



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

Report prepared by HPSC on 03/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 19/11/2021 up to midnight on 02/12/2021

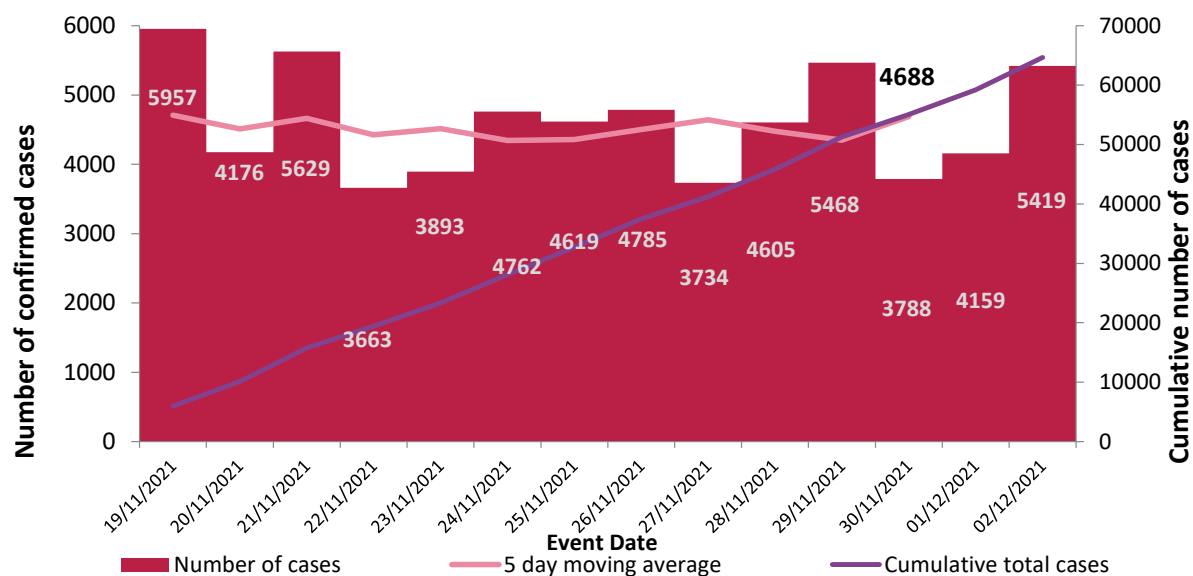
Data on the most likely source of transmission is no longer included in this report and will be reported on a weekly basis in the Weekly Report on the epidemiology of COVID-19 in Ireland

	Number	Percent
Total number of confirmed cases	64,657	
National incidence of confirmed cases per 100,000	1357.8	
Number of cases hospitalised*	532	0.82
Number of cases admitted to ICU*	34	0.05
Number of cases in healthcare workers	417	0.64
% where HCW is known	3.0	
Number of cases associated with clusters**	783	1.21
Males	32,074	49.6
Females	32,496	50.3
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 19/11/2021 up to midnight on 02/12/2021. 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.

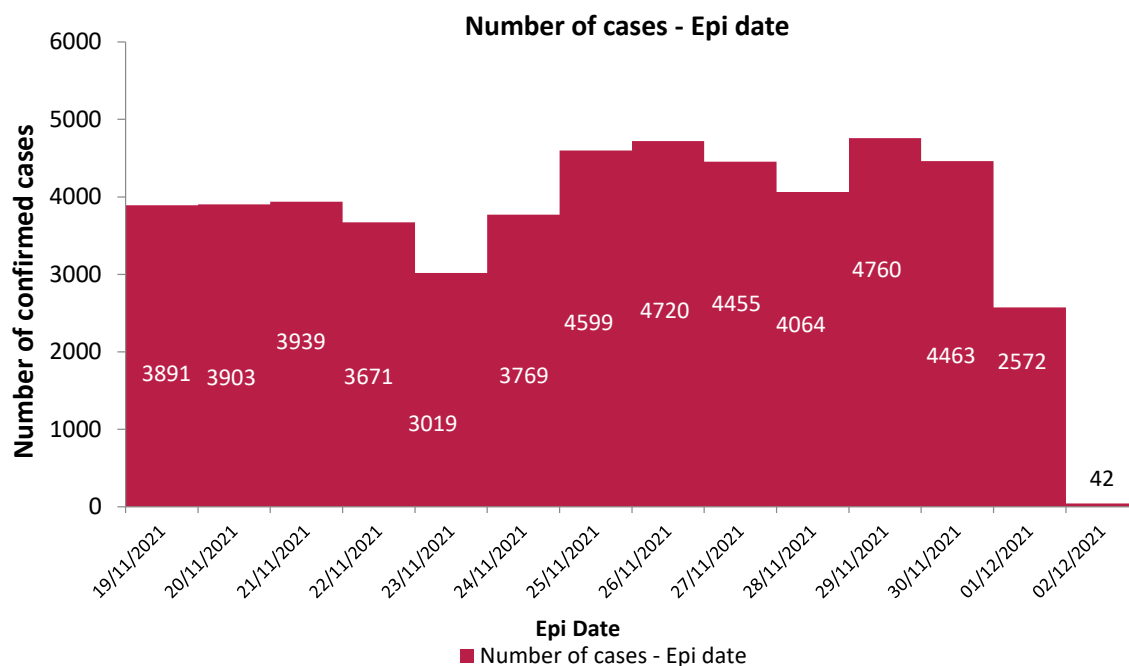
**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 03/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.**



**Figure 1a. Daily number\* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=64657)**

\*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.

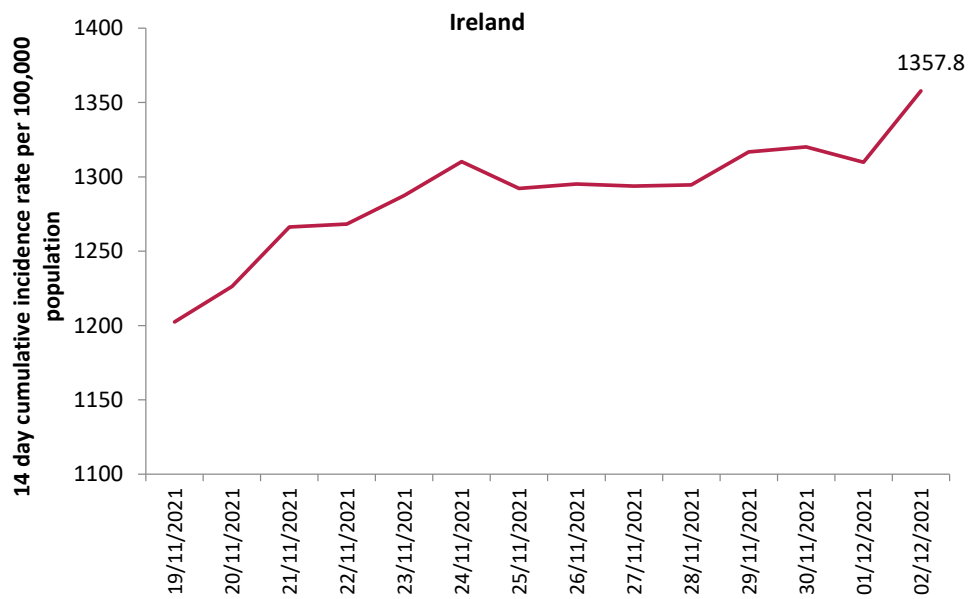
**Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 19/11/2021 up to midnight on 02/12/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		64,657	100
<b>Sex</b>	Male	32,074	49.6
	Female	32,496	50.3
	Unknown	87	0.1
<b>Age</b>	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0-101	
	0-4 yrs	3231	5.0
	5-12 yrs	13056	20.2
	13-18 yrs	3714	5.7
	19-24 yrs	5703	8.8
	25-34 yrs	9052	14.0
	35-44 yrs	11790	18.2
	45-54 yrs	8298	12.8
	55-64 yrs	5450	8.4
	65-74 yrs	3299	5.1
	75-84 yrs	865	1.3
	85+ yrs	181	0.3
	Unknown	18	
	Total	64,657	

**Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 19/11/2021 up to midnight on 02/12/2021**

Characteristic		Number of cases	Percent	Percent where known
<b>Total number of confirmed cases</b>		64,657	100	
<b>Symptom status at time of test*</b>	Yes	11866	18.4	99.9
	No	10	0.0	0.1
	Unknown	52,781	81.6	
	Total cases where known	11876		
<b>Healthcare worker</b>	Yes	417	0.6	3.0
	No	13364	20.7	97.0
	Unknown	50,876	78.7	
	Total cases where known	13781		

\*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.

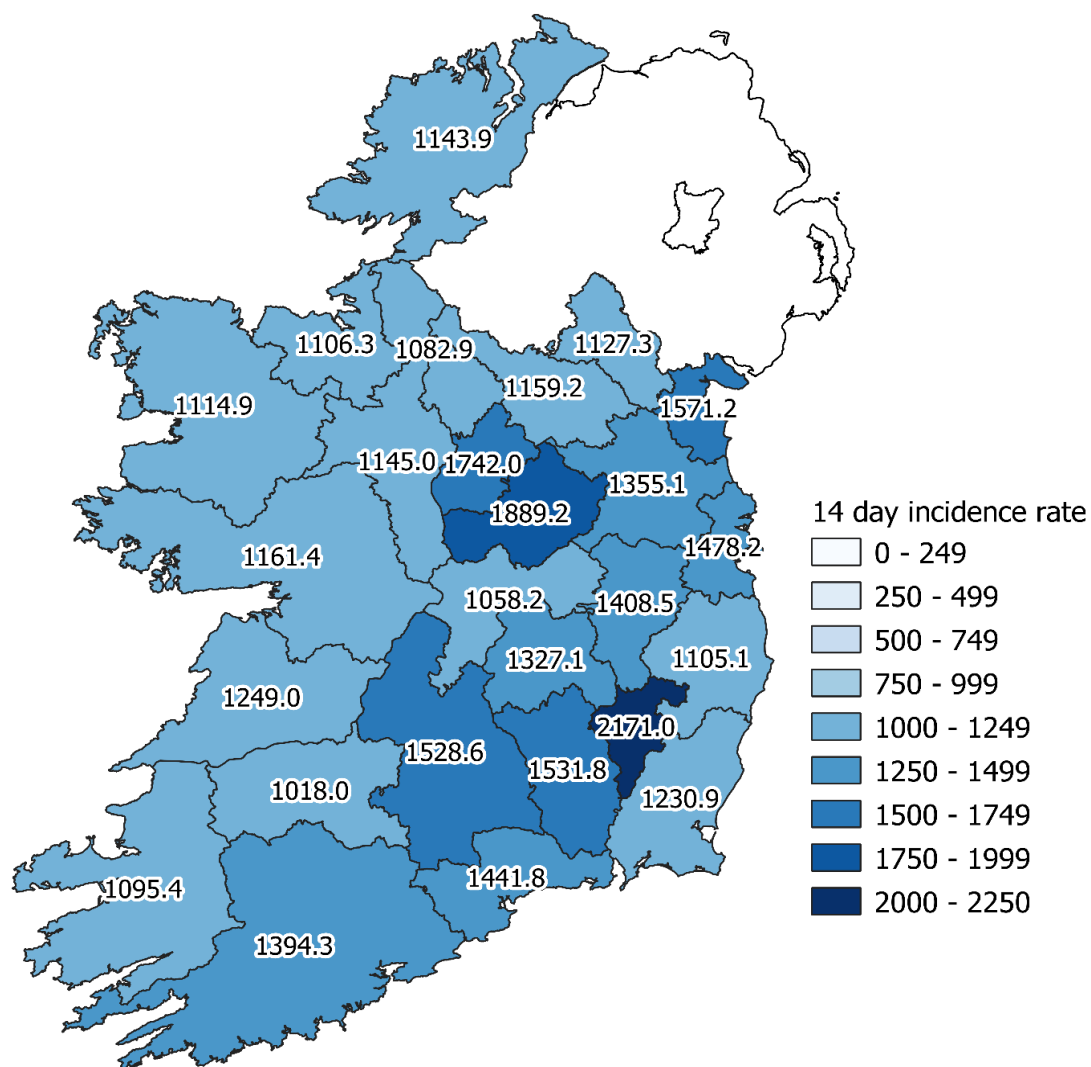


**Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 19/11/2021 up to midnight on 02/12/2021**

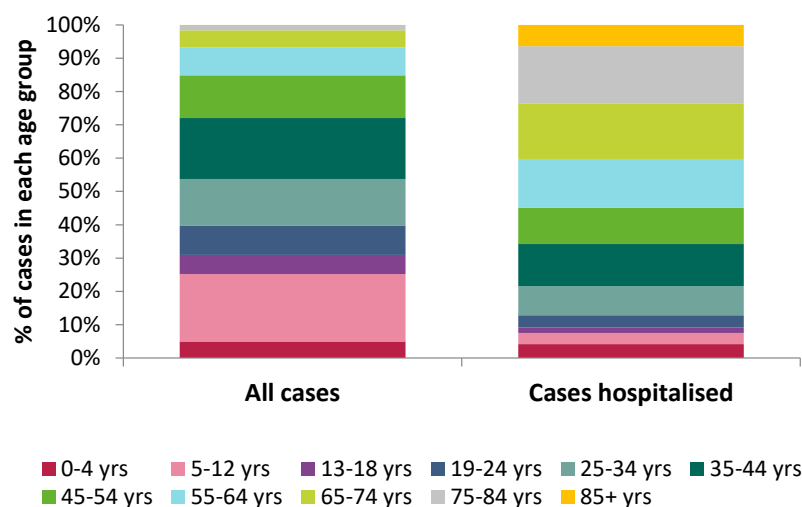
14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 19/11/2021 up to midnight on 02/12/2021, 7 day numbers are reported from 26/11/2021 up to midnight on 02/12/2021**

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 (28/11/2021 - 02/12/2021)
Carlow	677	1189.1	1236	2171.0	54.77	110
Westmeath	804	905.7	1677	1889.2	47.94	119
Longford	370	905.2	712	1742.0	51.97	51
Kildare	1,719	772.6	3134	1408.5	54.85	249
Tipperary	1,204	754.6	2439	1528.6	49.36	173
Laois	620	732.0	1124	1327.1	55.16	95
Dublin	9,690	719.2	19916	1478.2	48.65	1336
Kilkenny	698	703.4	1520	1531.8	45.92	107
Cork	3,803	700.5	7569	1394.3	50.24	558
Louth	897	696.0	2025	1571.2	44.30	141
Meath	1,343	688.6	2643	1355.1	50.81	213
Waterford	792	681.7	1675	1441.8	47.28	116
Clare	764	643.0	1484	1249.0	51.48	113
Wicklow	899	631.2	1574	1105.1	57.12	146
Galway	1,563	605.7	2997	1161.4	52.15	224
Roscommon	389	602.7	739	1145.0	52.64	65
Wexford	892	595.8	1843	1230.9	48.40	133
Offaly	447	573.4	825	1058.2	54.18	68
Monaghan	338	550.6	692	1127.3	48.84	57
Kerry	807	546.4	1618	1095.4	49.88	125
Sligo	334	509.7	725	1106.3	46.07	57
Mayo	664	508.8	1455	1114.9	45.64	92
Donegal	793	498.1	1821	1143.9	43.55	117
Cavan	375	492.3	883	1159.2	42.47	60
Leitrim	154	480.6	347	1082.9	44.38	26
Limerick	922	473.1	1984	1018.0	46.47	134
Unknown/Other						
<b>Total</b>	<b>31,958</b>	<b>671.1</b>	<b>64657</b>	<b>1357.8</b>	<b>49.43</b>	<b>4688</b>



**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 19/11/2021 up to midnight on 02/12/2021**



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 19/11/2021 up to midnight on 02/12/2021, 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 19/11/2021 up to midnight on 02/12/2021, 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	3231	5.0	22	4.1	0	0.0
5-12 yrs	13056	20.2	18	3.4	<5	-
13-18 yrs	3714	5.7	9	1.7	0	0.0
19-24 yrs	5703	8.8	19	3.6	0	0.0
25-34 yrs	9052	14.0	47	8.8	<5	-
35-44 yrs	11790	18.2	67	12.6	0	0.0
45-54 yrs	8298	12.8	58	10.9	6	17.6
55-64 yrs	5450	8.4	78	14.7	9	26.5
65-74 yrs	3299	5.1	89	16.7	10	29.4
75-84 yrs	865	1.3	91	17.1	<5	-
85+ yrs	181	0.3	34	6.4	<5	-
Unknown	18	0.0	0	0.0	0	0.0
<b>Total</b>	<b>64657</b>	<b>100</b>	<b>532</b>	<b>100</b>	<b>34</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 19/11/2021 up to midnight on 02/12/2021**

Date	Number of confirmed cases
19/11/2021	5957
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	3788
01/12/2021	4159
02/12/2021	5419
<b>Total</b>	<b>64,657</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 (19/11/2021 to 02/12/2021)**



