



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 06/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 23/01/2021 up to midnight 05/02/2021

	Number	Percent
Total number of confirmed cases	16,458	
National incidence of confirmed cases per 100,000 population	345.62	
Number of cases hospitalised*	1,250	7.6
Number of cases admitted to ICU*	49	0.3
Number of deaths among confirmed cases	137	0.83
Case fatality ratio (CFR, %)	0.83	
National incidence of confirmed deaths per 100,000 population	2.88	
Number of cases** associated with clusters	2,629	15.97
Number of imported cases	8	0.05
Number of cases in healthcare workers	1,955	11.88
Males	7,743	47.05
Females	8,700	52.86
M:F ratio	0.89	
Median age (years)	40	
Mean age (years)	43	
Age range (years)	0 - 105	

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

**Cases may be associated with outbreaks notified outside the timeframe of this report
23/01/2021 - 05/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 12:50 on 06/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

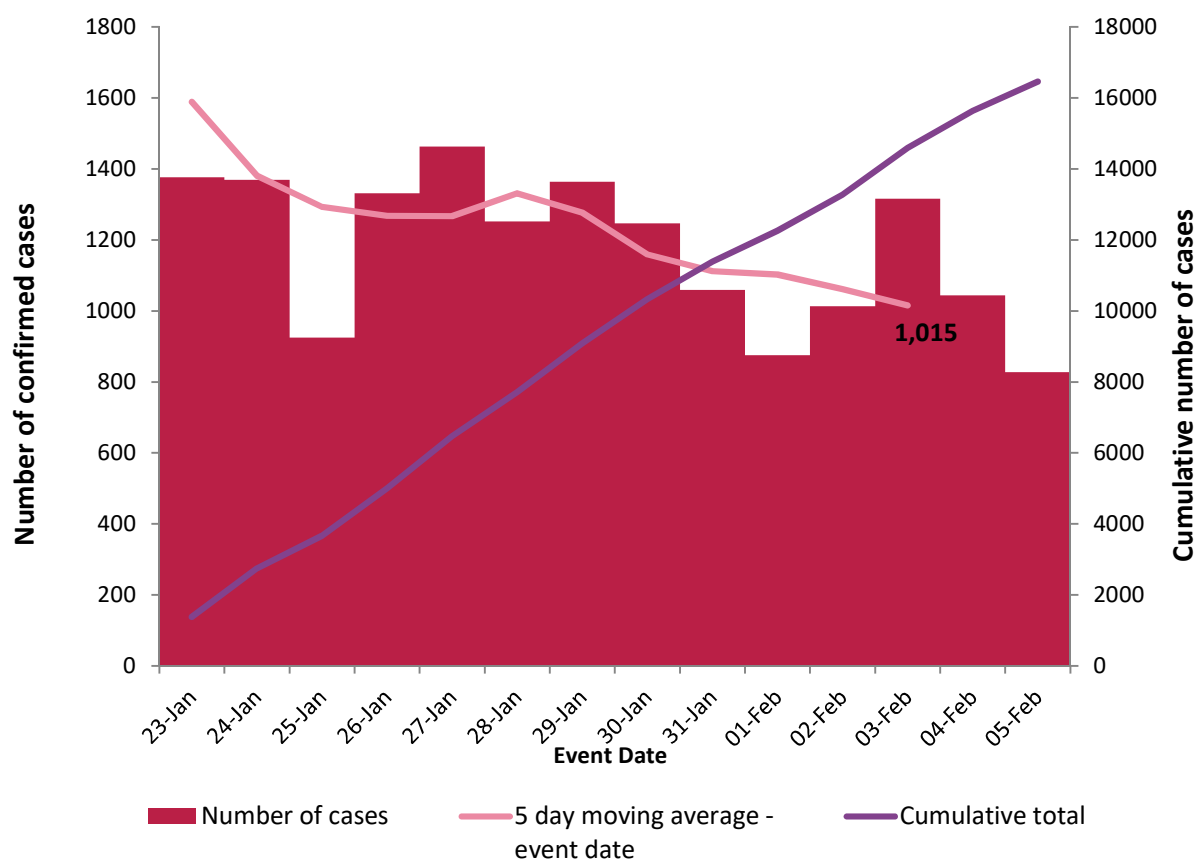


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=16,458)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 23/01/2021 up to midnight on 05/02/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		16,458	100
Sex	Male:Female ratio	0.89	
	Male	7,743	47.05
	Female	8,700	52.86
	Unknown	15	0.09
Age	Median age (years)	40	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	490	2.98
	5-12 yrs	716	4.35
	13-18 yrs	930	5.65
	19-24 yrs	1,737	10.55
	25-34 yrs	2,680	16.28
	35-44 yrs	2,793	16.97
	45-54 yrs	2,522	15.32
	55-64 yrs	1,815	11.03
	65-74 yrs	971	5.9
	75-84 yrs	922	5.6
	85+ yrs	874	5.31
	Unknown	8	0.05
Symptom status at time of test*	Yes	10,471	63.62
	No	2,413	14.66
	Unknown	3,574	21.72

*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.

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 23/01/2021 to midnight 05/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,405	359.1
CHO2	1482	327.1
CHO3	1051	273.0
CHO4	1,794	259.8
CHO5	1,965	385.0
CHO6	1278	333.5
CHO7	2,410	340.5
CHO8	2,200	355.3
CHO9	2,873	462.3
Unknown	0	
Total	16,458	345.6

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 23/01/2021 to midnight 05/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (23/01/2021-05/02/2021)
Monaghan	480	781.9	29
Carlow	291	511.1	20
Waterford	586	504.4	37
Louth	642	498.1	40
Wexford	741	494.9	49
Dublin	5554	412.2	356
Mayo	510	390.8	30
Offaly	291	373.3	17
Meath	674	345.6	42
Galway	887	343.7	64
Limerick	629	322.7	43
Donegal	500	314.1	30
Kildare	673	302.5	53
Laois	245	289.3	17
Longford	118	288.7	6
Cork	1563	287.9	103
Sligo	173	264.0	11
Cavan	201	263.9	13
Westmeath	221	249.0	15
Tipperary	377	236.3	18
Wicklow	334	234.5	22
Clare	225	189.4	12
Leitrim	59	184.1	4
Kilkenny	168	169.3	12
Kerry	231	156.4	13
Roscommon	85	131.7	5
Total	16,458	345.6	1062

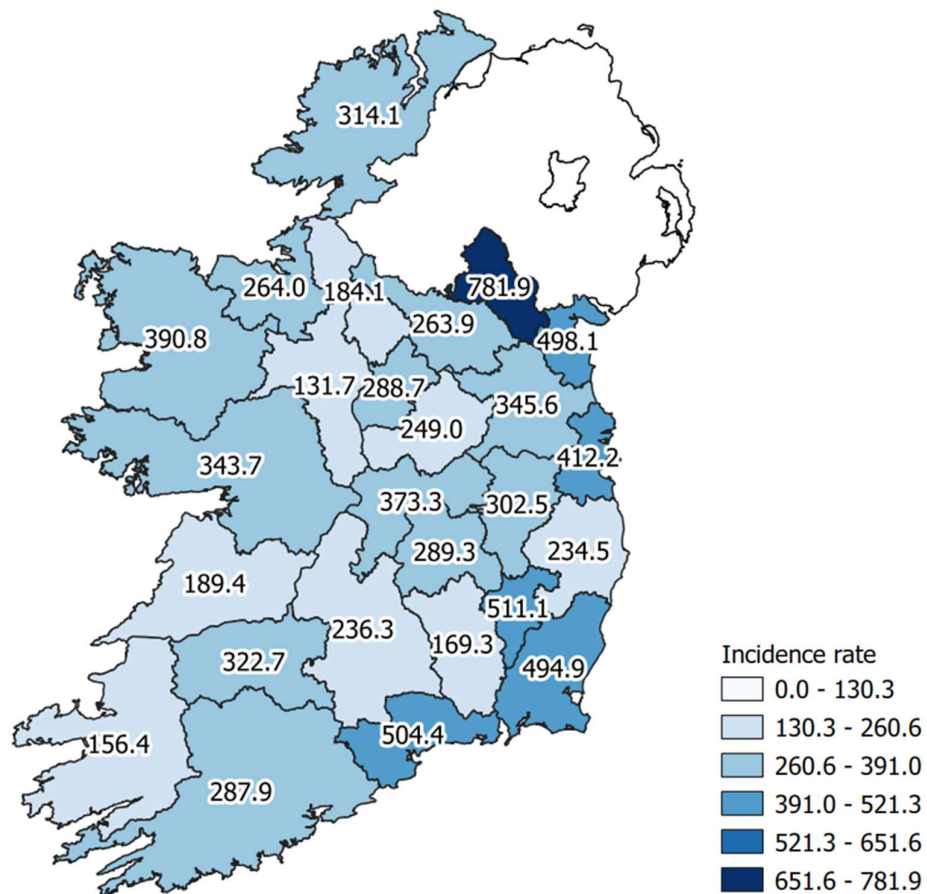


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 23/01/2021 and 05/02/2021

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 and incidence of confirmed COVID-19 cases by Dublin Local Health Offices (LHOs) notified in Ireland with a notification date between 23/01/2021 and 05/02/2021

CCA	Local Health Office	Number of cases in past 14 days based on notification date	14 day incidence rates based on notification dates
CCA1	Dublin South	329	241.8
CCA2	Dublin South East	623	503.6
CCA3	Dublin South City	370	246.8
CCA4	Dublin South West	562	349.3
CCA5	Dublin West	797	513.1
CCA6	Dublin North West	1196	575.9
CCA7	Dublin North Central	830	536.9
CCA8	Dublin North	847	326.8
Dublin		5554	412.2

Note: Local health offices (LHOs) came into operation on 1st September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE Health Atlas and are not a direct match to the corresponding CCAs.

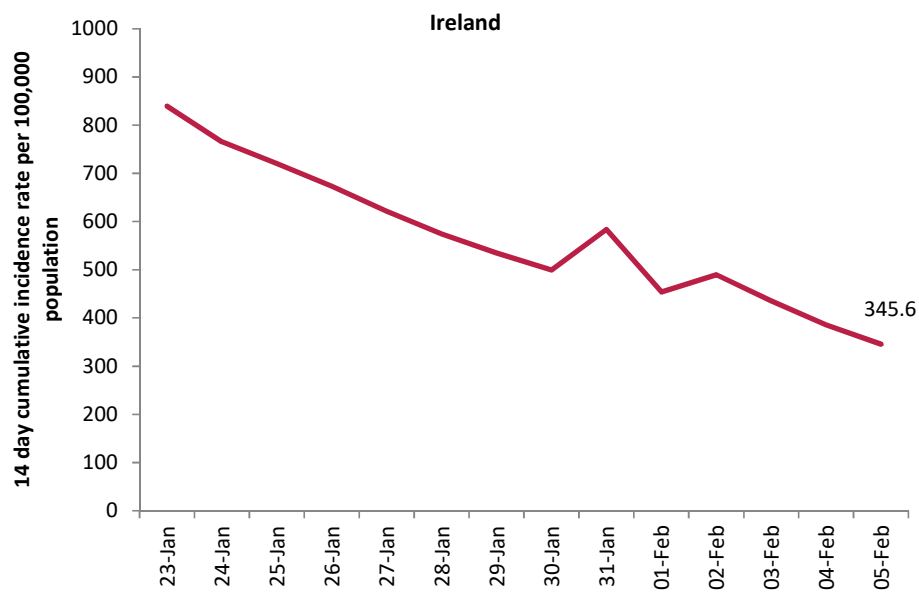


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (23/01/2021 to 05/02/2021)

*14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 5 of this report

Table 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 23/01/2021 to midnight 05/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	89	0.54%
Close contact with a known confirmed case	6162	37.44%
Healthcare setting acquired: patient	1292	7.85%
Healthcare setting acquired: staff	1054	6.40%
Community transmission	3077	18.70%
Under investigation	4784	29.07%
Total cases with known most likely transmission source	11674	
Total	16458	100.00%

*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

Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 23/01/2021 to midnight 05/02/2021 by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	490	15	1.2	0	0.0
5-12 yrs	716	13	1.04	0	0.0
13-18 yrs	930	18	1.44	1	2.0
19-24 yrs	1737	53	4.24	1	2.0
25-34 yrs	2680	111	8.88	5	10.2
35-44 yrs	2793	87	6.96	4	8.2
45-54 yrs	2522	129	10.32	6	12.2
55-64 yrs	1815	161	12.88	13	26.5
65-74 yrs	971	188	15.04	15	30.6
75-84 yrs	922	266	21.28	3	6.1
85+ yrs	874	208	16.64	1	2.0
Unknown	8	1	0.08	0	0
Total	16,458	1250	100	49	100

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

Deaths among COVID-19 cases

Table 8: Summary of deaths in all COVID-19 cases notified in Ireland from 23/01/2021 up to midnight 05/02/2021

	Number	Percent
Total number of deaths	142	
Confirmed	137	96.5
Possible	5	3.5
Total number of cases hospitalised	65	45.8
Total number of male cases	66	46.5
M:F ratio	0.87	
Median age (years)	85	
Mean age (years)	83	
Age range (years)	19 - 101	

Table 9: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 23/01/2021 up to midnight 05/02/2021

Age group	Female	Male	Total	Percent
19-24 yrs		*	1	0.7
35-44 yrs	*	*	2	1.4
55-64 yrs	*	*	4	2.8
65-74 yrs	5	10	15	10.6
75-84 yrs	23	22	45	31.7
85+ yrs	44	31	75	52.8
Total	76	66	142	100
Percent	53.5	46.5		

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 at 12:50 on 06/02/2021. 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. Epidemiological date

Epidemiological date is derived from the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date and event creation/notification date.

3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-14 years, 15-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

3. Transmission classification

Transmission classification is based on country of infection as well as enhanced exposure data (international travel; close contact of a case) recorded in CIDR. Transmission is classified as 'unknown' due to incomplete data on CIDR.

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.

WHO definition of transmission classification is specified below:

- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.

4. HSE areas

The counties covered by each HSE area are as follows:

- HSE East (E): Dublin, Kildare & Wicklow;
- HSE Midlands (M): Laois, Longford, Offaly & Westmeath;
- HSE Midwest (MW): Clare, Limerick & N. Tipperary;
- HSE Northeast (NE): Cavan, Louth, Meath & Monaghan;
- HSE Northwest (NW): Donegal, Leitrim & Sligo;
- HSE South (S): Kerry & Cork;
- HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;
- HSE West (W): Galway, Mayo & Roscommon.

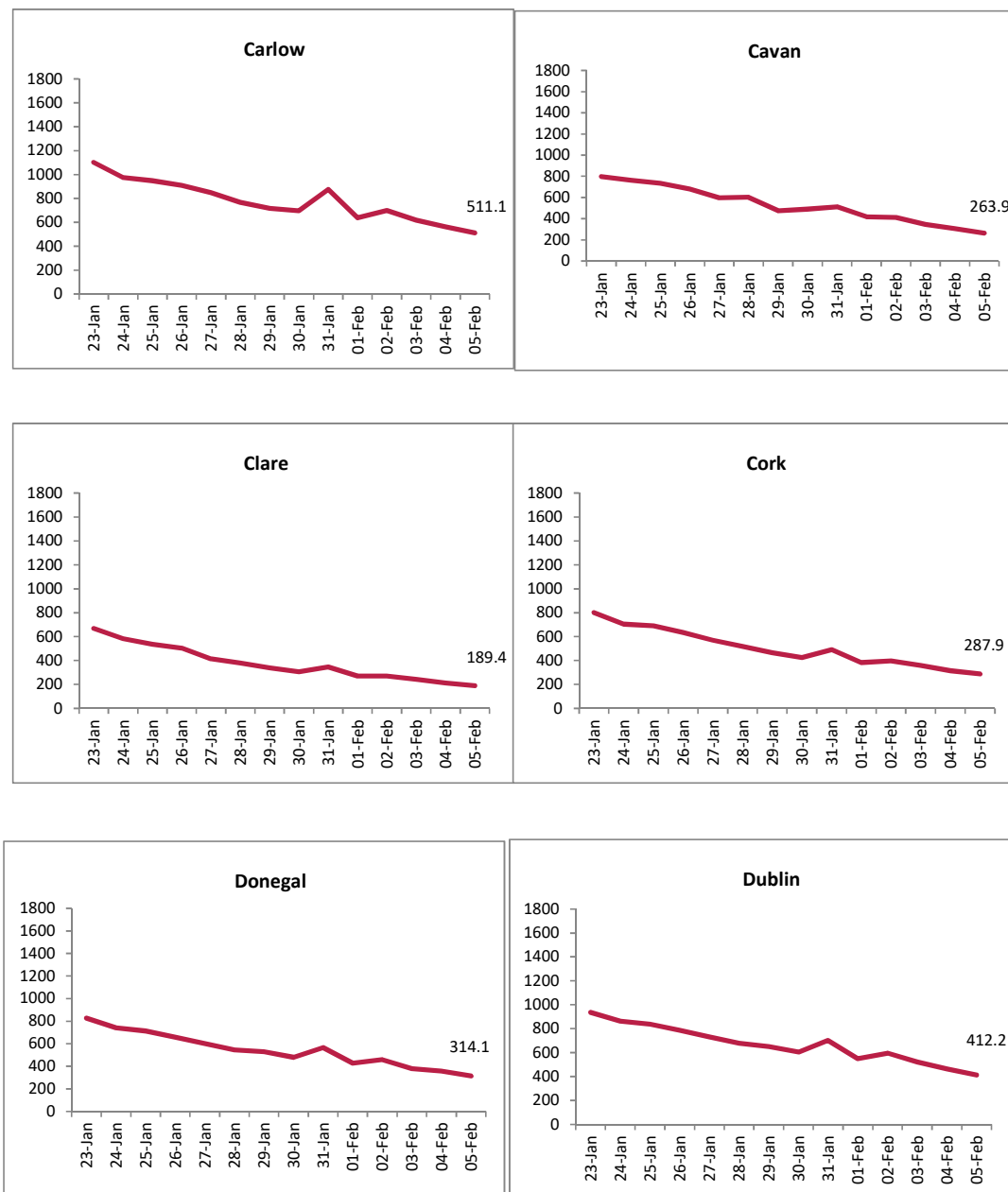
5. Outbreak location

Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

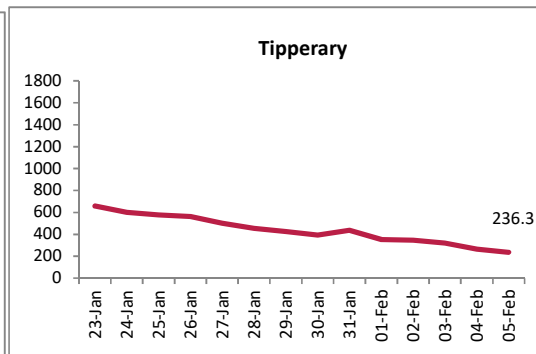
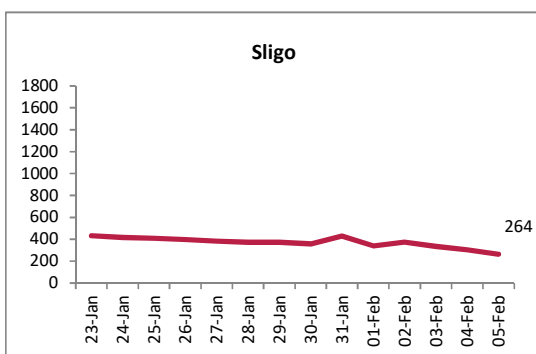
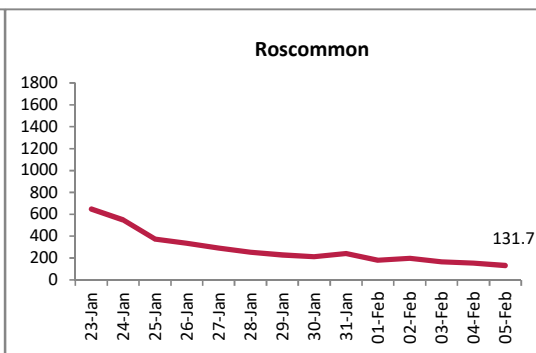
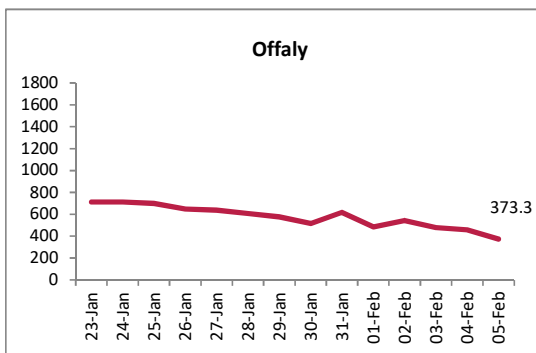
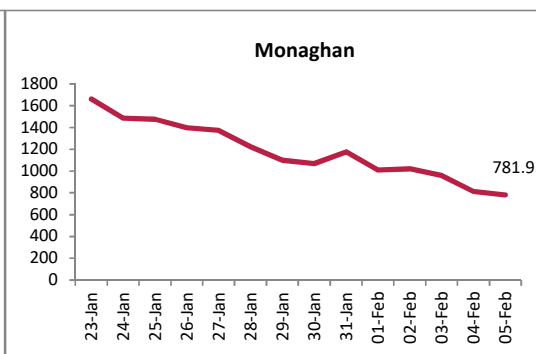
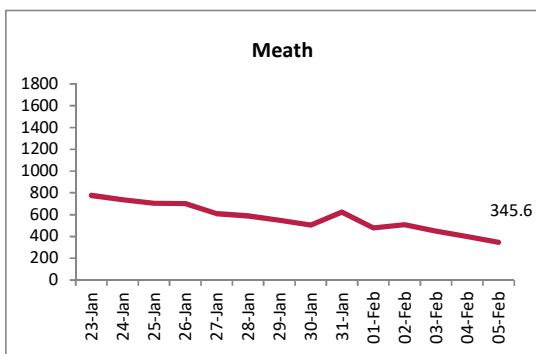
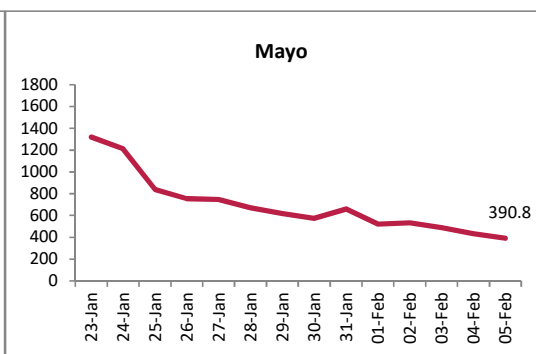
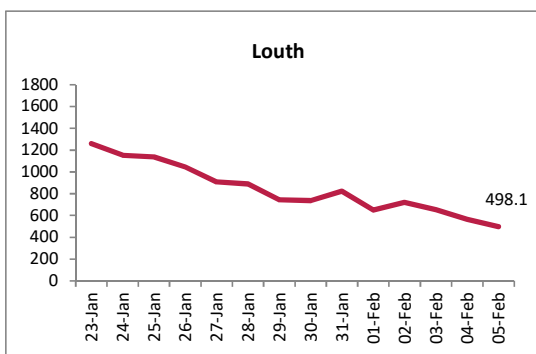
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (23/01/2021 to 05/02/2021)







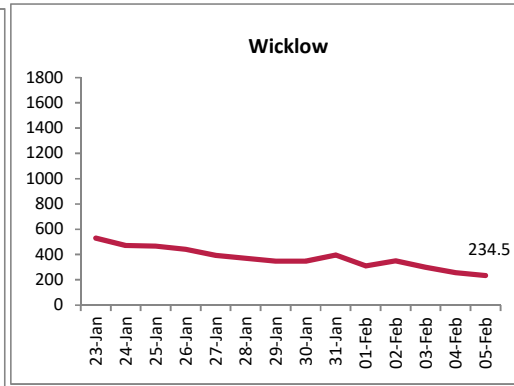
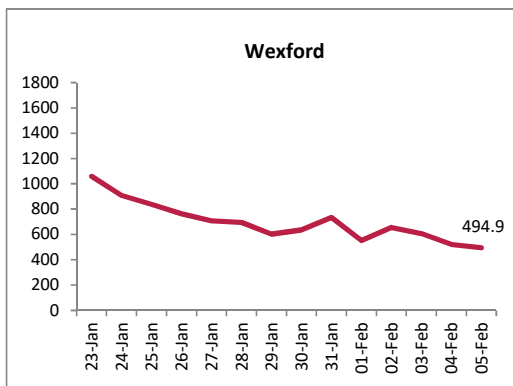
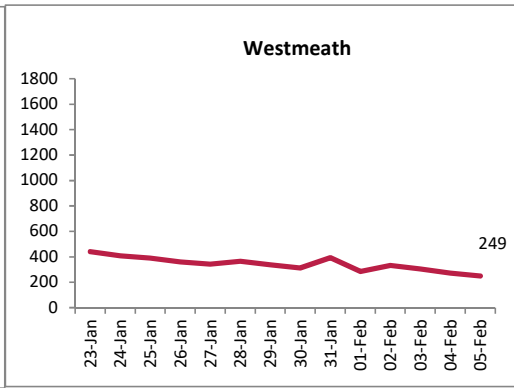
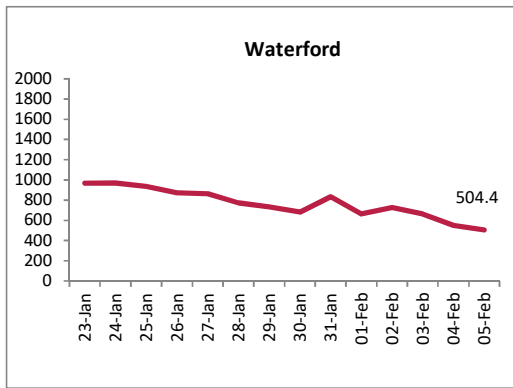
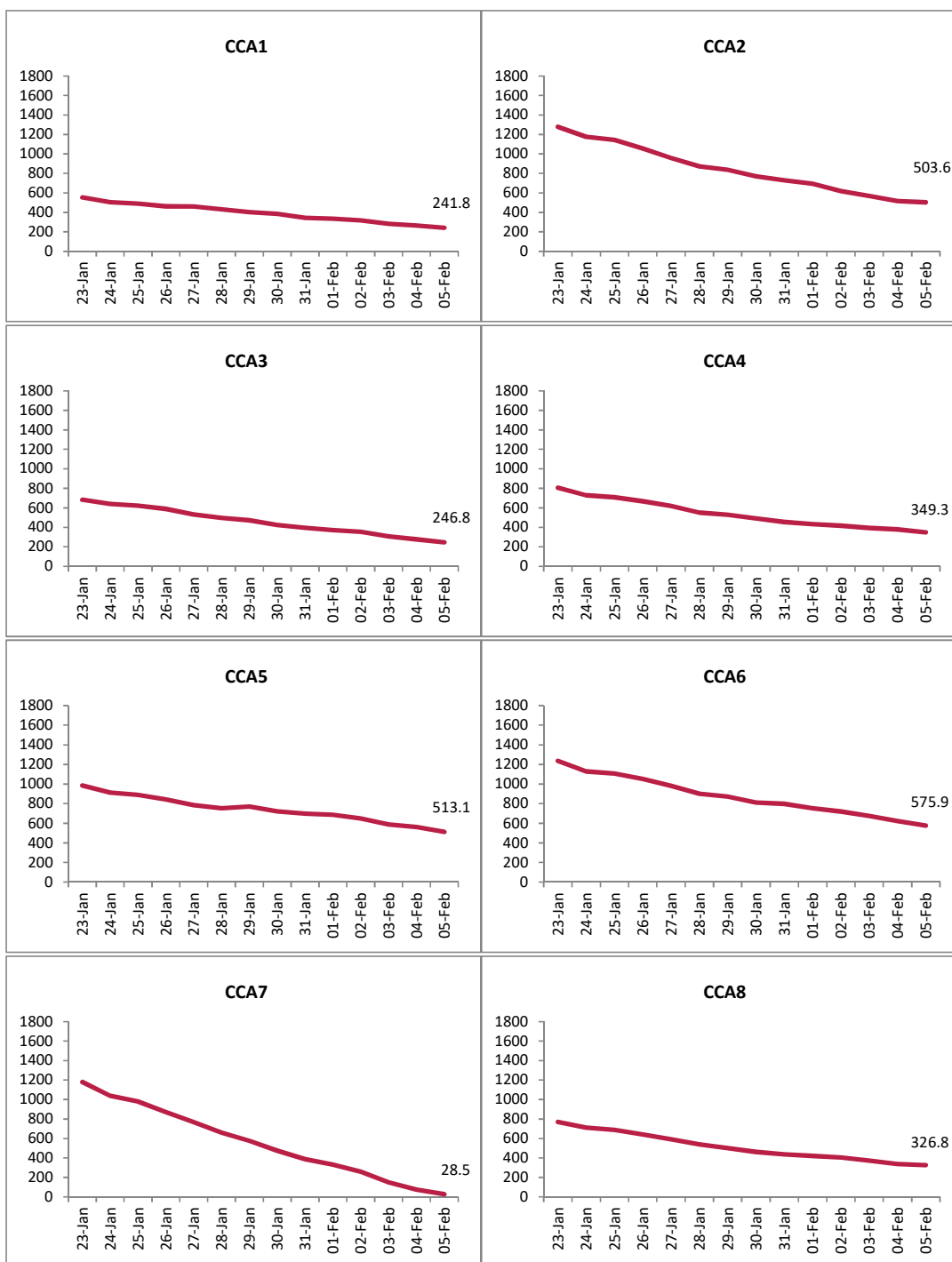


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (23/01/2021 to 05/02/2021)



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