Weekly report on the epidemiology of COVID-19 in Ireland

Week 16, 2024

- 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 2023-2024.

- Data for this report are based on cases notified on the Computerised Infectious Disease Reporting (CIDR) up to midnight 20/04/2024. Data were extracted from CIDR system on 23/04/2024. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

- For epidemiological purposes, HPSC reports deaths by date of death, hospitalised cases are reported by date of notification on CIDR and ICU cases are reported by date of admission to ICU.

- 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

- **From week 47, 2023 this report uses population data from Census 2022. Rates may therefore differ from those reported previously which used population data from Census 2016.**

Key points

Notified confirmed cases

• In week 16 (between April 14 and April 20 2024) there were 163 new confirmed COVID-19 cases reported on CIDR. This is a decrease of 12.8% compared to week 15 when there were 187 confirmed COVID-19 cases notified.

• The highest number of new confirmed COVID-19 cases in week 16 was in the age group of 75-84 years with 23.3% of notified cases in week 16.

Deaths

• Since the start of the pandemic 9,723 COVID-19 deaths among notified COVID-19 cases have been reported on CIDR. Of these, 1 had a date of death in week 16.

Table 1: Summary characteristics of COVID-19 cases in Ireland during week 16, 2024 and 2024 to date

	Week 16, 2024		Total 2024	
	Number	**Percentage**	**Number**	**Percentage**
Total number of confirmed cases	163		6,689	
Incidence rate of confirmed cases per 100,000 population	3.2		129.9	
Severe cases				
Number of cases hospitalised*^	91	55.83	2,866	42.85
Number of cases admitted to ICU*^	0		20	
Number of deaths among confirmed cases*^	1		145	

* HPSC reports deaths by date of death, hospitalised cases are reported by date of notification on CIDR and ICU cases are reported by date of admission to ICU.
^ The number of cases hospitalised, cases admitted to ICU and deaths described in the above table relate only to COVID-19 cases 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 have been notified

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Confirmed cases of COVID-19

Since the start of 2024, a total of 6,689 confirmed COVID-19 cases have been notified on CIDR. In the past week, week 16 2024, 163 confirmed COVID-19 cases were reported on CIDR. This is a decrease of 12.8% compared to week 15 when 187 confirmed COVID-19 cases were notified. Figure 1 shows the epidemiological curve of COVID-19 cases notified in Ireland for the last one year to week 16 2024. Data since the start of the pandemic is available on the Respiratory Virus Data Hub.
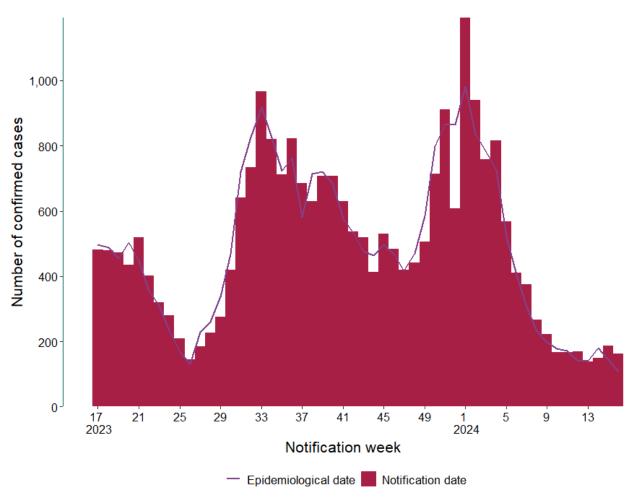

Figure 1a: Number of confirmed COVID-19 cases by notification week and epidemiological date in Ireland between week 17, 2023 and week 16, 2024. The red bars represent the number of confirmed cases by notification date. The purple line represents the number of cases by epidemiological date. The dark blue horizontal lines indicate a change in test policy[1]

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

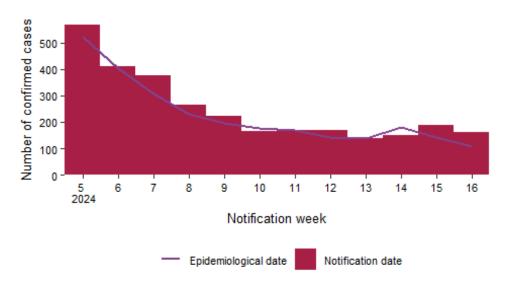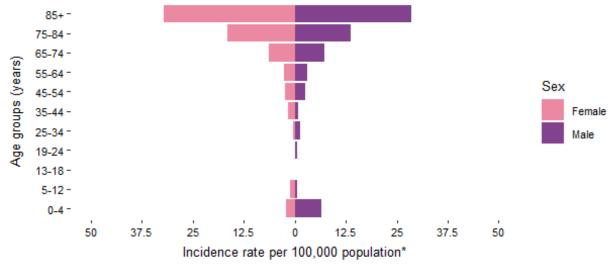Report prepared by Health Protection Surveillance Centre

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.

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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 16, 2024 and 2024 to date

	Week 16, 2024		Total 2024	
	Number	Percentage	Number	Percentage
Gender				
Males	79	48.5	3,168	47.4
Females	84	51.5	3,521	52.6
M:F ratio	0.94		0.9	
Age (years)				
Mean age	61		59	
Median age	69		69	
Age range	0 - 96		0 - 103	
Age groups (years)				
0-4	13	8.0	557	8.3
5-12	5	3.1	141	2.1
13-18	0	0.0	102	1.5
19-24	1	0.6	163	2.4
25-34	5	3.1	371	5.5
35-44	10	6.1	518	7.7
45-54	18	11.0	500	7.5
55-64	17	10.4	669	10.0
65-74	30	18.4	997	14.9
75-84	38	23.3	1,507	22.5
85+	26	16.0	1,164	17.4
Unknown	0	0.0	0	0.0

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Figure 2: Age and sex specific incidence rates of confirmed COVID-19 cases per 100,000 population for current week 16, 2024

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

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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 16, 2024*

County	Number of cases	Percent	Incidence rate per 100,000
Wexford	29	17.8	17.7
Longford	4	2.5	8.6
Monaghan	4	2.5	6.1
Waterford	7	4.3	5.5
Carlow	3	1.8	4.8
Clare	6	3.7	4.7
Kilkenny	4	2.5	3.8
Limerick	8	4.9	3.8
Cavan	3	1.8	3.7
Louth	5	3.1	3.6
Dublin	40	24.5	3.3
Meath	7	4.3	3.2
Tipperary	5	3.1	3.0
Leitrim	1	0.6	2.8
Cork	14	8.6	2.4
Galway	6	3.7	2.2
Mayo	3	1.8	2.2
Westmeath	2	1.2	2.1
Kildare	5	3.1	2.0
Donegal	3	1.8	1.8
Roscommon	1	0.6	1.4
Sligo	1	0.6	1.4
Kerry	1	0.6	0.6
Wicklow	1	0.6	0.6
Laois	0	0.0	0.0
Offaly	0	0.0	0.0

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

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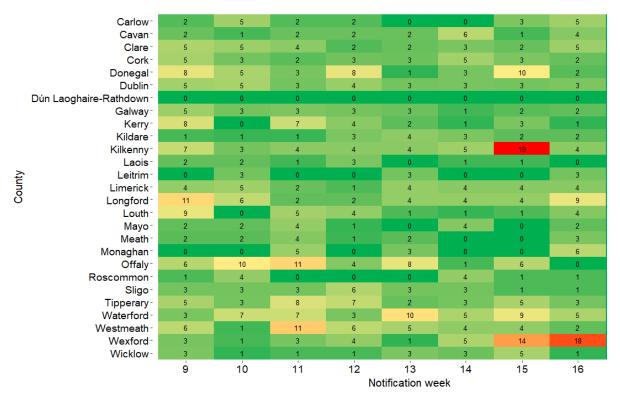| County	9	10	11	12	13	14	15	16
Carlow	2	5	2	2	0	0	3	5
Cavan	2	1	2	2	2	6	1	4
Clare	5	5	4	2	2	3	2	5
Cork	5	3	2	3	3	5	3	2
Donegal	8	5	3	8	1	3	10	2
Dublin	5	5	3	4	3	3	3	3
Dún Laoghaire-Rathdown	0	0	0	0	0	0	0	0
Galway	5	3	3	3	3	1	2	2
Kerry	8	0	7	4	2	1	3	1
Kildare	1	1	1	3	4	3	2	2
Kilkenny	7	3	4	4	4	5	19	4
Laois	2	2	1	3	0	1	1	0
Leitrim	0	3	0	0	3	0	0	3
Limerick	4	5	2	1	4	4	4	4
Longford	11	6	2	2	4	4	4	9
Louth	9	0	5	4	1	1	1	4
Mayo	2	2	4	1	0	4	0	2
Meath	2	2	4	1	2	0	0	3
Monaghan	0	0	5	0	3	0	0	6
Offaly	6	10	11	4	8	1	6	0
Roscommon	1	4	0	0	0	4	1	1
Sligo	3	3	3	6	3	3	1	1
Tipperary	5	3	8	7	2	3	5	3
Waterford	3	7	7	3	10	5	9	5
Westmeath	6	1	11	6	5	4	4	2
Wexford	3	1	3	4	1	5	14	18
Wicklow	3	1	1	1	3	3	5	1

Notification week

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

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Hospitalisations

A total of 91 hospitalised confirmed COVID-19 cases were recorded in the latest epidemiological week, week 16 2024.
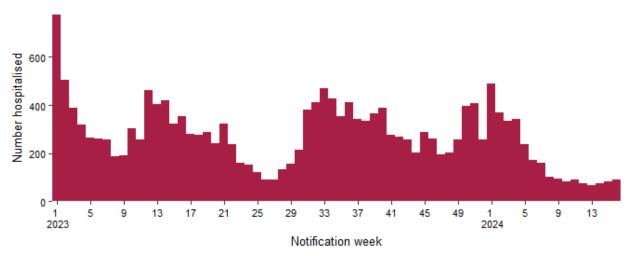

Figure 5: Hospitalisations among confirmed COVID-19 cases notified on CIDR in Ireland between week 1, 2023 and week 16, 2024

Table 4: Number of COVID-19 cases and hospital admissions by age group in Ireland for week 16, 2024 based on week of notification. *Hospitalisations may be underestimated for recent weeks as the outcome may not yet have occurred or may not yet have been reported to CIDR ^Data are based on the date the case was notified on CIDR, and not the date of hospital admission.

| | Week 16, 2024 | | | Total 2024 | | |
| | Total cases | Hospitalised cases | | Total cases | Hospitalised cases | |
Age group	Number of cases	Number of cases	Percentage	Number of cases	Number of cases	Percentage
0-4	13	5	38.5	557	199	35.7
5-12	5	1	20.0	141	43	30.5
13-18	0	0	0.0	102	34	33.3
19-24	1	1	100.0	163	44	27.0
25-34	5	1	20.0	371	83	22.4
35-44	10	7	70.0	518	137	26.4
45-54	18	13	72.2	500	139	27.8
55-64	17	9	52.9	669	283	42.3
65-74	30	12	40.0	997	511	51.3
75-84	38	23	60.5	1,507	779	51.7
85+	26	19	73.1	1,164	614	52.7
Unknown	0	0	0.0	0	0	0.0

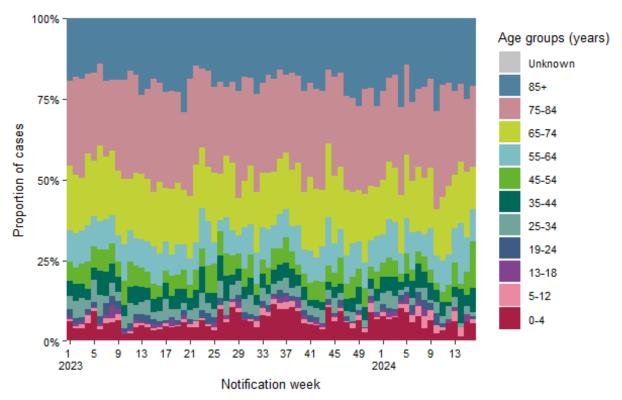Report prepared by Health Protection Surveillance Centre

Figure 6: Age distribution of hospitalised confirmed COVID-19 cases notified on CIDR in Ireland between week 1, 2023 and week 16, 2024
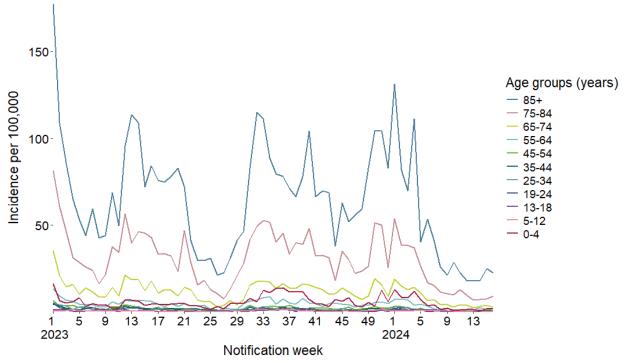

Figure 7: Incidence rate by age group of hospitalisations among confirmed COVID-19 cases on CIDR in Ireland between week 1, 2023 and week 16, 2024

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ICU admissions

A total of 0 COVID-19 cases were admitted to ICU in the latest epidemiological week, week 16 2024.
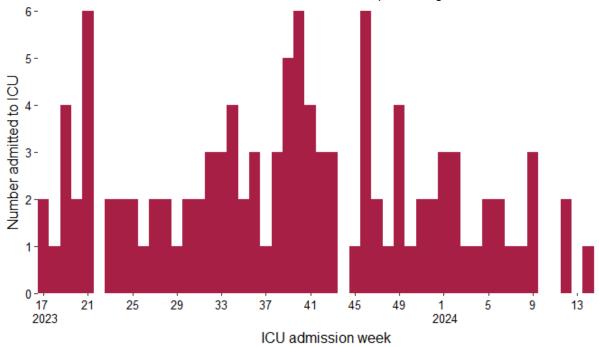

Figure 8: Number of COVID-19 ICU admissions in Ireland by week of ICU admission, between week 17, 2023 and week 16, 2024[2]
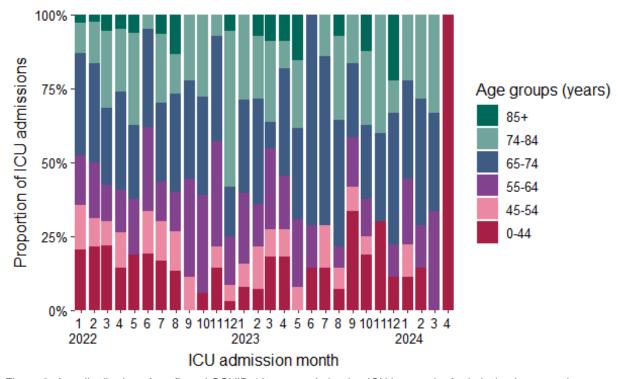

Figure 9: Age distribution of confirmed COVID-19 cases admitted to ICU by month of admission between January, 2022 and April, 2024

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[2] Please note that most recent weeks may not yet reflect all admissions

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Deaths

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

A total of 1 cases had a date of death in the latest epidemiological week, 16. The mean and median age of those who died in that week was 87 and 87 years respectively.
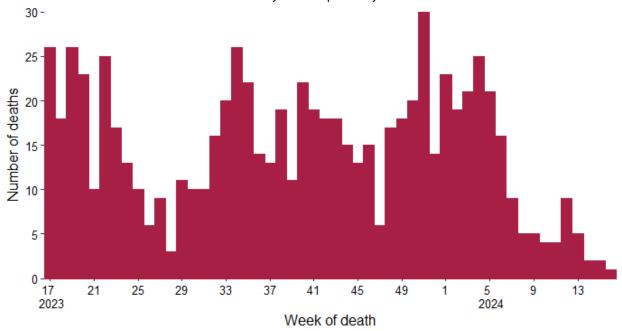

Figure 10: Total number of COVID-19 deaths notified by week of death, cases with a date of notification from week 17, 2023 to 16, 2024[3]. Date of death missing for 0 of the reported deaths
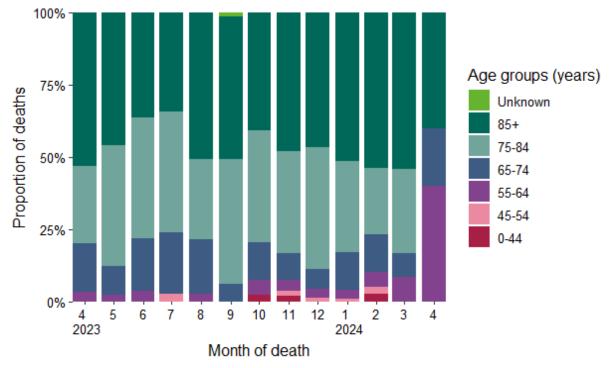

Figure 11: Age distribution of COVID-19 deaths notified on CIDR in Ireland between May, 2023 and April, 2024

[3] Please note that most recent weeks may not yet reflect all deaths

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Laboratory data of SARS-CoV-2 tests
Please note that this data is currently unavailable for weeks 12 to 16, 2024.

In week 11, a total of 5,024 SARS-CoV-2 tests were performed, of which 164 (3.3%) were positive.
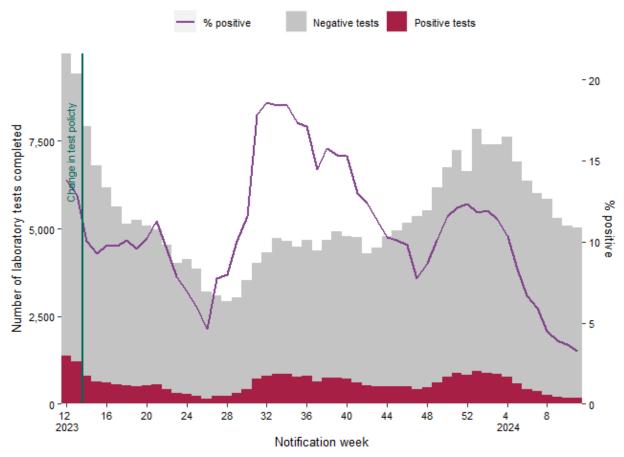

Figure 12: Number of completed laboratory tests by result and % positive tests[4] in Ireland between week 12, 2023 and week 11, 2024. Data source: Deloitte Ireland LLP[5]

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[4] Positive tests refer to all positive specimens and includes duplicates and individuals who were retested.
[5] Since 30/03/2023 (week 13, 2023), community test centres closed and laboratory testing was only performed based on clinical assessment.
[6] Data is currently available for weeks 12 to 16, 2024.

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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 2022. 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

•   Respiratory Virus Data Hub
•   Outbreaks/clusters in Ireland COVID-19 weekly report
•   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