



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 09/11/2021

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 resumed the 9/11/2021.

Data in this report are based on CIDR notifications.

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/10/2021 up to midnight on 08/11/2021

	Number	Percent
Total number of confirmed cases	44,006	
National incidence of confirmed cases per 100,000	924.1	
Number of cases hospitalised*	581	1.32
Number of cases admitted to ICU*	30	0.07
Number of cases in healthcare workers	1034	2.35
% where HCW is known	4.6	
Number of cases associated with clusters**	719	1.63
Males	21,505	48.9
Females	22,415	50.9
M:F ratio	0.96	
Median age (years)	35	
Mean age (years)	35	
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 26/10/2021 up to midnight on 08/11/2021

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

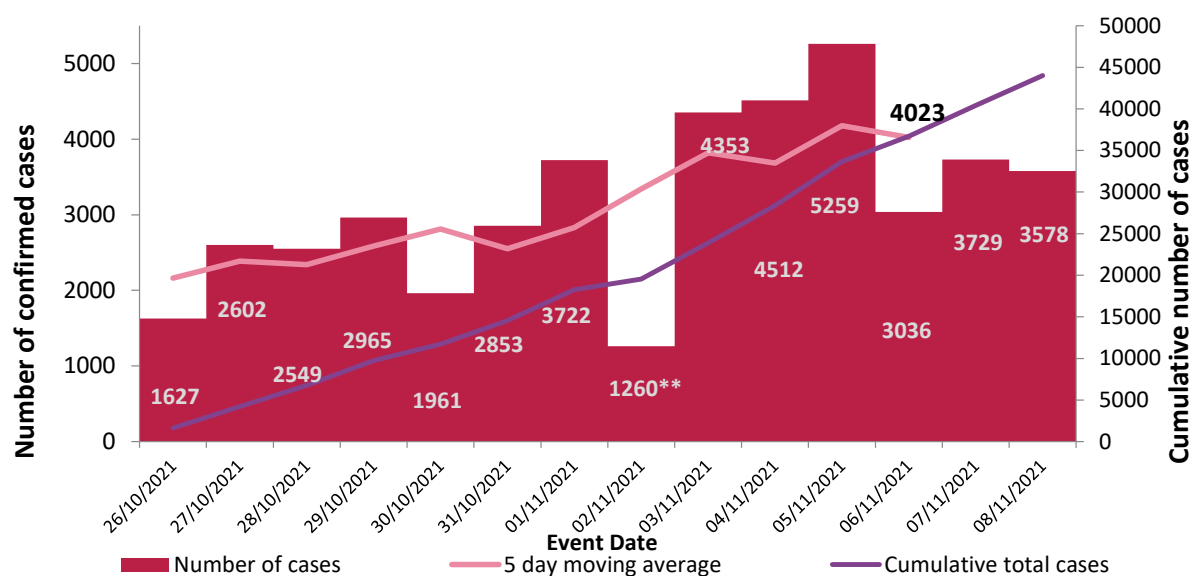


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=44006)

*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.

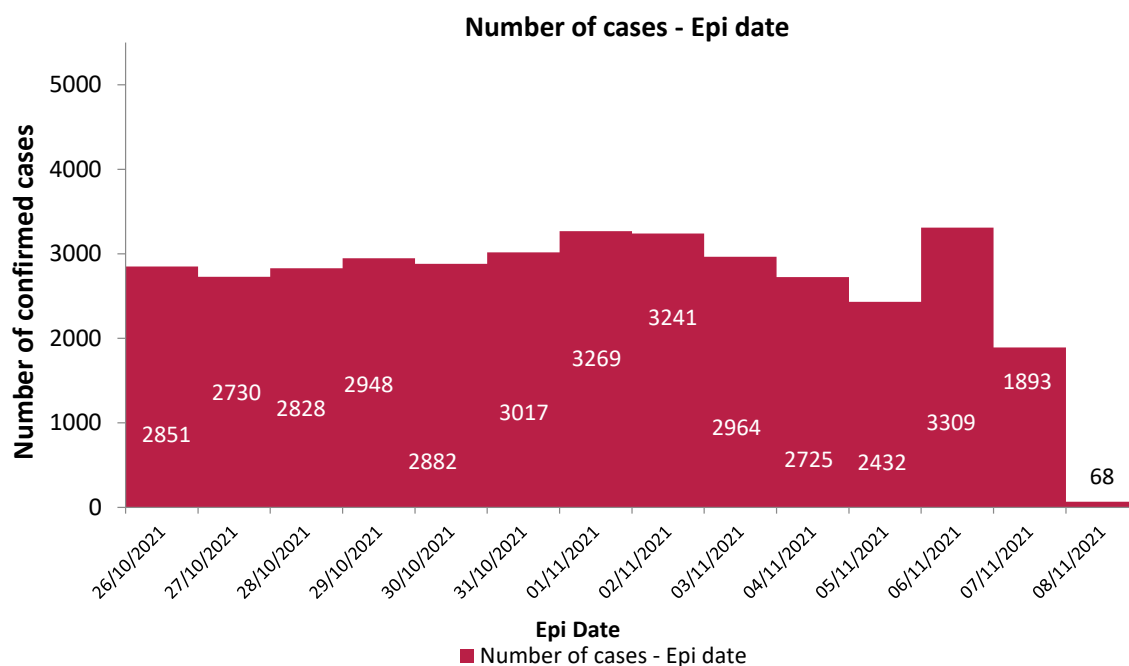


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 26/10/2021 up to midnight on 08/11/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		44,006	100
Sex	Male	21,505	48.9
	Female	22,415	50.9
	Unknown	86	0.2
Age	Median age (years)	35	
	Mean age (years)	35	
	Age range (years)	0-99	
	0-4 yrs	1803	4.1
	5-12 yrs	6144	14.0
	13-18 yrs	2632	6.0
	19-24 yrs	4726	10.7
	25-34 yrs	6660	15.1
	35-44 yrs	7635	17.3
	45-54 yrs	5775	13.1
	55-64 yrs	4404	10.0
	65-74 yrs	2986	6.8
	75-84 yrs	1011	2.3
	85+ yrs	227	0.5
	Unknown	3	
	Total	44,006	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 26/10/2021 up to midnight on 08/11/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		44,006	100	
Symptom status at time of test*	Yes	19386	44.1	87.0
	No	2894	6.6	13.0
	Unknown	21,726	49.4	
	Total cases where known	22280		
Healthcare worker	Yes	1034	2.3	4.6
	No	21354	48.5	95.4
	Unknown	21,618	49.1	
	Total cases where known	22388		

*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.

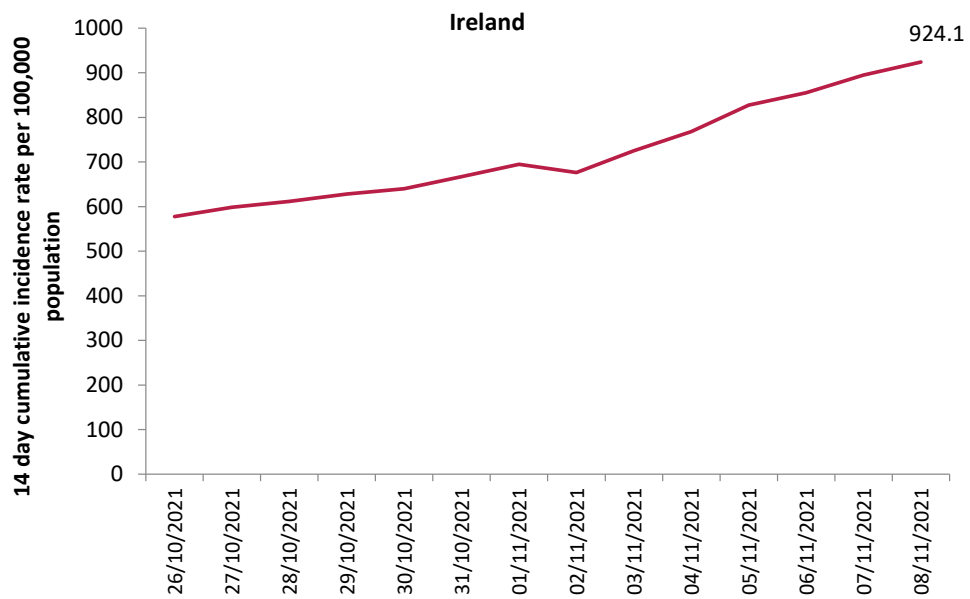


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 26/10/2021 up to midnight on 08/11/2021

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 26/10/2021 up to midnight on 08/11/2021, 7 day numbers are reported from 02/11/2021 up to midnight on 08/11/2021

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 (04/11/2021 - 08/11/2021)
Leitrim	270	842.6	435	1357.5	62.07	44
Louth	928	720.0	1,503	1166.2	61.74	136
Carlow	384	674.5	724	1271.7	53.04	63
Westmeath	589	663.5	907	1021.7	64.94	99
Laois	555	655.3	963	1137.0	57.63	82
Donegal	950	596.8	1569	985.6	60.55	151
Cork	3,158	581.7	5346	984.8	59.07	500
Waterford	661	569.0	1501	1292.0	44.04	109
Limerick	1,079	553.6	1868	958.4	57.76	173
Dublin	7,438	552.0	12295	912.5	60.50	1146
Meath	1,068	547.6	1835	940.8	58.20	153
Longford	215	526.0	439	1074.1	48.97	33
Cavan	393	515.9	640	840.2	61.41	58
Tipperary	823	515.8	1389	870.6	59.25	127
Galway	1,321	511.9	2183	845.9	60.51	211
Sligo	332	506.6	508	775.2	65.35	55
Kilkenny	499	502.9	824	830.4	60.56	82
Kerry	733	496.3	1453	983.7	50.45	114
Clare	578	486.5	1044	878.7	55.36	91
Mayo	632	484.3	1005	770.1	62.89	108
Wicklow	662	464.8	1192	836.9	55.54	105
Offaly	349	447.7	595	763.2	58.66	53
Wexford	649	433.5	1318	880.3	49.24	108
Kildare	955	429.2	1617	726.7	59.06	146
Roscommon	265	410.6	441	683.3	60.09	46
Monaghan	241	392.6	412	671.2	58.50	32
Unknown/Other						
Total	25727	540.3	44006	924.1	58.46	4023

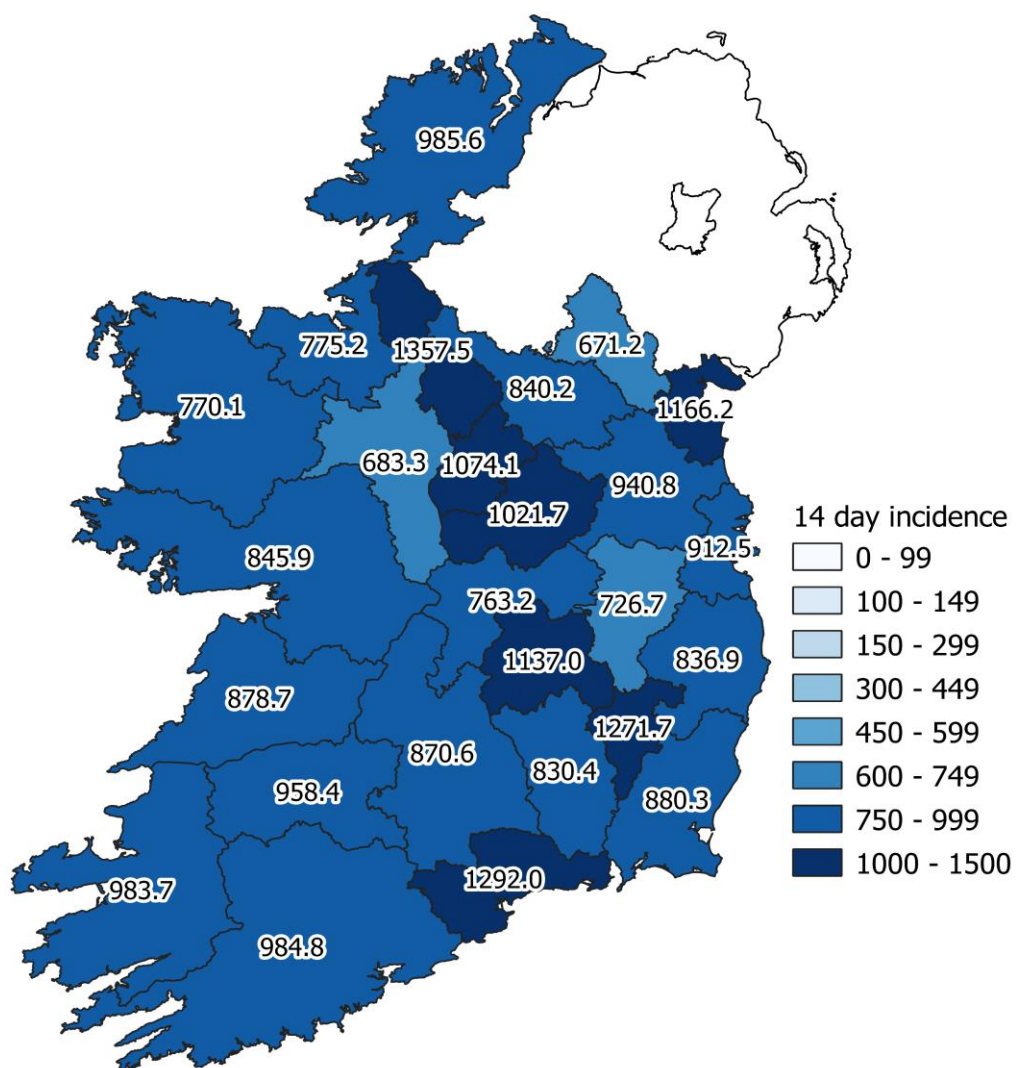


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 26/10/2021 up to midnight on 08/11/2021

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 26/10/2021 up to midnight on 08/11/2021, by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	423	1.0
Close contact with a known confirmed case	10485	23.8
Healthcare setting acquired: patient	107	0.2
Healthcare setting acquired: staff	130	0.3
Community transmission	9666	22.0
Under investigation	23,195	52.7
Total cases with known most likely transmission source	20811	
Total	44,006	

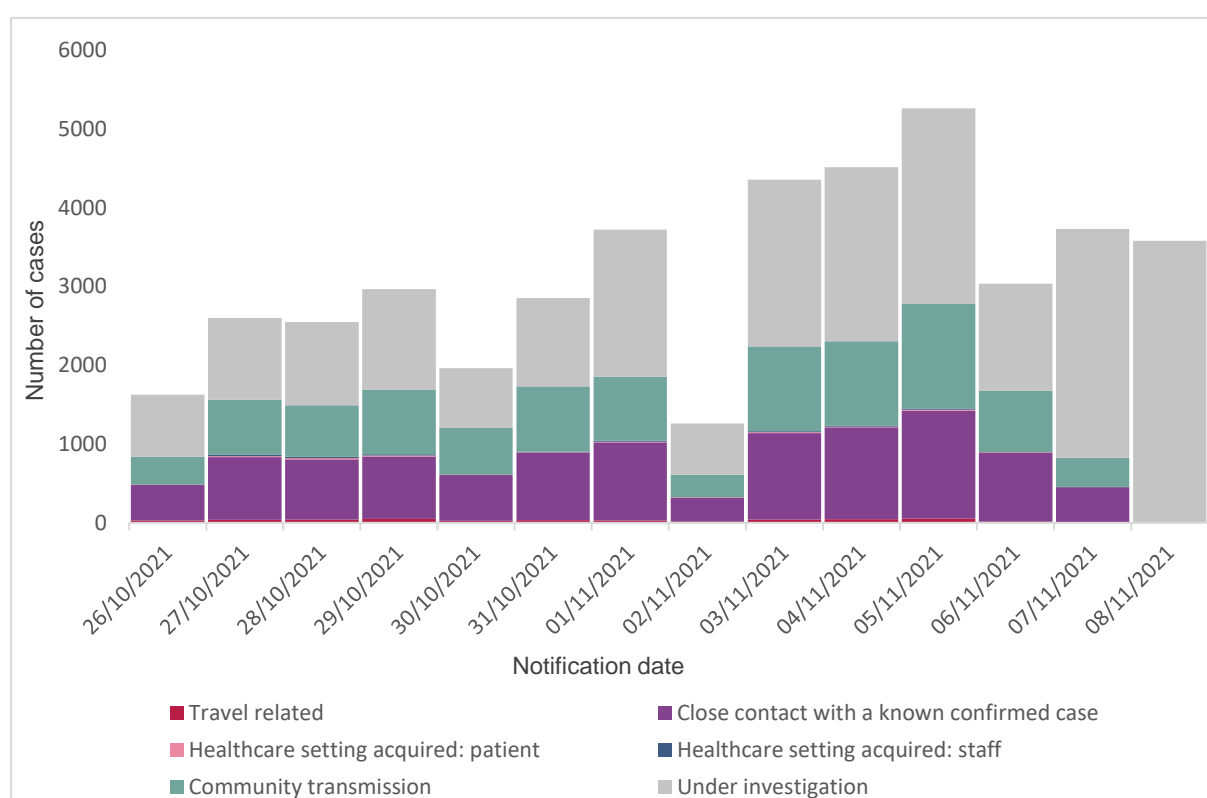


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 26/10/2021 up to midnight on 08/11/2021

*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

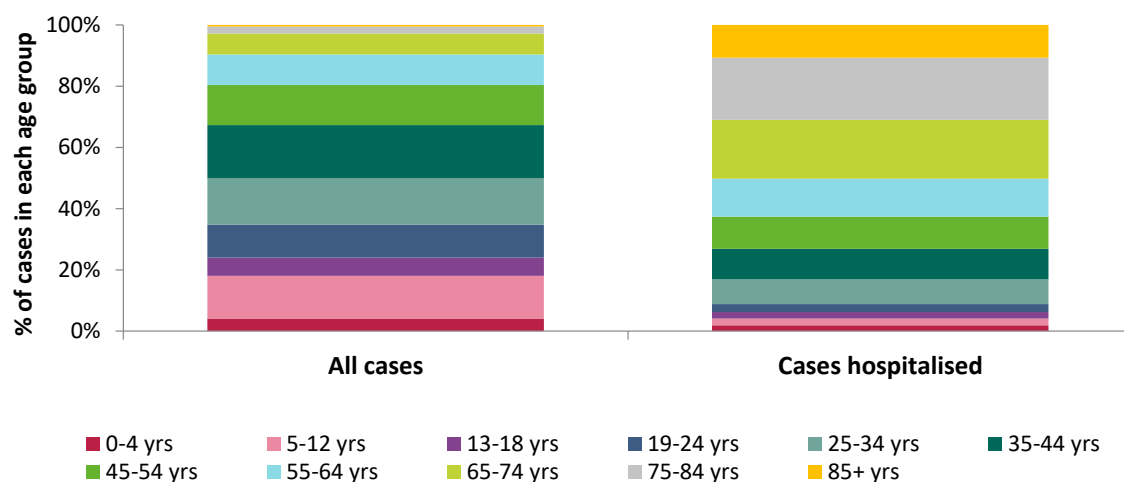


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 26/10/2021 up to midnight on 08/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 26/10/2021 up to midnight on 08/11/2021, 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	1803	4.1	11	1.9	0	0.0
5-12 yrs	6144	14.0	13	2.2	0	0.0
13-18 yrs	2632	6.0	12	2.1	<5	-
19-24 yrs	4726	10.7	15	2.6	0	0.0
25-34 yrs	6660	15.1	47	8.1	<5	-
35-44 yrs	7635	17.3	58	10.0	<5	-
45-54 yrs	5775	13.1	61	10.5	7	23.3
55-64 yrs	4404	10.0	72	12.4	<5	-
65-74 yrs	2986	6.8	112	19.3	8	26.7
75-84 yrs	1011	2.3	118	20.3	7	23.3
85+ yrs	227	0.5	62	10.7	0	0.0
Unknown	3	0.0	0	0.0	0	0.0
Total	44006	100	581	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 26/10/2021 up to midnight on 08/11/2021

Date	Number of confirmed cases
26/10/2021	1627
27/10/2021	2602
28/10/2021	2549
29/10/2021	2965
30/10/2021	1961
31/10/2021	2853
01/11/2021	3722
02/11/2021	1260 *
03/11/2021	4353
04/11/2021	4512
05/11/2021	5259
06/11/2021	3036
07/11/2021	3729
08/11/2021	3578
Total	44,006

* 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 (26/10/2021 to 08/11/2021)

