaths

- Since the start of the pandemic 8,866 COVID-19 deaths among notified COVID-19 cases have been reported on CIDR. Of these, 4 had a date of death in week 17.

Table 1: Summary characteristics of COVID-19 cases notified in Ireland during week 17, 2023 and 2023 to date

	Week 17, 2023		Total 2023	
	Number	Percentage	Number	Percentage
Total number of confirmed cases	482		17,001	
Incidence rate of confirmed cases per 100,000 population	10.1		357	
Severe cases				
Number of cases hospitalised	267*	55.39	5,910*	34.76
Number of cases admitted to ICU	2*	0.41	69*	0.41
Number of deaths among confirmed cases	2*	0.41	267*	1.57

** The number of cases hospitalised, cases admitted to ICU and deaths described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations, ICU admissions and deaths related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised, admitted to ICU or deaths for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified*

Confirmed cases of COVID-19

Since the start of 2023, 17,001 confirmed COVID-19 cases have been notified on CIDR. In the past week, week 17 2023, 482 confirmed COVID-19 cases were reported on CIDR. This is a decrease of 21.5% compared to week 16 when 614 confirmed COVID-19 cases were notified. Figure 1 shows the epidemiological curve of COVID-19 cases notified in Ireland from week 1 2022 to week 17 2023. Data since the start of the pandemic is available on the [Epidemiology of COVID-19 in Ireland infohub](#).

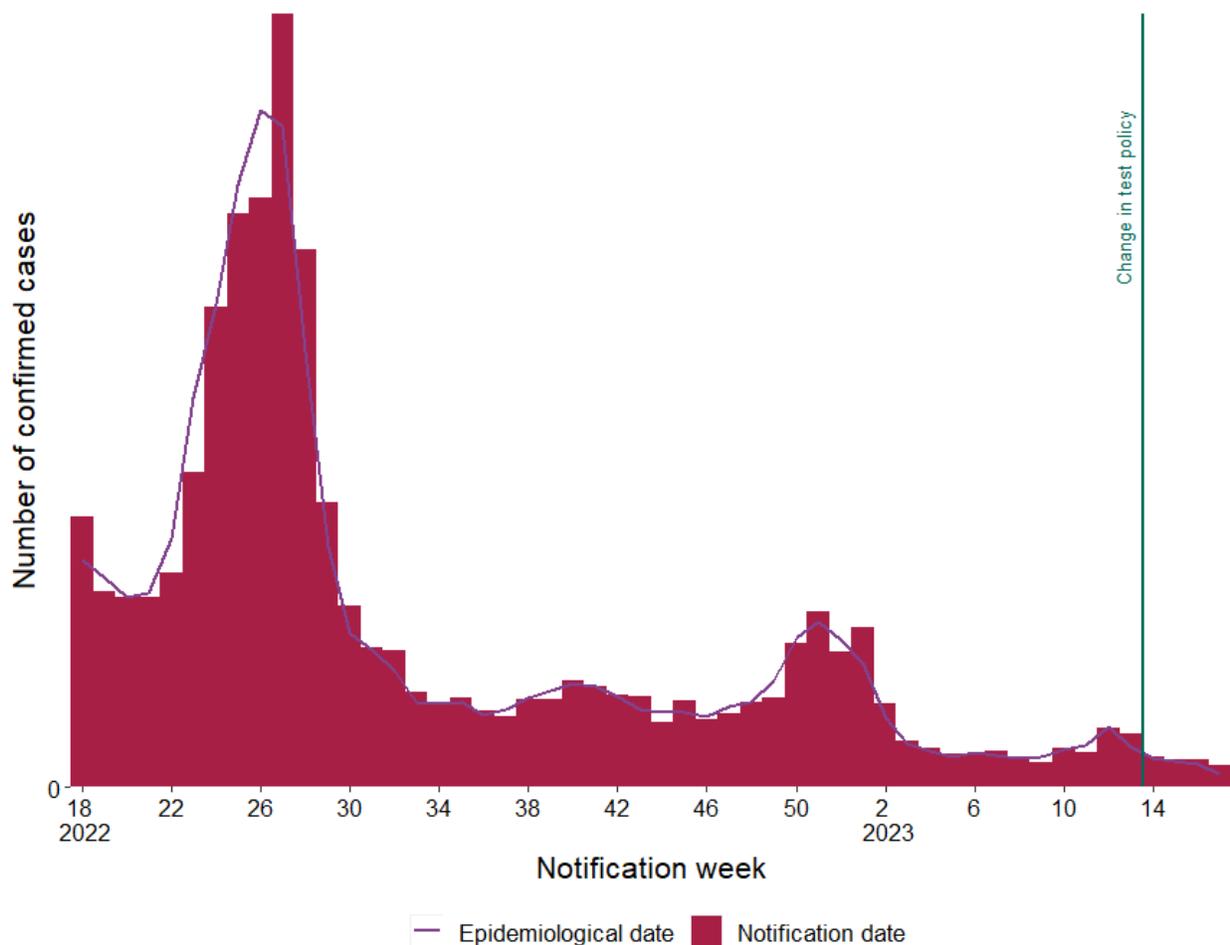


Figure 1a: Number of confirmed COVID-19 cases by notification week and epidemiological date in Ireland between week 18, 2022 and week 17, 2023. The red bars represent the number of confirmed cases by notification date. The purple line represents the number of cases by epidemiological date. The dark blue horizontal lines indicate a change in test policy^{1 2}

¹ Since 28/02/2022 (week 9, 2022), PCR testing was only needed for symptomatic people in the community within certain risk groups: those who have not had booster vaccination and are aged 55 years and older; those with a high-risk medical conditions; those who are immunocompromised; those who live in the same household as a person who is immunocompromised; those who provide care or support for person they know to be immunocompromised; those who are pregnant; Healthcare Workers.

² Since 30/03/2023 (week 13, 2023), community test centres closed and PCR testing was only performed based on clinical assessment.

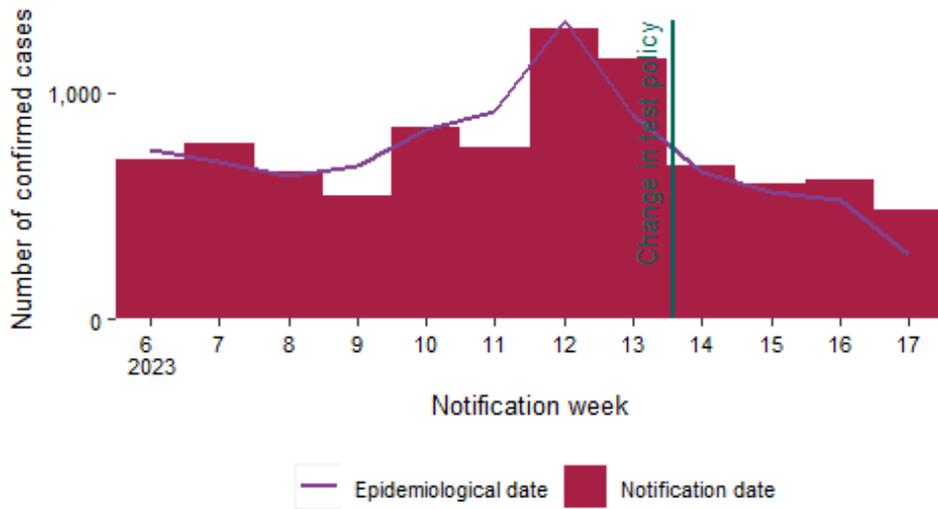
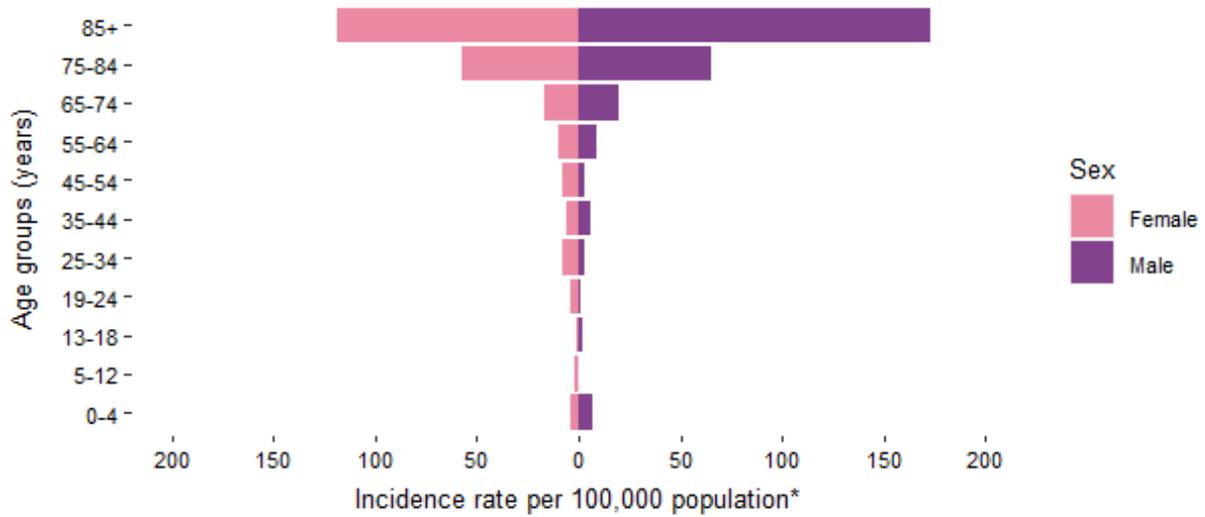


Figure 1b: Number of confirmed COVID-19 cases by notification week and epidemiological date in Ireland in the last 12 weeks. The red bars represent the number of confirmed cases by notification date. The purple line represents the number of cases by epidemiological date.

Confirmed COVID-19 cases by age and sex

Table 2: Summary characteristics by age and sex of COVID-19 cases notified in Ireland during week 17, 2023 and 2023 to date

	Week 17, 2023		Total 2023	
	Number	Percentage	Number	Percentage
Gender				
Males	216	44.8	6,952	40.9
Females	266	55.2	10,046	59.1
M:F ratio	0.81		0.69	
Age (years)				
Mean age	63		55	
Median age	71		55	
Age range	0 - 99		0 - 102	
Age groups (years)				
0-4	19	3.9	518	3.0
5-12	6	1.2	179	1.1
13-18	5	1.0	235	1.4
19-24	8	1.7	666	3.9
25-34	36	7.5	2,006	11.8
35-44	45	9.3	2,518	14.8
45-54	34	7.1	2,310	13.6
55-64	48	10.0	2,108	12.4
65-74	68	14.1	1,974	11.6
75-84	120	24.9	2,559	15.1
85+	93	19.3	1,925	11.3
Unknown	NA	0.0	3	0.0



*Excluding 0 for whom age is unknown, 0 for whom sex is unknown and 0 for whom both are unknown

Figure 2: Cumulative age and sex specific incidence rates of confirmed COVID-19 cases per 100,000 population for current week 17, 2023

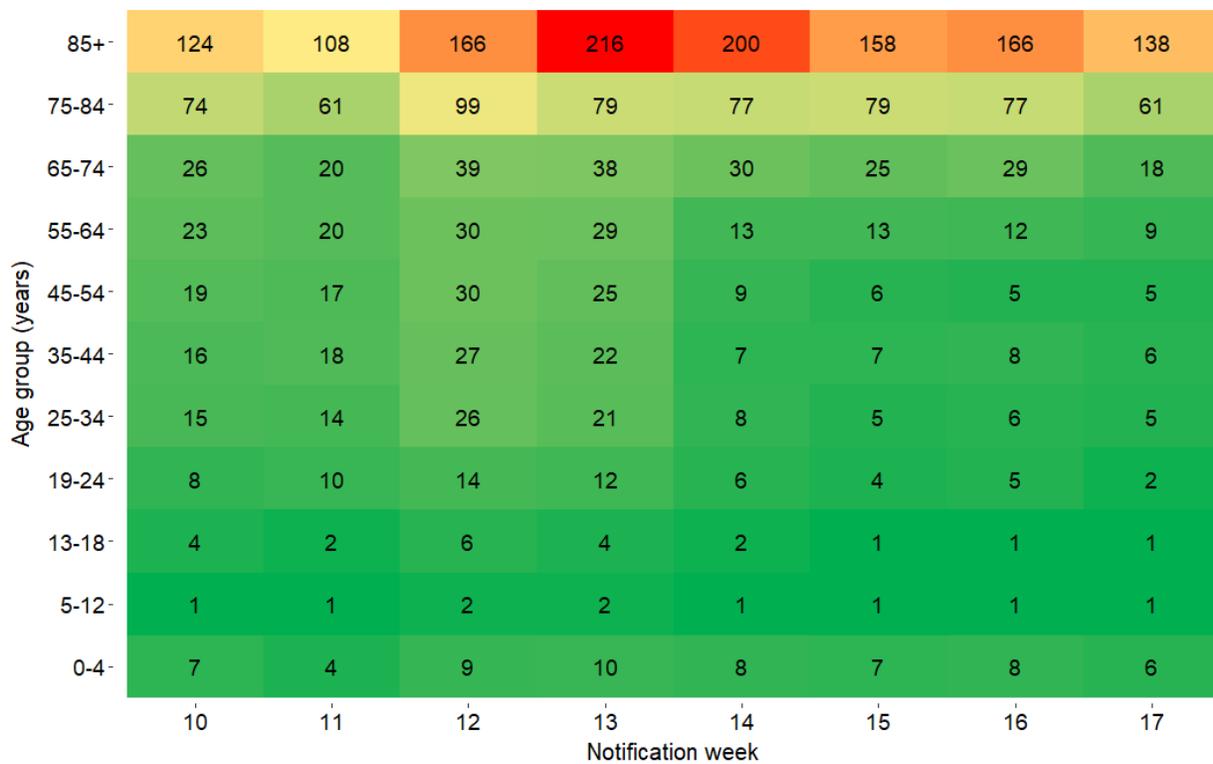


Figure 3: Heat map of weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland for the last 8 weeks

Cases and incidence by county

Table 3: Characteristics of confirmed COVID-19 cases by county and descending incidence rate per 100,000 notified in Ireland, during week 17, 2023*

County	Number of cases	Percent	Incidence rate per 100,000
Waterford	37	7.7	31.8
Carlow	13	2.7	22.8
Kerry	32	6.6	21.7
Clare	24	5.0	20.2
Louth	24	5.0	18.6
Kilkenny	17	3.5	17.1
Limerick	31	6.4	15.9
Offaly	11	2.3	14.1
Mayo	18	3.7	13.8
Donegal	21	4.4	13.2
Roscommon	8	1.7	12.4
Tipperary	16	3.3	10.0
Laois	8	1.7	9.4
Cork	47	9.8	8.7
Wexford	13	2.7	8.7
Kildare	18	3.7	8.1
Dublin	102	21.2	7.6
Sligo	5	1.0	7.6
Galway	19	3.9	7.4
Westmeath	5	1.0	5.6
Cavan	4	0.8	5.3
Monaghan	2	0.4	3.3
Longford	1	0.2	2.4
Wicklow	3	0.6	2.1
Meath	3	0.6	1.5
Leitrim	0	0.0	0.0

* County data may not be accurately reflected in the most recent week due to ongoing data validations

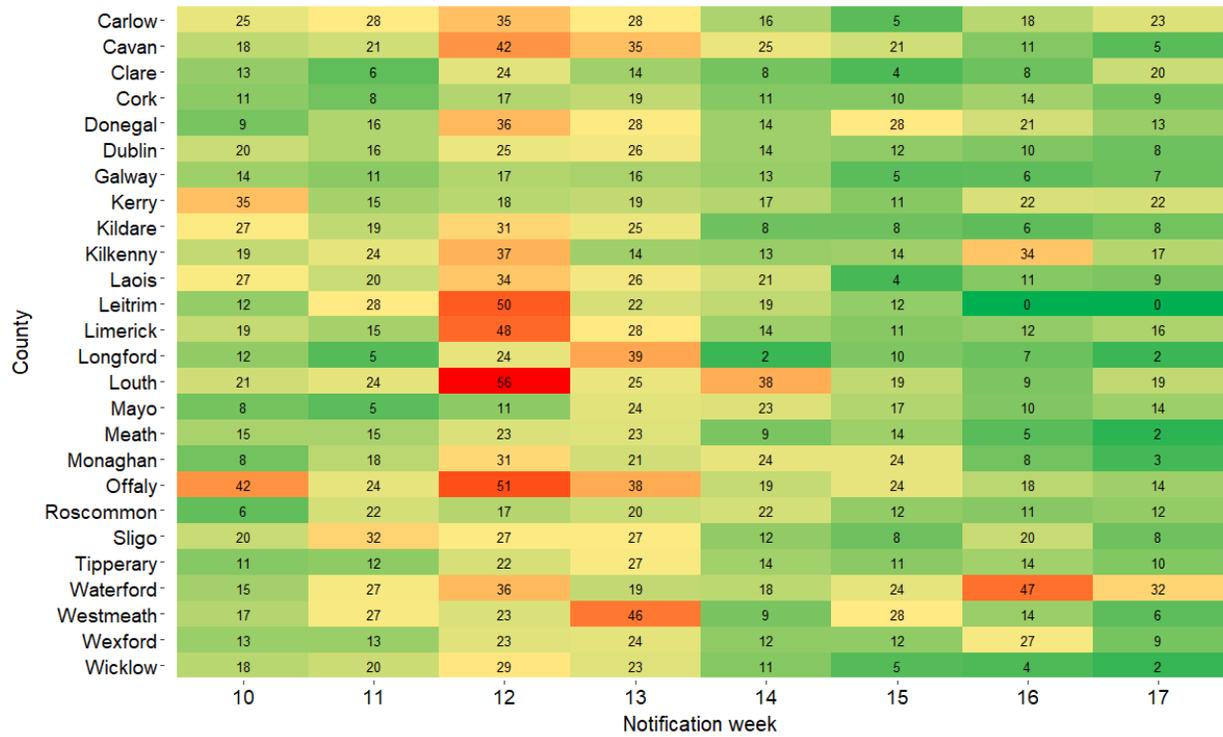


Figure 4: Heat map of weekly incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland for the last 8 weeks

Hospitalisations

A total of 267 hospitalised confirmed COVID-19 cases were recorded in the latest epidemiological week, week 17 2023.

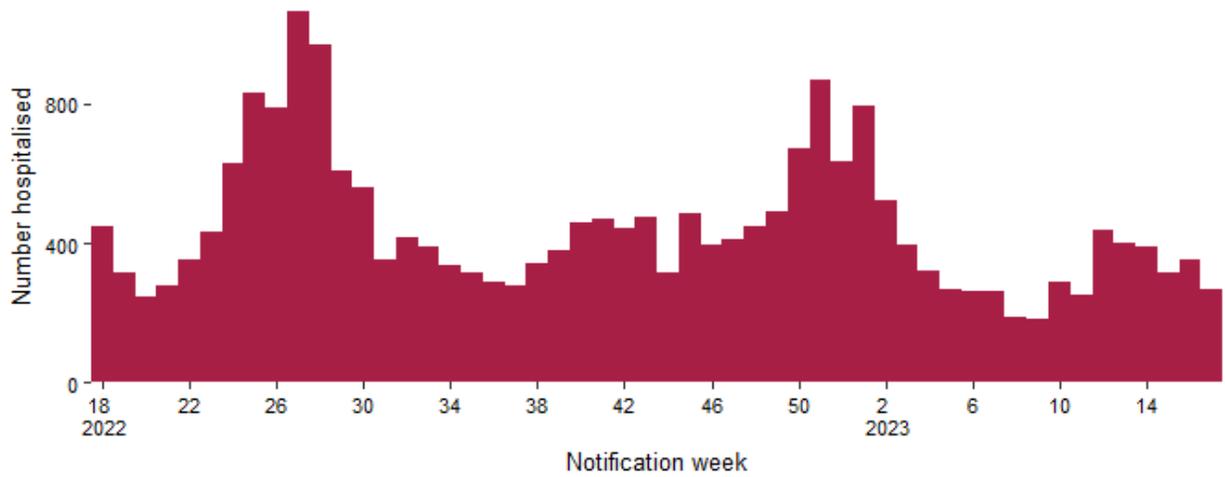


Figure 5: Hospitalisations among confirmed COVID-19 cases notified on CIDR in Ireland between week 18, 2022 and week 17, 2023

Table 4: Number of COVID-19 cases and hospital admissions by age group in Ireland for week³ 17, 2023 based on week of notification⁴

Age group	Week 17, 2023			Total 2023		
	Total cases	Hospitalised cases		Total cases	Hospitalised cases	
	Number of cases	Number of cases	Percentage	Number of cases	Number of cases	Percentage
0-4	19	13	68.4	518	289	55.8
5-12	6	2	33.3	179	59	33.0
13-18	5	1	20.0	235	57	24.3
19-24	8	2	25.0	666	106	15.9
25-34	36	18	50.0	2,006	260	13.0
35-44	45	14	31.1	2,518	293	11.6
45-54	34	10	29.4	2,310	349	15.1
55-64	48	23	47.9	2,108	582	27.6
65-74	68	45	66.2	1,974	1,141	57.8
75-84	120	79	65.8	2,559	1,659	64.8
85+	93	60	64.5	1,925	1,115	57.9
Unknown	0	0	0.0	3	0	0.0

³ Hospitalisations may be underestimated for recent weeks as the outcome may not yet have occurred or may not yet have been reported to CIDR

⁴ Data are based on the date the case was notified on CIDR, and not the date of hospital admission

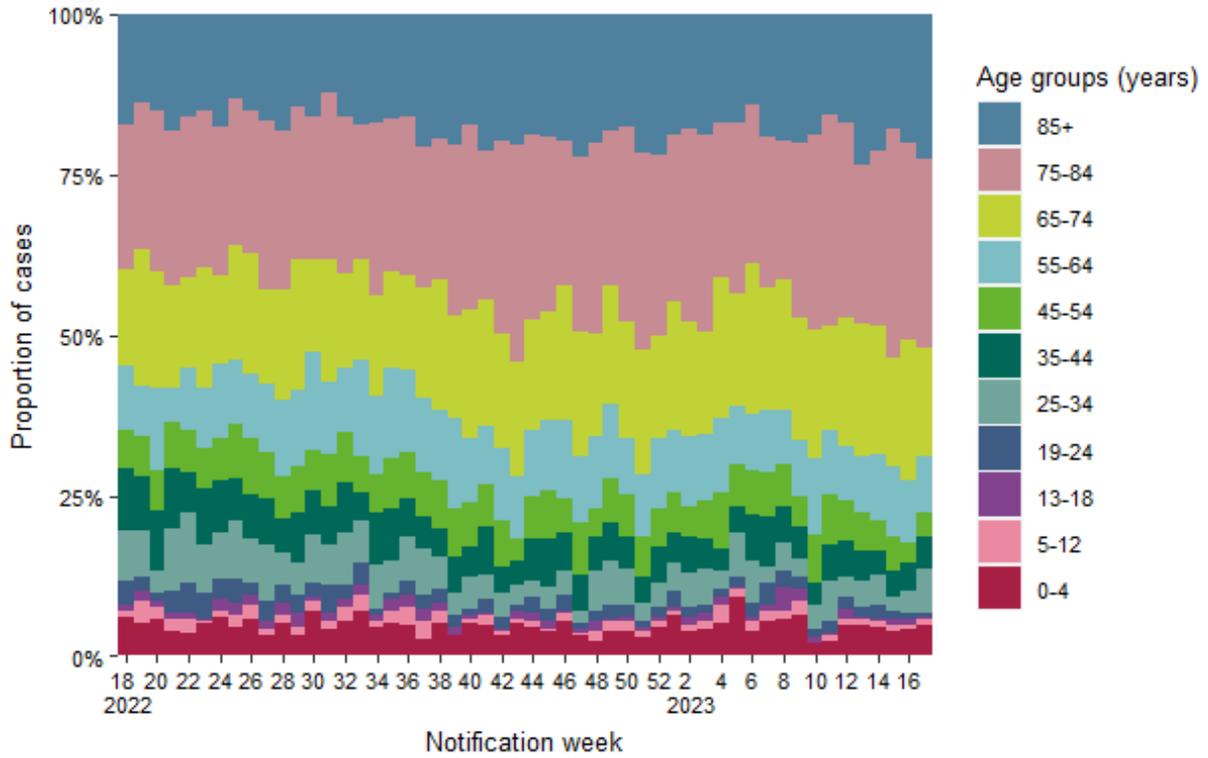


Figure 6: Age distribution of hospitalised confirmed COVID-19 cases notified on CIDR in Ireland between week 18, 2022 and week 17, 2023

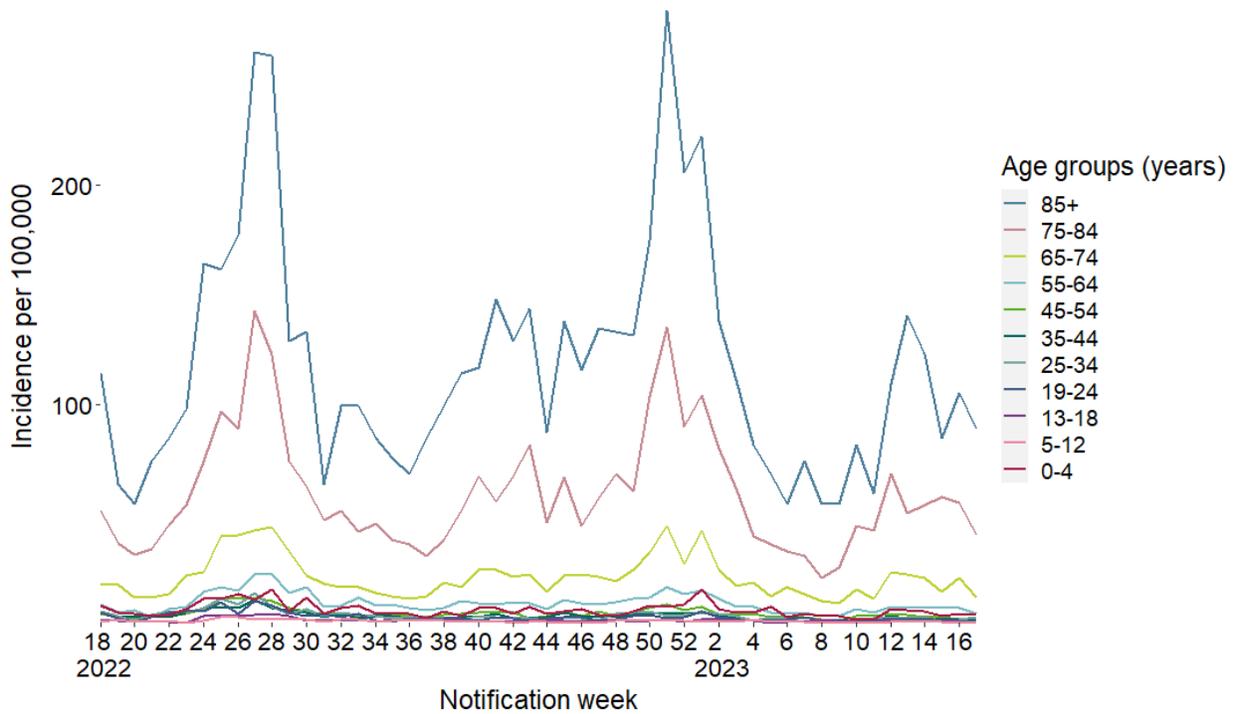


Figure 7: Incidence rate by age group of hospitalisations among confirmed COVID-19 cases on CIDR in Ireland between week 18, 2022 and week 17, 2023

ICU admissions

A total of 2 COVID-19 cases were admitted to ICU in the latest epidemiological week⁶, week 17 2023.

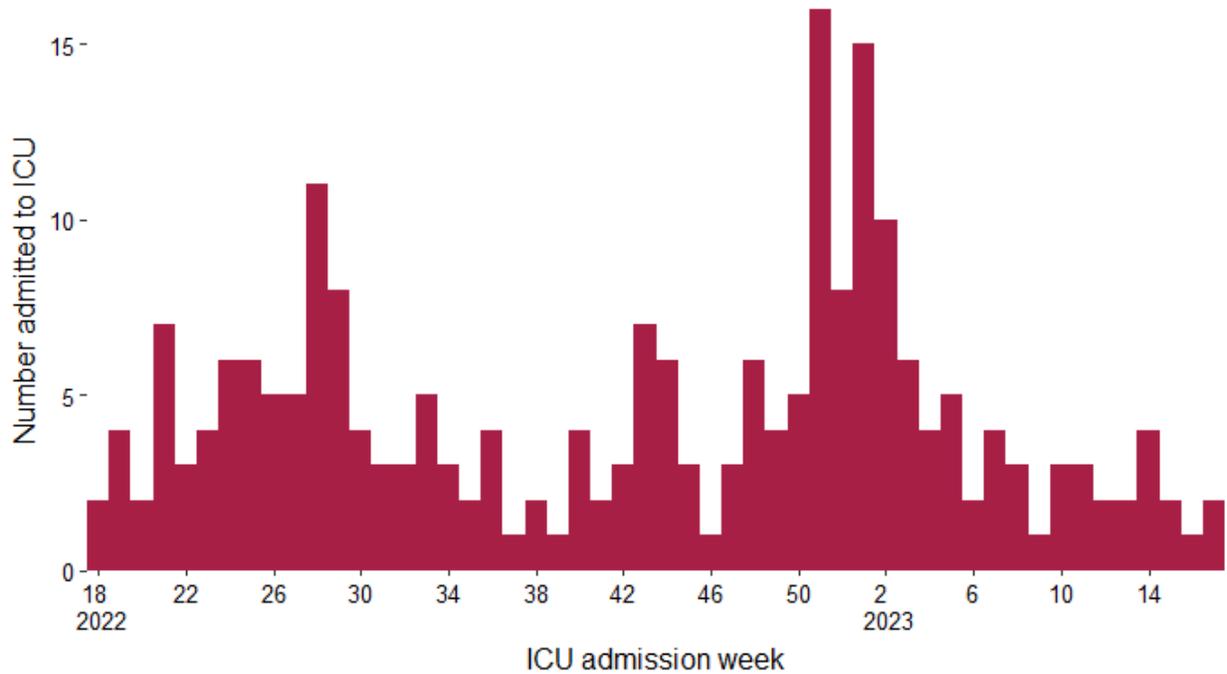


Figure 8: Number of ICU COVID-19 ICU admissions in Ireland by week of ICU admission, between week 18, 2022 and week 17, 2023⁵

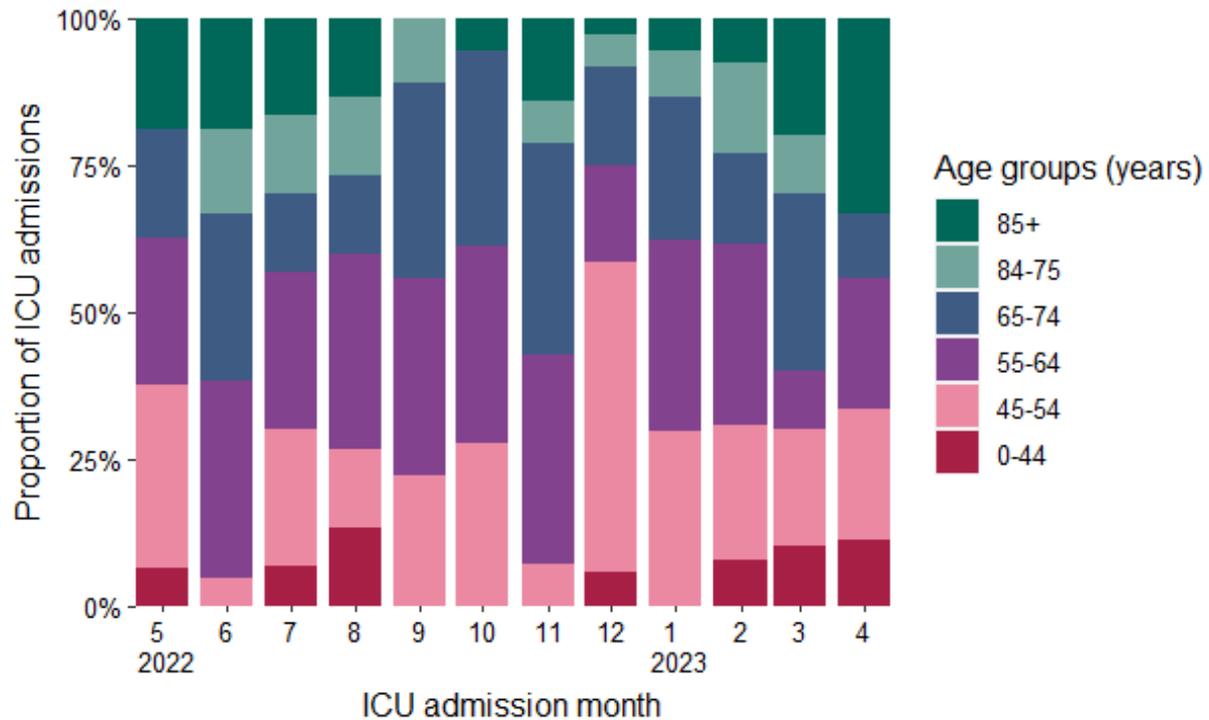


Figure 9: Age distribution of confirmed COVID-19 cases admitted to ICU by month of admission May, 2022 and April, 2023

⁵ Please note that most recent weeks may not yet reflect all admissions

Deaths

Please note the below figures and tables include all cases (confirmed, probable and possible) who have died.

A total of 4 cases had a date of death in the latest epidemiological week, 17. The mean and median age of those who died in the previous epidemiological week was 86 and 85.5 years respectively.

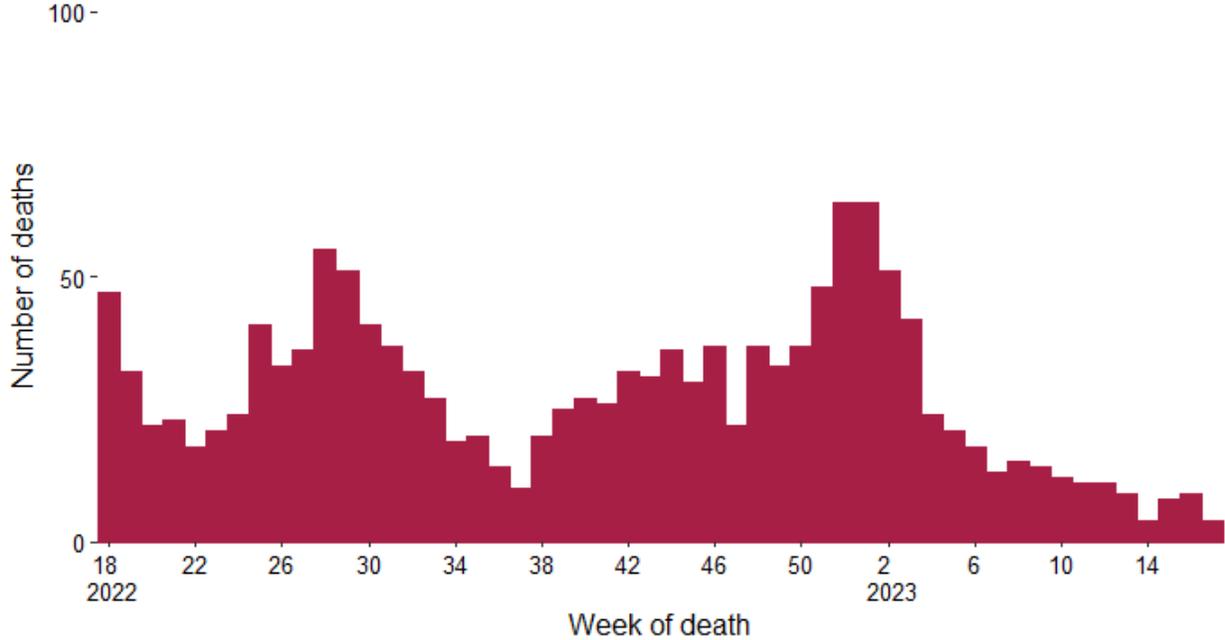


Figure 10: Total number of COVID-19 deaths notified by week of death, cases with a date of notification from week 18, 2022 to 17, 2023⁶. Date of death missing for 0 of the reported deaths

⁶ Please note that most recent weeks may not yet reflect all deaths

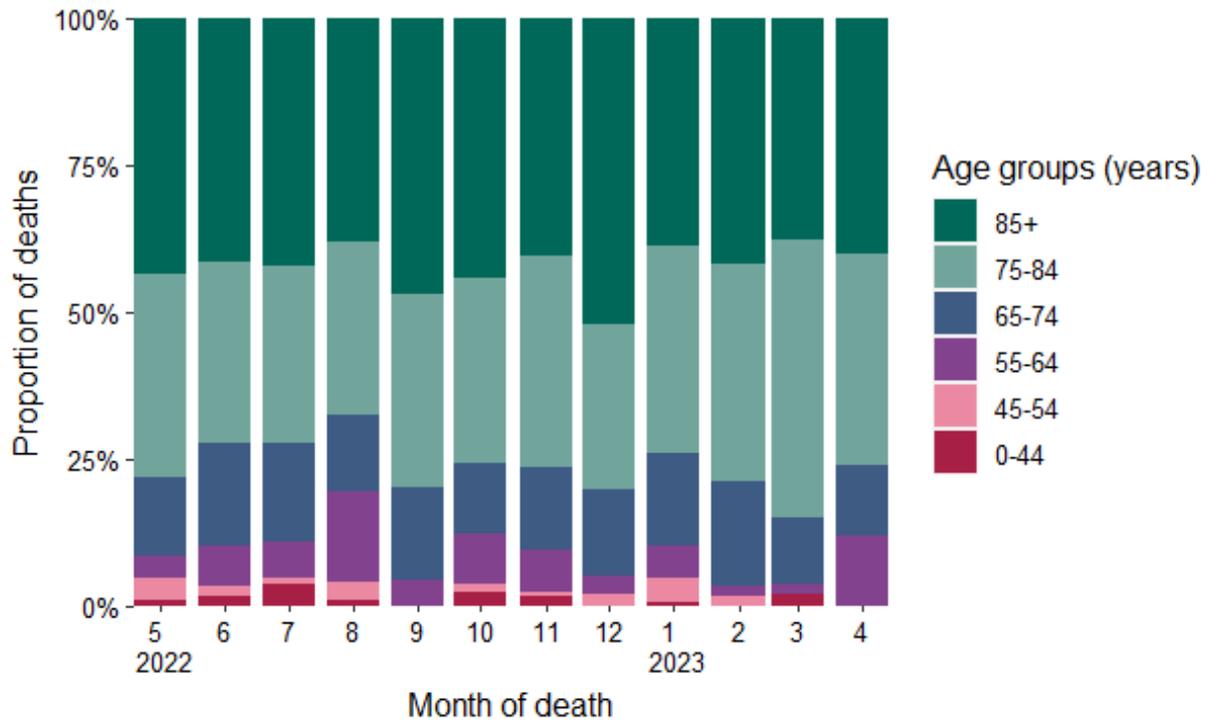


Figure 11: Age distribution of COVID-19 deaths notified on CIDR in Ireland between May, 2022 and April, 2023

Laboratory data of SARS-CoV-2 PCR tests

In week 17, a total of 5,326 SARS-CoV-2 tests were performed, of which 532 (10%) were positive.

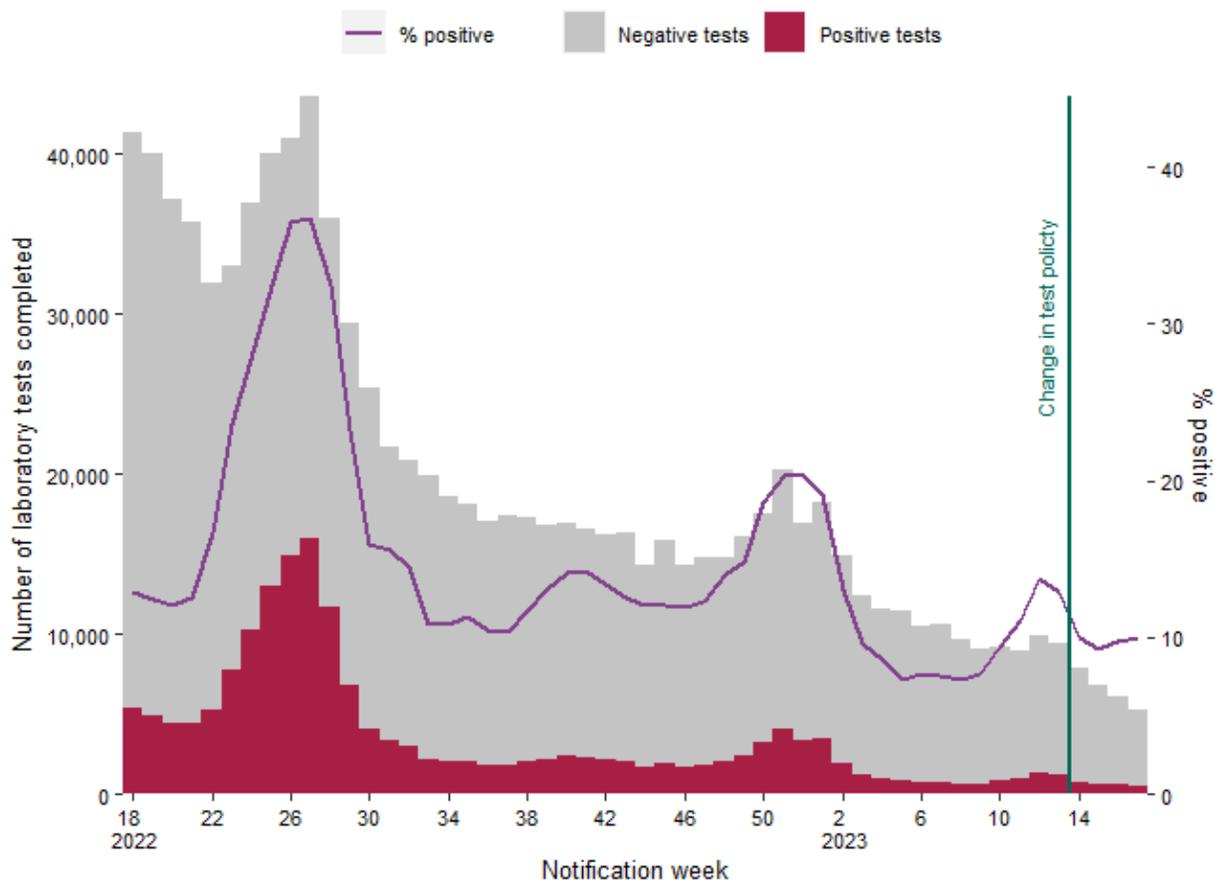


Figure 12: Number of completed laboratory tests by result and % positive tests⁷ in Ireland between week 18, 2022 and week 17, 2023. Data source: Deloitte Ireland LLP^{8, 9}

⁷ Positive tests refer to all positive specimens and includes duplicates and individuals who were retested.

⁸ Since 28/02/2022 (week 9), PCR testing is only needed for symptomatic people in the community within certain risk groups: those who have not had booster vaccination and are aged 55 years and older; those with a high-risk medical conditions; those who are immunocompromised; those who live in the same household as a person who is immunocompromised; those who provide care or support for person they know to be immunocompromised; those who are pregnant; Healthcare Workers.

⁹ Since 30/03/2023 (week 13, 2023), community test centres closed and PCR testing was only performed based on clinical assessment.

Notes

Technical Notes

1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system and the HSE COVID care tracker. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures. Slide with Laboratory testing for SARS-CoV-2 data provided by Deloitte Ireland LLP

2. Epidemiological date

Epidemiological date is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR. By using this date rather than event creation/ notification date, adjusts for any delays in testing/notification. Further information on epidemiological dates and weeks can be found on the [HPSC website](#).

3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

Acknowledgements

Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in these reports. 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.

Please refer to the Health Protection Surveillance (HPSC) website for

- [Epidemiology of COVID-19 in Ireland infohub](#)
- [Outbreaks/clusters in Ireland COVID-19 weekly report](#)
- [Monthly report on COVID-19 deaths reported in Ireland](#)
- [SARS-CoV-2 wastewater surveillance programme weekly reports](#)
- [Virus variants in Ireland COVID-19 summary report](#)
- [Epidemiology of intensive care admissions in cases of COVID-19 in Ireland](#)