



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 29/10/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 15/10/2021 up to midnight on 28/10/2021

	Number	Percent
Total number of confirmed cases	29,121	
National incidence of confirmed cases per 100,000	611.5	
Number of cases hospitalised*	475	1.63
Number of cases admitted to ICU*	31	0.11
Number of cases in healthcare workers	843	2.89
% where HCW is known	4.8	
Number of cases associated with clusters**	1075	3.69
Males	14,314	49.2
Females	14,757	50.7
M:F ratio	0.97	
Median age (years)	37	
Mean age (years)	37	
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 15/10/2021 up to midnight on 28/10/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 29/10/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

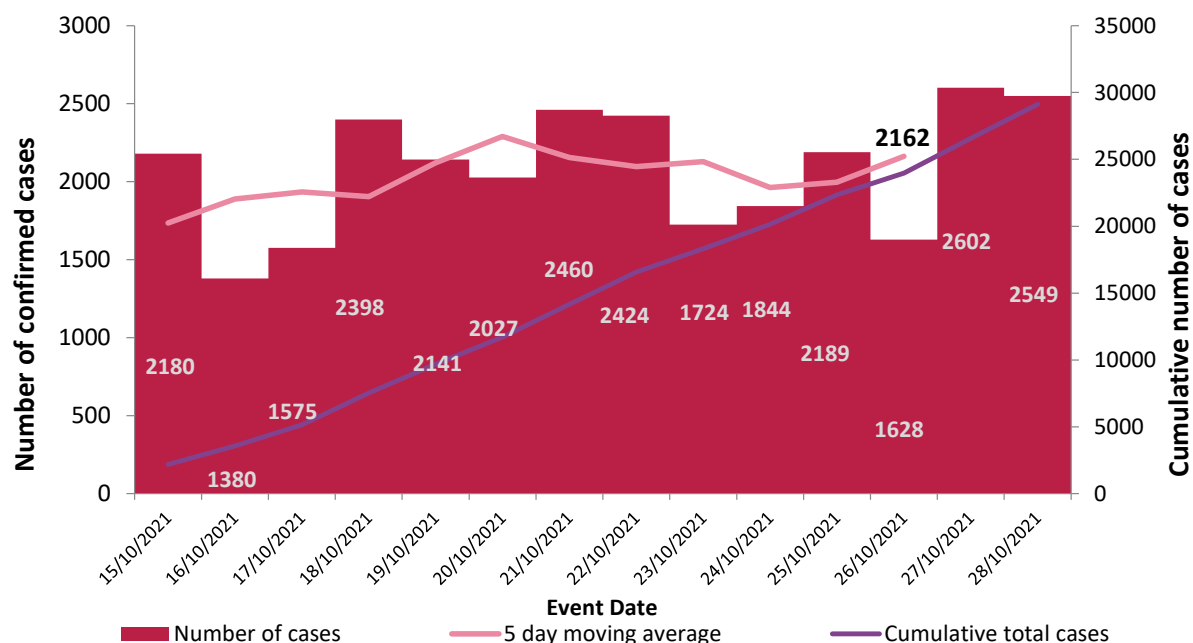


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=29121)

*Notifications of COVID-19 cases on CIDR may not correspond to the date of laboratory diagnosis. Notifications may be reduced at weekends. Cases diagnosed at weekends may be reflected in notifications early the following week

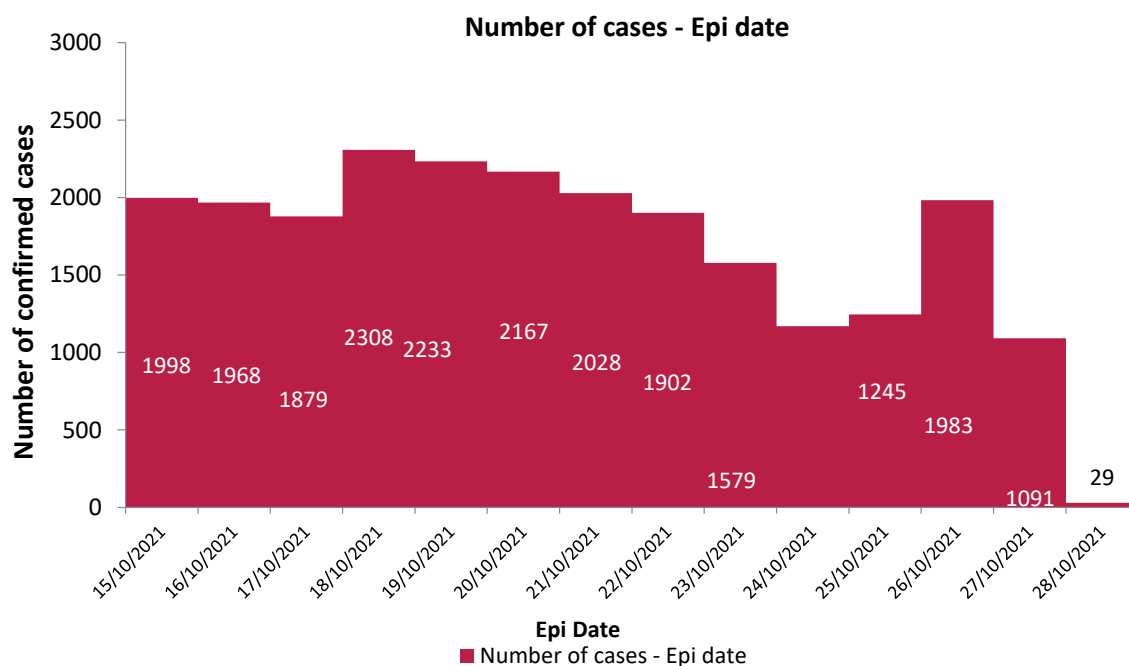


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 15/10/2021 up to midnight on 28/10/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		29,121	100
Sex	Male	14,314	49.2
	Female	14,757	50.7
	Unknown	50	0.2
Age	Median age (years)	37	
	Mean age (years)	37	
	Age range (years)	0-101	
	0-4 yrs	1402	4.8
	5-12 yrs	4611	15.8
	13-18 yrs	1427	4.9
	19-24 yrs	2318	8.0
	25-34 yrs	3807	13.1
	35-44 yrs	5041	17.3
	45-54 yrs	3825	13.1
	55-64 yrs	3112	10.7
	65-74 yrs	2309	7.9
	75-84 yrs	962	3.3
	85+ yrs	305	1.0
	Unknown	2	
	Total	29,121	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 15/10/2021 up to midnight on 28/10/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		29,121	100	
Symptom status at time of test*	Yes	14932	51.3	85.8
	No	2475	8.5	14.2
	Unknown	11,714	40.2	
	Total cases where known	17407		
Healthcare worker	Yes	843	2.9	4.8
	No	16696	57.3	95.2
	Unknown	11,582	39.8	
	Total cases where known	17539		

*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.

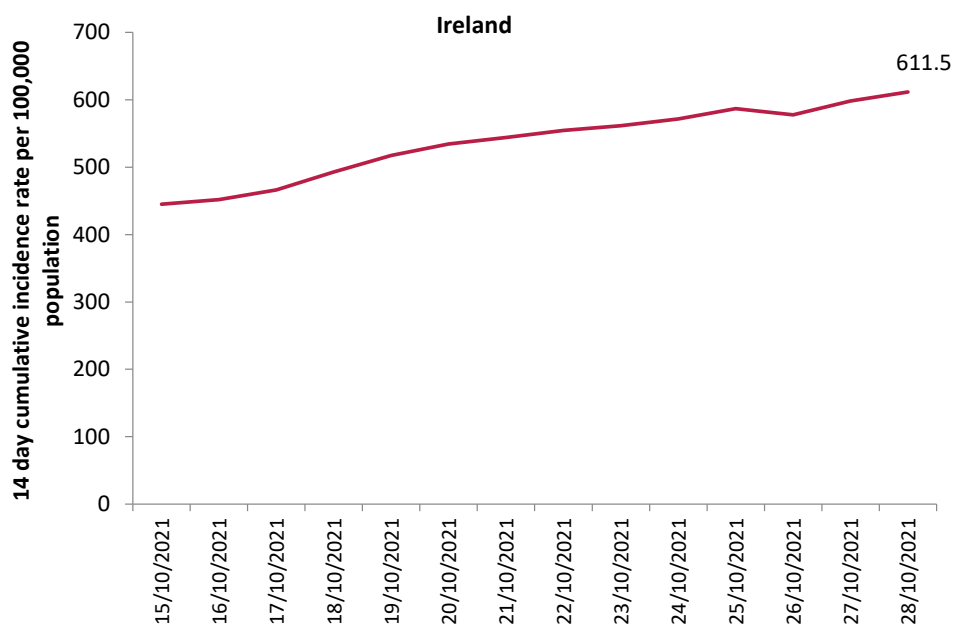


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 15/10/2021 up to midnight on 28/10/2021

*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 15/10/2021 up to midnight on 28/10/2021, 7 day numbers are reported from 22/10/2021 up to midnight on 28/10/2021

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 (24/10/2021 - 28/10/2021)
Carlow	336	590.2	628	1103.1	53.50	39
Waterford	651	560.4	1384	1191.3	47.04	94
Longford	210	513.8	470	1149.9	44.68	31
Kerry	701	474.6	1436	972.2	48.82	90
Louth	509	394.9	923	716.1	55.15	70
Limerick	763	391.5	1390	713.2	54.89	108
Leitrim	120	374.5	223	695.9	53.81	18
Clare	441	371.2	867	729.7	50.87	62
Laois	304	358.9	649	766.3	46.84	43
Donegal	520	326.6	1008	633.2	51.59	71
Meath	597	306.1	1217	624.0	49.06	84
Dublin	4,077	302.6	7745	574.8	52.64	608
Cork	1,638	301.7	3059	563.5	53.55	236
Westmeath	246	277.1	582	655.6	42.27	38
Galway	707	274.0	1332	516.2	53.08	97
Wicklow	385	270.3	717	503.4	53.70	63
Wexford	403	269.2	699	466.9	57.65	63
Cavan	205	269.1	456	598.6	44.96	33
Sligo	175	267.0	317	483.7	55.21	26
Kildare	587	263.8	1109	498.4	52.93	89
Tipperary	407	255.1	822	515.2	49.51	58
Kilkenny	253	255.0	530	534.1	47.74	38
Offaly	185	237.3	396	507.9	46.72	27
Roscommon	140	216.9	346	536.1	40.46	20
Mayo	274	210.0	509	390.0	53.83	38
Monaghan	126	205.3	307	500.1	41.04	20
Unknown/Other						
Total	14,960	314.2	29121	611.5	51.37	2162

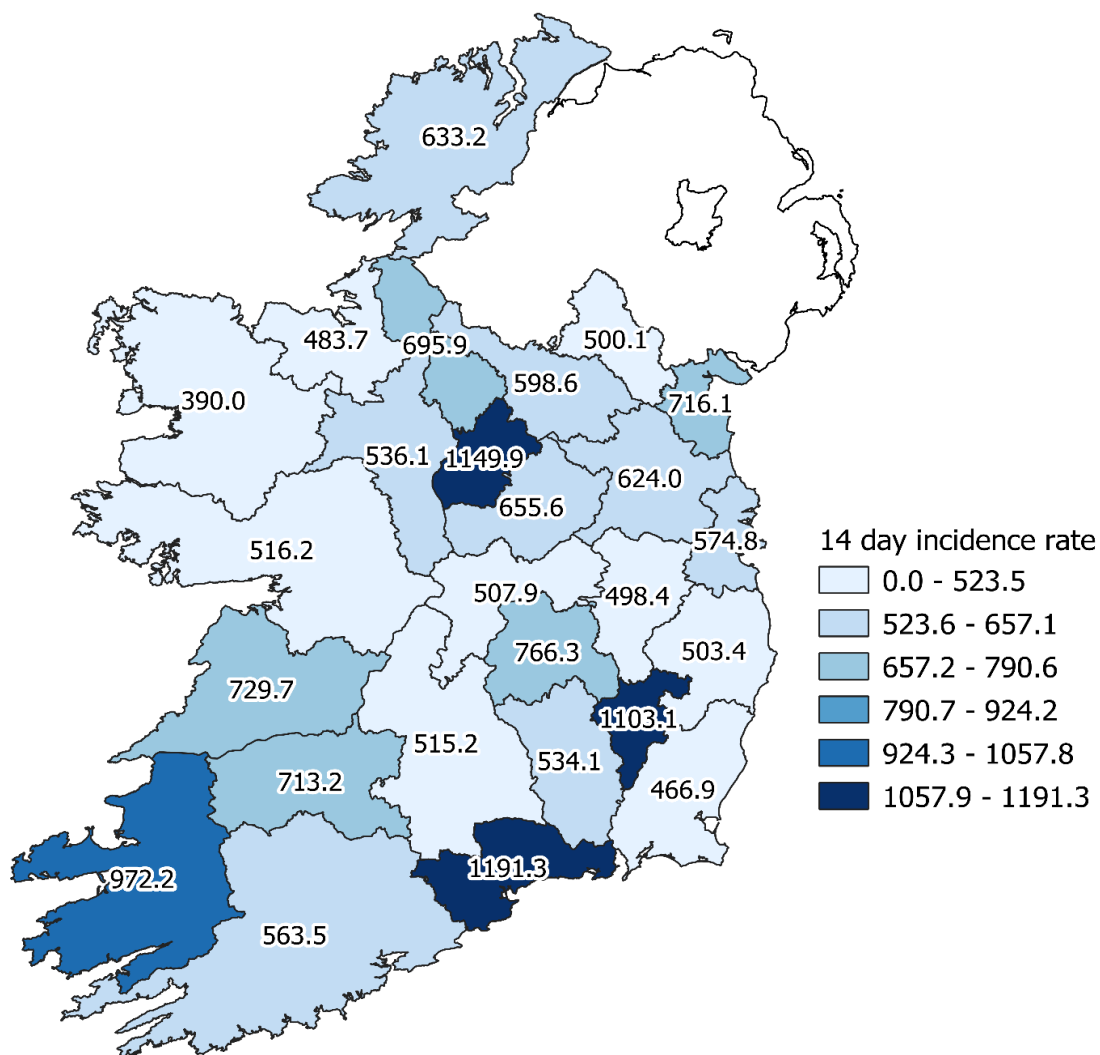


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 15/10/2021 up to midnight on 28/10/2021

Please do not directly compare county shades to previous maps. The categories listed will change as the number of cases change, which may result in changes to the map shading.

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 15/10/2021 up to midnight on 28/10/2021, by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	485	1.7
Close contact with a known confirmed case	8494	29.2
Healthcare setting acquired: patient	122	0.4
Healthcare setting acquired: staff	150	0.5
Community transmission	7202	24.7
Under investigation	12,668	43.5
Total cases with known most likely transmission source	16453	
Total	29,121	

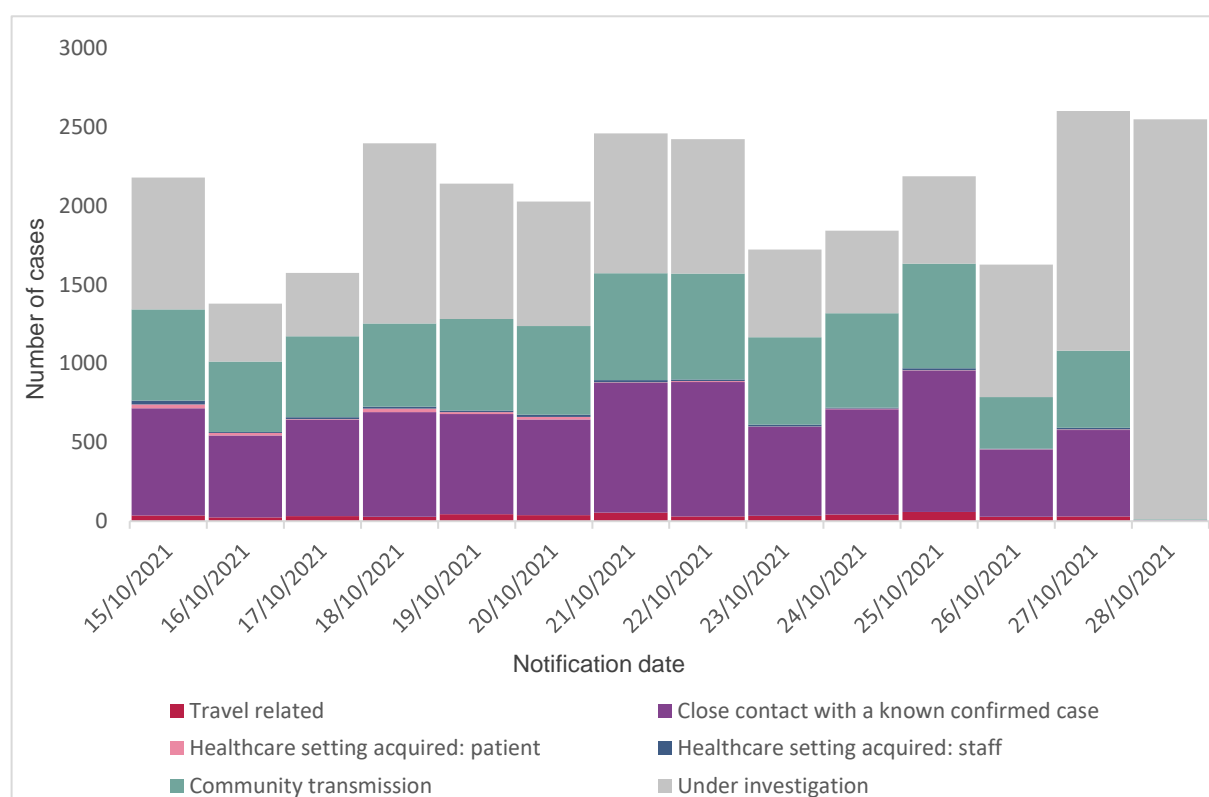


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 15/10/2021 up to midnight on 28/10/2021

*Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases

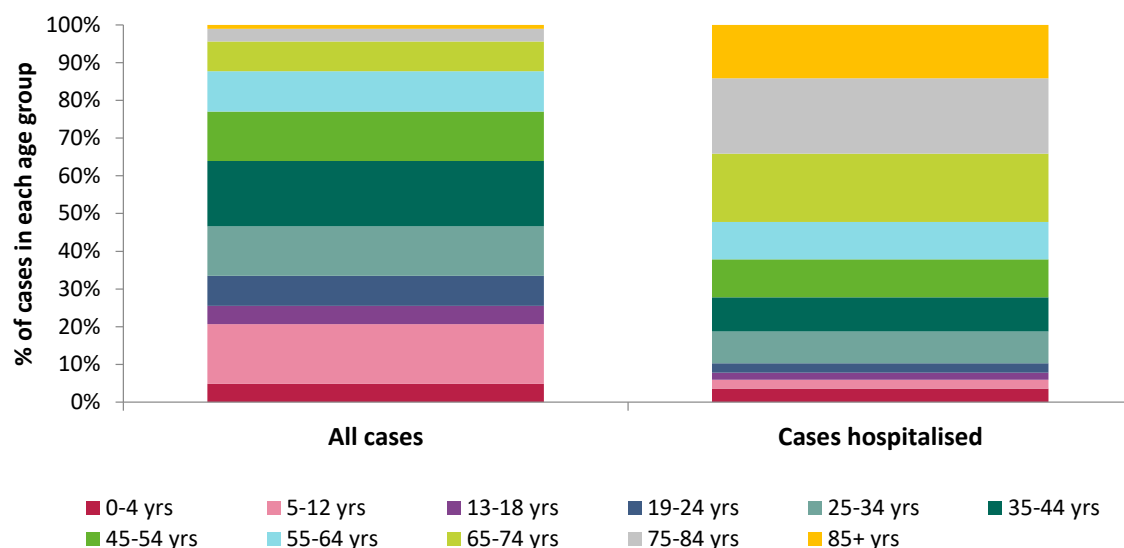


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 15/10/2021 up to midnight on 28/10/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 15/10/2021 up to midnight on 28/10/2021, 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	1402	4.8	17	3.6	0	0.0
5-12 yrs	4611	15.8	11	2.3	0	0.0
13-18 yrs	1427	4.9	9	1.9	0	0.0
19-24 yrs	2318	8.0	12	2.5	0	0.0
25-34 yrs	3807	13.1	40	8.4	<5	-
35-44 yrs	5041	17.3	43	9.1	<5	-
45-54 yrs	3825	13.1	48	10.1	<5	-
55-64 yrs	3112	10.7	47	9.9	6	19.4
65-74 yrs	2309	7.9	86	18.1	12	38.7
75-84 yrs	962	3.3	95	20.0	<5	-
85+ yrs	305	1.0	67	14.1	<5	-
Unknown	2	0.0	0	0.0	0	0.0
Total	29121	100	475	100	31	100

* 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 6: Daily number of confirmed COVID-19 cases notified in Ireland from 15/10/2021 up to midnight on 28/10/2021

Date	Number of confirmed cases
15/10/2021	2180
16/10/2021	1380
17/10/2021	1575
18/10/2021	2398
19/10/2021	2141
20/10/2021	2027
21/10/2021	2460
22/10/2021	2424
23/10/2021	1724
24/10/2021	1844
25/10/2021	2189
26/10/2021	1628
27/10/2021	2602
28/10/2021	2549
Total	29,121

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 (15/10/2021 to 28/10/2021)

