



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 14/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 30/11/2021 up to midnight on 13/12/2021

	Number	Percent
Total number of confirmed cases	62,148	
National incidence of confirmed cases per 100,000	1305.1	
Number of cases hospitalised*	536	0.86
Number of cases admitted to ICU*	23	0.04
Number of cases in healthcare workers	373	0.60
% where HCW is known	2.9	
Number of cases associated with clusters**	638	1.03
Males	30,695	49.4
Females	31,312	50.4
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 30/11/2021 up to midnight on 13/12/2021. 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 14/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

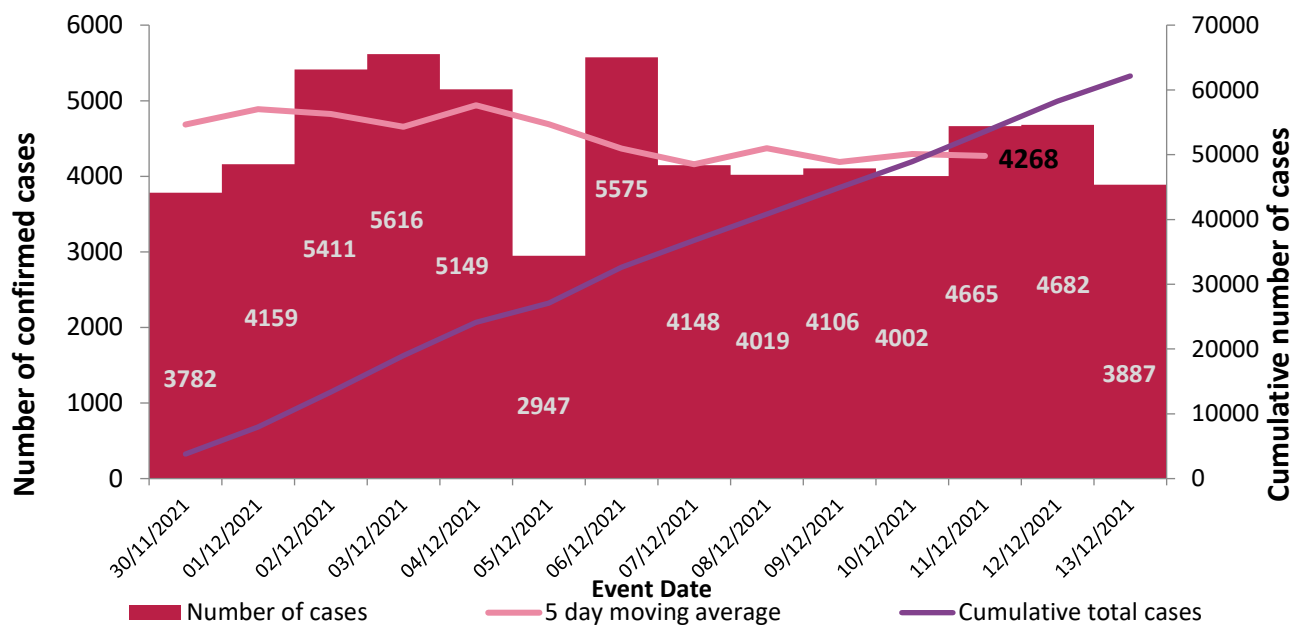


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=62148)

*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/) (<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.

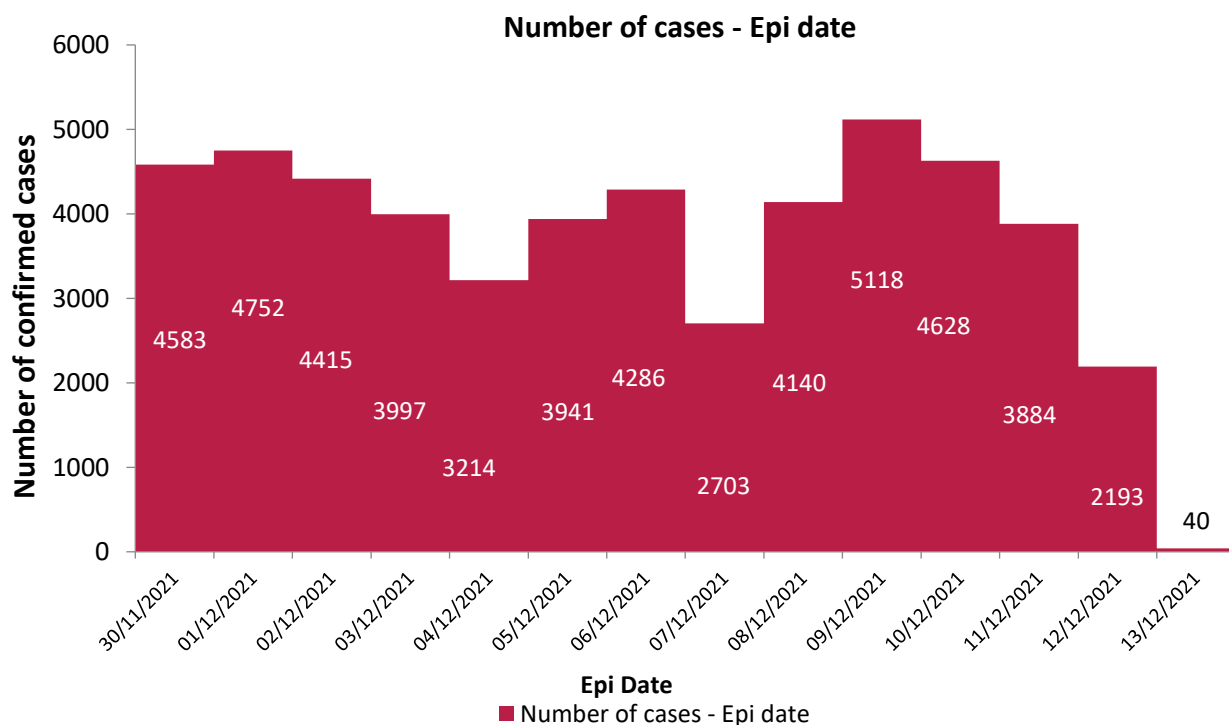


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 30/11/2021 up to midnight on 13/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		62,148	100
Sex	Male	30,695	49.4
	Female	31,312	50.4
	Unknown	141	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3387	5.4
	5-12 yrs	12466	20.1
	13-18 yrs	3748	6.0
	19-24 yrs	5150	8.3
	25-34 yrs	9607	15.5
	35-44 yrs	11966	19.3
	45-54 yrs	7950	12.8
	55-64 yrs	4936	7.9
	65-74 yrs	2247	3.6
	75-84 yrs	514	0.8
	85+ yrs	173	0.3
	Unknown	4	
	Total	62,148	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 30/11/2021 up to midnight on 13/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		62,148	100	
Symptom status at time of test*	Yes	10944	17.6	99.9
	No	11	0.0	0.1
	Unknown	51,193	82.4	
	Total cases where known	10955		
Healthcare worker	Yes	373	0.6	2.9
	No	12490	20.1	97.1
	Unknown	49,285	79.3	
	Total cases where known	12863		

*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.

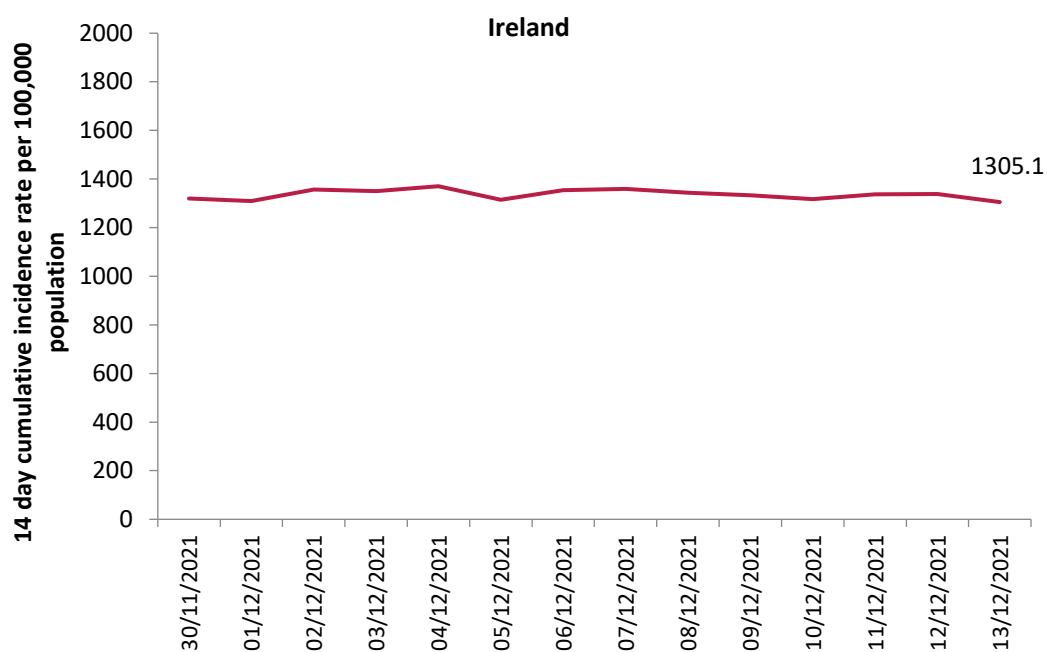


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 30/11/2021 up to midnight on 13/12/2021

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 30/11/2021 up to midnight on 13/12/2021, 7 day numbers are reported from 07/12/2021 up to midnight on 13/12/2021

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 (09/12/2021 - 13/12/2021)
Westmeath	741	834.7	1516	1707.8	48.88	101
Carlow	446	783.4	1169	2053.3	38.15	56
Dublin	10,186	756.0	19933	1479.4	51.10	1452
Kilkenny	699	704.4	1447	1458.2	48.31	99
Kildare	1,559	700.7	3424	1538.8	45.53	212
Laois	577	681.3	1262	1490.0	45.72	78
Louth	858	665.7	1785	1385.0	48.07	134
Waterford	769	661.9	1691	1455.6	45.48	97
Cork	3,459	637.2	7341	1352.3	47.12	563
Tipperary	991	621.1	2300	1441.5	43.09	146
Meath	1,162	595.8	2452	1257.2	47.39	172
Offaly	450	577.2	969	1242.9	46.44	62
Kerry	820	555.2	1655	1120.5	49.55	137
Clare	607	510.9	1331	1120.2	45.60	95
Galway	1,280	496.0	2745	1063.7	46.63	176
Wicklow	690	484.5	1562	1096.7	44.17	86
Wexford	718	479.6	1674	1118.1	42.89	99
Longford	190	464.9	448	1096.1	42.41	26
Donegal	732	459.8	1685	1058.5	43.44	102
Monaghan	277	451.2	612	997.0	45.26	42
Limerick	872	447.4	1780	913.3	48.99	141
Leitrim	143	446.3	305	951.8	46.89	17
Cavan	322	422.7	719	943.9	44.78	45
Sligo	264	402.8	638	973.5	41.38	35
Mayo	470	360.1	1123	860.5	41.85	64
Roscommon	227	351.7	582	901.7	39.00	31
Unknown/Other						
Total	29,509	619.7	62148	1305.1	47.48	4268

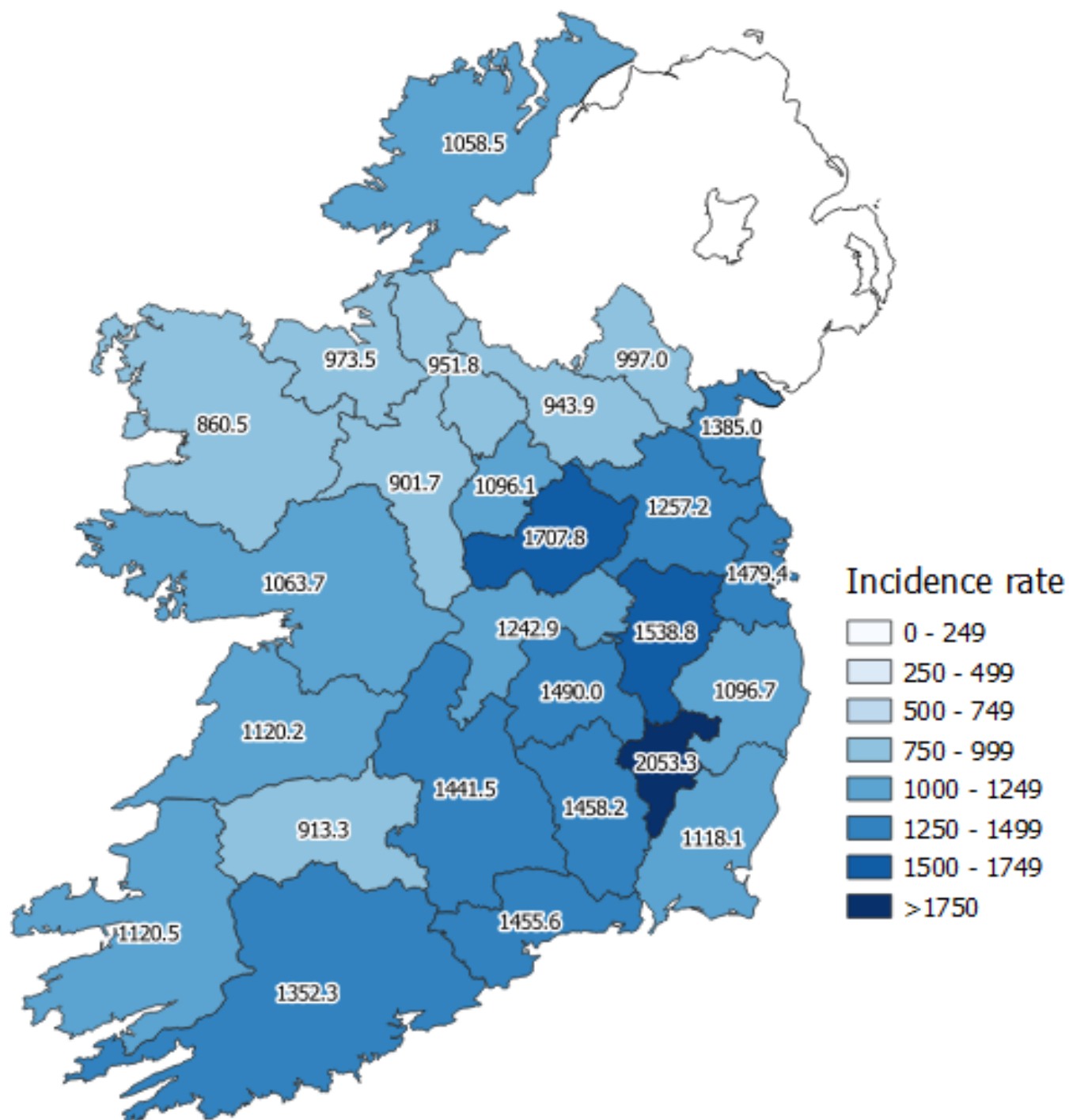


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 30/11/2021 up to midnight on 13/12/2021

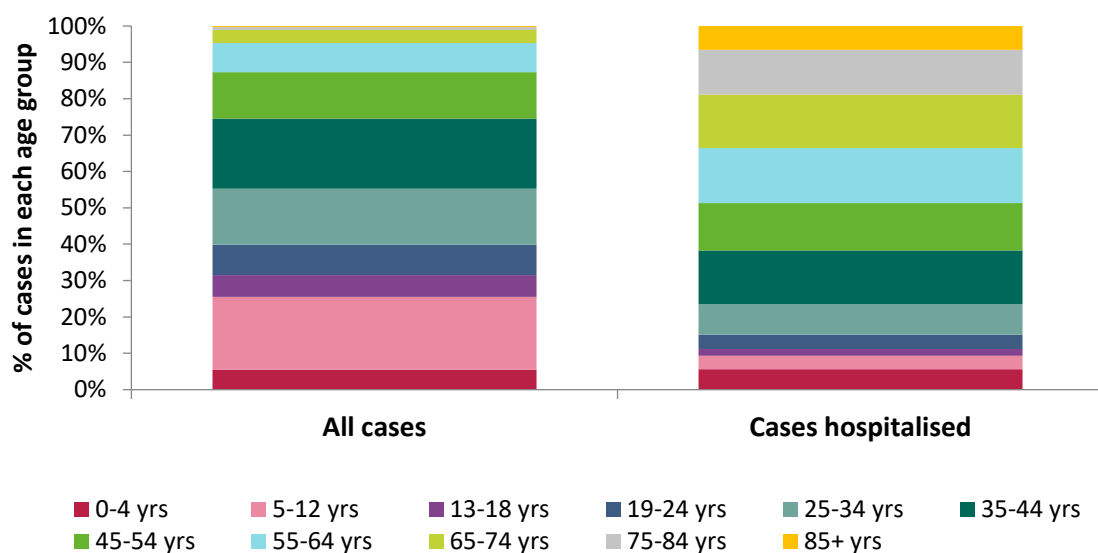


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 30/11/2021 up to midnight on 13/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 30/11/2021 up to midnight on 13/12/2021, 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	3387	5.4	30	5.6	0	0.0
5-12 yrs	12466	20.1	20	3.7	0	0.0
13-18 yrs	3748	6.0	10	1.9	0	0.0
19-24 yrs	5150	8.3	21	3.9	0	0.0
25-34 yrs	9607	15.5	45	8.4	<5	-
35-44 yrs	11966	19.3	79	14.7	5	21.7
45-54 yrs	7950	12.8	70	13.1	<5	-
55-64 yrs	4936	7.9	81	15.1	6	26.1
65-74 yrs	2247	3.6	79	14.7	7	30.4
75-84 yrs	514	0.8	66	12.3	<5	-
85+ yrs	173	0.3	35	6.5	0	0.0
Unknown	4	0.0	0	0.0	0	0.0
Total	62148	100	536	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 30/11/2021 up to midnight on 13/12/2021

Date	Number of confirmed cases
30/11/2021	3782
01/12/2021	4159
02/12/2021	5411
03/12/2021	5616
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	3887
Total	62,148

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 (30/11/2021 to 13/12/2021)



