



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 01/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 17/11/2021 up to midnight on 30/11/2021

Data on the most likely source of transmission is no longer included in this report and will be reported on a weekly basis in the Weekly Report on the epidemiology of COVID-19 in Ireland

	Number	Percent
Total number of confirmed cases	62,870	
National incidence of confirmed cases per 100,000	1320.3	
Number of cases hospitalised*	506	0.80
Number of cases admitted to ICU*	38	0.06
Number of cases in healthcare workers	372	0.59
% where HCW is known	3.1	
Number of cases associated with clusters**	794	1.26
Males	31,273	49.7
Females	31,493	50.1
M:F ratio	0.99	
Median age (years)	32	
Mean age (years)	32	
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 17/11/2021 up to midnight on 30/11/2021. 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 01/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

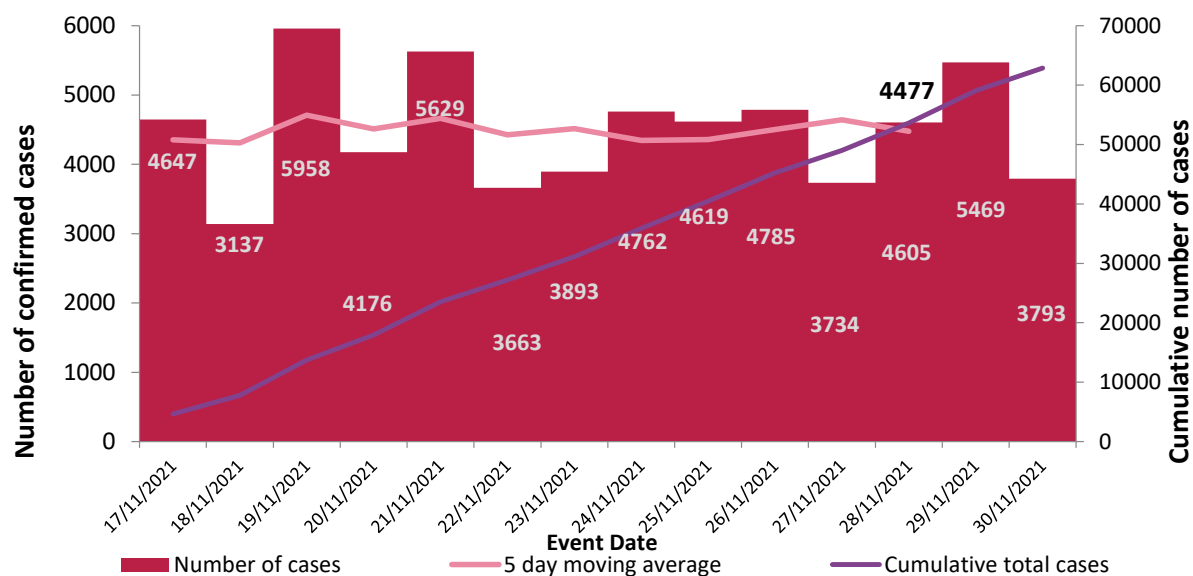


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=62870)

*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.

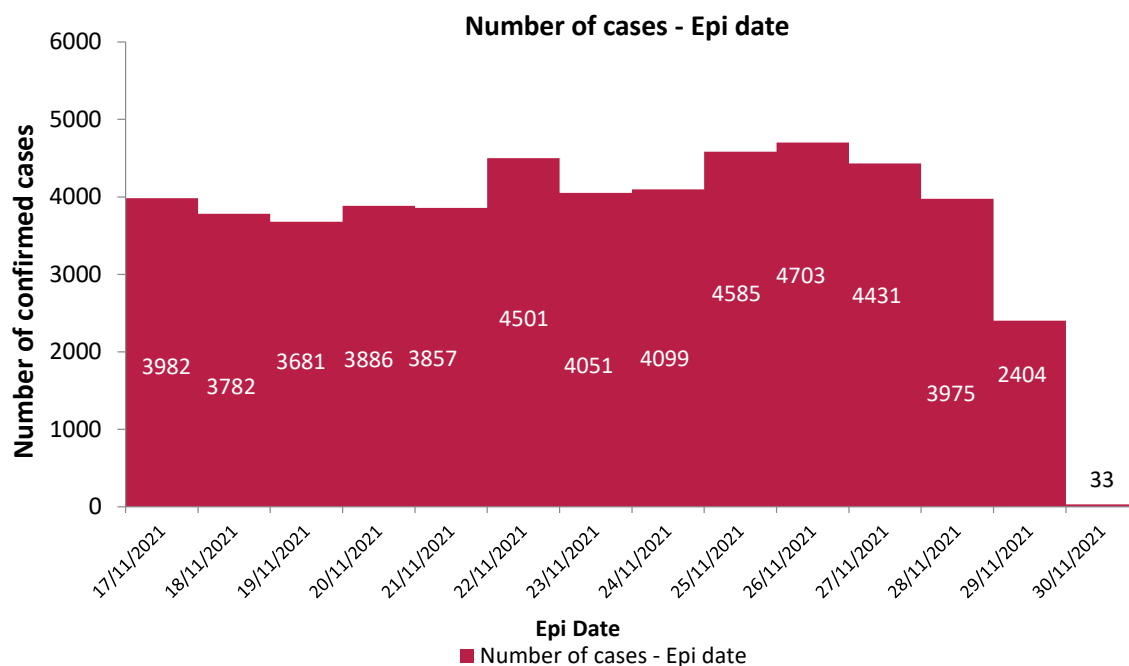


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 17/11/2021 up to midnight on 30/11/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		62,870	100
Sex	Male	31,273	49.7
	Female	31,493	50.1
	Unknown	104	0.2
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0-101	
	0-4 yrs	3089	4.9
	5-12 yrs	12302	19.6
	13-18 yrs	3565	5.7
	19-24 yrs	5637	9.0
	25-34 yrs	8879	14.1
	35-44 yrs	11438	18.2
	45-54 yrs	8126	12.9
	55-64 yrs	5390	8.6
	65-74 yrs	3323	5.3
	75-84 yrs	898	1.4
	85+ yrs	204	0.3
	Unknown	19	
	Total	62,870	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 17/11/2021 up to midnight on 30/11/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		62,870	100	
Symptom status at time of test*	Yes	10186	16.2	99.9
	No	13	0.0	0.1
	Unknown	52,671	83.8	
	Total cases where known	10199		
Healthcare worker	Yes	372	0.6	3.1
	No	11466	18.2	96.9
	Unknown	51,032	81.2	
	Total cases where known	11838		

*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.

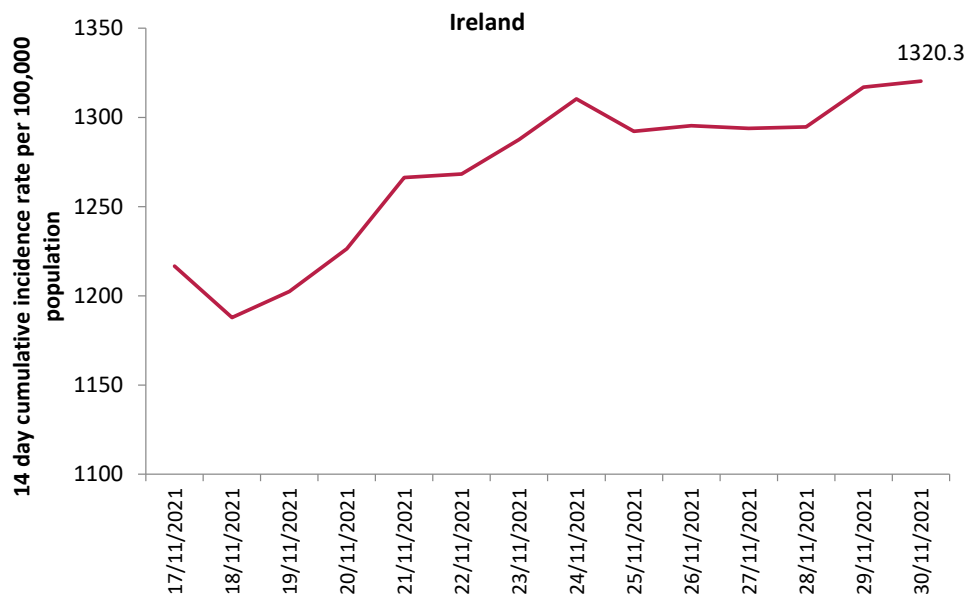


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 17/11/2021 up to midnight on 30/11/2021

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 17/11/2021 up to midnight on 30/11/2021, 7 day numbers are reported from 24/11/2021 up to midnight on 30/11/2021

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 (26/11/2021 - 30/11/2021)
Carlow	636	1117.1	1129	1983.1	56.33	88
Longford	365	893.0	699	1710.2	52.22	52
Westmeath	839	945.1	1651	1859.9	50.82	120
Tipperary	1,279	801.6	2385	1494.8	53.63	176
Dublin	10,074	747.7	19836	1472.2	50.79	1456
Kilkenny	708	713.5	1508	1519.7	46.95	94
Cork	3,585	660.4	6982	1286.1	51.35	491
Louth	999	775.1	2044	1585.9	48.87	132
Laois	595	702.5	1007	1188.9	59.09	78
Waterford	758	652.5	1652	1422.0	45.88	108
Wexford	926	618.5	1792	1196.9	51.67	132
Kildare	1,570	705.6	2928	1315.9	53.62	229
Limerick	954	489.5	2018	1035.4	47.27	142
Cavan	395	518.5	947	1243.2	41.71	52
Meath	1,304	668.6	2544	1304.3	51.26	181
Monaghan	306	498.5	648	1055.6	47.22	42
Clare	715	601.8	1414	1190.1	50.57	103
Galway	1,463	566.9	2856	1106.7	51.23	204
Roscommon	389	602.7	748	1158.9	52.01	51
Sligo	317	483.7	673	1026.9	47.10	42
Offaly	406	520.8	781	1001.8	51.98	55
Kerry	694	469.8	1546	1046.7	44.89	101
Wicklow	864	606.6	1521	1067.9	56.80	134
Donegal	794	498.8	1743	1094.9	45.55	103
Mayo	691	529.5	1495	1145.5	46.22	95
Leitrim	141	440.0	323	1008.0	43.65	17
Unknown/Other						
Total	31,767	667.1	62870	1320.3	50.53	4477

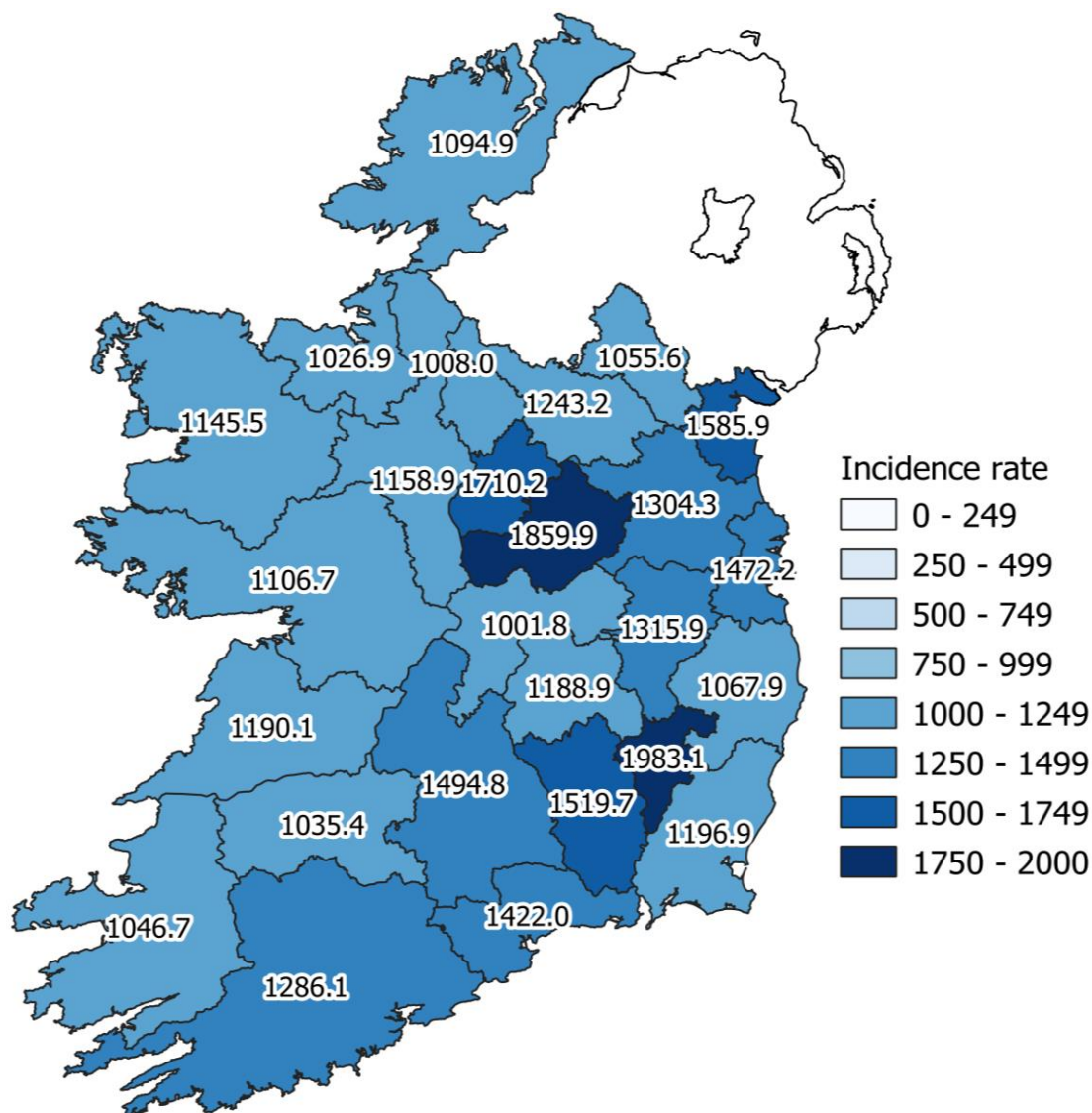


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 17/11/2021 up to midnight on 30/11/2021

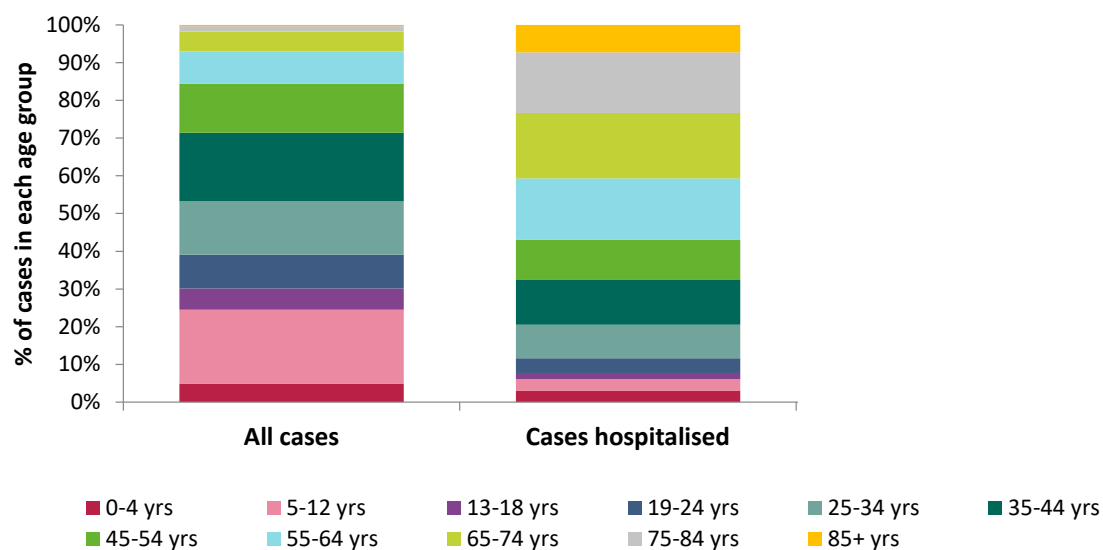


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 17/11/2021 up to midnight on 30/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 17/11/2021 up to midnight on 30/11/2021, 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	3089	4.9	15	3.0	<5	-
5-12 yrs	12302	19.6	16	3.2	<5	-
13-18 yrs	3565	5.7	8	1.6	<5	-
19-24 yrs	5637	9.0	20	4.0	<5	-
25-34 yrs	8879	14.1	45	8.9	<5	-
35-44 yrs	11438	18.2	60	11.9	<5	-
45-54 yrs	8126	12.9	54	10.7	8	21.1
55-64 yrs	5390	8.6	82	16.2	7	18.4
65-74 yrs	3323	5.3	88	17.4	14	36.8
75-84 yrs	898	1.4	81	16.0	<5	-
85+ yrs	204	0.3	37	7.3	<5	-
Unknown	19	0.0	0	0.0	0	0.0
Total	62870	100	506	100	38	100

* The number of cases hospitalised and admitted to ICU described in the above table and figure 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 17/11/2021 up to midnight on 30/11/2021

Date	Number of confirmed cases
17/11/2021	4647
18/11/2021	3137
19/11/2021	5958
20/11/2021	4176
21/11/2021	5629
22/11/2021	3663
23/11/2021	3893
24/11/2021	4762
25/11/2021	4619
26/11/2021	4785
27/11/2021	3734
28/11/2021	4605
29/11/2021	5469
30/11/2021	3793
Total	62,870

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 (17/11/2021 to 30/11/2021)

