



# Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 15/12/2021

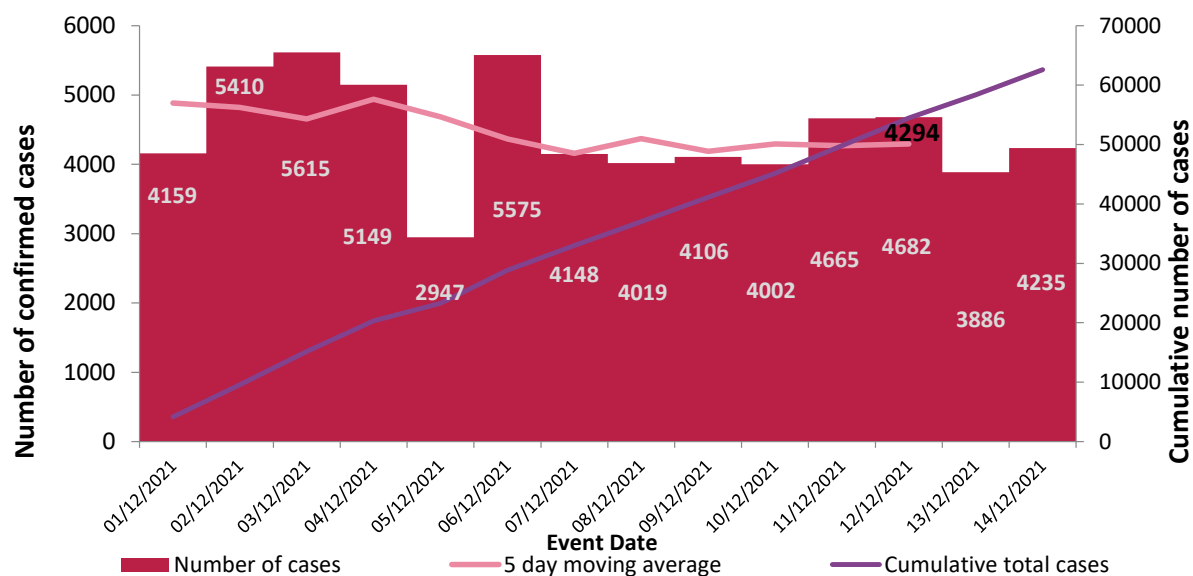
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 01/12/2021 up to midnight on 14/12/2021

	Number	Percent
Total number of confirmed cases	62,598	
National incidence of confirmed cases per 100,000	1314.6	
Number of cases hospitalised*	548	0.88
Number of cases admitted to ICU*	24	0.04
Number of cases in healthcare workers	336	0.54
% where HCW is known	3.0	
Number of cases associated with clusters**	699	1.12
Males	30,964	49.5
Females	31,505	50.3
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 01/12/2021 up to midnight on 14/12/2021. 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.

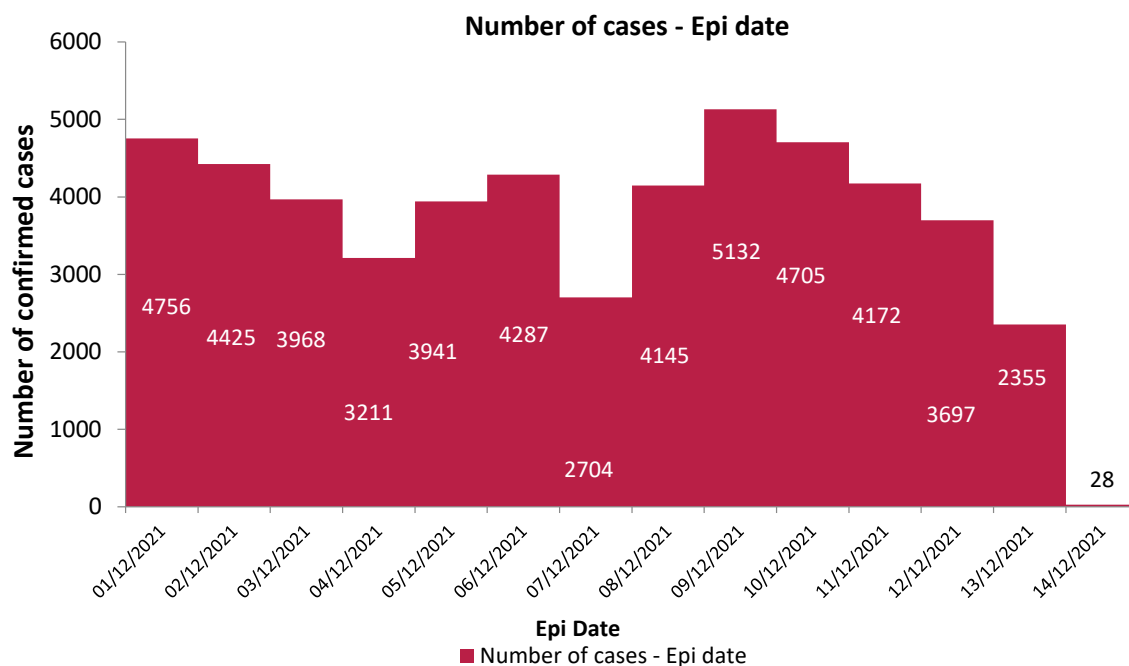
**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 15/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.**



**Figure 1a. Daily number\* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=62598)**

\*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.

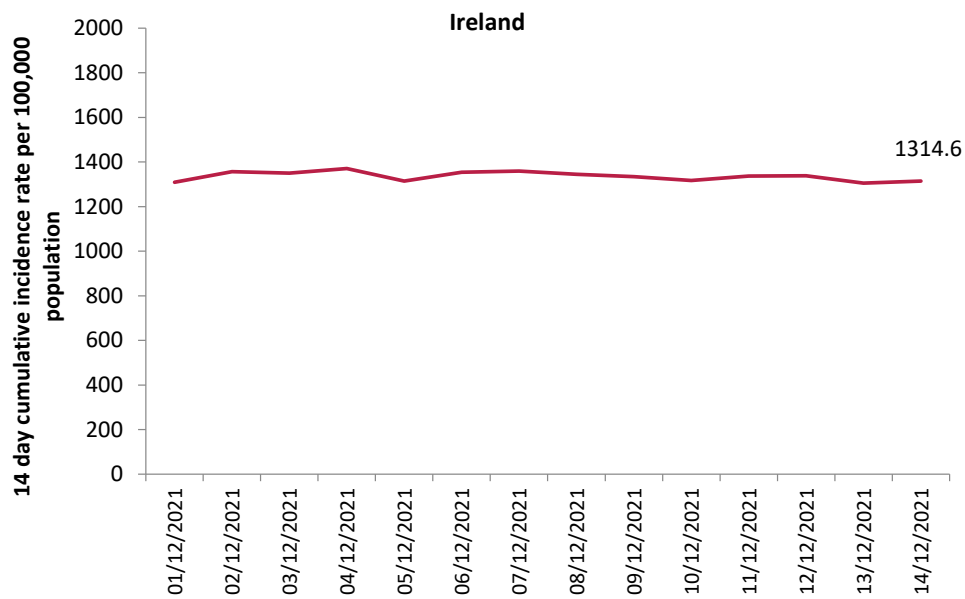
**Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 01/12/2021 up to midnight on 14/12/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		62,598	100
<b>Sex</b>	Male	30,964	49.5
	Female	31,505	50.3
	Unknown	129	0.2
<b>Age</b>	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3404	5.4
	5-12 yrs	12302	19.7
	13-18 yrs	3825	6.1
	19-24 yrs	5277	8.4
	25-34 yrs	9851	15.7
	35-44 yrs	12095	19.3
	45-54 yrs	7988	12.8
	55-64 yrs	4966	7.9
	65-74 yrs	2203	3.5
	75-84 yrs	510	0.8
	85+ yrs	174	0.3
	Unknown	3	
	Total	62,598	

**Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 01/12/2021 up to midnight on 14/12/2021**

Characteristic		Number of cases	Percent	Percent where known
<b>Total number of confirmed cases</b>		62,598	100	
<b>Symptom status at time of test*</b>	Yes	9572	15.3	99.9
	No	11	0.0	0.1
	Unknown	53,015	84.7	
	Total cases where known	9583		
<b>Healthcare worker</b>	Yes	336	0.5	3.0
	No	10939	17.5	97.0
	Unknown	51,323	82.0	
	Total cases where known	11275		

\*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.

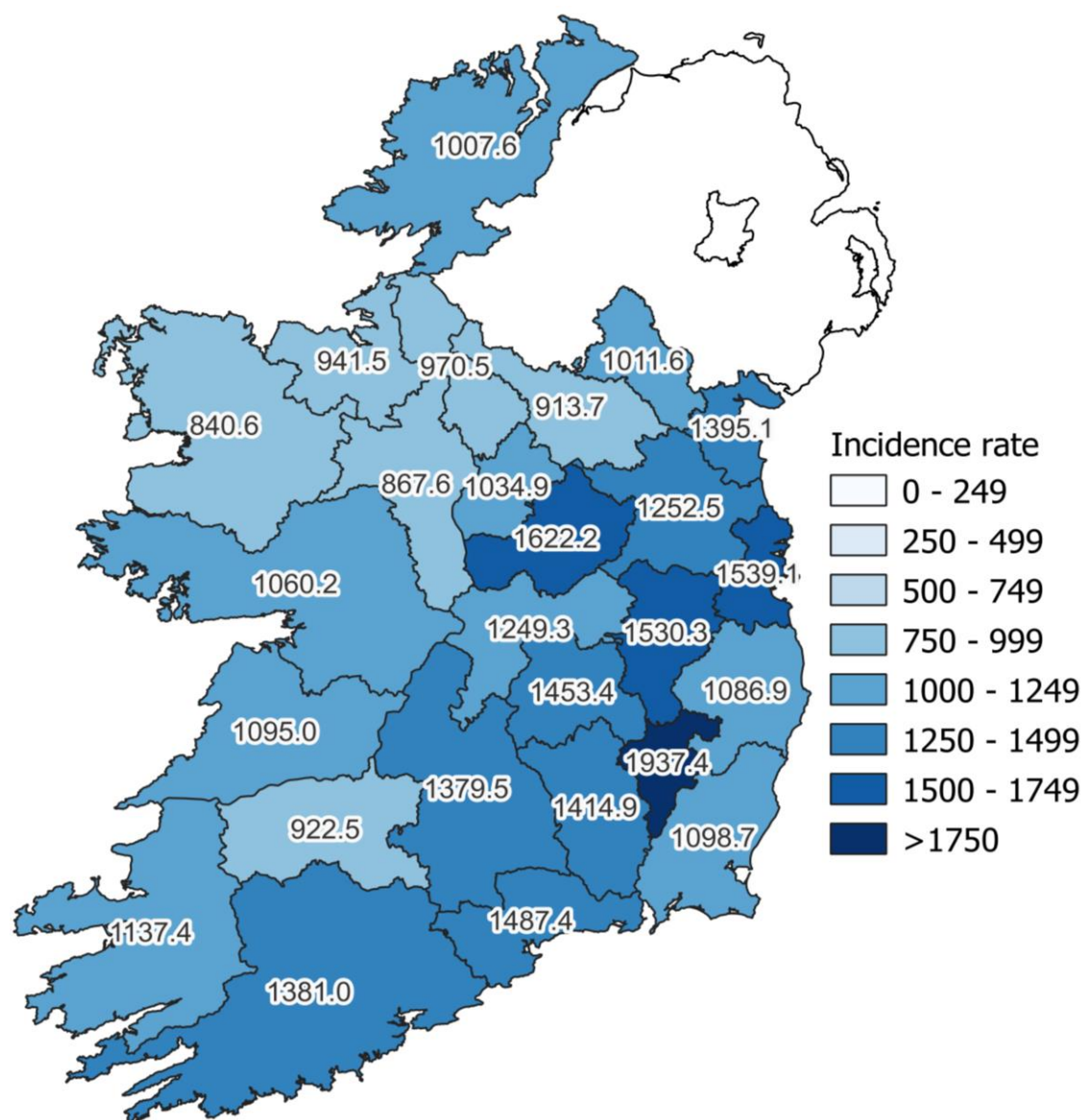


**Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 01/12/2021 up to midnight on 14/12/2021**

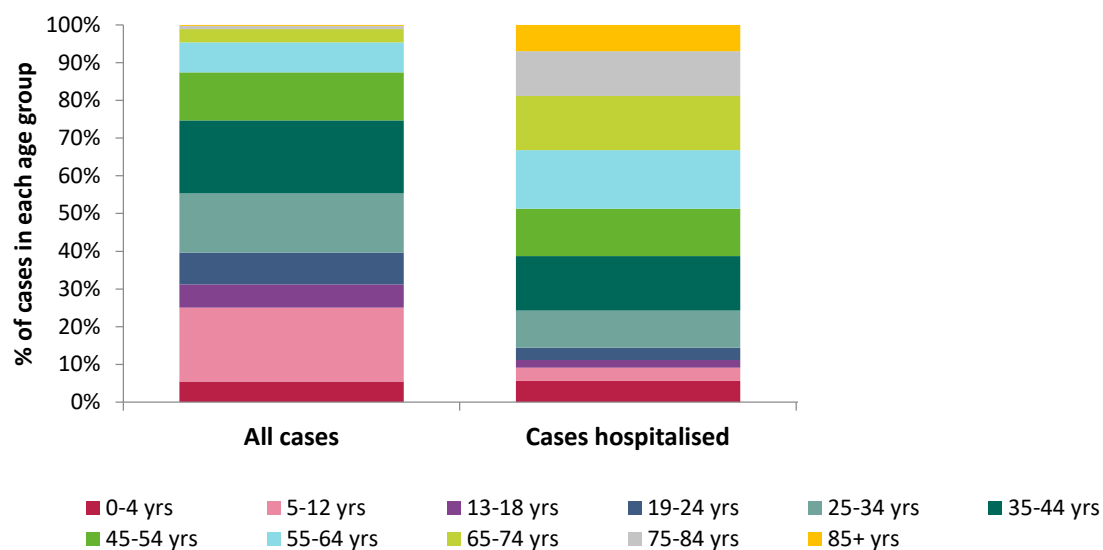
14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 01/12/2021 up to midnight on 14/12/2021, 7 day numbers are reported from 08/12/2021 up to midnight on 14/12/2021**

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 (10/12/2021 - 14/12/2021)
Westmeath	715	805.5	1440	1622.2	49.65	96
Carlow	443	778.1	1103	1937.4	40.16	51
Laois	558	658.8	1231	1453.4	45.33	76
Kilkenny	704	709.4	1404	1414.9	50.14	99
Dublin	10,497	779.1	20737	1539.1	50.62	1528
Waterford	757	651.6	1728	1487.4	43.81	100
Louth	840	651.7	1798	1395.1	46.72	139
Cork	3,428	631.5	7497	1381.0	45.72	556
Kildare	1,550	696.6	3405	1530.3	45.52	209
Tipperary	960	601.7	2201	1379.5	43.62	142
Clare	557	468.8	1301	1095.0	42.81	85
Offaly	473	606.7	974	1249.3	48.56	65
Meath	1,150	589.6	2443	1252.5	47.07	162
Kerry	860	582.2	1680	1137.4	51.19	142
Monaghan	285	464.3	621	1011.6	45.89	44
Wicklow	638	448.0	1548	1086.9	41.21	95
Galway	1,331	515.8	2736	1060.2	48.65	165
Wexford	653	436.1	1645	1098.7	39.70	100
Cavan	300	393.8	696	913.7	43.10	43
Longford	185	452.6	423	1034.9	43.74	24
Donegal	744	467.4	1604	1007.6	46.38	91
Sligo	238	363.2	617	941.5	38.57	31
Leitrim	152	474.3	311	970.5	48.87	17
Limerick	881	452.0	1798	922.5	49.00	146
Mayo	464	355.5	1097	840.6	42.30	60
Roscommon	232	359.4	560	867.6	41.43	28
Unknown/Other						
<b>Total</b>	<b>29,595</b>	<b>621.5</b>	<b>62598</b>	<b>1314.6</b>	<b>47.28</b>	<b>4294</b>



**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 01/12/2021 up to midnight on 14/12/2021**



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 01/12/2021 up to midnight on 14/12/2021, 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 01/12/2021 up to midnight on 14/12/2021, 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	3404	5.4	31	5.7	<5	-
5-12 yrs	12302	19.7	19	3.5	<5	-
13-18 yrs	3825	6.1	11	2.0	<5	-
19-24 yrs	5277	8.4	18	3.3	<5	-
25-34 yrs	9851	15.7	54	9.9	<5	-
35-44 yrs	12095	19.3	79	14.4	5	20.8
45-54 yrs	7988	12.8	69	12.6	<5	-
55-64 yrs	4966	7.9	85	15.5	6	25.0
65-74 yrs	2203	3.5	79	14.4	6	25.0
75-84 yrs	510	0.8	65	11.9	<5	-
85+ yrs	174	0.3	38	6.9	<5	-
Unknown	3	0.0	0	0.0	0	0.0
<b>Total</b>	<b>62598</b>	<b>100</b>	<b>548</b>	<b>100</b>	<b>24</b>	<b>100</b>

\* 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 01/12/2021 up to midnight on 14/12/2021**

Date	Number of confirmed cases
01/12/2021	4159
02/12/2021	5410
03/12/2021	5615
04/12/2021	5149
05/12/2021	2947
06/12/2021	5575
07/12/2021	4148
08/12/2021	4019
09/12/2021	4106
10/12/2021	4002
11/12/2021	4665
12/12/2021	4682
13/12/2021	3886
14/12/2021	4235
<b>Total</b>	<b>62,598</b>



## **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  $\geq 85$  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 (01/12/2021 to 14/12/2021)**

