



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 10/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/11/2021 up to midnight on 09/12/2021

	Number	Percent
Total number of confirmed cases	63,513	
National incidence of confirmed cases per 100,000	1333.8	
Number of cases hospitalised*	550	0.87
Number of cases admitted to ICU*	21	0.03
Number of cases in healthcare workers	583	0.92
% where HCW is known	2.8	
Number of cases associated with clusters**	769	1.21
Males	31,311	49.3
Females	32,091	50.5
M:F ratio	0.98	
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 26/11/2021 up to midnight on 09/12/2021. 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 10/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

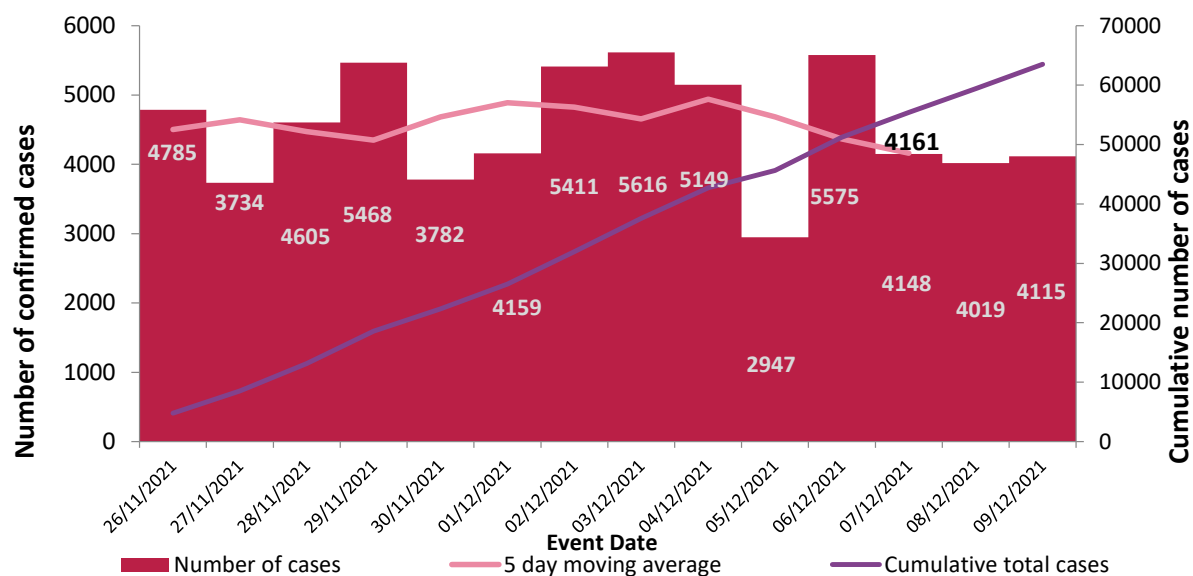


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=63513)

*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.

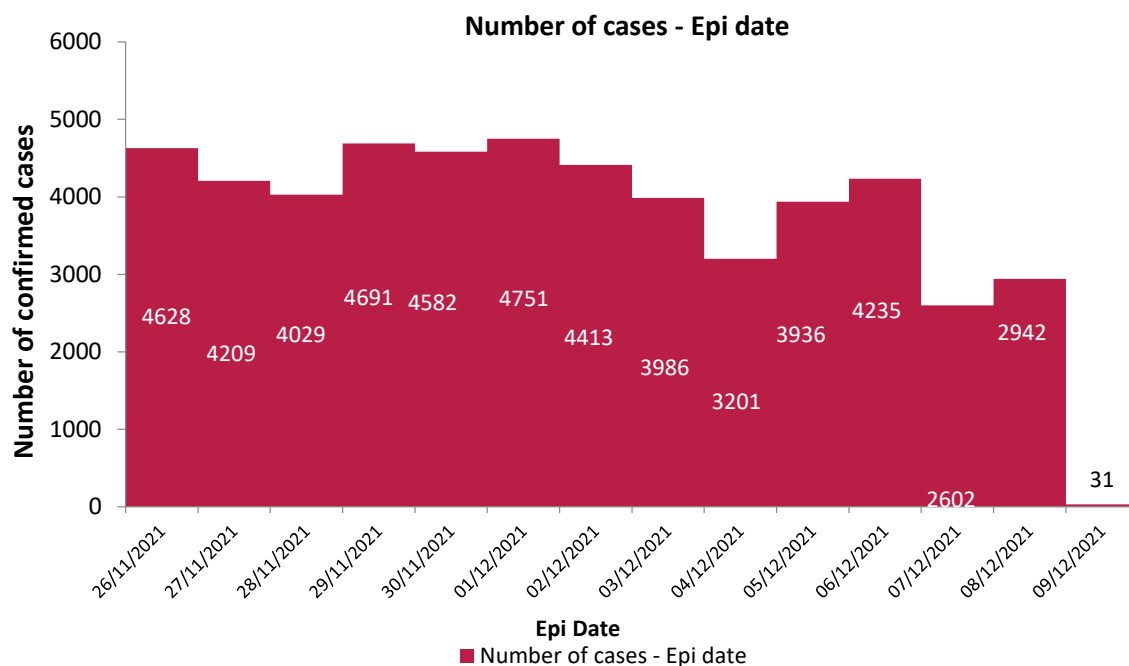


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 26/11/2021 up to midnight on 09/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		63,513	100
Sex	Male	31,311	49.3
	Female	32,091	50.5
	Unknown	111	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3369	5.3
	5-12 yrs	13164	20.7
	13-18 yrs	3819	6.0
	19-24 yrs	5212	8.2
	25-34 yrs	9275	14.6
	35-44 yrs	12066	19.0
	45-54 yrs	8085	12.7
	55-64 yrs	5147	8.1
	65-74 yrs	2597	4.1
	75-84 yrs	610	1.0
	85+ yrs	158	0.2
	Unknown	11	
	Total	63,513	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 26/11/2021 up to midnight on 09/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		63,513	100	
Symptom status at time of test*	Yes	17870	28.1	99.9
	No	9	0.0	0.1
	Unknown	45,634	71.8	
	Total cases where known	17879		
Healthcare worker	Yes	583	0.9	2.8
	No	20271	31.9	97.2
	Unknown	42,659	67.2	
	Total cases where known	20854		

*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.

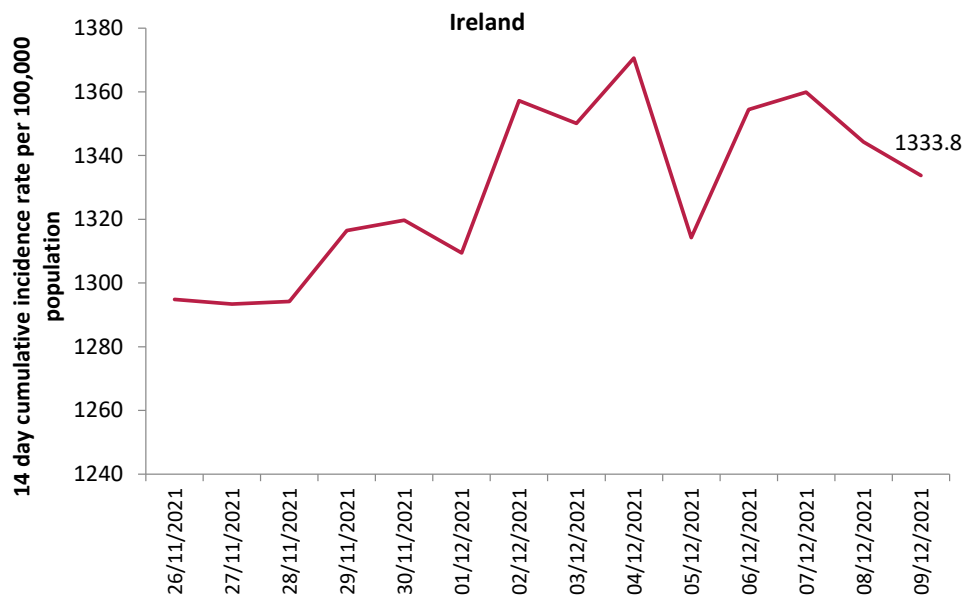


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 26/11/2021 up to midnight on 09/12/2021

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 26/11/2021 up to midnight on 09/12/2021, 7 day numbers are reported from 03/12/2021 up to midnight on 09/12/2021

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 (05/12/2021 - 09/12/2021)
Carlow	613	1076.7	1286	2258.8	47.67	77
Westmeath	819	922.6	1589	1790.0	51.54	111
Waterford	959	825.5	1757	1512.4	54.58	135
Dublin	10,562	783.9	20370	1511.8	51.85	1439
Kildare	1,725	775.3	3499	1572.6	49.30	233
Laois	654	772.2	1254	1480.6	52.15	87
Tipperary	1,156	724.5	2368	1484.1	48.82	137
Kilkenny	679	684.3	1378	1388.7	49.27	94
Louth	868	673.5	1768	1371.8	49.10	98
Offaly	509	652.9	938	1203.2	54.26	67
Cork	3,427	631.3	7174	1321.5	47.77	425
Wexford	914	610.5	1807	1206.9	50.58	124
Meath	1,168	598.8	2538	1301.2	46.02	159
Clare	711	598.4	1410	1186.7	50.43	100
Wicklow	838	588.4	1745	1225.2	48.02	113
Donegal	867	544.6	1658	1041.5	52.29	115
Galway	1,391	539.0	2945	1141.2	47.23	183
Longford	212	518.7	560	1370.1	37.86	30
Leitrim	165	514.9	315	983.0	52.38	21
Sligo	336	512.7	671	1023.9	50.07	38
Monaghan	308	501.7	604	983.9	50.99	37
Cavan	354	464.7	735	964.9	48.16	50
Kerry	671	454.3	1464	991.2	45.83	81
Mayo	587	449.8	1276	977.7	46.00	73
Limerick	826	423.8	1758	902.0	46.99	101
Roscommon	250	387.3	646	1000.9	38.70	32
Unknown/Other						
Total	31,569	663.0	63513	1333.8	49.70	4161

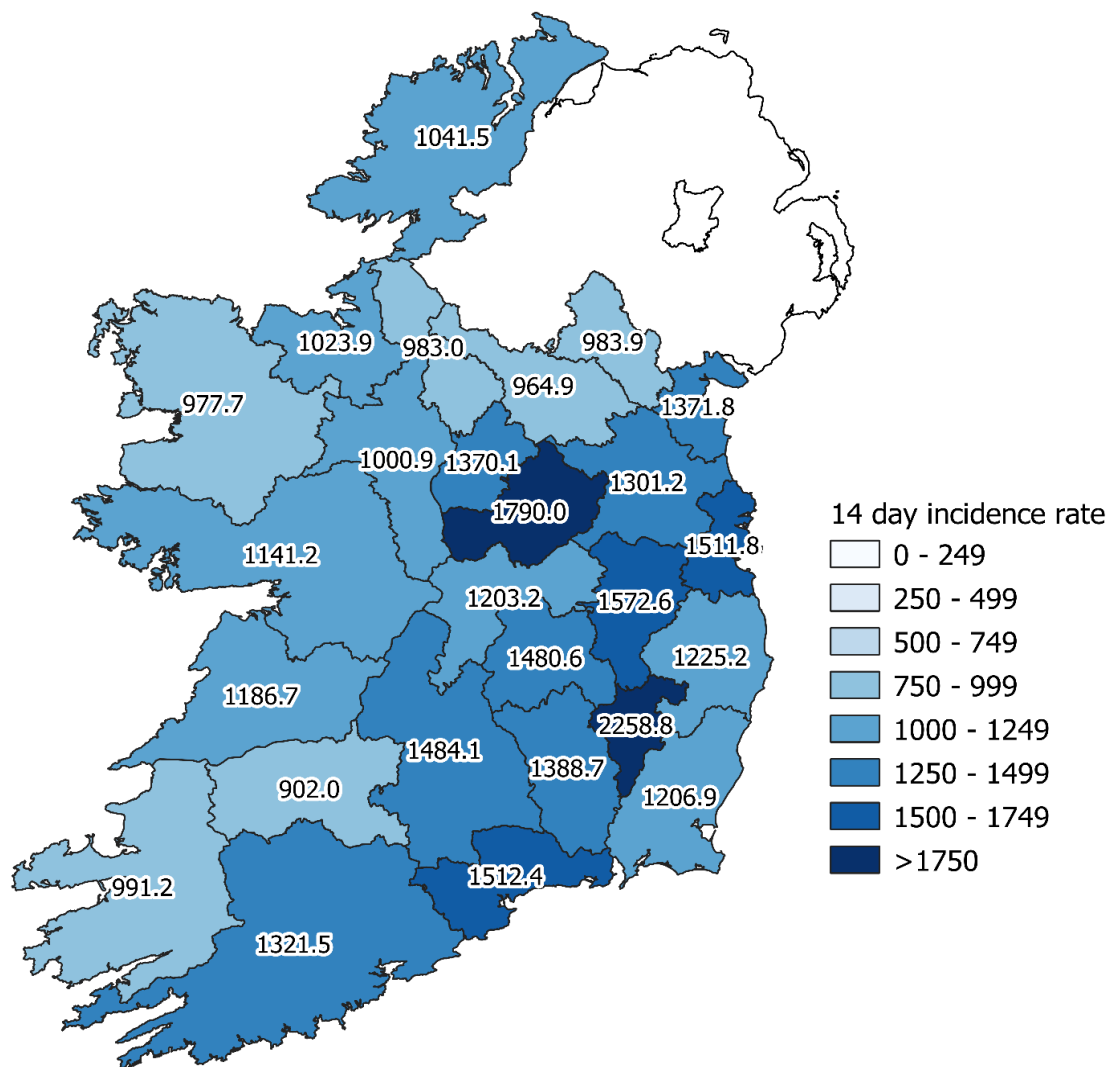


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 26/11/2021 up to midnight on 09/12/2021

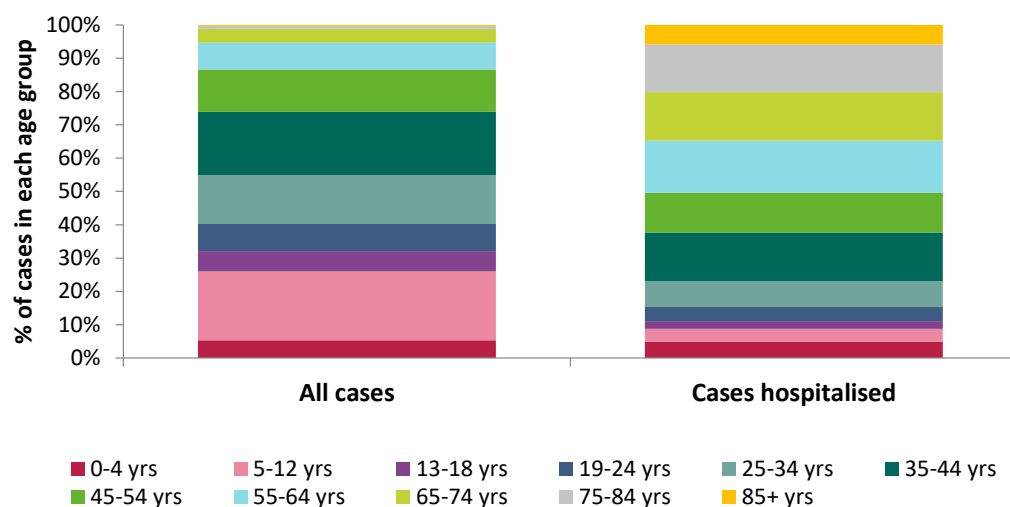


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 26/11/2021 up to midnight on 09/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 26/11/2021 up to midnight on 09/12/2021, 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	3369	5.3	27	4.9	0	0.0
5-12 yrs	13164	20.7	21	3.8	0	0.0
13-18 yrs	3819	6.0	13	2.4	0	0.0
19-24 yrs	5212	8.2	23	4.2	0	0.0
25-34 yrs	9275	14.6	43	7.8	<5	-
35-44 yrs	12066	19.0	80	14.5	<5	-
45-54 yrs	8085	12.7	66	12.0	<5	-
55-64 yrs	5147	8.1	86	15.6	6	28.6
65-74 yrs	2597	4.1	80	14.5	5	23.8
75-84 yrs	610	1.0	79	14.4	<5	-
85+ yrs	158	0.2	32	5.8	0	0.0
Unknown	11	0.0	0	0.0	0	0.0
Total	63513	100	550	100	21	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 26/11/2021 up to midnight on 09/12/2021

Date	Number of confirmed cases
26/11/2021	4785
27/11/2021	3734
28/11/2021	4605
29/11/2021	5468
30/11/2021	3782
01/12/2021	4159
02/12/2021	5411
03/12/2021	5616
04/12/2021	5149
05/12/2021	2947
06/12/2021	5575
07/12/2021	4148
08/12/2021	4019
09/12/2021	4115
Total	63,513

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 (26/11/2021 to 09/12/2021)

