



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 04/11/2021

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 inflation on 3/11/2021. Given the impact on CIDR notifications for these days, the daily case number of 3174 and 3024 announced on the 3/11/2021 and 4/11/2021, respectively is based on SARS CoV-2 results uploaded to the COVID Care Tracker on 2/11/2021 and 3/11/2021, respectively. Normal reporting of daily case numbers from CIDR will resume on 05/11/2021.

Data in this report are based on CIDR notifications.

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 21/10/2021 up to midnight on 03/11/2021

	Number	Percent
Total number of confirmed cases	34,541	
National incidence of confirmed cases per 100,000	725.4	
Number of cases hospitalised*	491	1.42
Number of cases admitted to ICU*	29	0.08
Number of cases in healthcare workers	834	2.41
% where HCW is known	4.8	
Number of cases associated with clusters**	803	2.32
Males	16,959	49.1
Females	17,530	50.8
M:F ratio	0.97	
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 21/10/2021 up to midnight on 03/11/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 04/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

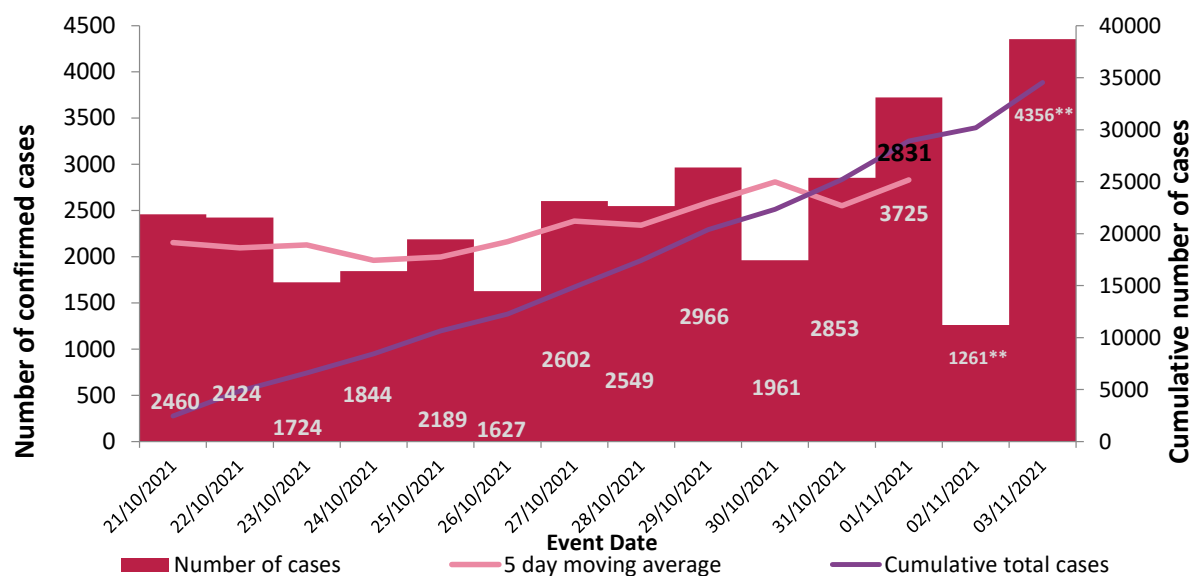


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=34541)

*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 inflation on 3/11/2021.

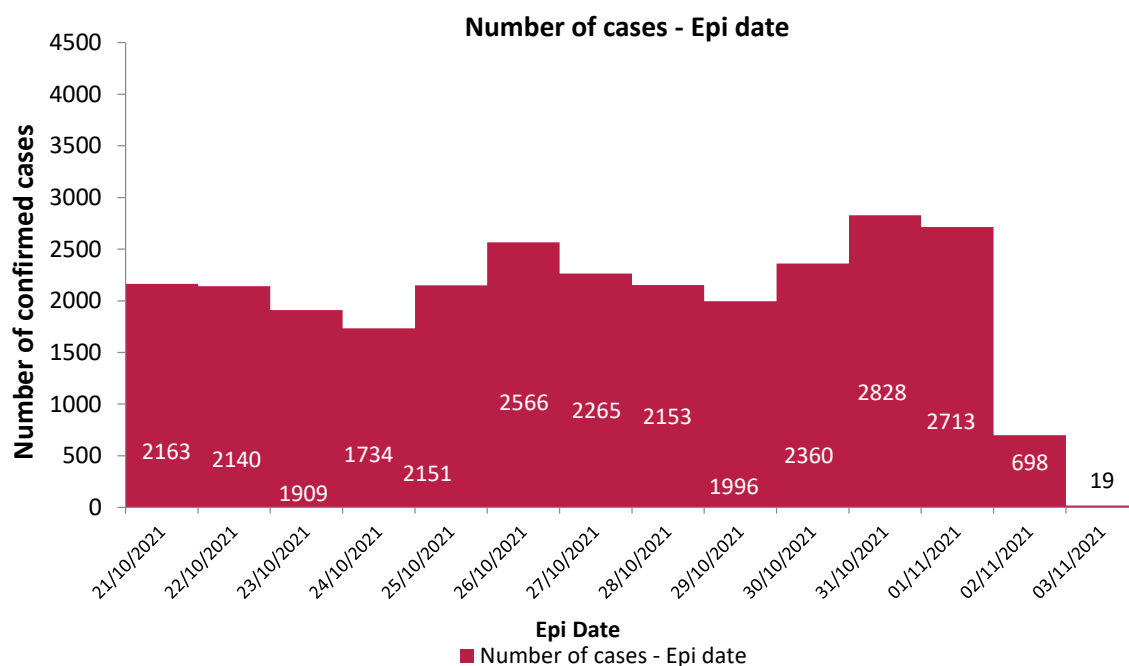


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 21/10/2021 up to midnight on 03/11/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		34,541	100
Sex	Male	16,959	49.1
	Female	17,530	50.8
	Unknown	52	0.2
Age	Median age (years)	36	
	Mean age (years)	36	
	Age range (years)	0-101	
	0-4 yrs	1512	4.4
	5-12 yrs	5134	14.9
	13-18 yrs	1839	5.3
	19-24 yrs	3050	8.8
	25-34 yrs	4910	14.2
	35-44 yrs	6147	17.8
	45-54 yrs	4597	13.3
	55-64 yrs	3577	10.4
	65-74 yrs	2611	7.6
	75-84 yrs	921	2.7
	85+ yrs	241	0.7
	Unknown	2	
	Total	34,541	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 21/10/2021 up to midnight on 03/11/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		34,541	100	
Symptom status at time of test*	Yes	14797	42.8	86.2
	No	2372	6.9	13.8
	Unknown	17,372	50.3	
	Total cases where known	17169		
Healthcare worker	Yes	834	2.4	4.8
	No	16458	47.6	95.2
	Unknown	17,249	49.9	
	Total cases where known	17292		

*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.

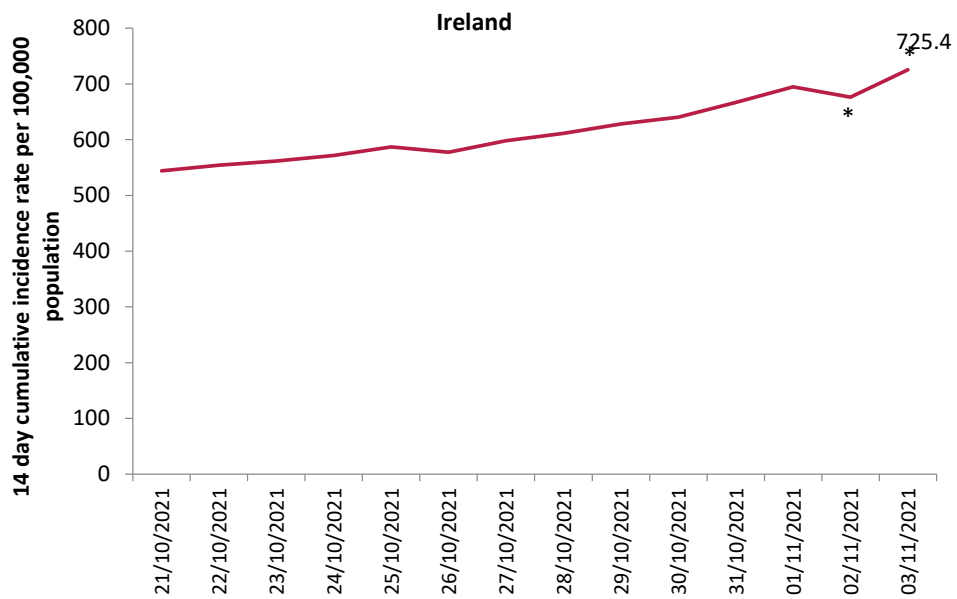


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 21/10/2021 up to midnight on 03/11/2021

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

* 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 inflation on 3/11/2021.

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 21/10/2021 up to midnight on 03/11/2021, 7 day numbers are reported from 28/10/2021 up to midnight on 03/11/2021

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 (30/10/2021 - 03/11/2021)
Waterford	785	675.7	1463	1259.3	53.66	104
Carlow	336	590.2	675	1185.6	49.78	48
Louth	734	569.5	1225	950.5	59.92	110
Leitrim	181	564.8	284	886.3	63.73	22
Longford	218	533.4	448	1096.1	48.66	27
Laois	438	517.1	758	895.0	57.78	73
Kerry	710	480.7	1499	1014.8	47.36	98
Meath	891	456.8	1462	749.6	60.94	121
Wexford	660	440.8	1031	688.6	64.02	97
Cork	2,382	438.8	4124	759.7	57.76	345
Donegal	694	436.0	1181	741.9	58.76	96
Limerick	849	435.6	1,564	802.5	54.28	115
Westmeath	358	403.3	602	678.2	59.47	53
Clare	479	403.1	917	771.8	52.24	65
Cavan	306	401.7	532	698.4	57.52	42
Tipperary	636	398.6	1059	663.7	60.06	91
Dublin	5,228	388.0	9127	677.4	57.28	784
Wicklow	535	375.6	886	622.1	60.38	76
Galway	934	361.9	1661	643.7	56.23	136
Monaghan	221	360.0	342	557.1	64.62	29
Kilkenny	345	347.7	600	604.6	57.50	45
Offaly	270	346.3	476	610.6	56.72	44
Kildare	699	314.2	1278	574.4	54.69	102
Sligo	202	308.2	362	552.4	55.80	31
Mayo	399	305.7	660	505.7	60.45	54
Roscommon	181	280.4	325	503.5	55.69	24
Unknown/Other						
Total	19671	413.1	34541	725.4	56.95	2831

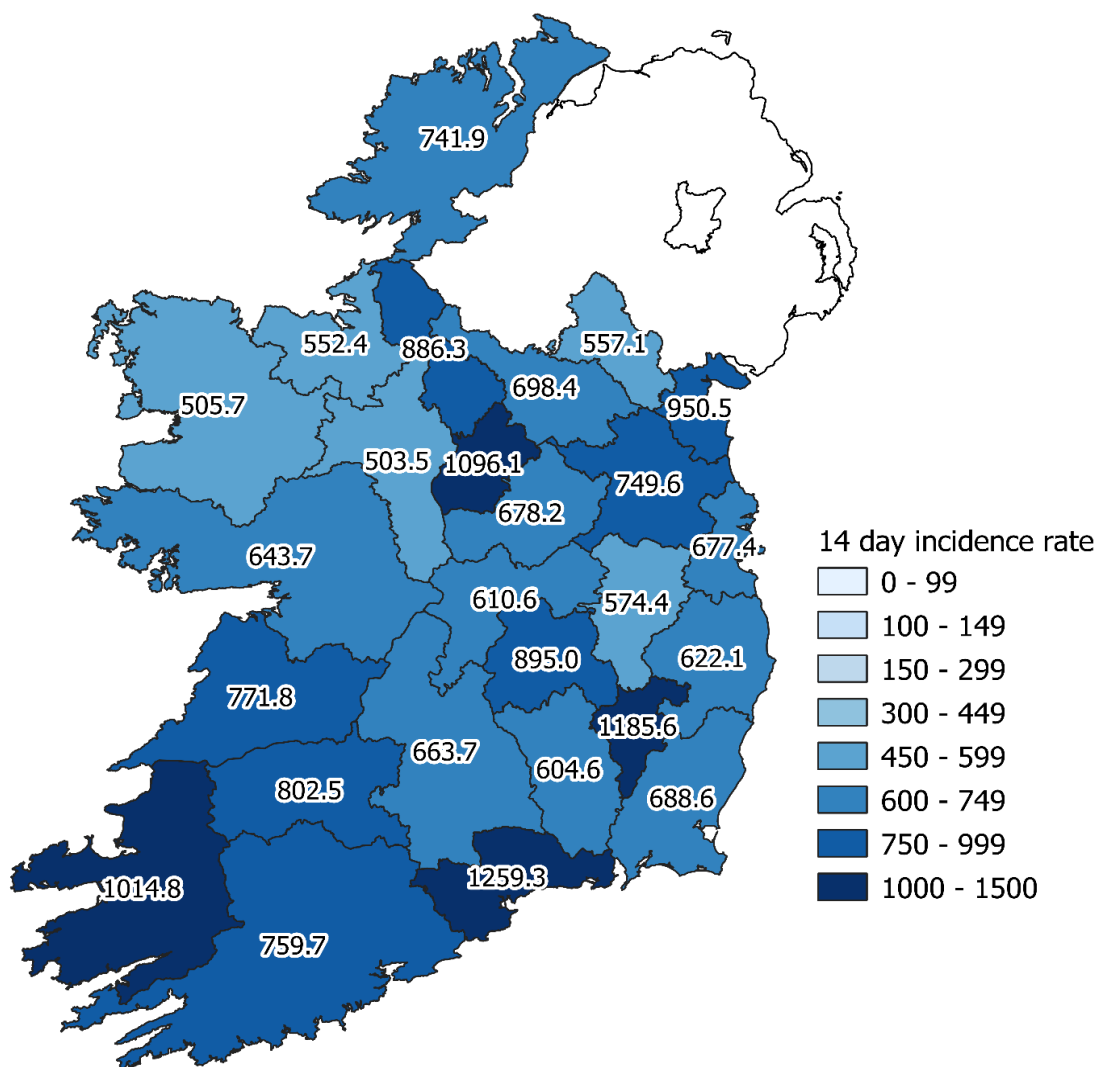


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 21/10/2021 up to midnight on 03/11/2021

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 21/10/2021 up to midnight on 03/11/2021, by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	444	1.3
Close contact with a known confirmed case	8286	24.0
Healthcare setting acquired: patient	74	0.2
Healthcare setting acquired: staff	123	0.4
Community transmission	7281	21.1
Under investigation	18,333	53.1
Total cases with known most likely transmission source	16208	
Total	34,541	

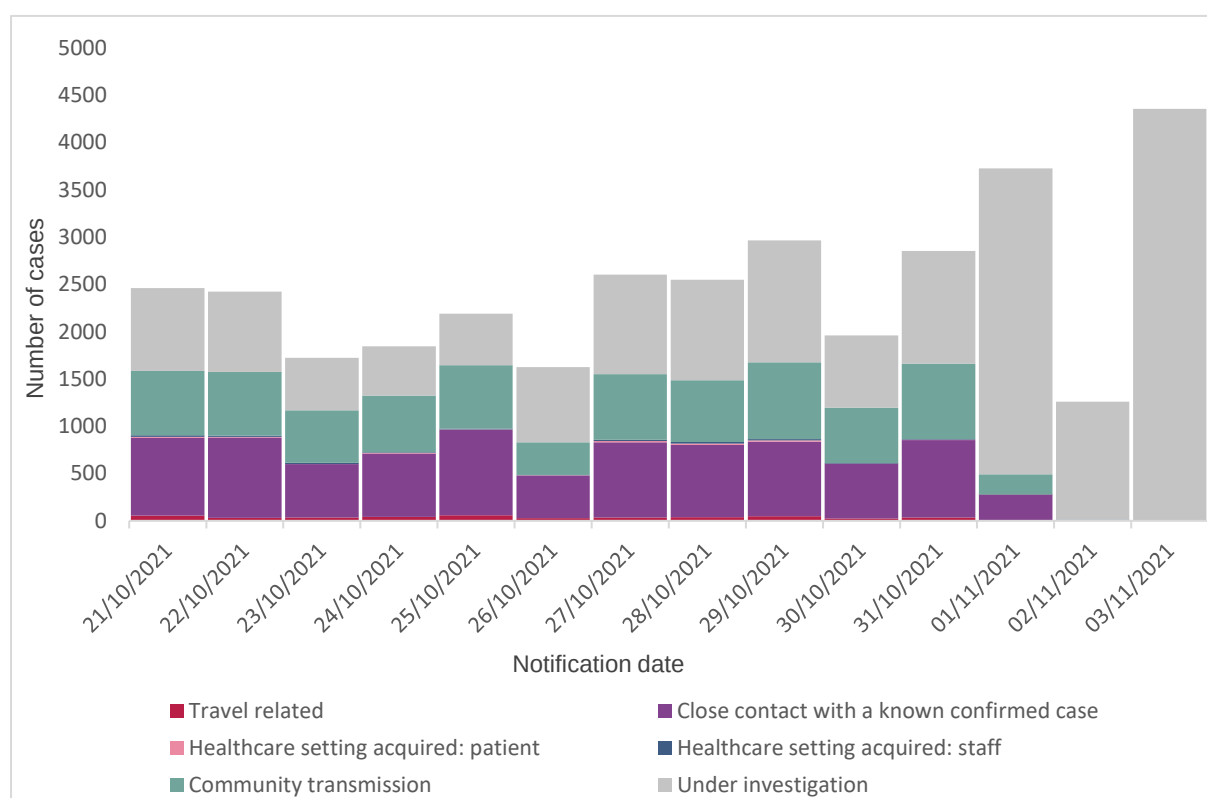


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 21/10/2021 up to midnight on 03/11/2021

*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

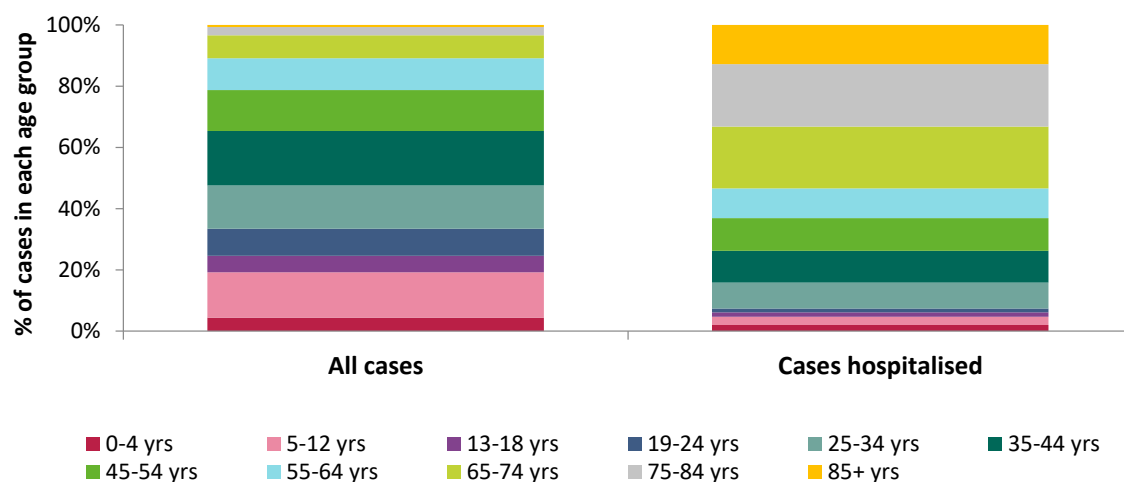


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 21/10/2021 up to midnight on 03/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 21/10/2021 up to midnight on 03/11/2021, 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	1512	4.4	10	2.0	0	0.0
5-12 yrs	5134	14.9	13	2.6	0	0.0
13-18 yrs	1839	5.3	7	1.4	<5	-
19-24 yrs	3050	8.8	6	1.2	0	0.0
25-34 yrs	4910	14.2	42	8.6	<5	-
35-44 yrs	6147	17.8	51	10.4	<5	-
45-54 yrs	4597	13.3	52	10.6	6	20.7
55-64 yrs	3577	10.4	48	9.8	<5	-
65-74 yrs	2611	7.6	99	20.2	7	24.1
75-84 yrs	921	2.7	100	20.4	6	20.7
85+ yrs	241	0.7	63	12.8	0	0.0
Unknown	2	0.0	0	0.0	0	0.0
Total	34541	100	491	100	29	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 21/10/2021 up to midnight on 03/11/2021

Date	Number of confirmed cases
21/10/2021	2460
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	3725
02/11/2021	1261 *
03/11/2021	4356 *
Total	34,541

* 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 inflation on 3/11/2021.

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

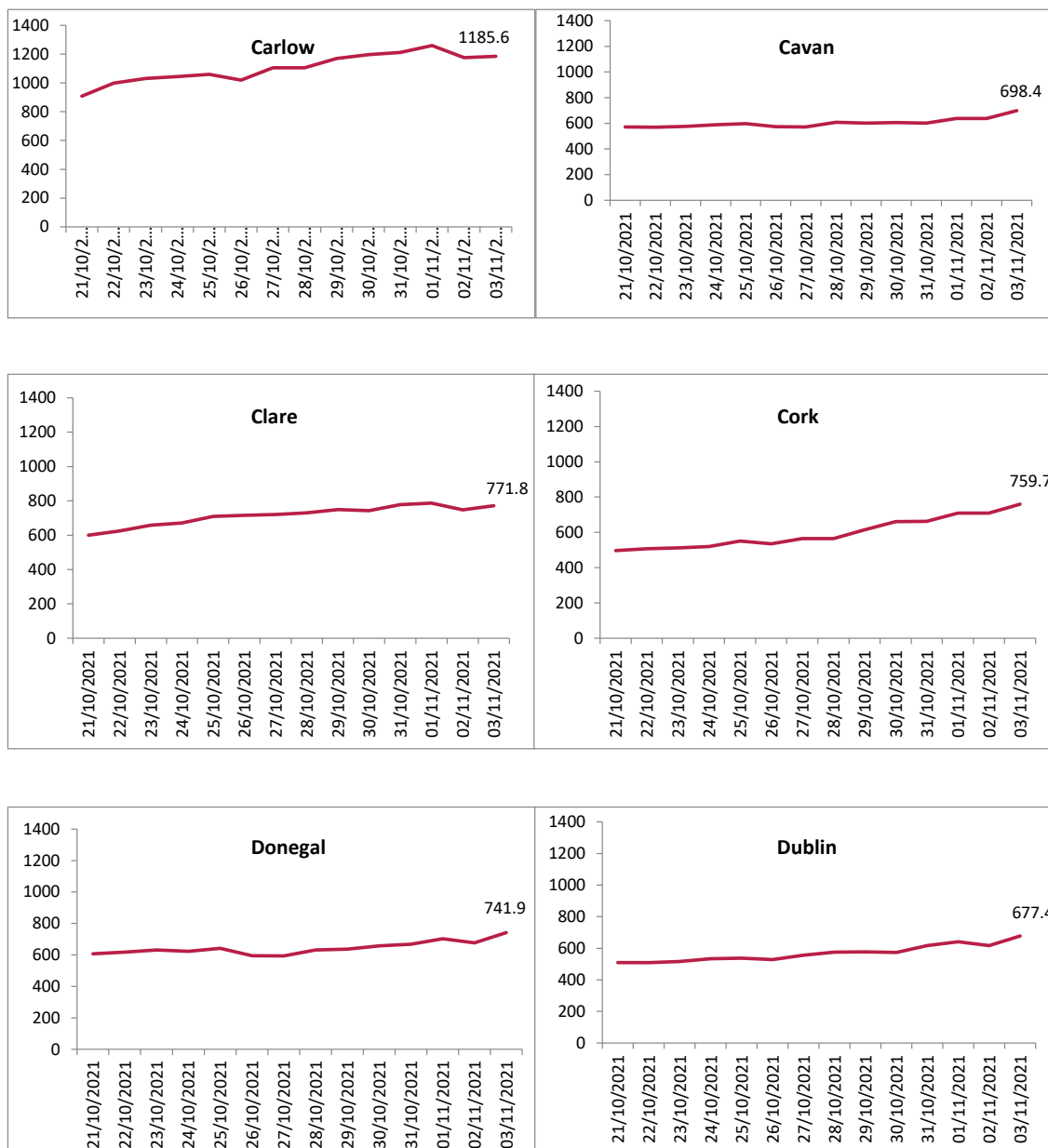
Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

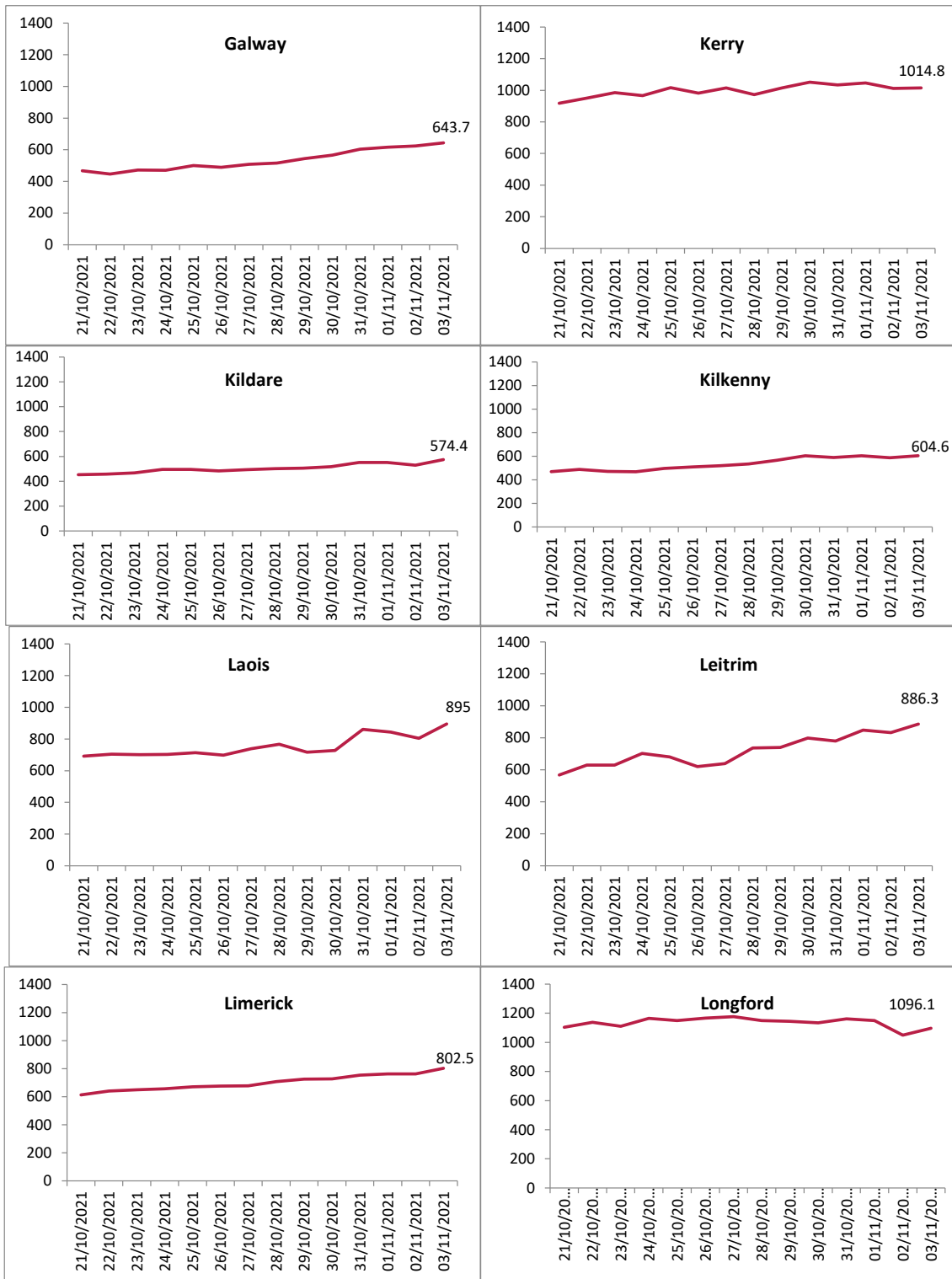
3. Epidemiological date

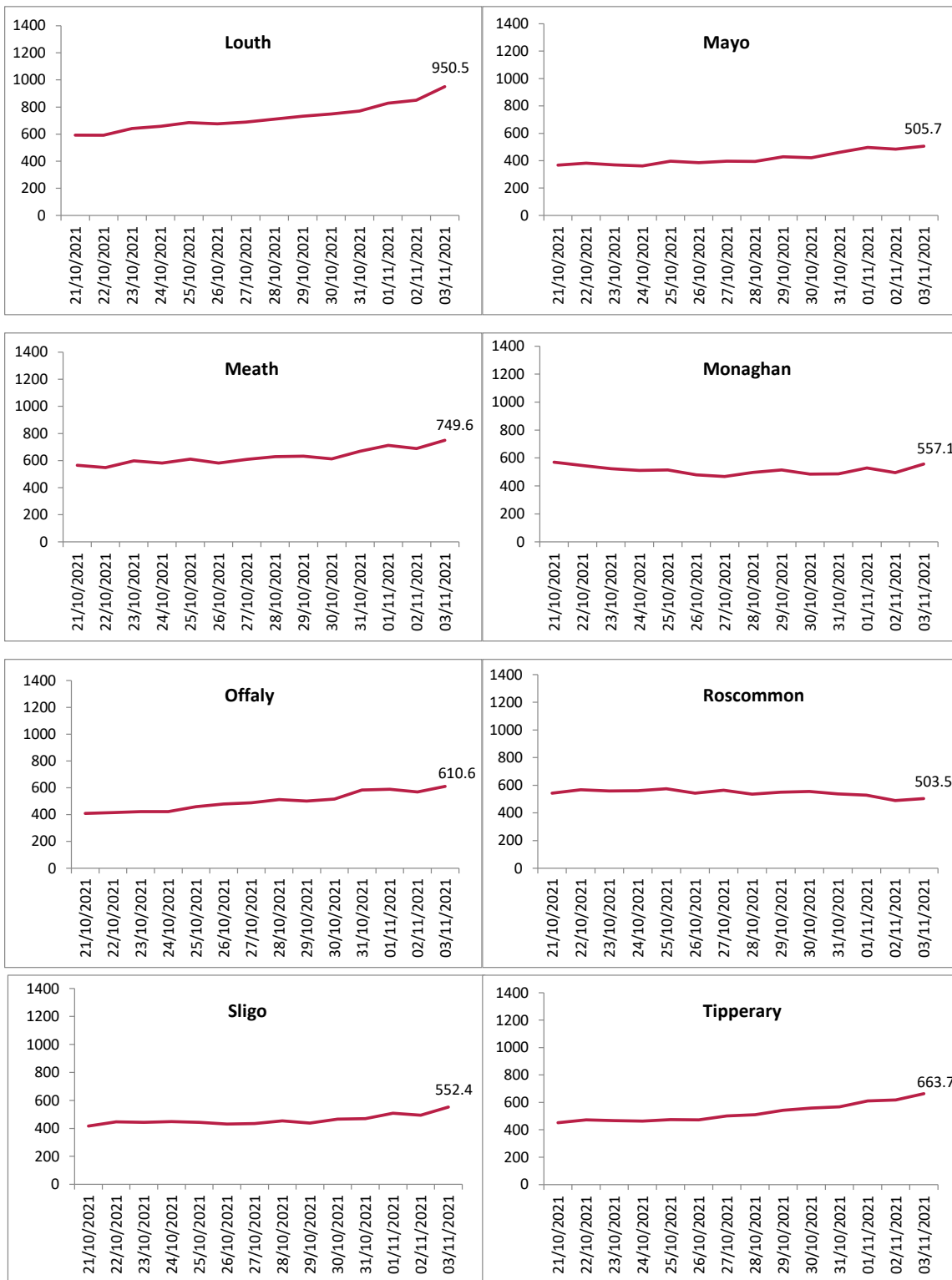
The epi-date is the epidemiological date for a case. It is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date 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 (21/10/2021 to 03/11/2021)







Report prepared by Health Protection Surveillance Centre on 04/11/2021

