



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 09/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 25/11/2021 up to midnight on 08/12/2021

	Number	Percent
Total number of confirmed cases	64,024	
National incidence of confirmed cases per 100,000	1344.5	
Number of cases hospitalised*	565	0.88
Number of cases admitted to ICU*	23	0.04
Number of cases in healthcare workers	644	1.01
% where HCW is known	2.8	
Number of cases associated with clusters**	723	1.13
Males	31,466	49.1
Females	32,444	50.7
M:F ratio	0.97	
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 25/11/2021 up to midnight on 08/12/2021. 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 09/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

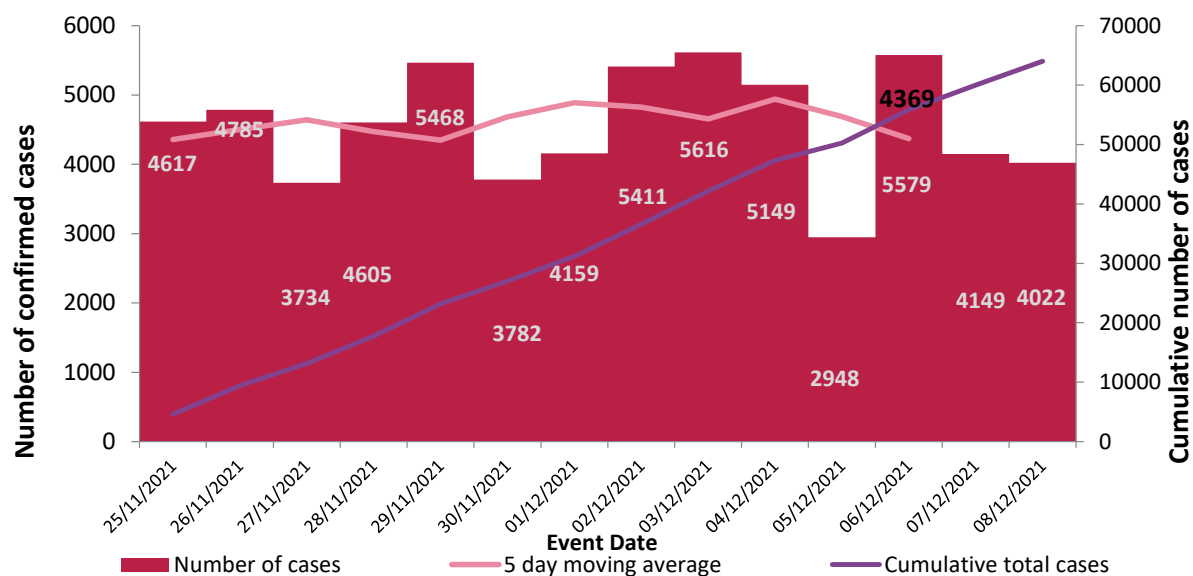


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=64024)

*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.

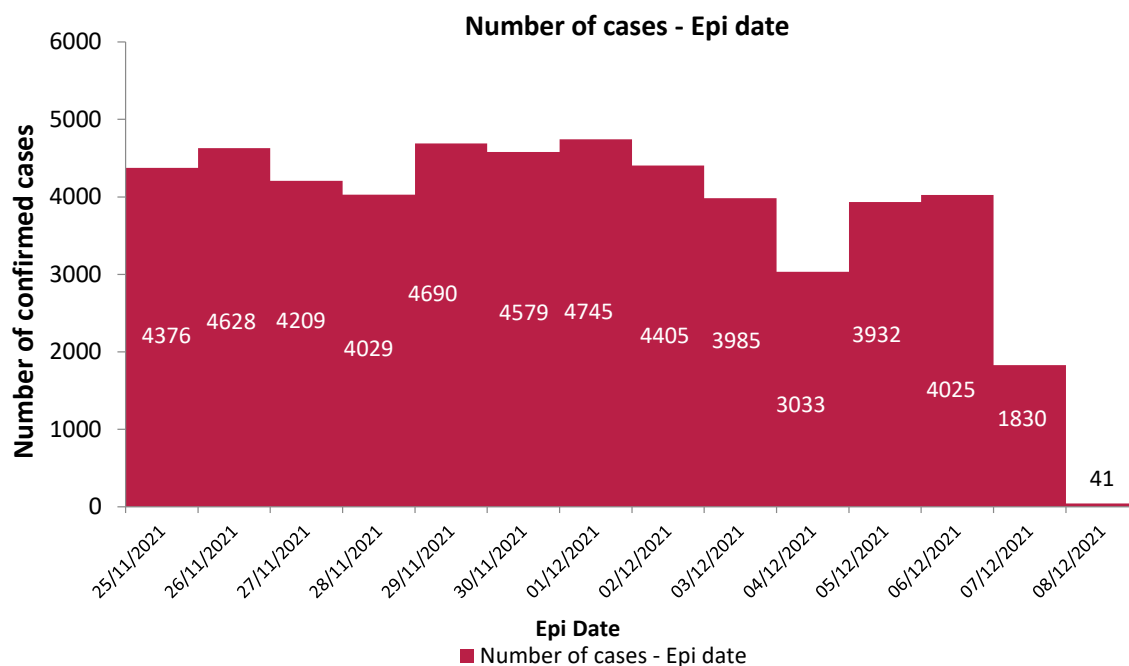


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 25/11/2021 up to midnight on 08/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		64,024	100
Sex	Male	31,466	49.1
	Female	32,444	50.7
	Unknown	114	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3391	5.3
	5-12 yrs	13394	20.9
	13-18 yrs	3846	6.0
	19-24 yrs	5347	8.4
	25-34 yrs	9166	14.3
	35-44 yrs	12018	18.8
	45-54 yrs	8145	12.7
	55-64 yrs	5208	8.1
	65-74 yrs	2682	4.2
	75-84 yrs	657	1.0
	85+ yrs	160	0.2
	Unknown	10	
	Total	64,024	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 25/11/2021 up to midnight on 08/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		64,024	100	
Symptom status at time of test*	Yes	19415	30.3	100.0
	No	6	0.0	0.0
	Unknown	44,603	69.7	
	Total cases where known	19421		
Healthcare worker	Yes	644	1.0	2.8
	No	21985	34.3	97.2
	Unknown	41,395	64.7	
	Total cases where known	22629		

*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.

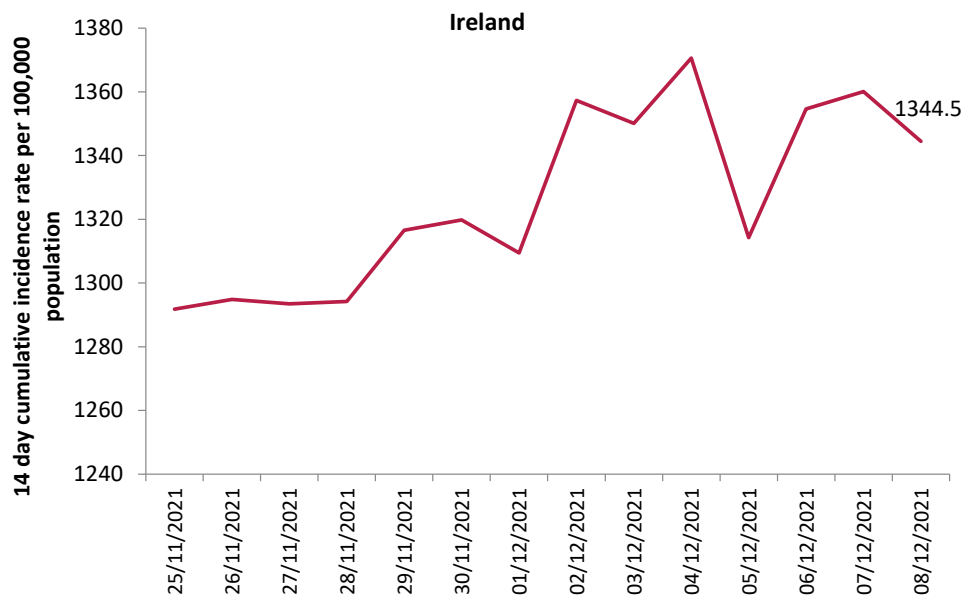


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 25/11/2021 up to midnight on 08/12/2021

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 25/11/2021 up to midnight on 08/12/2021, 7 day numbers are reported from 02/12/2021 up to midnight on 08/12/2021

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 (04/12/2021 - 08/12/2021)
Carlow	692	1215.5	1271	2232.5	54.45	74
Westmeath	858	966.5	1624	1829.4	52.83	125
Laois	717	846.5	1251	1477.0	57.31	91
Waterford	963	828.9	1742	1499.4	55.28	127
Kildare	1,727	776.2	3452	1551.4	50.03	243
Louth	1,000	775.9	1840	1427.6	54.35	119
Dublin	10,323	766.2	20284	1505.5	50.89	1483
Kilkenny	748	753.8	1392	1402.8	53.74	89
Tipperary	1,196	749.6	2418	1515.5	49.46	151
Offaly	554	710.6	930	1192.9	59.57	68
Cork	3,766	693.7	7448	1372.0	50.56	481
Meath	1,243	637.3	2541	1302.8	48.92	160
Sligo	406	619.5	702	1071.2	57.83	44
Wicklow	877	615.8	1757	1233.6	49.91	121
Wexford	915	611.1	1831	1222.9	49.97	116
Clare	724	609.3	1426	1200.2	50.77	98
Donegal	932	585.5	1713	1076.1	54.41	125
Longford	232	567.6	580	1419.0	40.00	29
Monaghan	347	565.3	626	1019.8	55.43	45
Galway	1,454	563.4	2893	1121.1	50.26	180
Leitrim	179	558.6	317	989.3	56.47	23
Roscommon	348	539.2	650	1007.1	53.54	34
Cavan	397	521.2	751	985.9	52.86	52
Kerry	755	511.1	1495	1012.1	50.50	100
Mayo	622	476.6	1296	993.1	47.99	76
Limerick	899	461.3	1794	920.5	50.11	116
Unknown/Other						
Total	32,874	690.4	64024	1344.5	51.35	4369

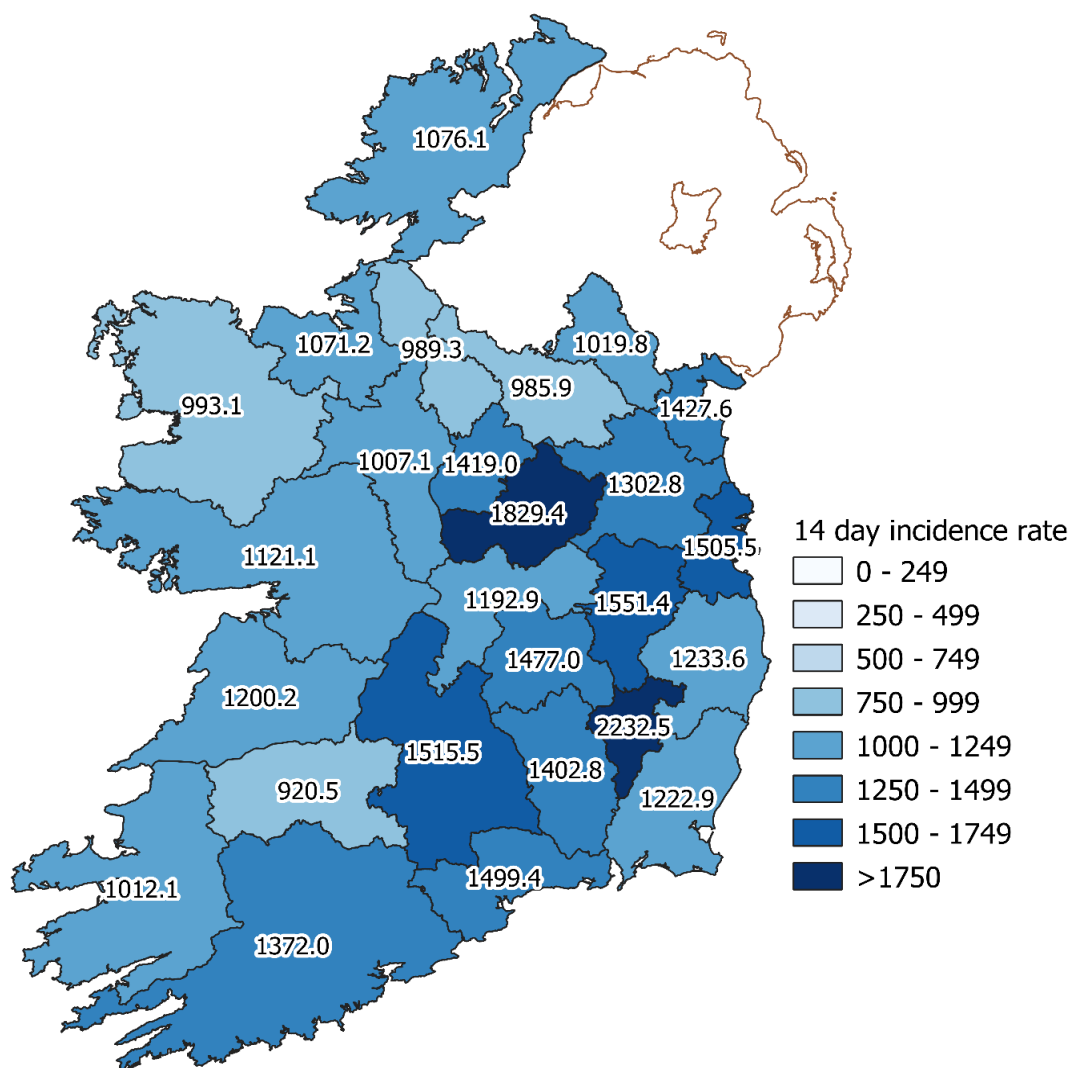


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 25/11/2021 up to midnight on 08/12/2021

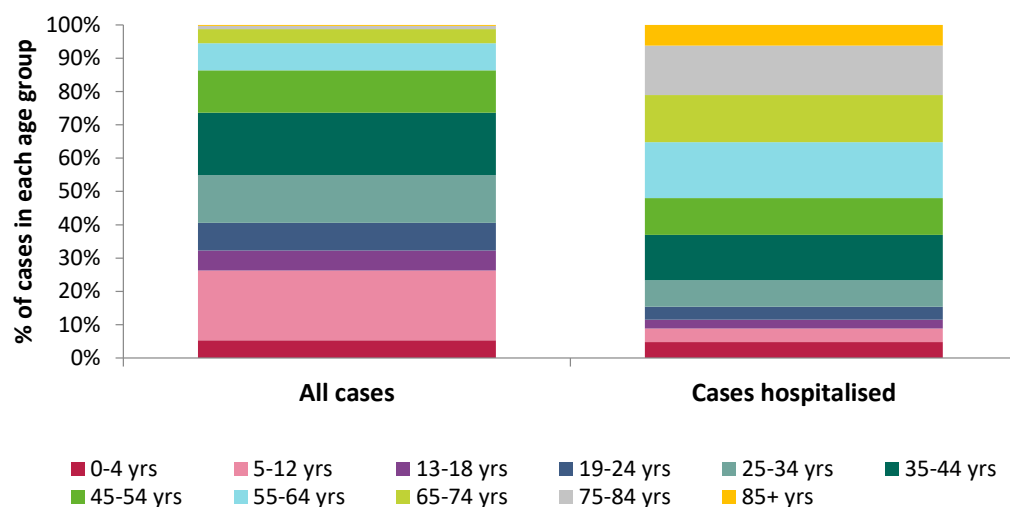


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 25/11/2021 up to midnight on 08/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 25/11/2021 up to midnight on 08/12/2021, 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	3391	5.3	27	4.8	0	0.0
5-12 yrs	13394	20.9	23	4.1	0	0.0
13-18 yrs	3846	6.0	15	2.7	0	0.0
19-24 yrs	5347	8.4	22	3.9	0	0.0
25-34 yrs	9166	14.3	45	8.0	<5	-
35-44 yrs	12018	18.8	77	13.6	<5	-
45-54 yrs	8145	12.7	62	11.0	<5	-
55-64 yrs	5208	8.1	95	16.8	7	30.4
65-74 yrs	2682	4.2	80	14.2	<5	-
75-84 yrs	657	1.0	84	14.9	<5	-
85+ yrs	160	0.2	35	6.2	0	0.0
Unknown	10	0.0	0	0.0	0	0.0
Total	64024	100	565	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 25/11/2021 up to midnight on 08/12/2021

Date	Number of confirmed cases
25/11/2021	4617
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	2948
06/12/2021	5579
07/12/2021	4149
08/12/2021	4022
Total	64,024

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 (25/11/2021 to 08/12/2021)

