



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 11/11/2021

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 28/10/2021 up to midnight on 10/11/2021

	Number	Percent
Total number of confirmed cases	46,427	
National incidence of confirmed cases per 100,000	975.0	
Number of cases hospitalised*	611	1.32
Number of cases admitted to ICU*	31	0.07
Number of cases in healthcare workers	1058	2.28
% where HCW is known	4.3	
Number of cases associated with clusters**	750	1.62
Males	22,787	49.1
Females	23,572	50.8
M:F ratio	0.97	
Median age (years)	34	
Mean age (years)	35	
Age range (years)	0-100	

* 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.

**Cases may be associated with outbreaks notified outside the timeframe of this report from 28/10/2021 up to midnight on 10/11/2021

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

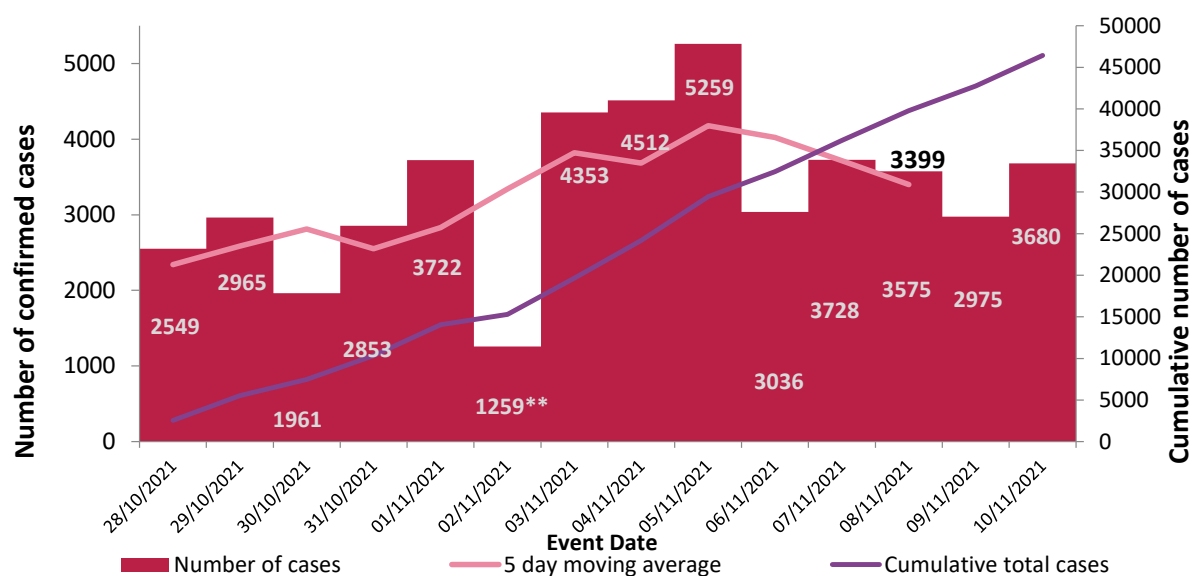


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=46427)

*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

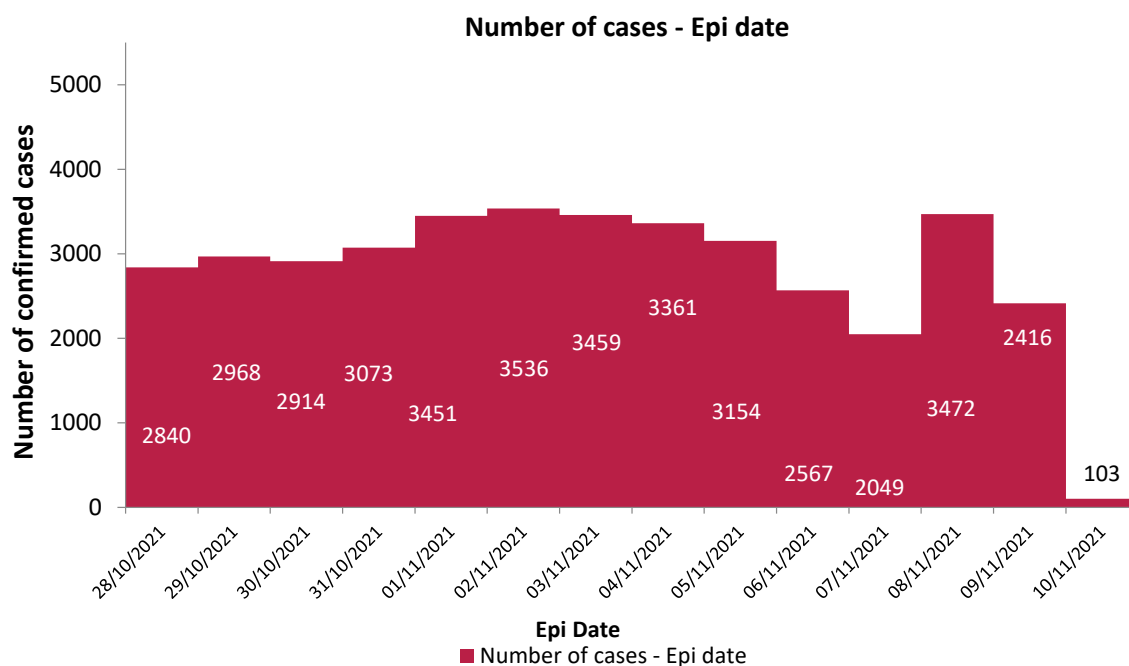


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 28/10/2021 up to midnight on 10/11/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		46,427	100
Sex	Male	22,787	49.1
	Female	23,572	50.8
	Unknown	68	0.1
Age	Median age (years)	34	
	Mean age (years)	35	
	Age range (years)	0-100	
	0-4 yrs	1945	4.2
	5-12 yrs	6475	13.9
	13-18 yrs	2845	6.1
	19-24 yrs	5076	10.9
	25-34 yrs	7044	15.2
	35-44 yrs	8013	17.3
	45-54 yrs	6082	13.1
	55-64 yrs	4608	9.9
	65-74 yrs	3091	6.7
	75-84 yrs	1027	2.2
	85+ yrs	219	0.5
	Unknown	2	
	Total	46,427	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 28/10/2021 up to midnight on 10/11/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		46,427	100	
Symptom status at time of test*	Yes	21282	45.8	86.9
	No	3200	6.9	13.1
	Unknown	21,945	47.3	
	Total cases where known	24482		
Healthcare worker	Yes	1058	2.3	4.3
	No	23517	50.7	95.7
	Unknown	21,852	47.1	
	Total cases where known	24575		

*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.

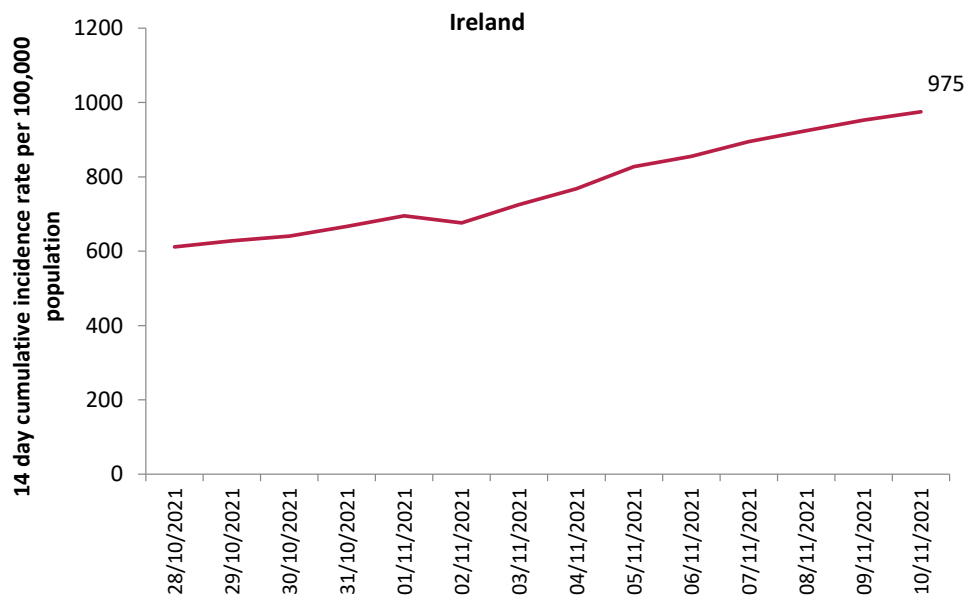


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 28/10/2021 up to midnight on 10/11/2021

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 28/10/2021 up to midnight on 10/11/2021, 7 day numbers are reported from 04/11/2021 up to midnight on 10/11/2021

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 (06/11/2021 - 10/11/2021)
Leitrim	291	908.1	488	1522.9	59.63	35
Westmeath	701	789.7	1030	1160.3	68.06	97
Carlow	406	713.1	682	1197.9	59.53	48
Louth	905	702.2	1619	1256.2	55.90	113
Donegal	1,089	684.1	1783	1120.0	61.08	142
Laois	570	673.0	1,027	1212.6	55.50	82
Waterford	737	634.4	1512	1301.5	48.74	87
Longford	258	631.2	460	1125.4	56.09	34
Cork	3,208	590.9	5612	1033.8	57.16	391
Limerick	1,118	573.6	1946	998.5	57.45	140
Galway	1,440	558.0	2373	919.6	60.68	182
Dublin	7,440	552.2	12668	940.2	58.73	969
Mayo	720	551.7	1127	863.6	63.89	85
Meath	1,066	546.5	2011	1031.0	53.01	134
Sligo	358	546.3	562	857.6	63.70	44
Kerry	789	534.2	1494	1011.5	52.81	90
Wicklow	758	532.2	1338	939.4	56.65	100
Kilkenny	521	525.0	861	867.7	60.51	62
Tipperary	825	517.1	1459	914.4	56.55	104
Clare	582	489.8	1065	896.3	54.65	81
Offaly	380	487.4	650	833.8	58.46	59
Wexford	719	480.2	1344	897.7	53.50	80
Cavan	362	475.2	666	874.3	54.35	45
Kildare	1,049	471.5	1782	800.9	58.87	136
Roscommon	273	423.0	447	692.6	61.07	33
Monaghan	200	325.8	421	685.8	47.51	26
Unknown/Other						
Total	26765	562.1	46427	975.0	57.65	3399

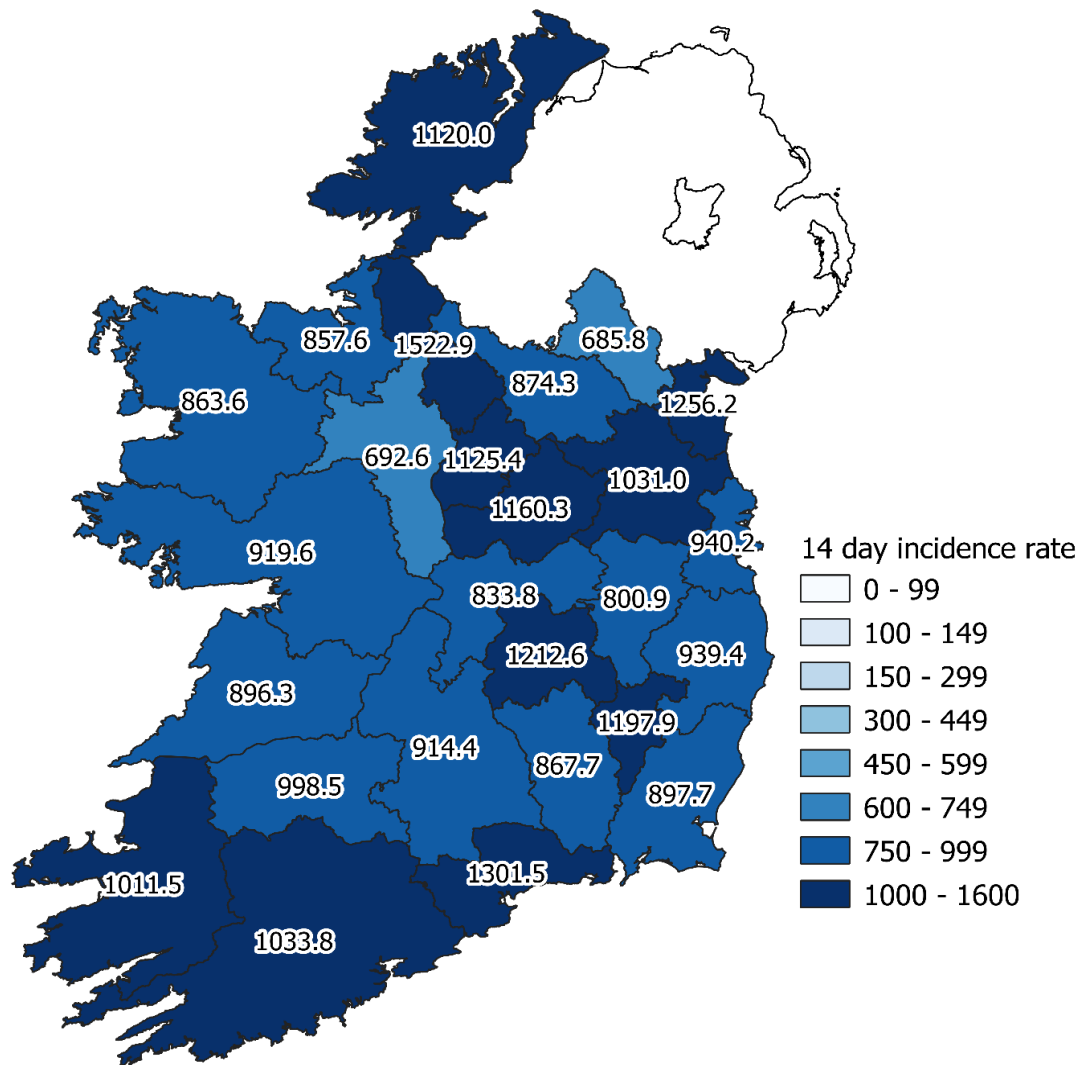


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 28/10/2021 up to midnight on 10/11/2021

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 28/10/2021 up to midnight on 10/11/2021, by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	405	0.9
Close contact with a known confirmed case	11551	24.9
Healthcare setting acquired: patient	112	0.2
Healthcare setting acquired: staff	139	0.3
Community transmission	10552	22.7
Under investigation	23,668	51.0
Total cases with known most likely transmission source	22759	
Total	46,427	

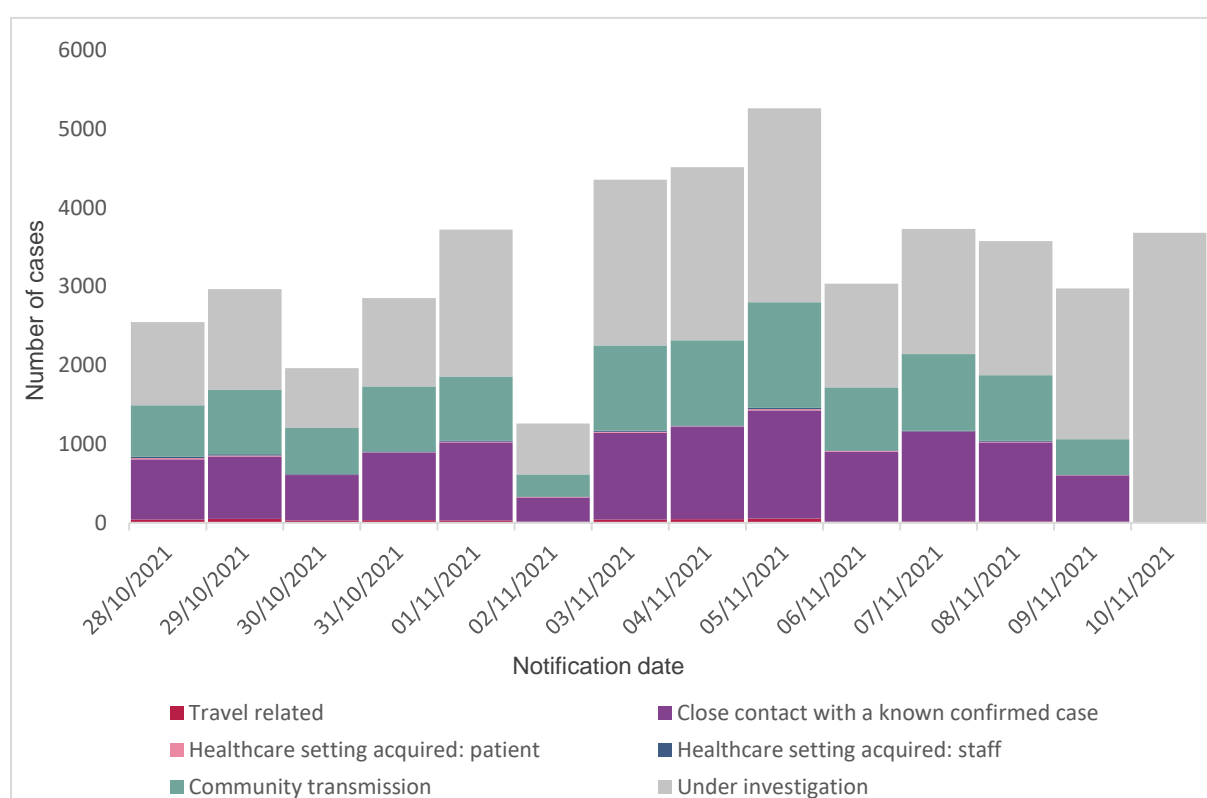


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 28/10/2021 up to midnight on 10/11/2021

*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

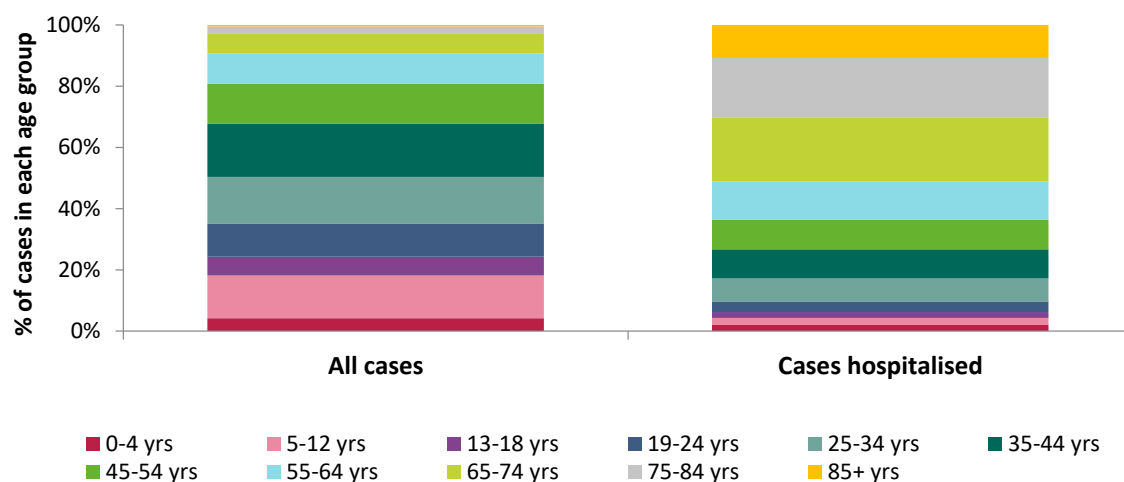


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 28/10/2021 up to midnight on 10/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 28/10/2021 up to midnight on 10/11/2021, 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	1945	4.2	12	2.0	0	0.0
5-12 yrs	6475	13.9	14	2.3	<5	-
13-18 yrs	2845	6.1	12	2.0	<5	-
19-24 yrs	5076	10.9	21	3.4	0	0.0
25-34 yrs	7044	15.2	46	7.5	<5	-
35-44 yrs	8013	17.3	58	9.5	<5	-
45-54 yrs	6082	13.1	59	9.7	7	22.6
55-64 yrs	4608	9.9	77	12.6	<5	-
65-74 yrs	3091	6.7	127	20.8	9	29.0
75-84 yrs	1027	2.2	119	19.5	<5	-
85+ yrs	219	0.5	66	10.8	0	0.0
Unknown	2	0.0	0	0.0	0	0.0
Total	46427	100	611	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 28/10/2021 up to midnight on 10/11/2021

Date	Number of confirmed cases
28/10/2021	2549
29/10/2021	2965
30/10/2021	1961
31/10/2021	2853
01/11/2021	3722
02/11/2021	1259 *
03/11/2021	4353
04/11/2021	4512
05/11/2021	5259
06/11/2021	3036
07/11/2021	3728
08/11/2021	3575
09/11/2021	2975
10/11/2021	3680
Total	46,427

* 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

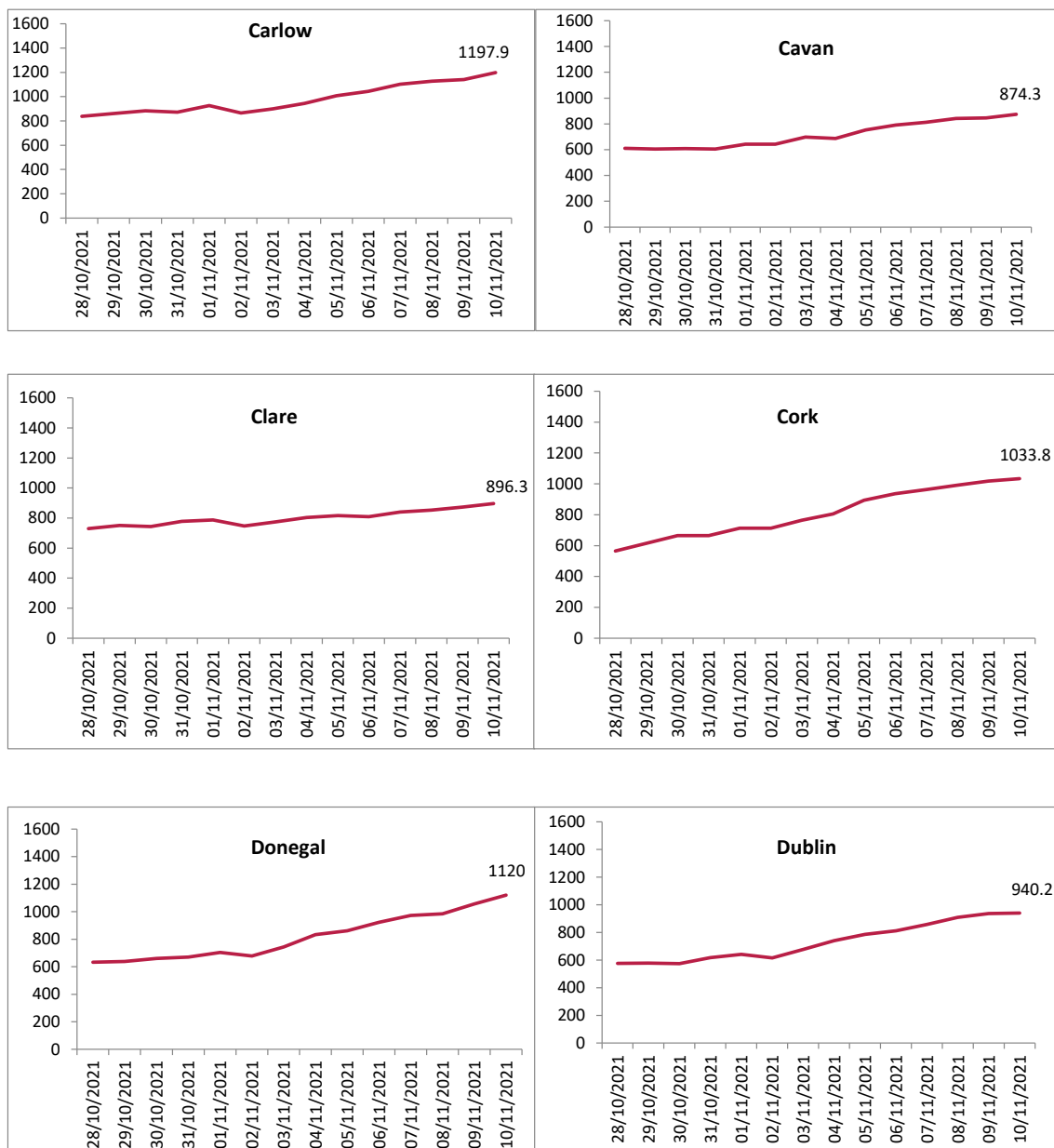
Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

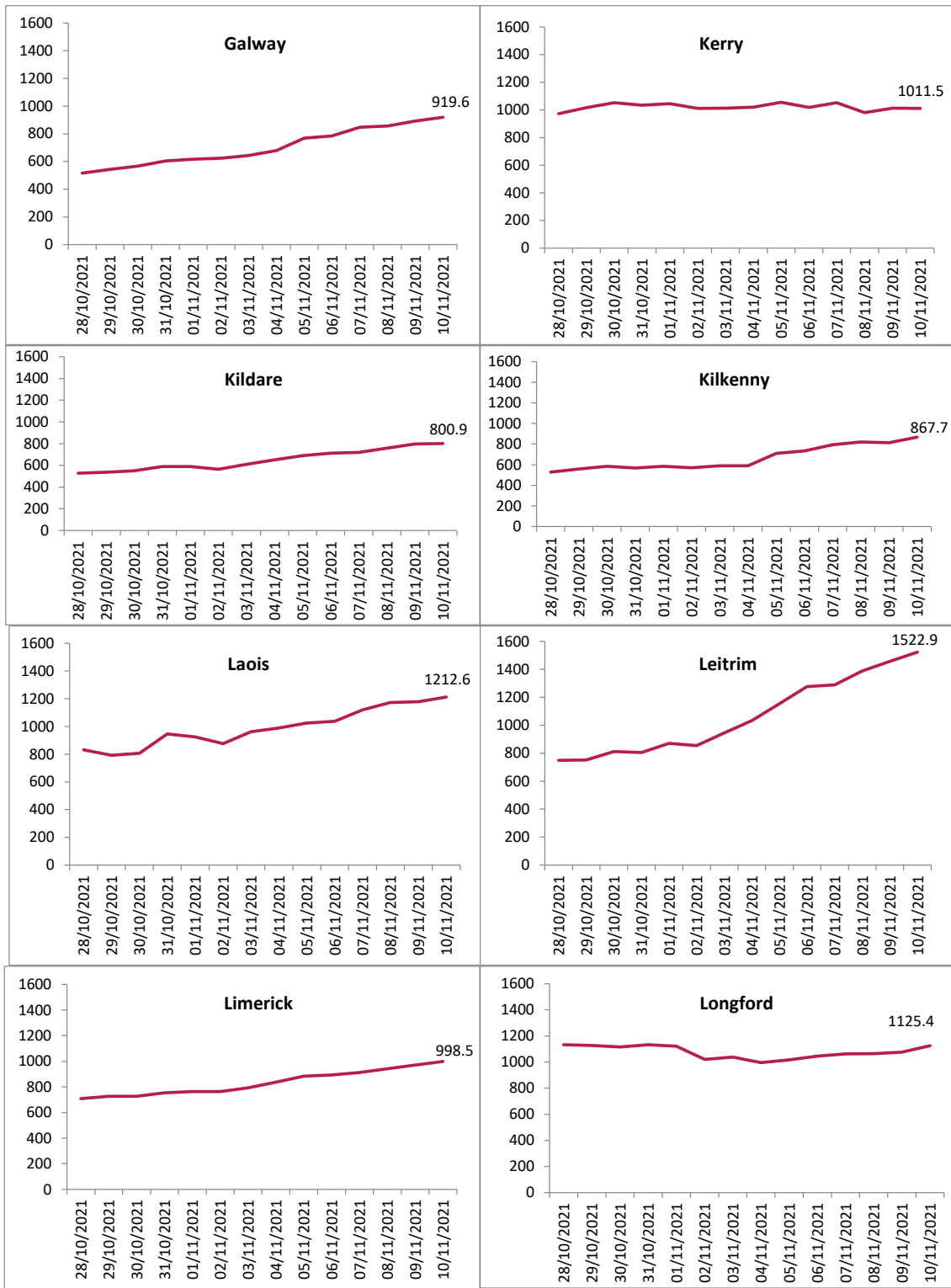
3. Epidemiological date

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 (28/10/2021 to 10/11/2021)





Report prepared by Health Protection Surveillance Centre on 11/11/2021



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