



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 17/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 03/12/2021 up to midnight on 16/12/2021

	Number	Percent
Total number of confirmed cases	60,779	
National incidence of confirmed cases per 100,000	1276.4	
Number of cases hospitalised*	532	0.88
Number of cases admitted to ICU*	23	0.04
Number of cases in healthcare workers	269	0.44
% where HCW is known	2.9	
Number of cases associated with clusters**	665	1.09
Males	30,125	49.6
Females	30,520	50.2
M:F ratio	0.99	
Median age (years)	31	
Mean age (years)	31	
Age range (years)	0-101	

* The number of cases hospitalised and admitted to ICU 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 and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

**Cases may be associated with outbreaks notified outside the timeframe of this report from 03/12/2021 up to midnight on 16/12/2021. Also, this is likely an underestimate of cases associated with clusters as Departments of Public Health are prioritising Public Health Risk Assessments and outbreak investigations in settings that have the greatest clinical need or would benefit most from Public Health intervention.

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 17/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

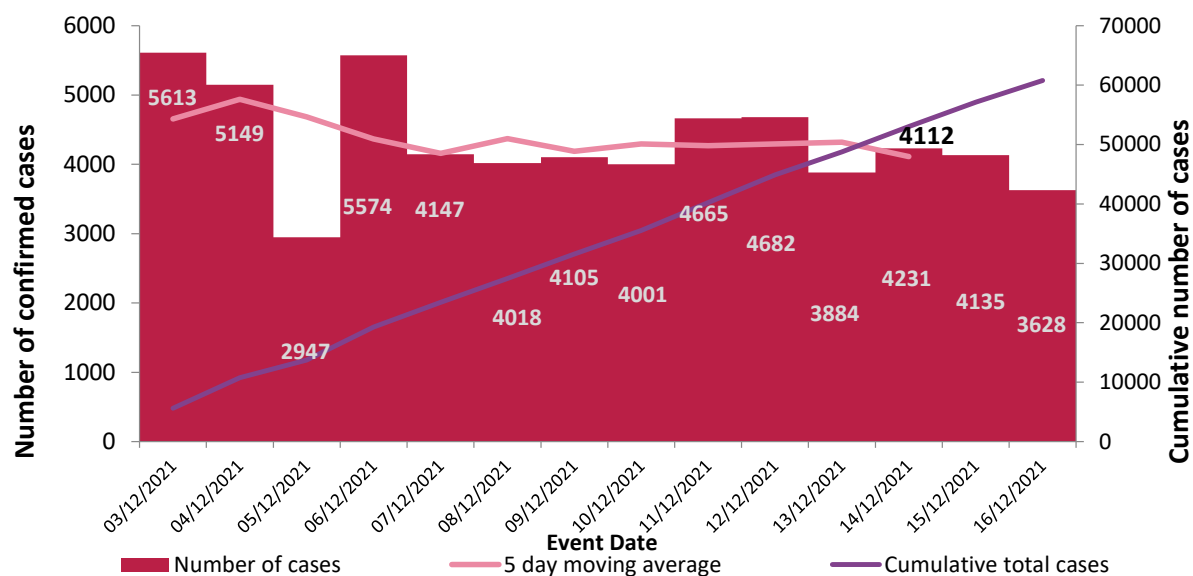


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=60779)

*Changes in the timeliness of the processing steps on CIDR can lead to day to day variations in the number of daily cases. Using epidemiological date (figure 1b), or analysing over a longer time period such as a week or 14 days (figure 2), smooths out any variations introduced by processing times, and provide a more accurate picture of the trend.

Please see Epidemiology of COVID-19 in Ireland Frequently Asked Questions (<https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/epidemiologyfrequentlyaskedquestions/>) and the weekly epidemiological report (<https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/epidemiologyofcovid-19inirelandweeklyreports/>) for further detail and analyses.

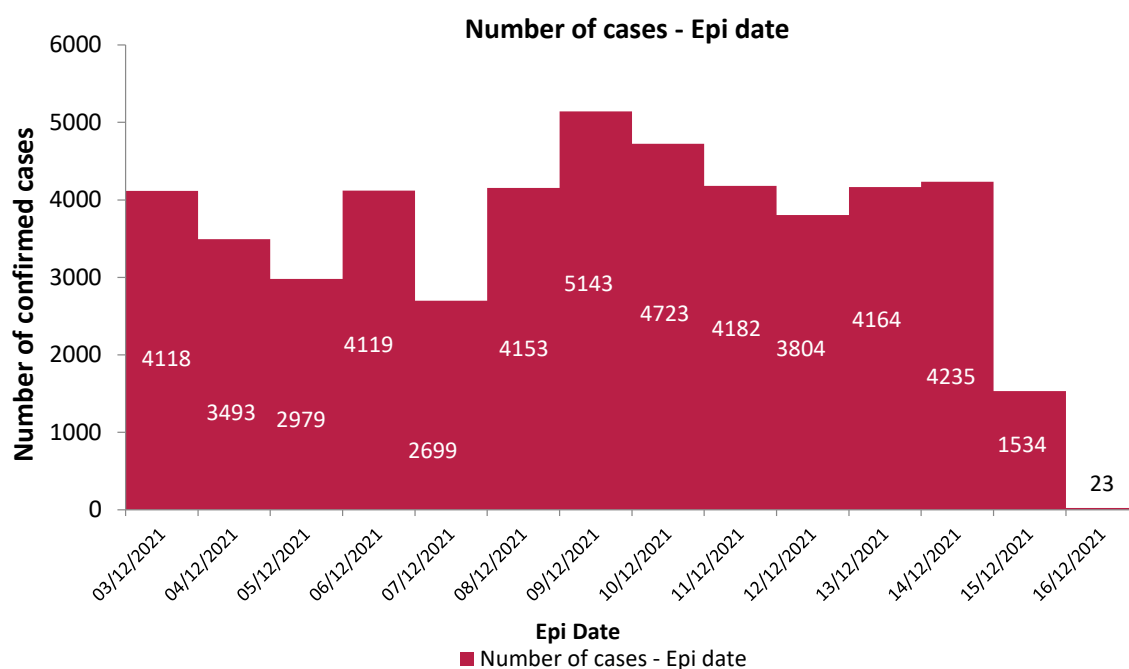


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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.

Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 03/12/2021 up to midnight on 16/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		60,779	100
Sex	Male	30,125	49.6
	Female	30,520	50.2
	Unknown	134	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3209	5.3
	5-12 yrs	11231	18.5
	13-18 yrs	3687	6.1
	19-24 yrs	5437	8.9
	25-34 yrs	10310	17.0
	35-44 yrs	11793	19.4
	45-54 yrs	7705	12.7
	55-64 yrs	4787	7.9
	65-74 yrs	1986	3.3
	75-84 yrs	444	0.7
	85+ yrs	187	0.3
	Unknown	3	
	Total	60,779	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 03/12/2021 up to midnight on 16/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		60,779	100	
Symptom status at time of test*	Yes	7706	12.7	99.8
	No	12	0.0	0.2
	Unknown	53,061	87.3	
	Total cases where known	7718		
Healthcare worker	Yes	269	0.4	2.9
	No	8852	14.6	97.1
	Unknown	51,658	85.0	
	Total cases where known	9121		

*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

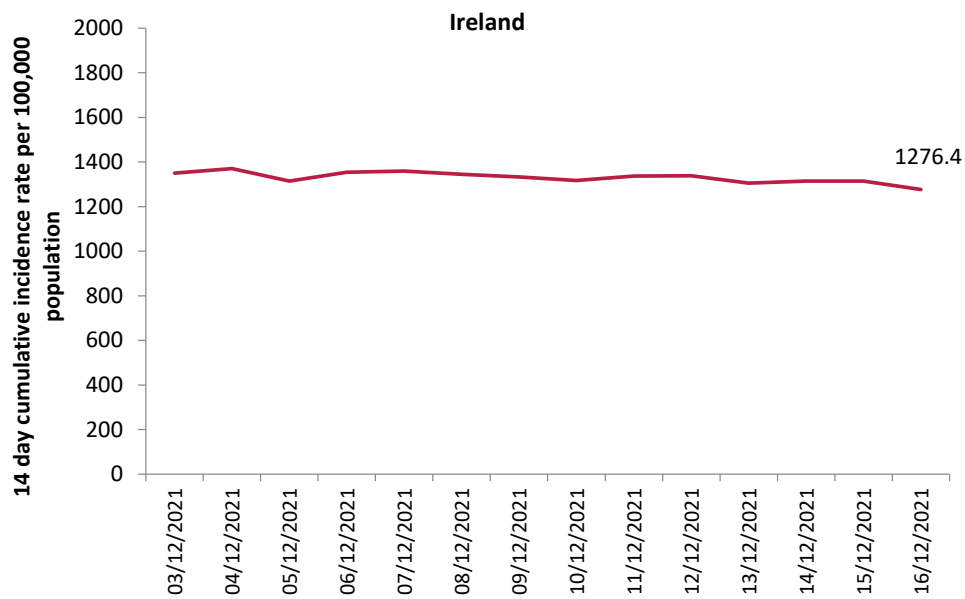


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 03/12/2021 up to midnight on 16/12/2021

14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 03/12/2021 up to midnight on 16/12/2021, 7 day numbers are reported from 10/12/2021 up to midnight on 16/12/2021

County	Number of confirmed cases in last 7 days	7-day Incidence per 100,000 population	Number of confirmed cases in last 14 days	14-day Incidence per 100,000 population	7 day incidence rate as a percentage of 14 day rate	5 day moving average of confirmed cases (12/12/2021 - 16/12/2021)
Dublin	10,258	761.3	20836	1546.4	49.23	1486
Kilkenny	725	730.6	1399	1409.8	51.82	103
Cork	3,757	692.1	7201	1326.5	52.17	489
Louth	849	658.7	1693	1313.6	50.15	109
Meath	1,248	639.9	2457	1259.7	50.79	182
Laois	540	637.6	1185	1399.1	45.57	70
Kildare	1,404	631.0	3212	1443.6	43.71	191
Waterford	726	624.9	1663	1431.4	43.66	120
Carlow	353	620.0	904	1587.9	39.05	46
Westmeath	541	609.4	1298	1462.2	41.68	73
Kerry	873	591.0	1545	1046.0	56.50	109
Tipperary	921	577.2	2091	1310.5	44.05	125
Offaly	417	534.9	901	1155.7	46.28	58
Monaghan	318	518.0	620	1010.0	51.29	38
Limerick	1,002	514.1	1821	934.3	55.02	140
Wexford	747	498.9	1689	1128.1	44.23	124
Galway	1,196	463.5	2599	1007.1	46.02	173
Wicklow	658	462.0	1513	1062.3	43.49	102
Leitrim	148	461.9	317	989.3	46.69	21
Clare	546	459.5	1217	1024.3	44.86	66
Cavan	326	428.0	679	891.4	48.01	46
Longford	171	418.4	377	922.4	45.36	25
Donegal	662	415.9	1530	961.1	43.27	93
Sligo	226	344.9	560	854.5	40.36	30
Mayo	423	324.1	1020	781.6	41.47	66
Roscommon	191	295.9	452	700.3	42.26	27
Unknown/Other						
Total	29,226	613.8	60779	1276.4	48.09	4112

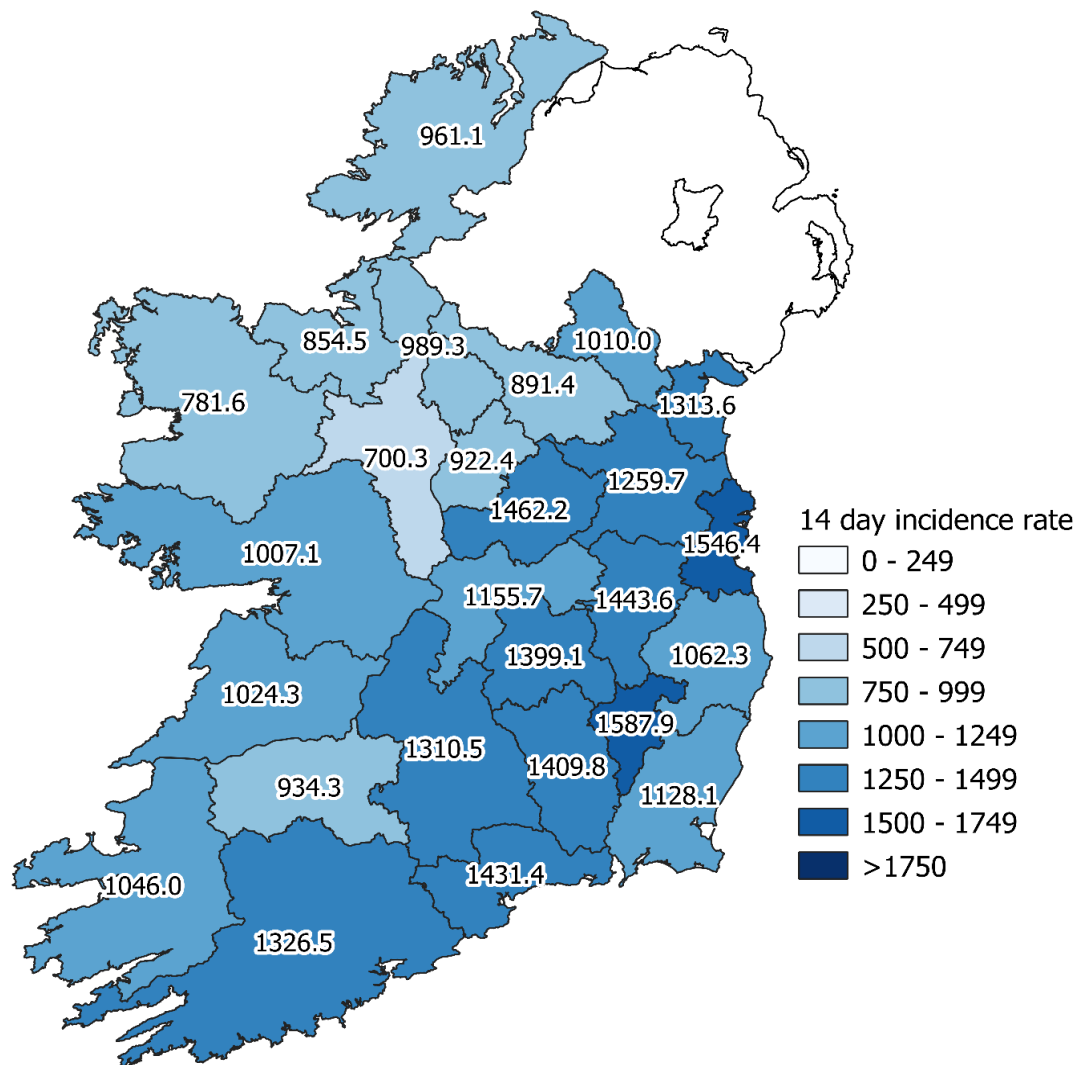


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 03/12/2021 up to midnight on 16/12/2021

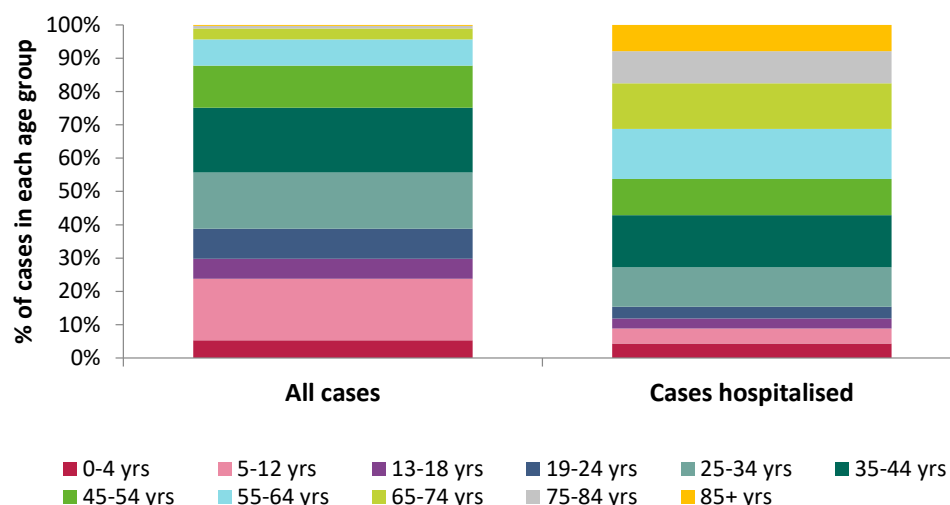


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 03/12/2021 up to midnight on 16/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 03/12/2021 up to midnight on 16/12/2021, by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Number of cases (%)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	3209	5.3	23	4.3	<5	-
5-12 yrs	11231	18.5	24	4.5	<5	-
13-18 yrs	3687	6.1	16	3.0	0	0.0
19-24 yrs	5437	8.9	19	3.6	0	0.0
25-34 yrs	10310	17.0	63	11.8	<5	-
35-44 yrs	11793	19.4	83	15.6	<5	-
45-54 yrs	7705	12.7	58	10.9	<5	-
55-64 yrs	4787	7.9	80	15.0	5	21.7
65-74 yrs	1986	3.3	73	13.7	7	30.4
75-84 yrs	444	0.7	51	9.6	0	0.0
85+ yrs	187	0.3	42	7.9	0	0.0
Unknown	3	0.0	0	0.0	0	0.0
Total	60779	100	532	100	23	100

* The number of cases hospitalised and admitted to ICU 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 and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

Table 5: Daily number of confirmed COVID-19 cases notified in Ireland from 03/12/2021 up to midnight on 16/12/2021

Date	Number of confirmed cases
03/12/2021	5613
04/12/2021	5149
05/12/2021	2947
06/12/2021	5574
07/12/2021	4147
08/12/2021	4018
09/12/2021	4105
10/12/2021	4001
11/12/2021	4665
12/12/2021	4682
13/12/2021	3884
14/12/2021	4231
15/12/2021	4135
16/12/2021	3628
Total	60,779

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.

Report prepared by COVID-19 Epidemiology Team, HPSC

Technical Notes

1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

2. 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.

3. Epidemiological date

The epi-date is the epidemiological date for a case. It 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.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (03/12/2021 to 16/12/2021)

