



Weekly report on the epidemiology of COVID-19 in Ireland

Week 13, 2022

- 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 2020-2022.
- Reference dates:
 - Week 10, 2020 (01/03/2020 to 07/03/2020) – the beginning of the pandemic in Ireland, also the start of the first wave
 - Week 32, 2020 (02/08/2020 to 08/08/2020) – the beginning of the 2nd wave
 - Week 48, 2020 (22/11/2020 to 28/11/2020) – the beginning of the 3rd wave
 - Week 26, 2021 (26/06/2021 to 03/07/2021) – the beginning of the 4th wave
 - Week 51, 2021 (19/12/2021 to 25/12/2021) – the beginning of the 5th wave
 - Week 13, 2022 (27/03/2022 to 02/04/2022) – most recent epidemiological week
- Data for this report are based on case notified on the Computerised Infectious Disease Reporting (CIDR) and HSE Positive Antigen Portal up to midnight 02/04/2022. Data were extracted from CIDR system on 04/04/2022. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
- A confirmed case of COVID-19 is any person for whom SARS-CoV-2 is detected by PCR. At present, antigen testing undertaken outside the governance of the public laboratory service is not recognised for the purpose of notification of COVID-19. For surveillance purposes, a self-administered positive antigen test registered on the HSE Antigen Portal is not considered to be a confirmed COVID-19 case as it is not subject to data validation and linkage to previous or subsequent PCR results is not feasible.
- In this report, confirmed cases notified on CIDR and cases who have registered a positive antigen test result on the HSE Antigen Portal are presented separately.
- Data from both sources (CIDR and the HSE Antigen Portal) 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](#)
- Data for late December 2021, and January 2022, do not accurately reflect trends. Due to a surge in case numbers the turnaround time for processing notifications increased. Notifications between 19/12/2021 and 15/01/2022 (week 51, 2021 to week 2, 2022) are reduced, while notifications between 16/01/2022 and 29/01/2022 (weeks 3 and 4, 2022) are inflated compared to cases diagnosed during these weeks.

Key points

Notified confirmed cases

- In week 13 (between March 27 and April 02 2022) there were 33,671 new confirmed COVID-19 cases reported on CIDR. This is a decrease of 34.9% compared to week 12 when there were 51,722 confirmed COVID-19 cases notified.
- The highest number of new confirmed COVID-19 cases in week 13 was in the age group of 35-44 years with 20.9% notified in week 13.
- The county with the highest COVID-19 incidence rate in week 13 was Carlow with 874.7 new COVID-19 cases per 100,000

Self-reported antigen positive cases

- In week 13 a total of 41,718 positive antigen test results were registered on the HSE Positive Antigen Portal. This is a decrease of 47.93% compared to week 12 when 80,114 cases were registered.

Deaths

- Since the start of the pandemic 6,799 COVID-19 deaths among notified COVID-19 cases have been reported on CIDR. Of these, 28 had a date of death in week 13.

Table 1: Summary characteristics of COVID-19 cases notified in Ireland during week 13, 2022

	Number	Percentage
Total number of confirmed cases	33,671	
Incidence rate of confirmed cases per 100,000 population	707.1	
Severe cases		
Number of cases hospitalised	1,196*	3.55
Number of cases admitted to ICU	11*	0.03
Number of deaths among confirmed cases	7*	0.02
Case fatality ratio CFR (%)	0.02	
Incidence rate of deaths among confirmed cases per 100,000 population	0.15	

* 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 the pandemic, 1,471,210 confirmed COVID-19 cases have been notified on CIDR. In the past week, week 13 2022, 33,671 COVID-19 cases were reported on CIDR. This is a decrease of 34.9% compared to week 12 when 51,722 confirmed COVID-19 cases were notified. Figure 1 shows the epidemiological curve of COVID-19 cases notified in Ireland from week 1 2021 to week 13 2022.

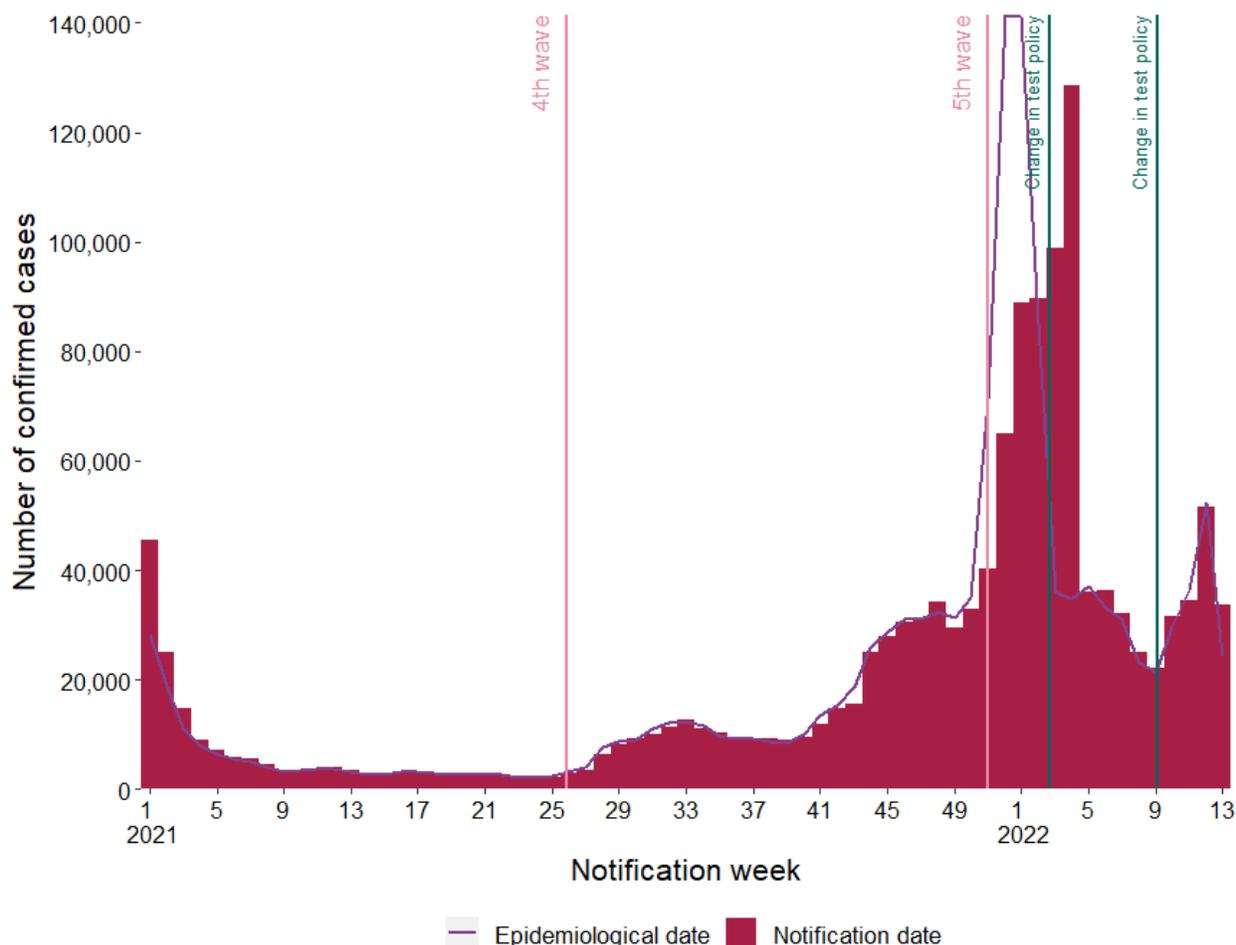


Figure 1: Number of confirmed COVID-19 cases by notification week and epidemiological date in Ireland between week 1, 2021 and week 13, 2022. The red bars represent the number of confirmed cases by notification date. The purple line represents the number of cases by epidemiological date. The pink horizontal lines indicate when a new wave starts. The dark blue horizontal lines indicate a change in test policy^{1, 2}

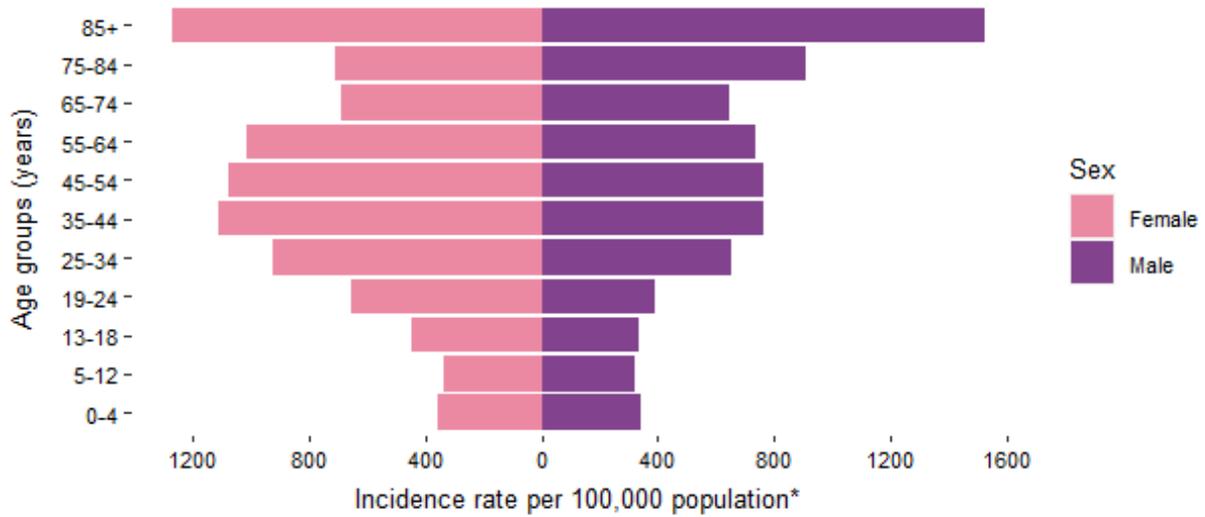
¹ Since 14/01/2022 (week 2), a confirmatory PCR test after a positive antigen test was no longer needed for those in the community aged between 4 and 39 years of age outside of a risk group.

² 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.

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 13, 2022

	Number	Percentage
Gender		
Males	14,273	42.4
Females	19,378	57.6
M:F ratio	0.74	
Age (years)		
Mean age	43	
Median age	42	
Age range	0 - 103	
Age groups (years)		
0-4	1,155	3.4
5-12	1,804	5.4
13-18	1,454	4.3
19-24	1,730	5.1
25-34	5,247	15.6
35-44	7,043	20.9
45-54	5,779	17.2
55-64	4,464	13.3
65-74	2,492	7.4
85+	919	2.7
Unknown	6	0.0



*Excluding 6 for whom age is unknown, 20 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 13, 2022

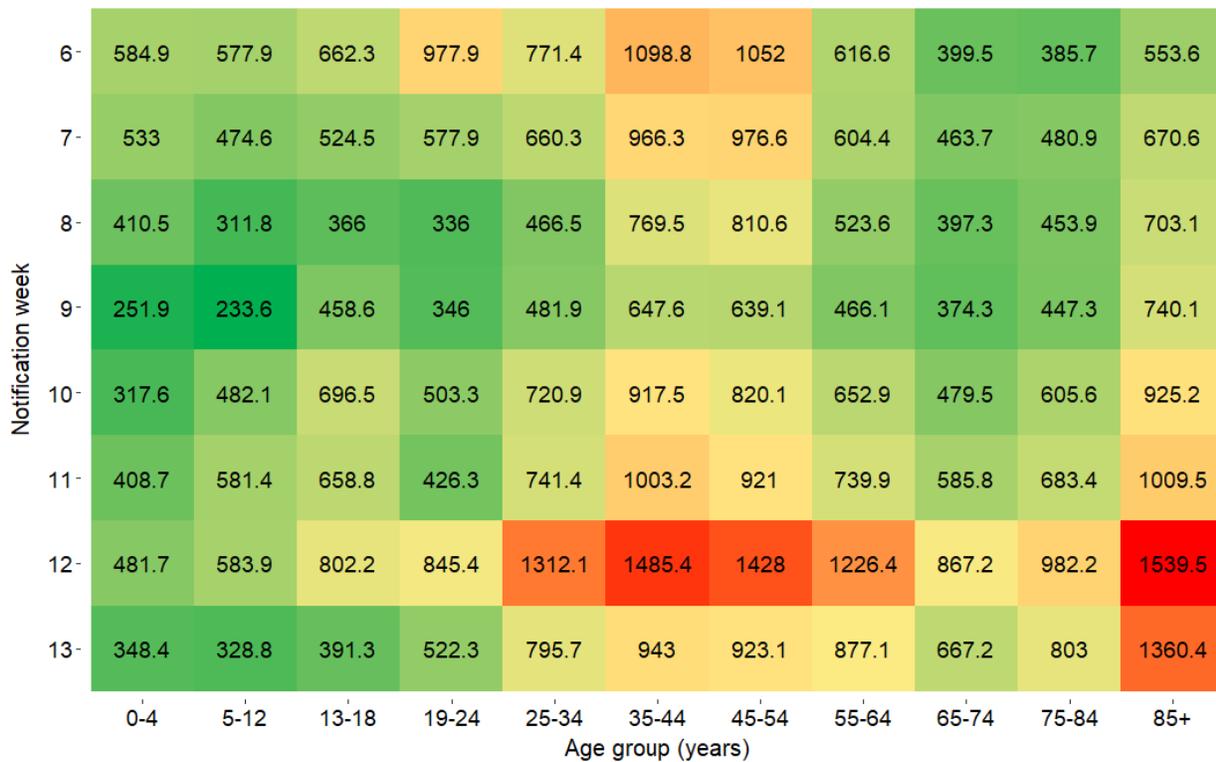


Figure 3: Heat map of weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland for the last 8 weeks

Cases and incidence by county

Table 3: Characteristics of confirmed COVID-19 cases by county notified in Ireland, during week 13, 2022, sorted by incidence rate per 100,000

County	Number of cases	Percent	M:F ratio	Median age	Incidence rate per 100,000
Carlow	498	1.5	0.9	42.5	874.7
Tipperary	1,389	4.1	0.7	44.0	870.6
Waterford	961	2.9	0.8	41.0	827.2
Westmeath	724	2.2	0.7	40.0	815.6
Cork	4,242	12.6	0.7	42.0	781.4
Limerick	1,518	4.5	0.8	41.0	778.9
Wicklow	1,108	3.3	0.7	42.0	778.0
Kildare	1,717	5.1	0.9	42.0	771.7
Laois	644	1.9	0.9	41.0	760.4
Kilkenny	738	2.2	0.7	44.0	743.7
Offaly	578	1.7	0.7	43.0	741.4
Galway	1,892	5.6	0.7	42.5	733.2
Sligo	473	1.4	0.6	48.0	721.8
Kerry	1,049	3.1	0.6	44.5	710.2
Dublin	9,563	28.4	0.7	41.0	709.8
Longford	288	0.9	0.7	42.0	704.6
Roscommon	416	1.2	0.8	41.0	644.5
Leitrim	203	0.6	0.7	46.0	633.5
Clare	740	2.2	0.7	43.0	622.8
Wexford	908	2.7	0.6	43.5	606.5
Cavan	443	1.3	0.7	40.0	581.5
Louth	724	2.2	0.8	44.0	561.7
Meath	1,094	3.2	0.7	41.0	560.9
Mayo	680	2.0	0.8	43.0	521.0
Donegal	783	2.3	0.8	43.0	491.9
Monaghan	298	0.9	0.8	43.0	485.5

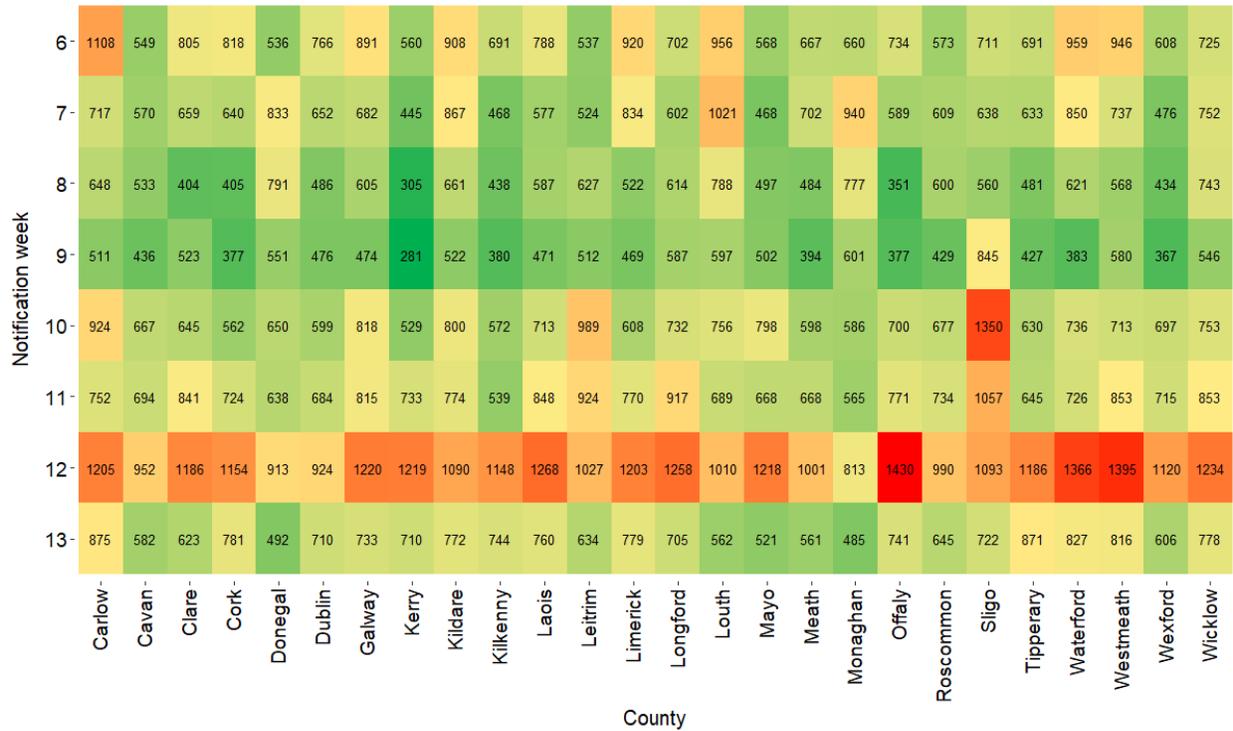


Figure 4: Heat map of weekly incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland for the last 8 weeks

Hospitalisations

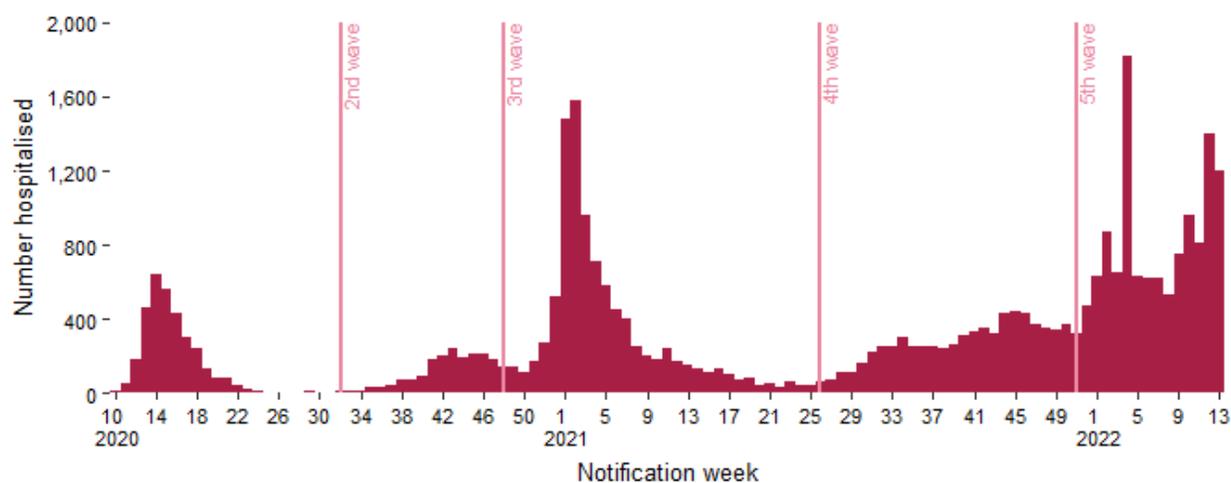


Figure 5: Hospitalisations among confirmed COVID-19 cases notified on CIDR in Ireland between week 10, 2020 and week 13, 2022

Table 4: Number of COVID-19 cases and hospital admissions by age group in Ireland for week³13, 2022 based on week of notification⁴

Age group	Total cases	Hospitalised cases	
	Number of cases	Number of cases	Percentage
0-4	1155	63	5.5
5-12	1804	18	1
13-18	1454	18	1.2
19-24	1730	23	1.3
25-34	5247	75	1.4
35-44	7043	89	1.3
45-54	5779	83	1.4
55-64	4464	116	2.6
65-74	2492	194	7.8
85+	919	228	24.8
Unknown	6	<5	-

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

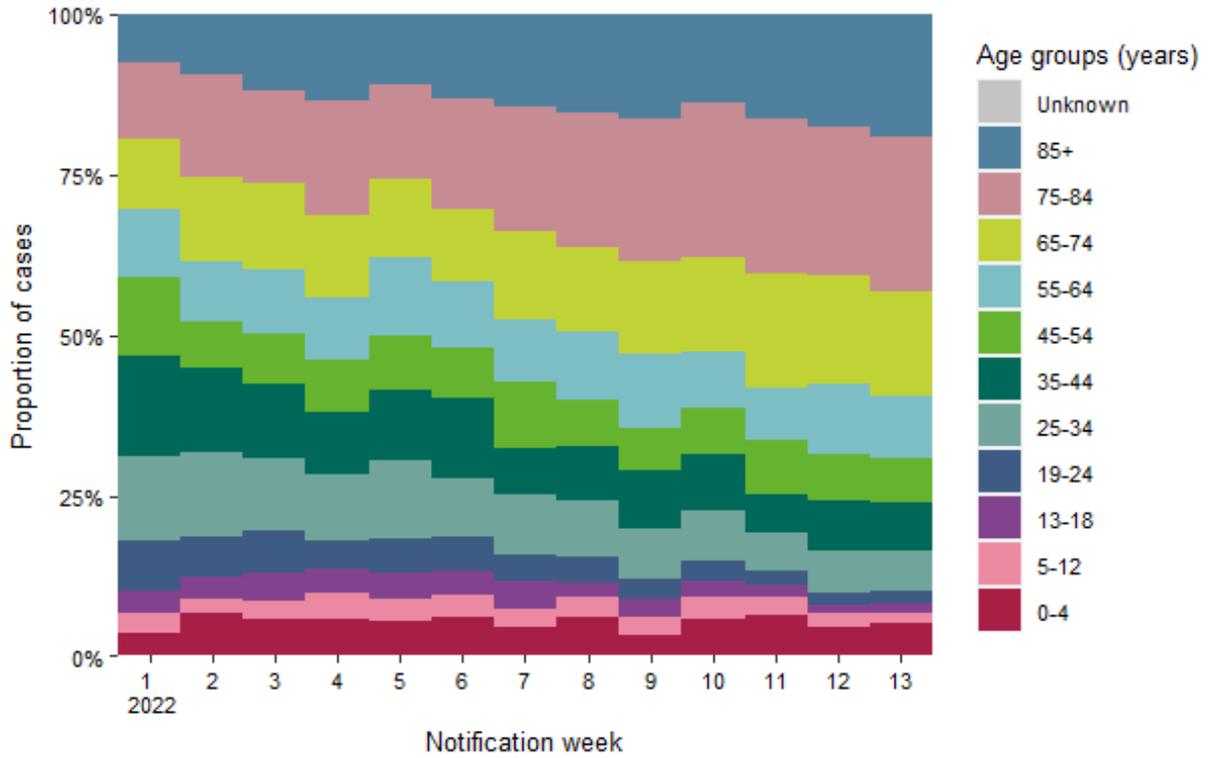


Figure 6: Age distribution of hospitalised confirmed COVID-19 cases notified on CIDR in Ireland between week 1, 2022 and week 13, 2022

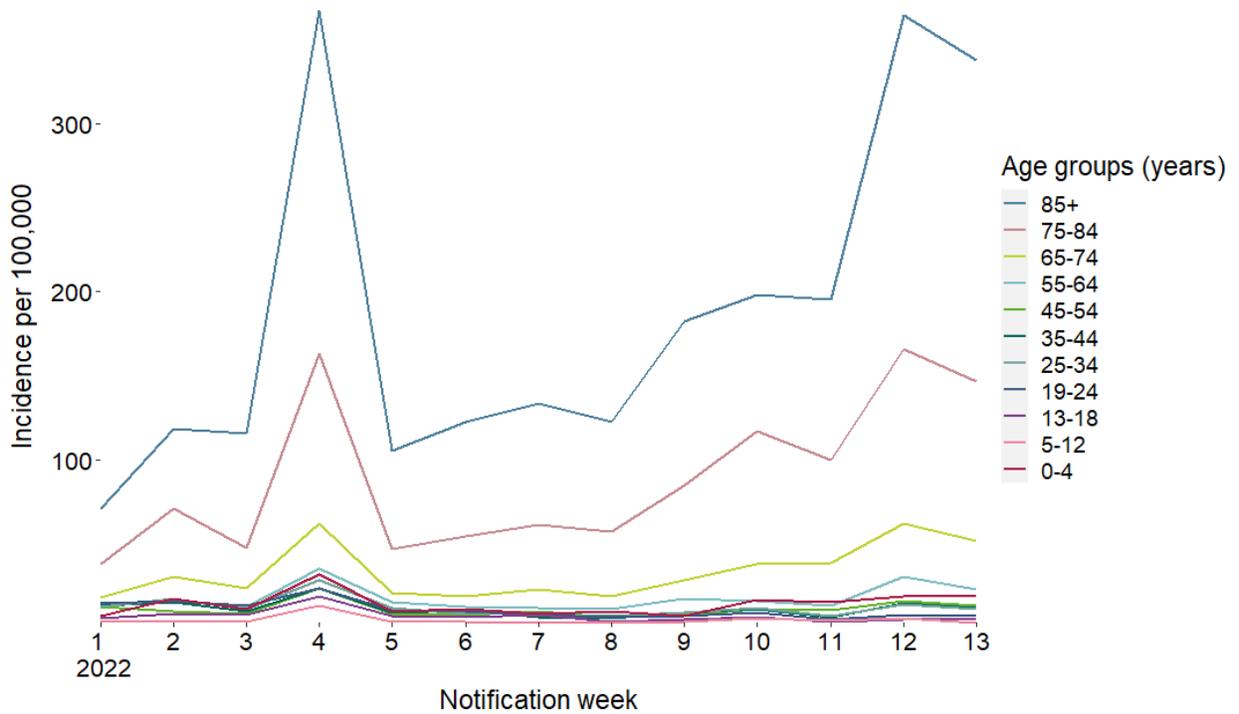


Figure 7: Incidence rate by age group of hospitalisations among confirmed COVID-19 cases on CIDR in Ireland between week 1, 2022 and week 13, 2022

Laboratory data of SARS-CoV-2 PCR tests

In week 13, a total of 95,826 SARS-CoV-2 tests were performed, of which 34,102 (35.6%) were positive.

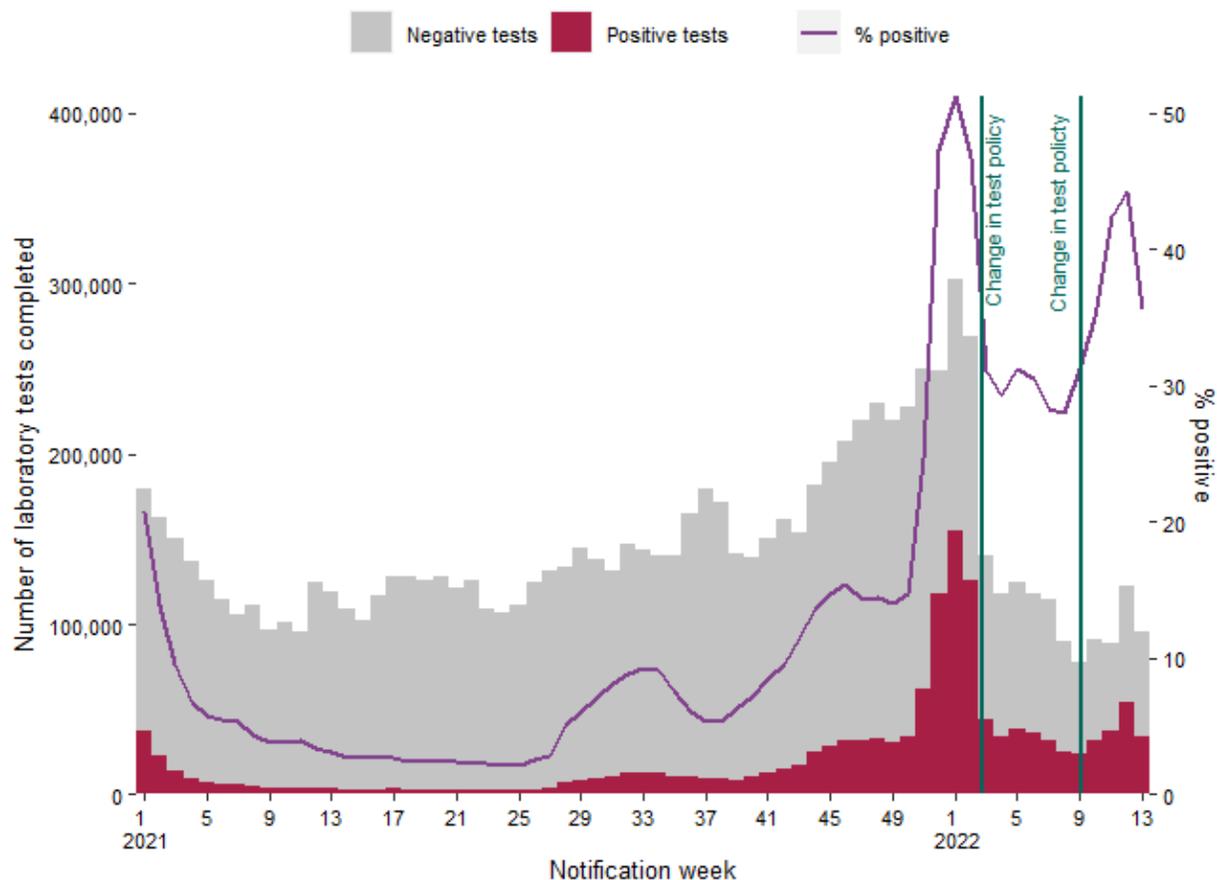


Figure 8: Number of completed laboratory tests by result and % positive tests⁵ in Ireland between week 1, 2021 and week 13, 2022. Data source: Deloitte Ireland LLP^{6, 7}

⁵ Positive tests refer to all positive specimens and includes duplicates and individuals who were retested.

⁶ Since 14/01/2022 (week 2), a confirmatory PCR test after a positive antigen test was no longer needed for those in the community aged between 4 and 39 years of age outside of a risk group.

⁷ 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.

Self-reported antigen positive cases

The following figures and tables are based on cases who registered a self-administered positive antigen test on the HSE Positive Antigen Portal. They are not considered confirmed cases and have undergone no data validation.

Table 5: Characteristics of COVID-19 cases who registered a positive antigen test to the HSE Positive Antigen Portal

	Week 2, 2022 - 13, 2022		Week 13, 2022	
	Number	Percentage	Number	Percentage
Total number of registered cases	448,656		41,718	
Incidence rate of registered cases per 100,000 population	9,421.9		876.1	
Gender				
Males	193,816	43.2	17,453	41.8
Females	247,757	55.2	23,171	55.5
M:F ratio	0.78		0.75	
Age (years)				
Mean age	30		37	
Median age	30		38	
Age range	0 - 105		0 - 102	

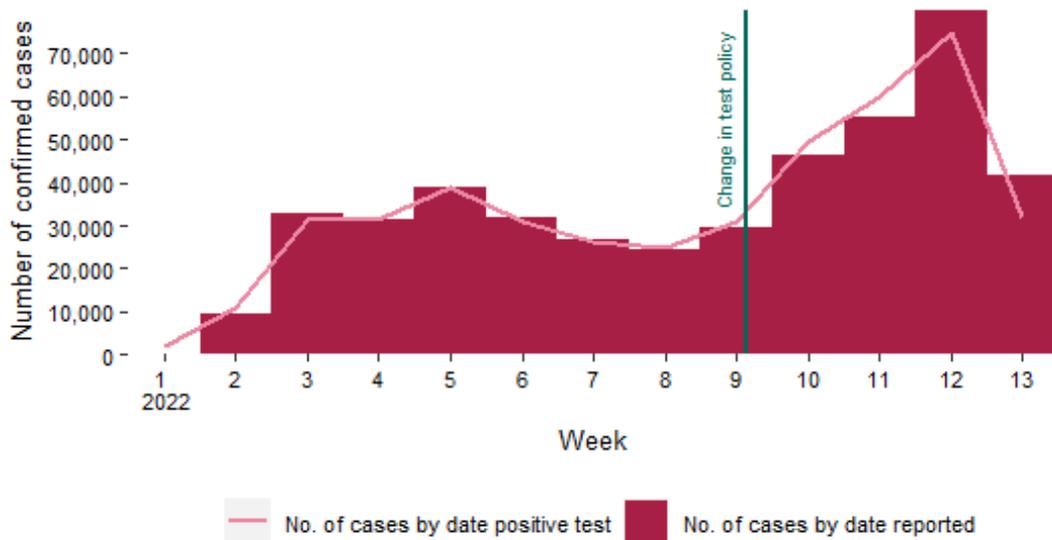


Figure 9: Number of COVID-19 cases who registered a positive antigen test on the HSE Positive Antigen Portal by week of registration⁸, and week of epidemiological date in Ireland between week 1, 2022 and week 13, 2022⁹

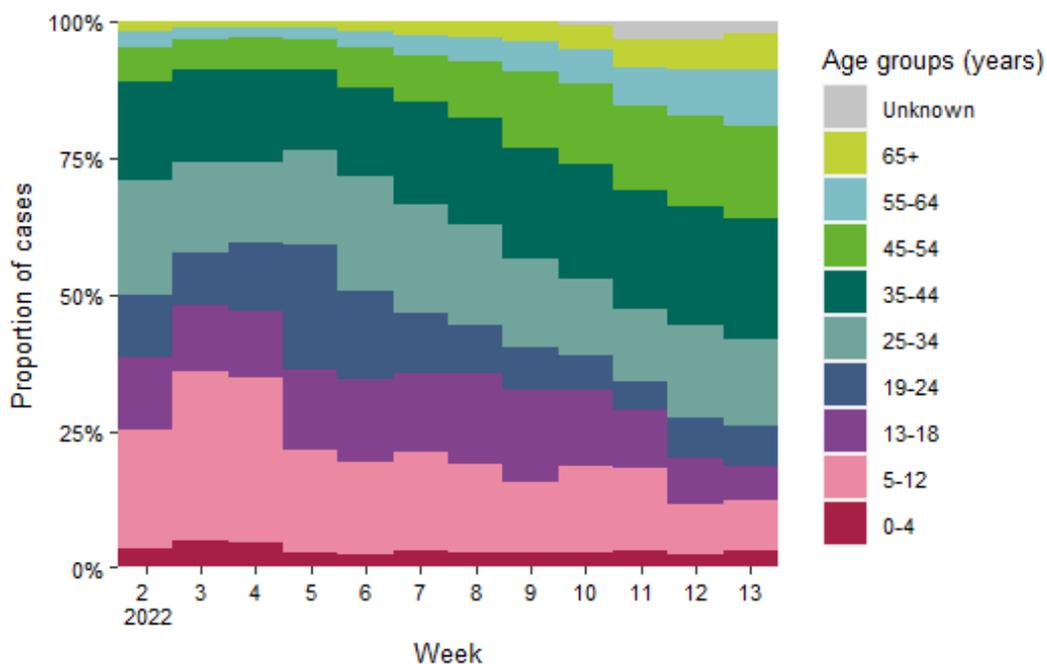


Figure 10: Age distribution of COVID-19 cases who registered a positive antigen test on the HSE Positive Antigen Portal by week of registration¹⁰ in Ireland between week 2⁸, 2022 and week 13, 2022

⁸ Reporting to the HSE Positive Antigen Portal commenced on Friday 14th January 2022, and therefore week 2 only includes 2 days.

⁹ Some cases reported a date of positive test much earlier than the date it was registered in the portal. Dates of positive test earlier than week 1, 2022 are not shown in the number of case by date of positive test. Dates of positive test which erroneously were reported to be later than the current epi week are excluded.

¹⁰ Please note, the week of registration on the HSE Positive Antigen Portal may differ from the week the positive test was obtained.

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](#)
- [Weekly report on COVID-19 deaths reported in Ireland](#)
- [SARS-CoV-2 wastewater surveillance programme weekly reports](#)
- [Healthcare Workers COVID-19 cases in Ireland monthly reports](#)
- [Weekly reports on vaccination status of COVID-19 deaths and cases admitted to ICU in Ireland](#)
- [Epidemiology of COVID-19 in Ireland – cases aged 0-18 years](#)