



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 05/11/2021

A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications reported on CIDR on the 2/11/2021 and an artificially high number on subsequent days. Given the impact on CIDR notifications for these days, the daily case number announced since the 3/11/2021 has been based on SARS CoV-2 results uploaded to the COVID Care Tracker the preceding day. These data were provisional and do not represent notified cases. Reporting of daily case numbers from CIDR will resume shortly. Data in this report are based on CIDR notifications.

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/10/2021 up to midnight on 04/11/2021

	Number	Percent
Total number of confirmed cases	36,589	
National incidence of confirmed cases per 100,000	768.4	
Number of cases hospitalised*	511	1.40
Number of cases admitted to ICU*	30	0.08
Number of cases in healthcare workers	924	2.53
% where HCW is known	4.8	
Number of cases associated with clusters**	758	2.07
Males	17,867	48.8
Females	18,646	51.0
M:F ratio	0.96	
Median age (years)	36	
Mean age (years)	36	
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 22/10/2021 up to midnight on 04/11/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 05/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

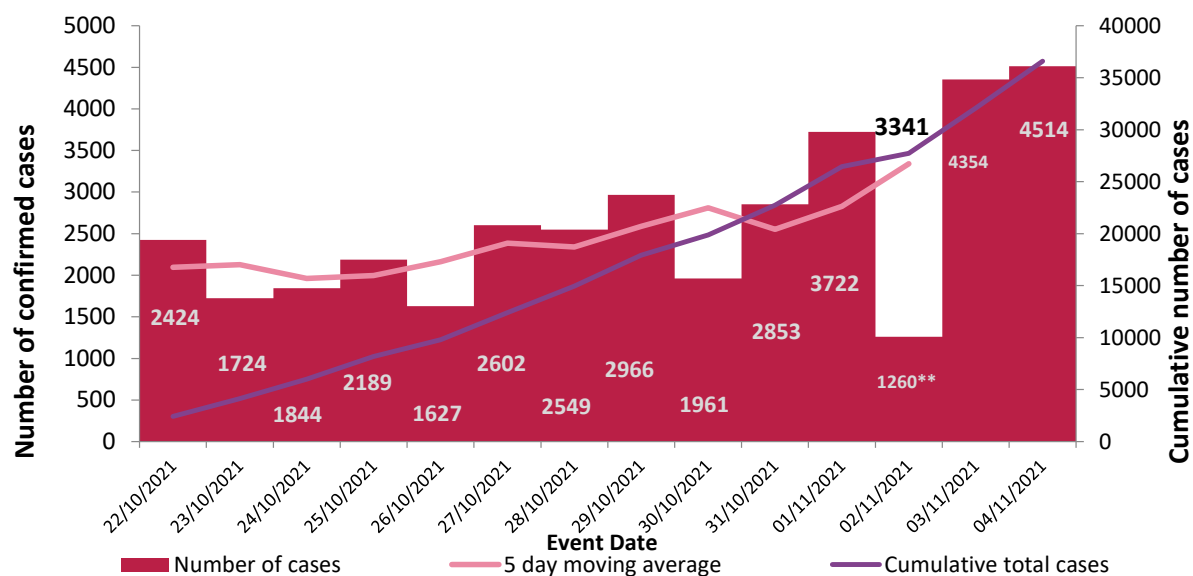


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=36589)

*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

** A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications on the 2/11/2021 and an artificially high number on subsequent days.

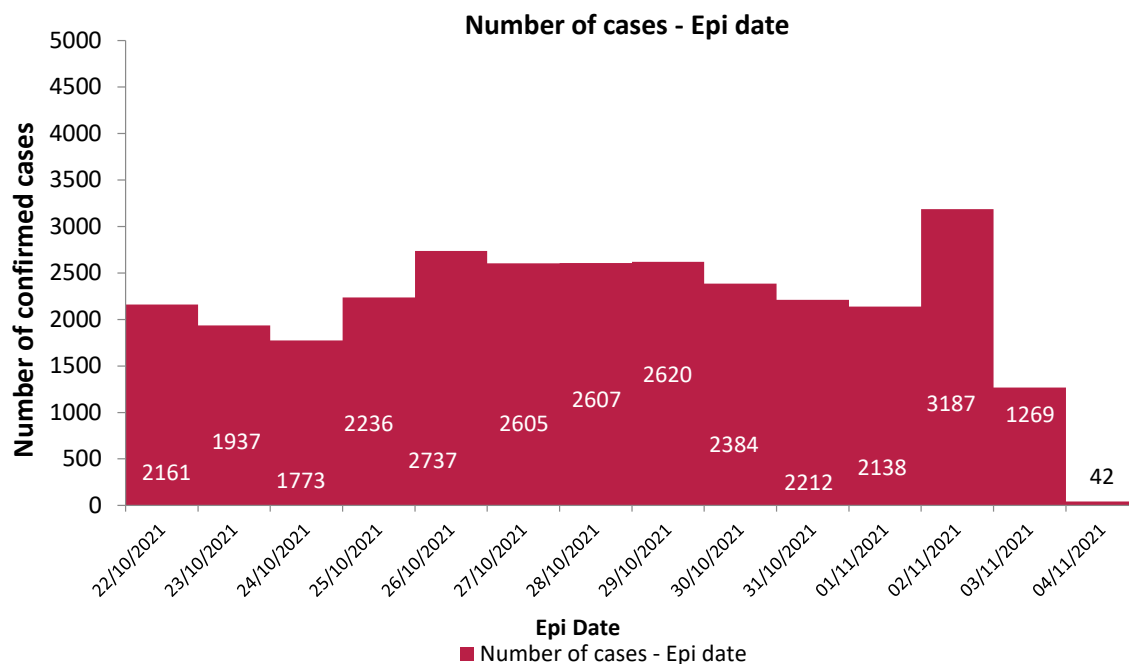


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 22/10/2021 up to midnight on 04/11/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		36,589	100
Sex	Male	17,867	48.8
	Female	18,646	51.0
	Unknown	76	0.2
Age	Median age (years)	36	
	Mean age (years)	36	
	Age range (years)	0-101	
	0-4 yrs	1543	4.2
	5-12 yrs	5321	14.5
	13-18 yrs	2085	5.7
	19-24 yrs	3359	9.2
	25-34 yrs	5275	14.4
	35-44 yrs	6527	17.8
	45-54 yrs	4883	13.3
	55-64 yrs	3726	10.2
	65-74 yrs	2697	7.4
	75-84 yrs	940	2.6
	85+ yrs	230	0.6
	Unknown	3	
	Total	36,589	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 22/10/2021 up to midnight on 04/11/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		36,589	100	
Symptom status at time of test*	Yes	16703	45.7	86.6
	No	2584	7.1	13.4
	Unknown	17,302	47.3	
	Total cases where known	19287		
Healthcare worker	Yes	924	2.5	4.8
	No	18501	50.6	95.2
	Unknown	17,164	46.9	
	Total cases where known	19425		

*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.

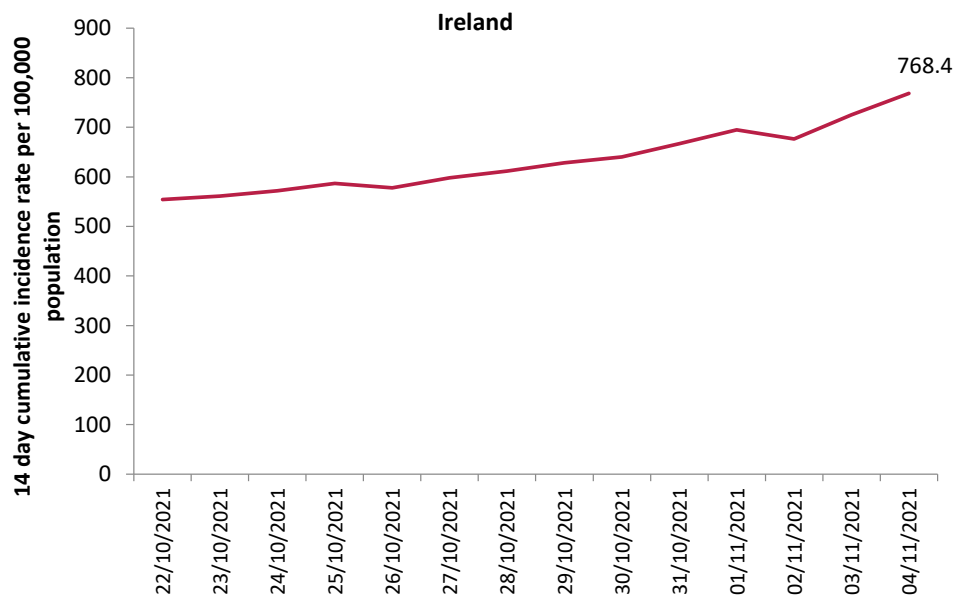


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 22/10/2021 up to midnight on 04/11/2021

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 22/10/2021 up to midnight on 04/11/2021, 7 day numbers are reported from 29/10/2021 up to midnight on 04/11/2021

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 (31/10/2021 - 04/11/2021)
Waterford	786	676.6	1440	1239.5	54.58	100
Carlow	356	625.3	693	1217.2	51.37	49
Louth	800	620.7	1302	1010.2	61.44	125
Leitrim	182	568.0	315	983.0	57.78	26
Laois	480	566.7	784	925.7	61.22	80
Kerry	820	555.2	1521	1029.7	53.91	110
Longford	213	521.1	423	1034.9	50.35	31
Donegal	807	506.9	1325	832.3	60.91	127
Cork	2,689	495.3	4331	797.8	62.09	371
Meath	943	483.5	1550	794.7	60.84	156
Westmeath	425	478.8	662	745.7	64.20	66
Limerick	887	455.1	1640	841.5	54.09	142
Wexford	681	454.8	1084	724.0	62.82	101
Clare	528	444.4	970	816.4	54.43	78
Dublin	5,893	437.4	9972	740.1	59.10	997
Tipperary	694	435.0	1093	685.0	63.49	99
Cavan	307	403.0	520	682.6	59.04	49
Galway	1,036	401.5	1743	675.4	59.44	155
Offaly	304	389.9	493	632.4	61.66	51
Wicklow	547	384.1	933	655.1	58.63	89
Sligo	235	358.6	390	595.1	60.26	36
Mayo	463	354.8	742	568.6	62.40	69
Kilkenny	346	348.7	599	603.6	57.76	44
Kildare	775	348.3	1367	614.4	56.69	122
Roscommon	224	347.1	364	564.0	61.54	32
Monaghan	209	340.5	333	542.5	62.76	34
Unknown/Other						
Total	21630	454.2	36589	768.4	59.12	3341

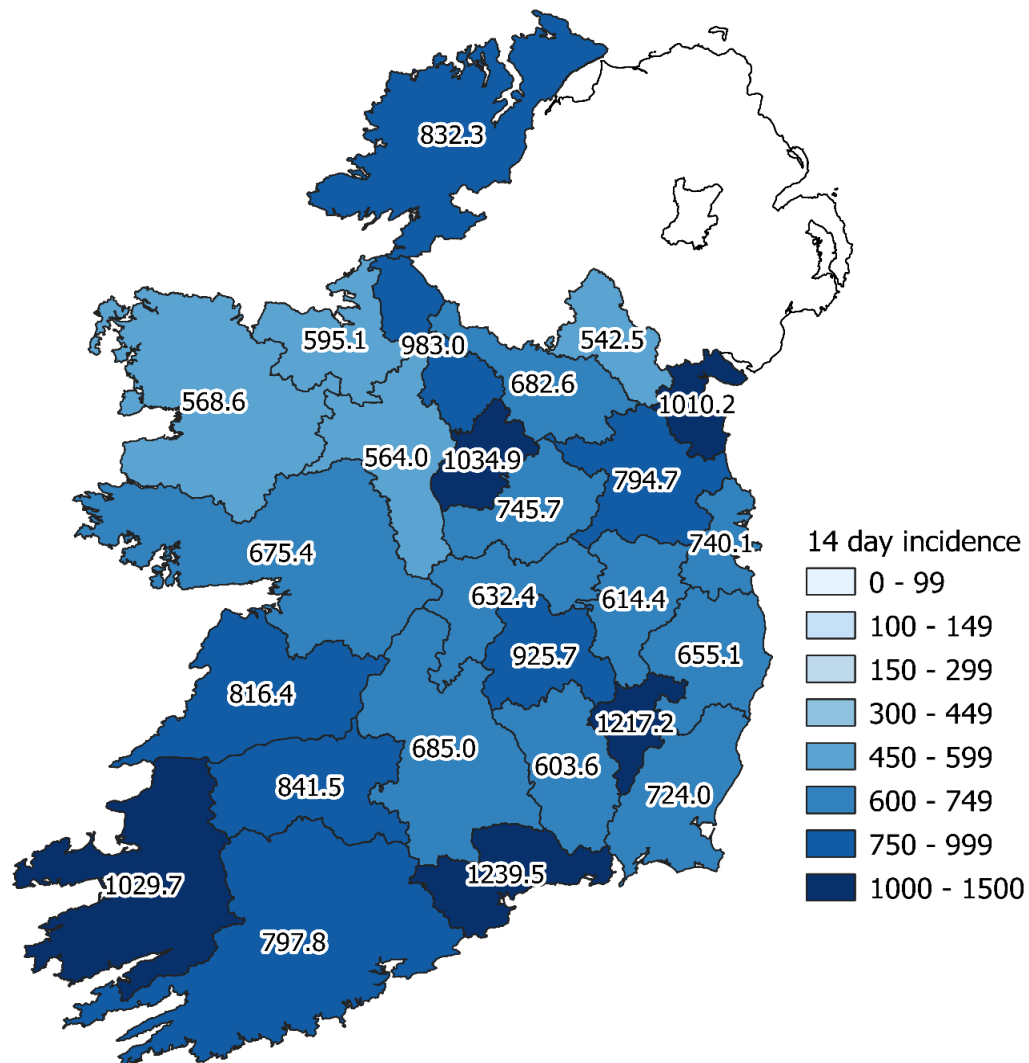


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 22/10/2021 up to midnight on 04/11/2021

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 22/10/2021 up to midnight on 04/11/2021, by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	459	1.3
Close contact with a known confirmed case	9260	25.3
Healthcare setting acquired: patient	83	0.2
Healthcare setting acquired: staff	134	0.4
Community transmission	8221	22.5
Under investigation	18,432	50.4
Total cases with known most likely transmission source	18157	
Total	36,589	

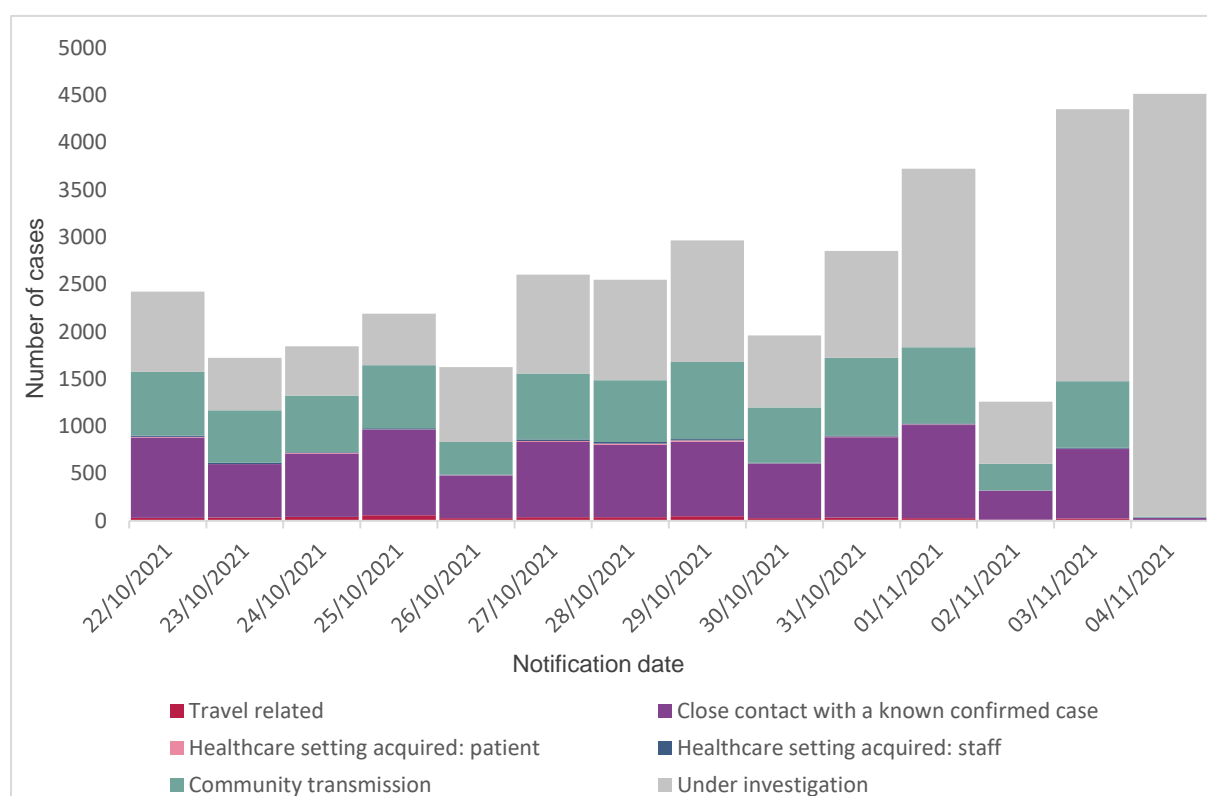


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 22/10/2021 up to midnight on 04/11/2021

*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

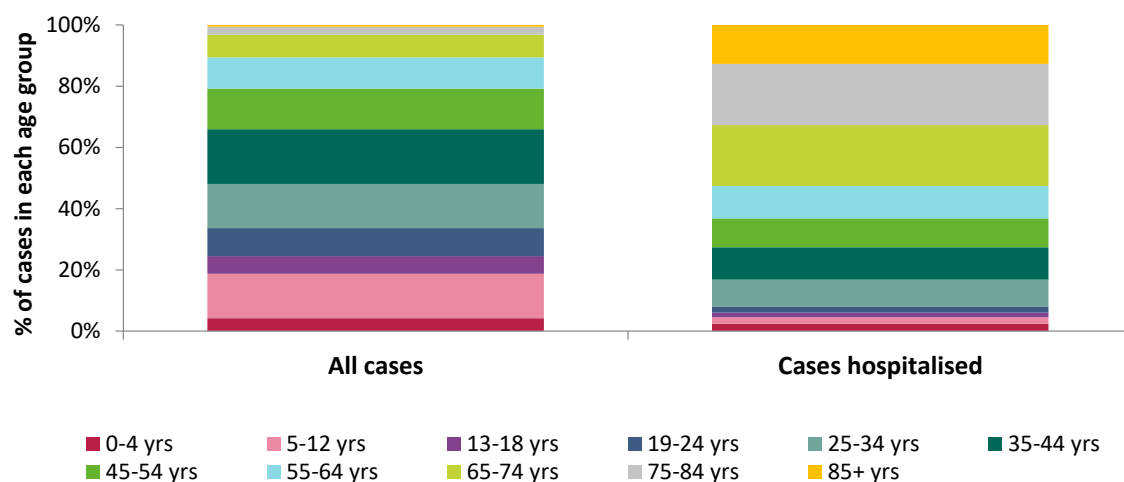


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 22/10/2021 up to midnight on 04/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 22/10/2021 up to midnight on 04/11/2021, 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	1543	4.2	12	2.3	0	0.0
5-12 yrs	5321	14.5	11	2.2	0	0.0
13-18 yrs	2085	5.7	8	1.6	<5	-
19-24 yrs	3359	9.2	10	2.0	0	0.0
25-34 yrs	5275	14.4	45	8.8	<5	-
35-44 yrs	6527	17.8	54	10.6	<5	-
45-54 yrs	4883	13.3	48	9.4	6	20.0
55-64 yrs	3726	10.2	54	10.6	<5	-
65-74 yrs	2697	7.4	102	20.0	9	30.0
75-84 yrs	940	2.6	102	20.0	6	20.0
85+ yrs	230	0.6	65	12.7	0	0.0
Unknown	3	0.0	0	0.0	0	0.0
Total	36589	100	511	100	30	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 22/10/2021 up to midnight on 04/11/2021

Date	Number of confirmed cases
22/10/2021	2424
23/10/2021	1724
24/10/2021	1844
25/10/2021	2189
26/10/2021	1627
27/10/2021	2602
28/10/2021	2549
29/10/2021	2966
30/10/2021	1961
31/10/2021	2853
01/11/2021	3722
02/11/2021	1260 *
03/11/2021	4354
04/11/2021	4514
Total	36,589

*A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications on the 2/11/2021 and an artificially high number on subsequent days.

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 (22/10/2021 to 04/11/2021)

