



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 02/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 18/11/2021 up to midnight on 01/12/2021

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	62,383	
National incidence of confirmed cases per 100,000	1310.1	
Number of cases hospitalised*	510	0.82
Number of cases admitted to ICU*	34	0.05
Number of cases in healthcare workers	376	0.60
% where HCW is known	3.2	
Number of cases associated with clusters**	796	1.28
Males	30,939	49.6
Females	31,343	50.2
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 18/11/2021 up to midnight on 01/12/2021. 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 02/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

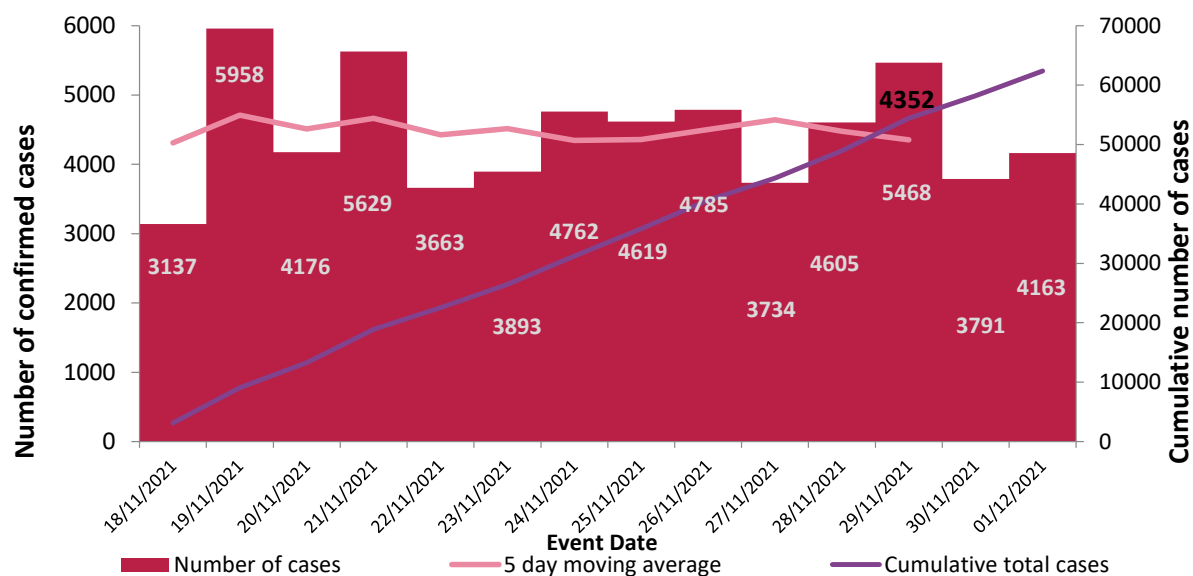


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=62383)

*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.

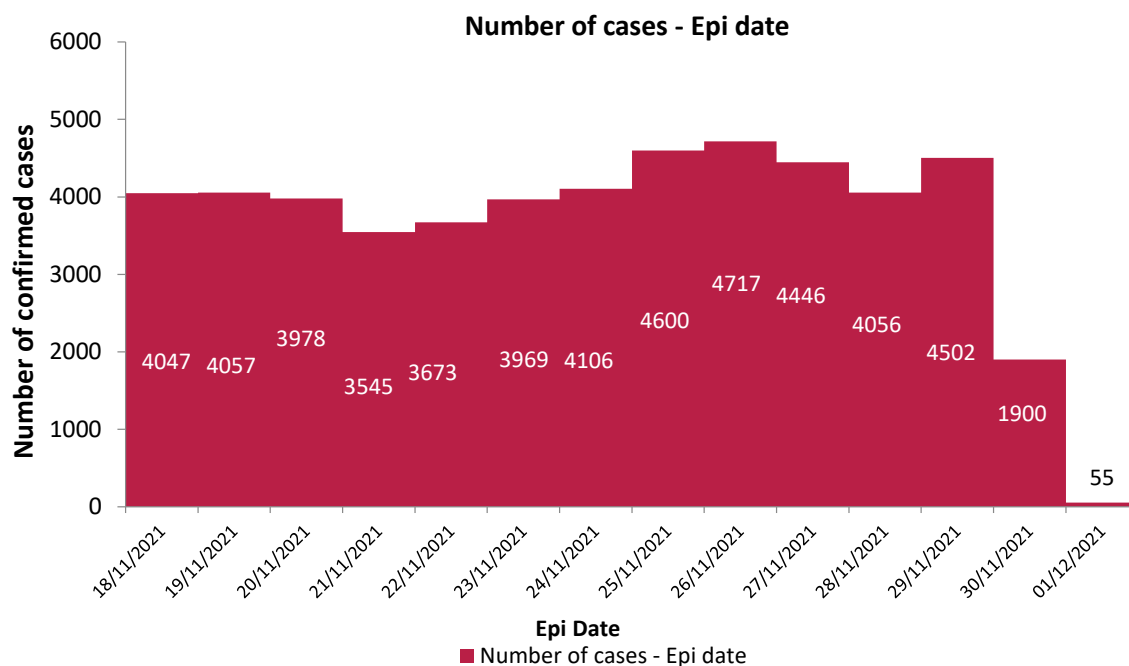


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 18/11/2021 up to midnight on 01/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		62,383	100
Sex	Male	30,939	49.6
	Female	31,343	50.2
	Unknown	101	0.2
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0-101	
	0-4 yrs	3118	5.0
	5-12 yrs	12304	19.7
	13-18 yrs	3541	5.7
	19-24 yrs	5588	9.0
	25-34 yrs	8792	14.1
	35-44 yrs	11374	18.2
	45-54 yrs	8073	12.9
	55-64 yrs	5307	8.5
	65-74 yrs	3226	5.2
	75-84 yrs	858	1.4
	85+ yrs	184	0.3
	Unknown	18	
	Total	62,383	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 18/11/2021 up to midnight on 01/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		62,383	100	
Symptom status at time of test*	Yes	10131	16.2	99.9
	No	14	0.0	0.1
	Unknown	52,238	83.7	
	Total cases where known	10145		
Healthcare worker	Yes	376	0.6	3.2
	No	11410	18.3	96.8
	Unknown	50,597	81.1	
	Total cases where known	11786		

*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.

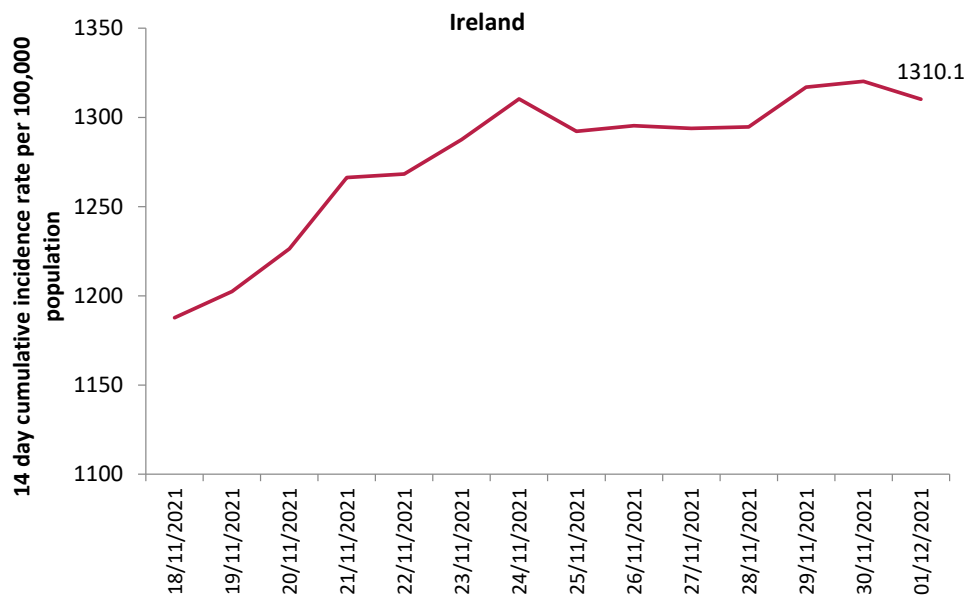


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 18/11/2021 up to midnight on 01/12/2021

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 18/11/2021 up to midnight on 01/12/2021, 7 day numbers are reported from 25/11/2021 up to midnight on 01/12/2021

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 (27/11/2021 - 01/12/2021)
Carlow	581	1020.5	1113	1955.0	52.20	87
Westmeath	795	895.6	1623	1828.3	48.98	114
Longford	364	890.6	687	1680.8	52.98	49
Tipperary	1,222	765.9	2362	1480.4	51.74	172
Kildare	1,681	755.5	3025	1359.5	55.57	243
Dublin	9,936	737.4	19935	1479.6	49.84	1351
Cork	3,676	677.1	6975	1284.8	52.70	487
Meath	1,295	664.0	2527	1295.6	51.25	183
Waterford	770	662.8	1675	1441.8	45.97	120
Louth	840	651.7	1945	1509.1	43.19	108
Kilkenny	645	650.0	1431	1442.1	45.07	91
Laois	543	641.1	1019	1203.1	53.29	84
Wicklow	878	616.5	1572	1103.7	55.85	131
Wexford	915	611.1	1824	1218.3	50.16	138
Clare	713	600.1	1365	1148.8	52.23	99
Galway	1,439	557.6	2807	1087.7	51.26	207
Mayo	660	505.7	1441	1104.2	45.80	88
Offaly	394	505.4	765	981.3	51.50	59
Kerry	744	503.7	1531	1036.5	48.60	113
Donegal	783	491.9	1714	1076.7	45.68	105
Limerick	918	471.0	1935	992.8	47.44	131
Roscommon	302	467.9	643	996.2	46.97	43
Cavan	356	467.3	889	1167.0	40.04	49
Monaghan	285	464.3	635	1034.4	44.88	40
Sligo	293	447.1	628	958.3	46.66	38
Leitrim	137	427.5	317	989.3	43.22	20
Unknown/Other						
Total	31,165	654.5	62383	1310.1	49.96	4352

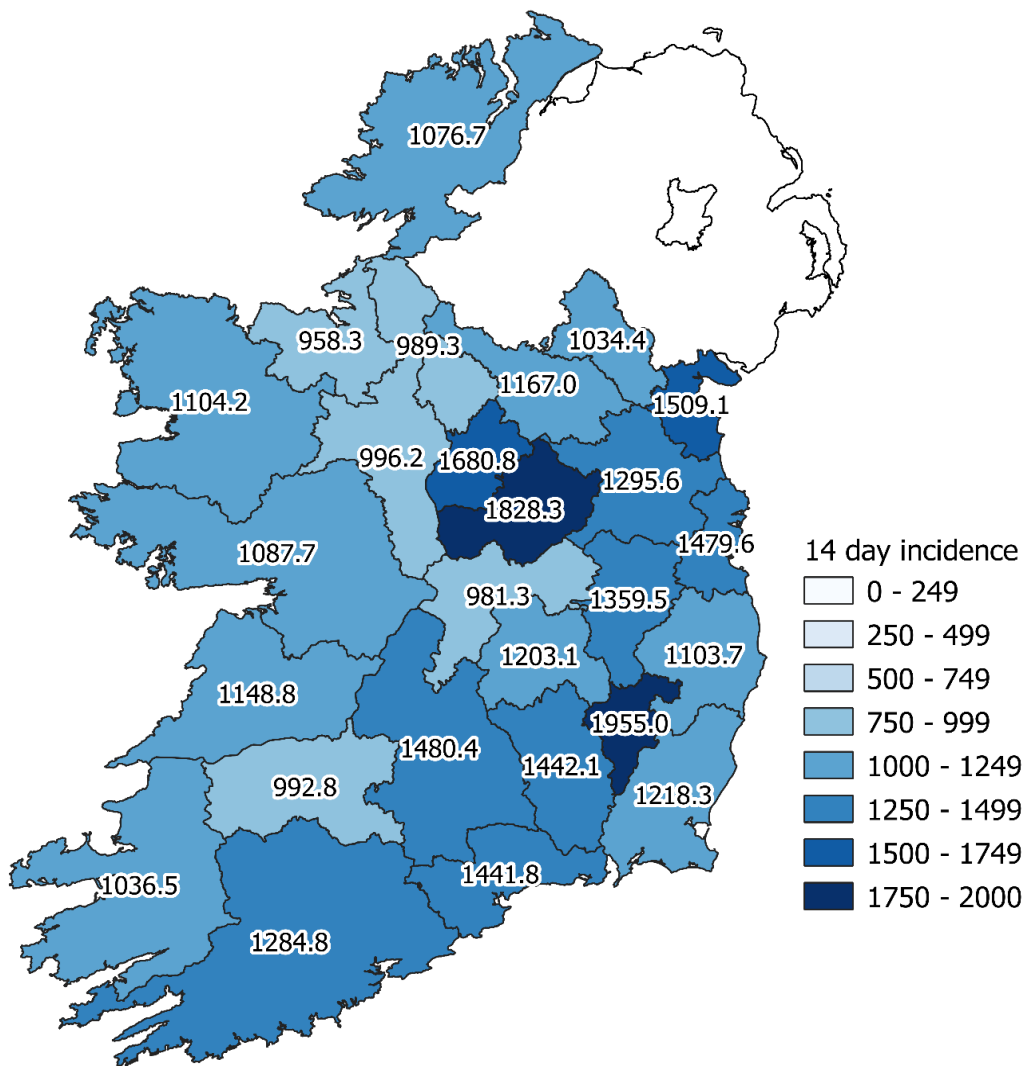


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 18/11/2021 up to midnight on 01/12/2021

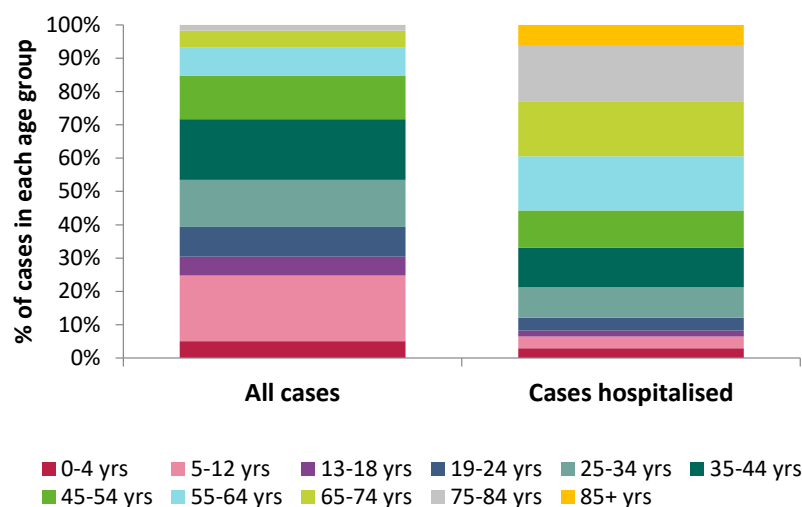


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 18/11/2021 up to midnight on 01/12/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 18/11/2021 up to midnight on 01/12/2021, 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	3118	5.0	15	2.9	0	0.0
5-12 yrs	12304	19.7	18	3.5	<5	-
13-18 yrs	3541	5.7	9	1.8	0	0.0
19-24 yrs	5588	9.0	20	3.9	0	0.0
25-34 yrs	8792	14.1	46	9.0	<5	-
35-44 yrs	11374	18.2	61	12.0	<5	-
45-54 yrs	8073	12.9	57	11.2	6	17.6
55-64 yrs	5307	8.5	83	16.3	8	23.5
65-74 yrs	3226	5.2	84	16.5	10	29.4
75-84 yrs	858	1.4	85	16.7	<5	-
85+ yrs	184	0.3	32	6.3	<5	-
Unknown	18	0.0	0	0.0	0	0.0
Total	62383	100	510	100	34	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 18/11/2021 up to midnight on 01/12/2021

Date	Number of confirmed cases
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	5468
30/11/2021	3791
01/12/2021	4163
Total	62,383

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 (18/11/2021 to 01/12/2021)

