



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 07/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 23/11/2021 up to midnight on 06/12/2021

	Number	Percent
Total number of confirmed cases	64,528	
National incidence of confirmed cases per 100,000	1355.1	
Number of cases hospitalised*	525	0.81
Number of cases admitted to ICU*	22	0.03
Number of cases in healthcare workers	569	0.88
% where HCW is known	3.0	
Number of cases associated with clusters**	585	0.91
Males	31,792	49.3
Females	32,637	50.6
M:F ratio	0.97	
Median age (years)	31	
Mean age (years)	31	
Age range (years)	0-99	

* 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 23/11/2021 up to midnight on 06/12/2021. 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 07/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

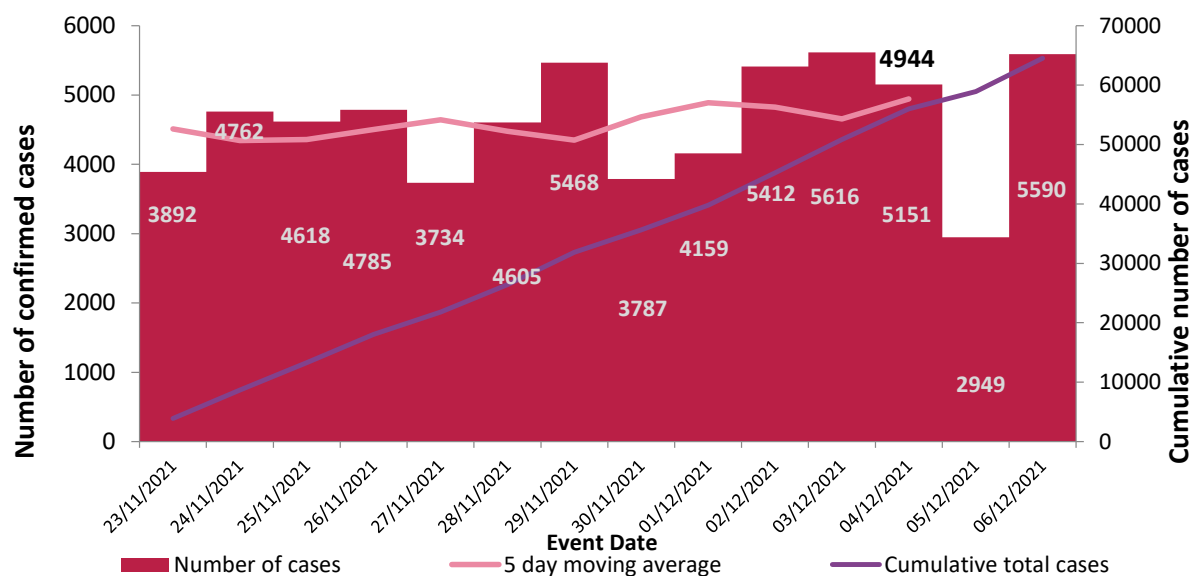


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=64528)

*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.

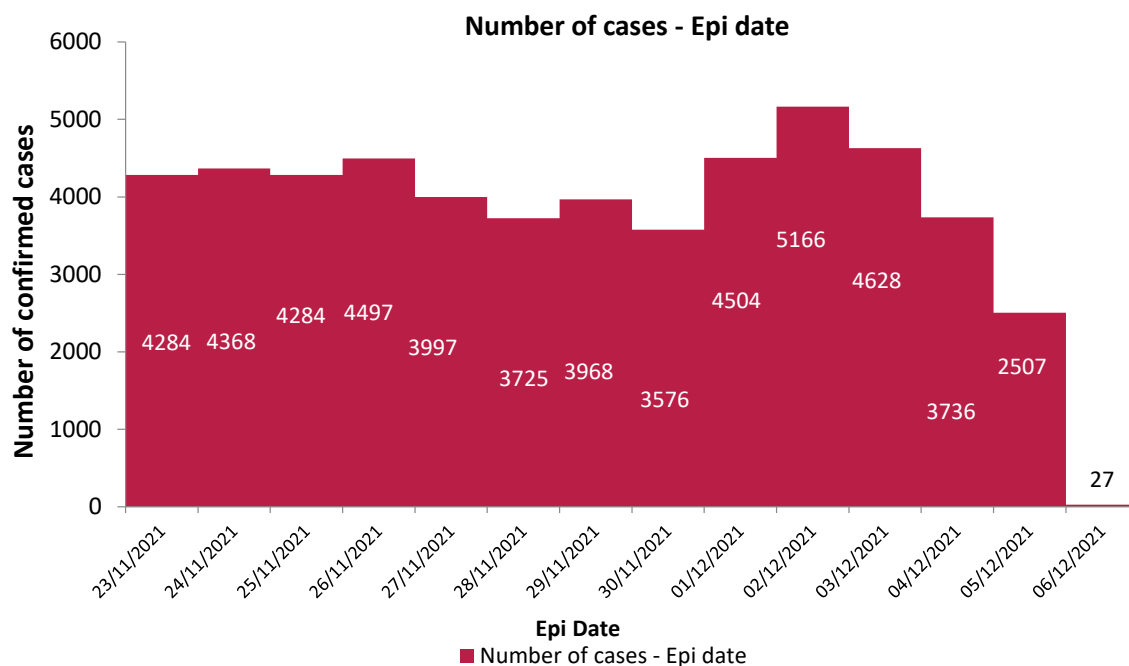


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 23/11/2021 up to midnight on 06/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		64,528	100
Sex	Male	31,792	49.3
	Female	32,637	50.6
	Unknown	99	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-99	
	0-4 yrs	3373	5.2
	5-12 yrs	13483	20.9
	13-18 yrs	3842	6.0
	19-24 yrs	5514	8.5
	25-34 yrs	9019	14.0
	35-44 yrs	11973	18.6
	45-54 yrs	8241	12.8
	55-64 yrs	5286	8.2
	65-74 yrs	2886	4.5
	75-84 yrs	727	1.1
	85+ yrs	169	0.3
	Unknown	15	
	Total	64,528	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 23/11/2021 up to midnight on 06/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		64,528	100	
Symptom status at time of test*	Yes	16537	25.6	100.0
	No	5	0.0	0.0
	Unknown	47,986	74.4	
	Total cases where known	16542		
Healthcare worker	Yes	569	0.9	3.0
	No	18627	28.9	97.0
	Unknown	45,332	70.3	
	Total cases where known	19196		

*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.

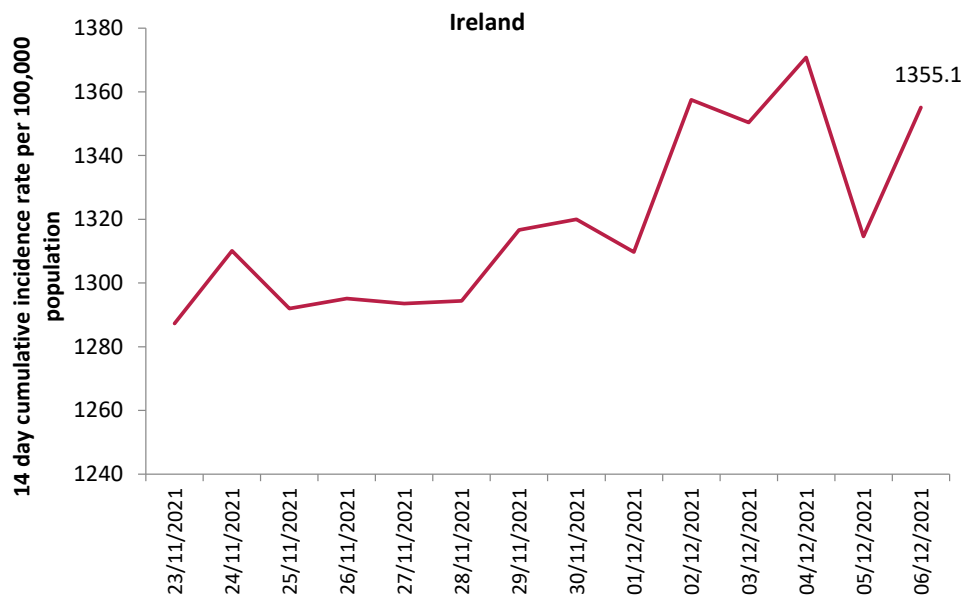


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 23/11/2021 up to midnight on 06/12/2021

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 23/11/2021 up to midnight on 06/12/2021, 7 day numbers are reported from 30/11/2021 up to midnight on 06/12/2021

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 (02/12/2021 - 06/12/2021)
Carlow	724	1271.7	1324	2325.6	54.68	106
Westmeath	926	1043.1	1721	1938.7	53.81	140
Laois	709	837.1	1208	1426.3	58.69	102
Tipperary	1,296	812.3	2557	1602.6	50.68	188
Kildare	1,748	785.6	3305	1485.4	52.89	238
Waterford	899	773.8	1708	1470.2	52.63	132
Kilkenny	746	751.8	1461	1472.3	51.06	108
Louth	964	748.0	1966	1525.4	49.03	167
Offaly	563	722.2	910	1167.3	61.87	87
Dublin	9,699	719.9	20065	1489.2	48.34	1476
Longford	293	716.9	642	1570.7	45.64	39
Cork	3,853	709.7	7431	1368.8	51.85	617
Clare	783	659.0	1517	1276.8	51.62	126
Wexford	956	638.5	1876	1253.0	50.96	138
Meath	1,217	624.0	2564	1314.6	47.46	176
Wicklow	867	608.7	1676	1176.8	51.73	123
Donegal	954	599.3	1753	1101.2	54.42	142
Sligo	376	573.7	723	1103.2	52.01	64
Kerry	845	572.1	1559	1055.5	54.20	125
Galway	1,457	564.6	2911	1128.0	50.05	214
Monaghan	339	552.2	657	1070.3	51.60	56
Cavan	398	522.5	801	1051.5	49.69	60
Roscommon	325	503.5	664	1028.8	48.95	52
Leitrim	159	496.2	300	936.2	53.00	23
Limerick	941	482.8	1935	992.8	48.63	151
Mayo	627	480.4	1294	991.5	48.45	91
Unknown/Other						
Total	32,664	685.9	64528	1355.1	50.62	4944

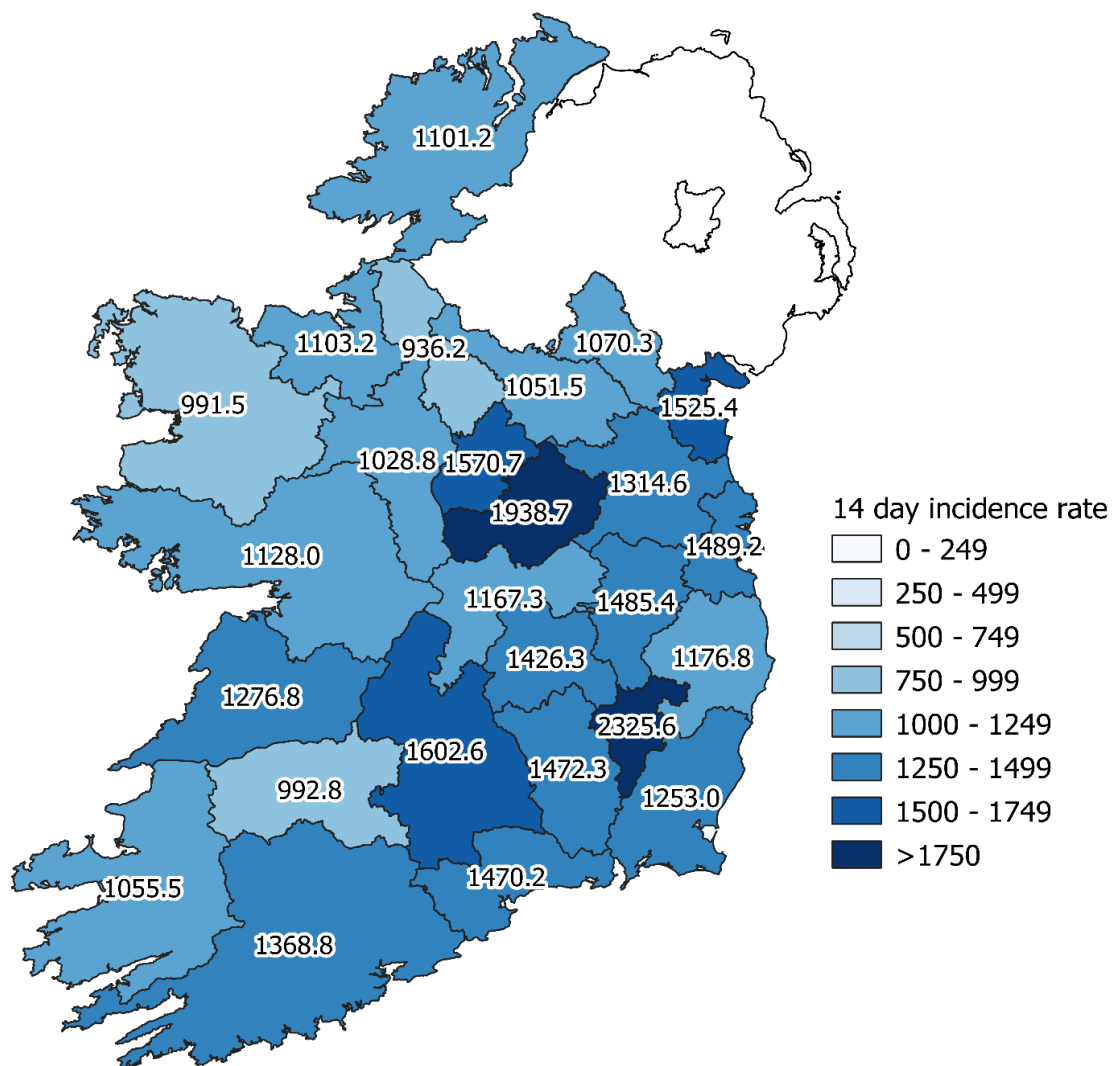


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 23/11/2021 up to midnight on 06/12/2021

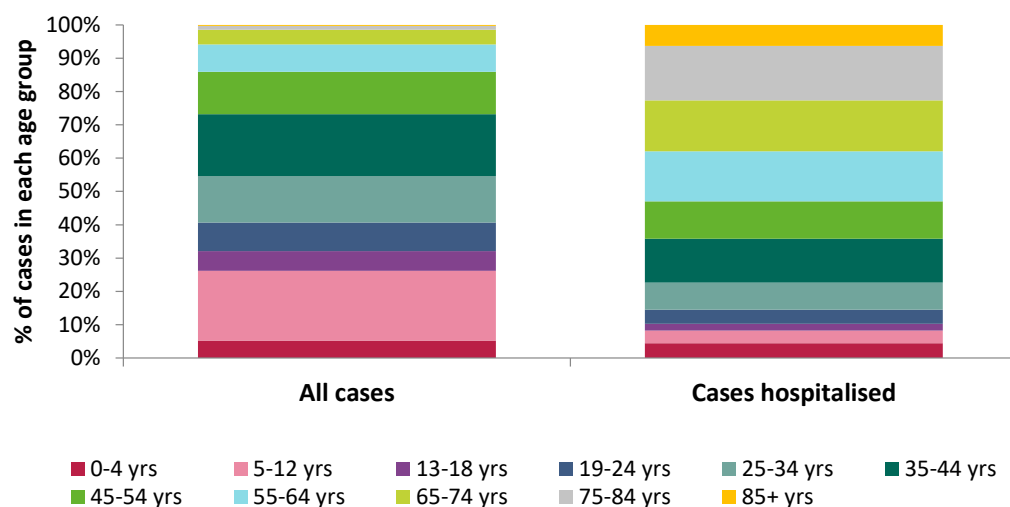


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 23/11/2021 up to midnight on 06/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 23/11/2021 up to midnight on 06/12/2021, 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	3373	5.2	23	4.4	0	0.0
5-12 yrs	13483	20.9	20	3.8	<5	-
13-18 yrs	3842	6.0	11	2.1	0	0.0
19-24 yrs	5514	8.5	22	4.2	0	0.0
25-34 yrs	9019	14.0	43	8.2	<5	-
35-44 yrs	11973	18.6	69	13.1	<5	-
45-54 yrs	8241	12.8	59	11.2	<5	-
55-64 yrs	5286	8.2	79	15.0	5	22.7
65-74 yrs	2886	4.5	80	15.2	5	22.7
75-84 yrs	727	1.1	86	16.4	<5	-
85+ yrs	169	0.3	33	6.3	0	0.0
Unknown	15	0.0	0	0.0	0	0.0
Total	64528	100	525	100	22	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 23/11/2021 up to midnight on 06/12/2021

Date	Number of confirmed cases
23/11/2021	3892
24/11/2021	4762
25/11/2021	4618
26/11/2021	4785
27/11/2021	3734
28/11/2021	4605
29/11/2021	5468
30/11/2021	3787
01/12/2021	4159
02/12/2021	5412
03/12/2021	5616
04/12/2021	5151
05/12/2021	2949
06/12/2021	5590
Total	64,528

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 (23/11/2021 to 06/12/2021)

