



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 23/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 09/01/2021 up to midnight 22/01/2021

	Number	Percent
Total number of confirmed cases	45,500	
National incidence of confirmed cases per 100,000 population	955.51	
Number of cases hospitalised*	2,530	5.56
Number of cases admitted to ICU*	144	0.32
Number of deaths among confirmed cases	297	0.65
Case fatality ratio (CFR, %)	0.65	
National incidence of confirmed deaths per 100,000 population	6.24	
Number of cases** associated with clusters	3,842	8.44
Number of imported cases	9	0.02
Number of cases in healthcare workers	5,038	11.07
Males	21,110	46.4
Females	24,357	53.53
M:F ratio	0.87	
Median age (years)	41	
Mean age (years)	42	
Age range (years)	0 - 104	

* 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
09/01/2021 - 22/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:58 on 23/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

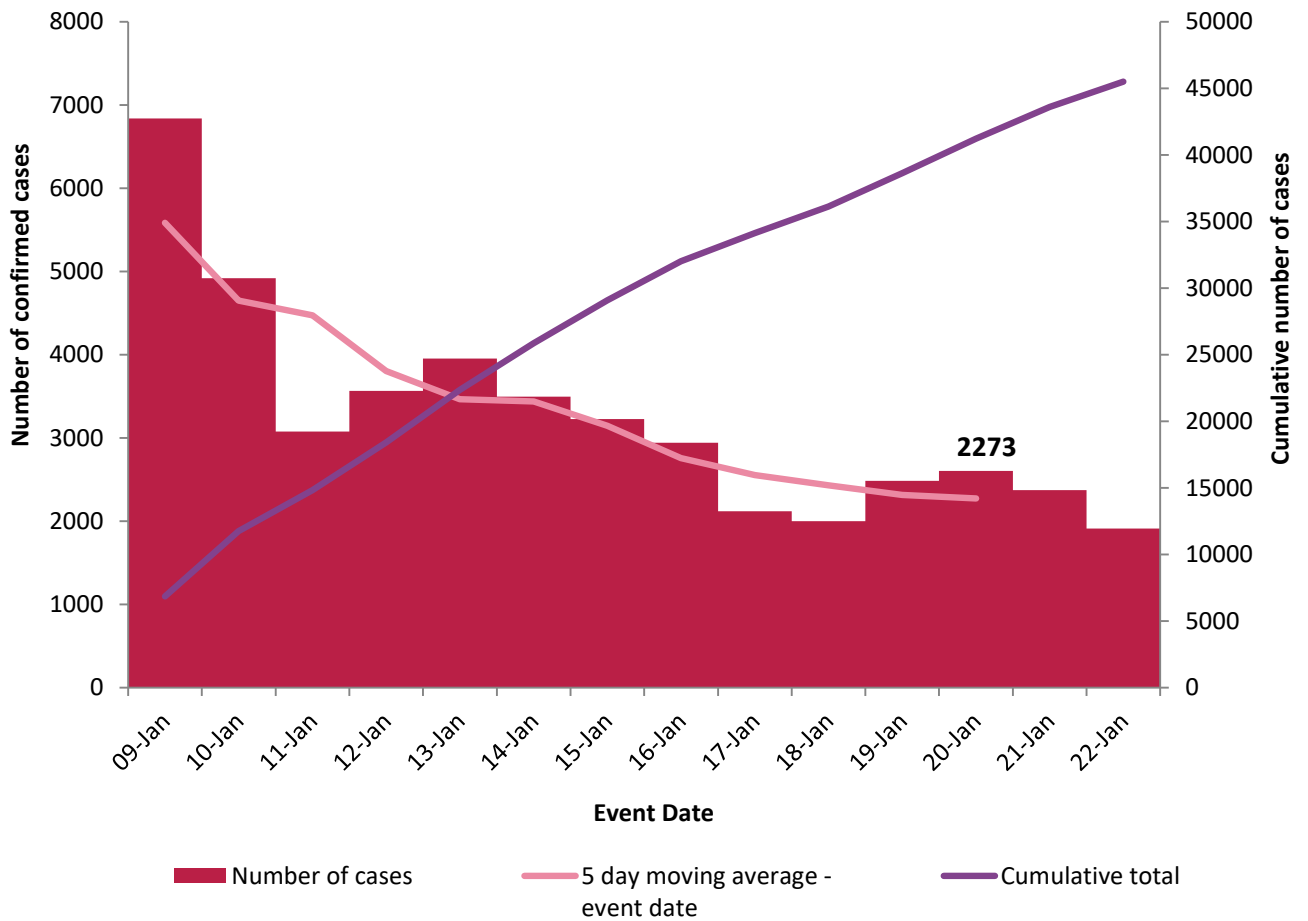


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=45,500)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 09/01/2021 up to midnight on 22/01/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		45,500	100
Sex	Male:Female ratio	0.87	
	Male	21,110	46.4
	Female	24,357	53.53
	Unknown	33	0.07
Age	Median age (years)	41	
	Mean age (years)	42	
	Age range (years)	0 - 104	
	0-4 yrs	926	2.04
	5-12 yrs	1,456	3.2
	13-18 yrs	2,516	5.53
	19-24 yrs	5,022	11.04
	25-34 yrs	7,973	17.52
	35-44 yrs	7,641	16.79
	45-54 yrs	7,474	16.43
	55-64 yrs	5,700	12.53
	65-74 yrs	2,791	6.13
	75-84 yrs	2,247	4.94
	85+ yrs	1,707	3.75
	Unknown	47	0.1
Underlying clinical conditions	Yes	2,167	4.76
	No	32,801	72.09
	Unknown	10,532	23.15
Symptom status at time of test*	Yes	29,781	65.45
	No	4,657	10.24
	Unknown	11,062	24.31

*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 09/01/2021 to midnight 22/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	3,649	932.6
CHO2	4564	1007.3
CHO3	3742	972.0
CHO4	5,883	851.9
CHO5	5,405	1059.1
CHO6	3487	910.0
CHO7	6,139	867.4
CHO8	5,364	866.2
CHO9	7,265	1169.1
Unknown	2	
Total	45,500	955.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 09/01/2021 to midnight 22/01/2021

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1097	1787.1
Louth	1827	1417.6
Mayo	1778	1362.4
Carlow	737	1294.5
Wexford	1911	1276.4
Waterford	1381	1188.7
Limerick	2276	1167.8
Dublin	14306	1061.8
Cork	5065	933.0
Donegal	1475	926.6
Galway	2361	914.9
Cavan	673	883.5
Meath	1666	854.2
Clare	993	835.7
Kildare	1749	786.1
Tipperary	1254	785.9
Laois	658	776.9
Offaly	585	750.4
Roscommon	425	658.5
Kilkenny	602	606.7
Wicklow	836	587.0
Kerry	818	553.8
Westmeath	434	488.9
Sligo	303	462.3
Longford	188	460.0
Leitrim	102	318.3
Total	45,500	955.5

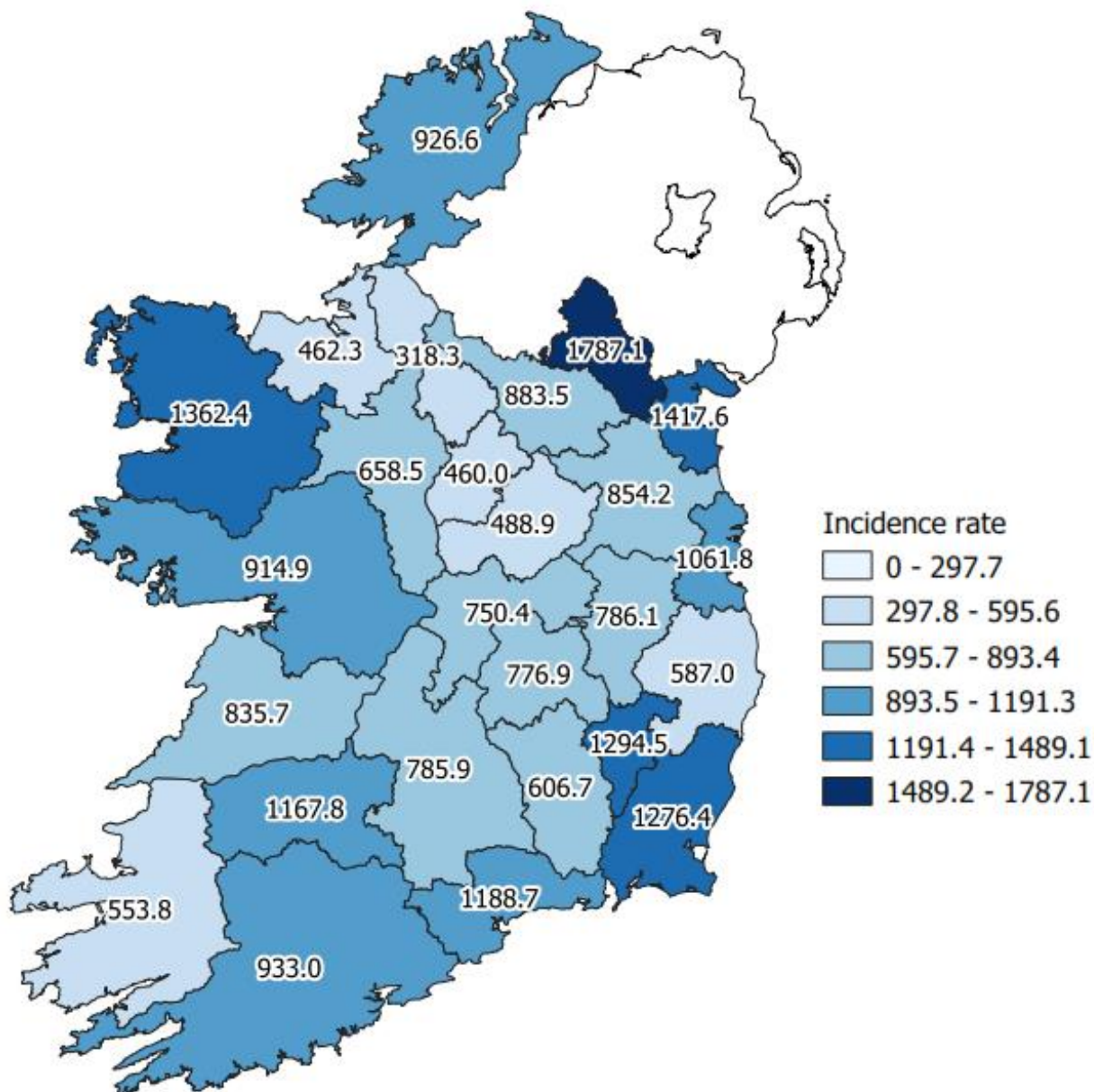


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 09/01/2021 and 22/01/2021

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 09/01/2021 and 22/01/2021

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	868	637.9
CCA2	Dublin South East	1,811	1464.0
CCA3	Dublin South City	1,150	767.0
CCA4	Dublin South West	1,474	916.1
CCA5	Dublin West	1,738	1118.8
CCA6	Dublin North West	2,888	1390.7
CCA7	Dublin North Central	2,122	1372.7
CCA8	Dublin North	2,255	870.1
	Dublin	14,306	1061.8

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.

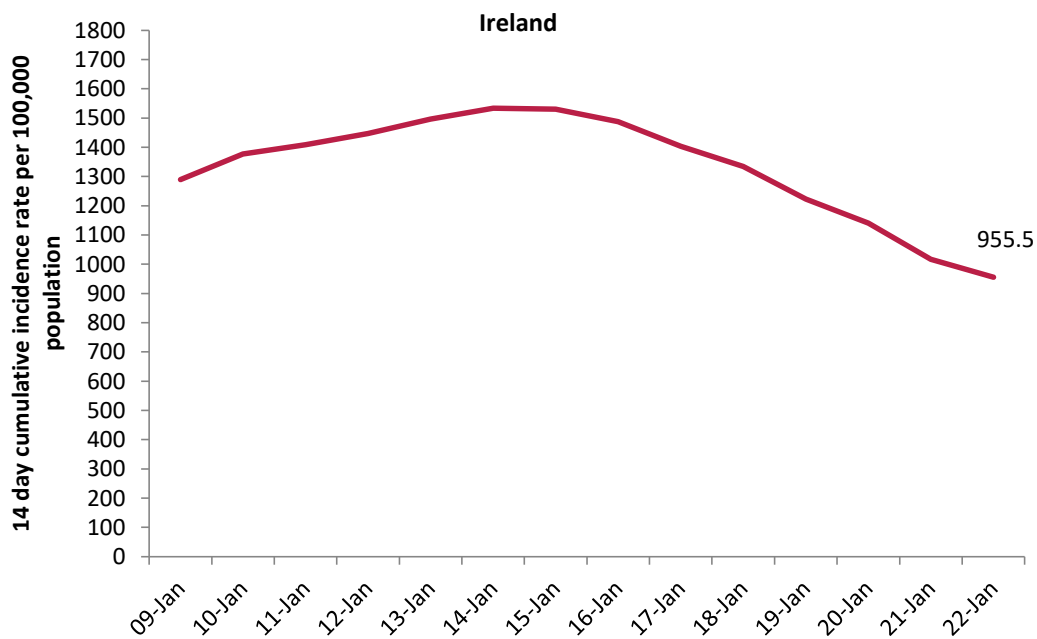


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (09/01/2021 to 22/01/2021)

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 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 09/01/2021 to midnight 22/01/2021

Most likely transmission source	Number of cases	Percent
Travel related	175	0.38%
Close contact with a known confirmed case	15302	33.63%
Healthcare setting acquired: patient	2115	4.65%
Healthcare setting acquired: staff	2175	4.78%
Community transmission	7401	16.27%
Under investigation	18332	40.29%
Total cases with known most likely transmission source	27168	59.71%
Total	45,500	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 09/01/2021 to midnight 22/01/2021 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	926	20	0.79	0	0
5-12 yrs	1456	15	0.59	0	0
13-18 yrs	2516	31	1.23	0	0
19-24 yrs	5022	92	3.64	0	0
25-34 yrs	7973	160	6.32	5	3.47
35-44 yrs	7641	190	7.51	10	6.94
45-54 yrs	7474	255	10.08	29	20.14
55-64 yrs	5700	343	13.56	34	23.61
65-74 yrs	2791	405	16.01	36	25.00
75-84 yrs	2247	614	24.27	25	17.36
85+ yrs	1707	405	16.01	5	3.47
Unknown	47			0	0
Total	45,500	2,530	100	144	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 7: Summary of deaths in all COVID-19 cases notified in Ireland from 09/01/2021 up to midnight 22/01/2021

	Number	Percent
Total number of deaths	303	
Confirmed	297	98.02
Probable	3	0.99
Possible	3	0.99
Total number of cases hospitalised	154	50.83
Total number of male cases	161	53.14
M:F ratio	1.13	
Median age (years)	83	
Mean age (years)	81	
Age range (years)	39 - 103	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 09/01/2021 up to midnight 22/01/2021

Age group (years)	Female	Male	Total	Percent
35-54 yrs	*	*	8	2.64
55-64 yrs	5	10	15	4.95
65-74 yrs	18	32	50	16.50
75-84 yrs	40	69	109	35.97
85+ yrs	77	44	121	39.93
Total	142	161	303	100
Percent	46.86	53.14		

*One or both values <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 09:58 on 23/01/2021. 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. 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;

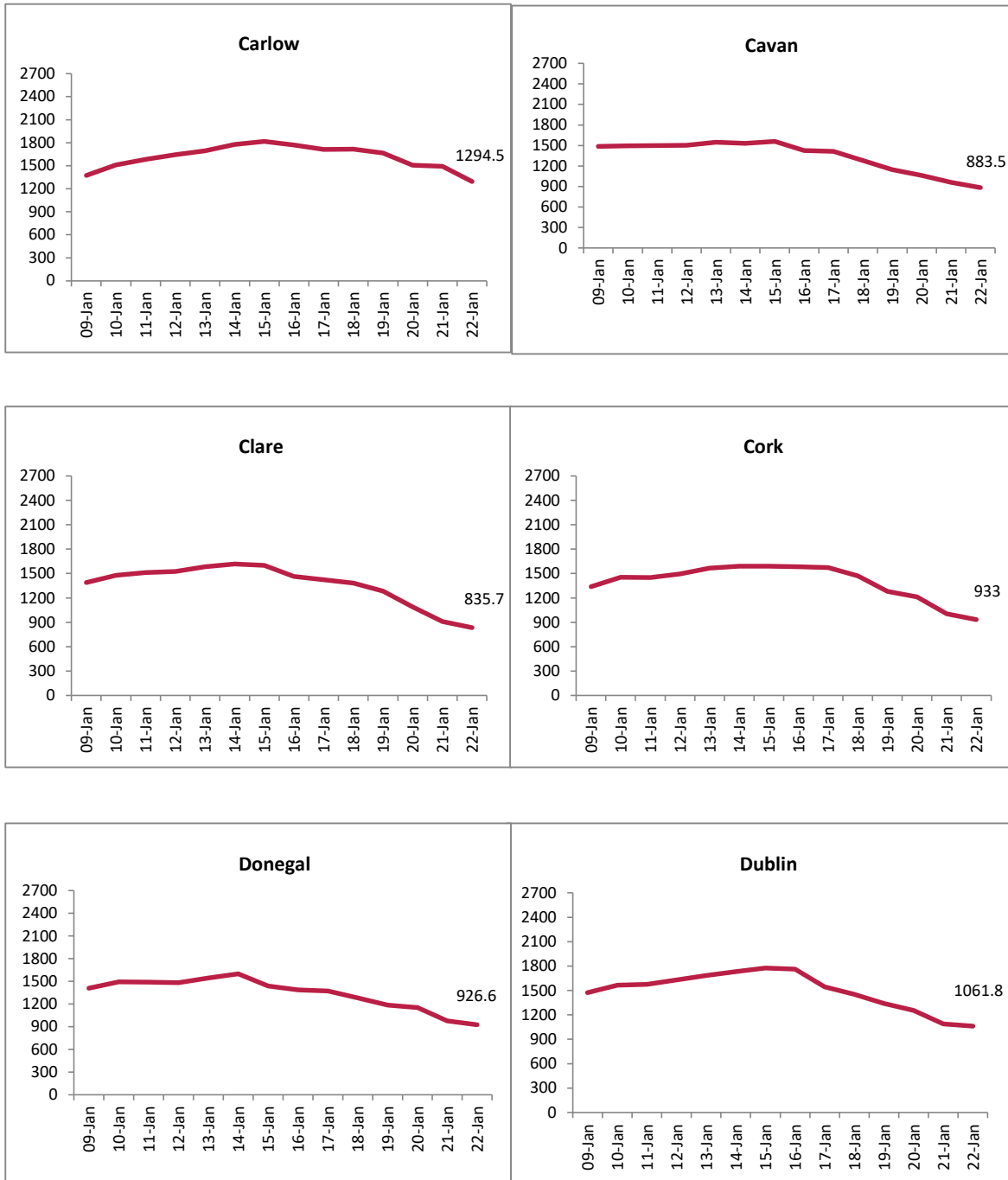
HSE South (S): Kerry & Cork;

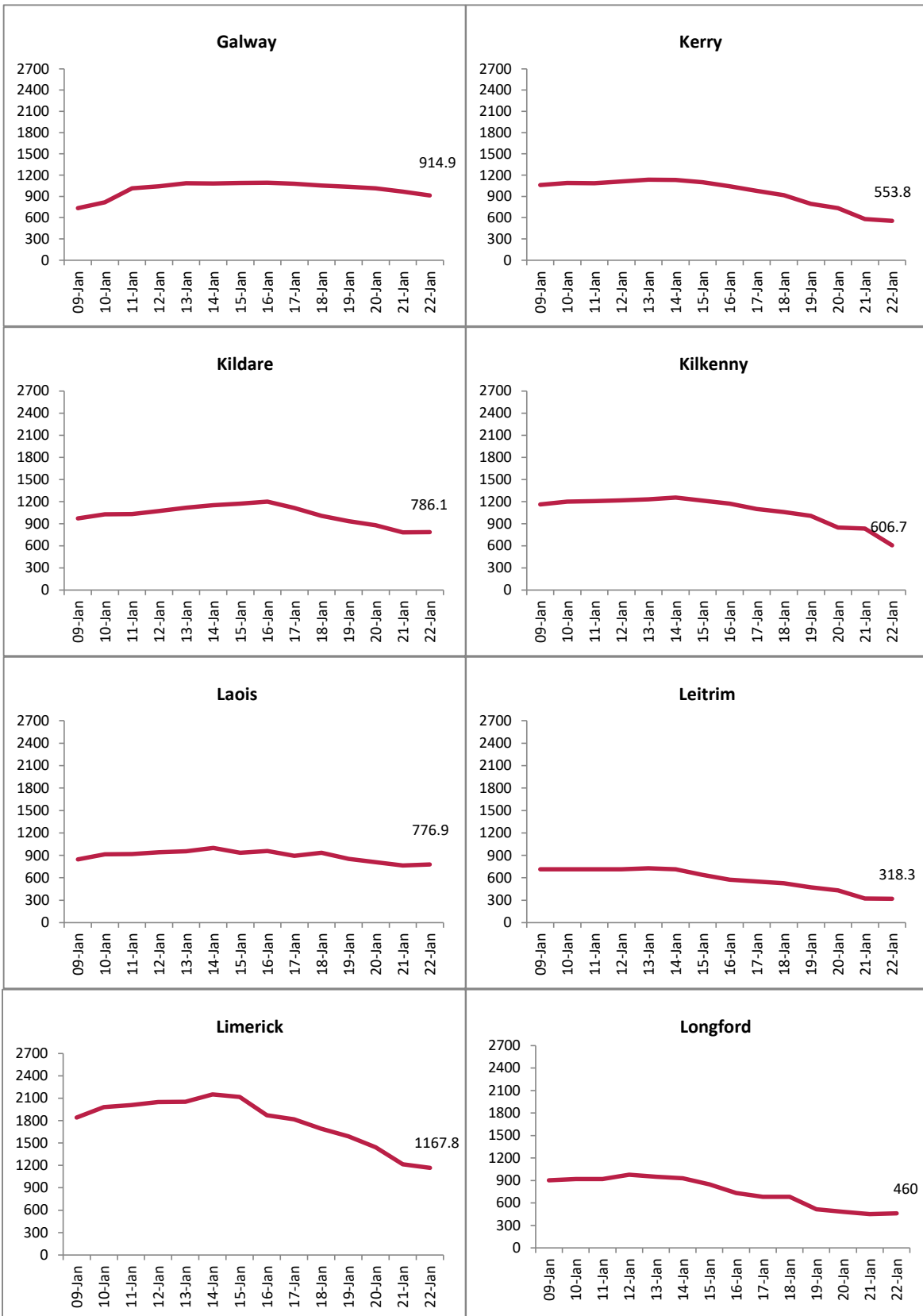
HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;

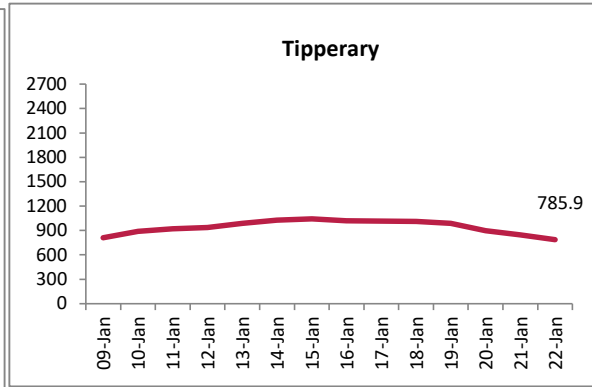
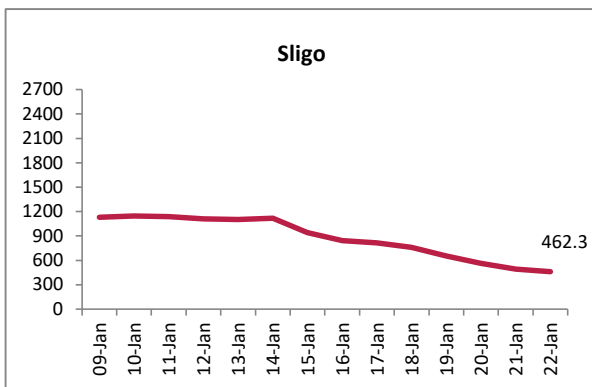
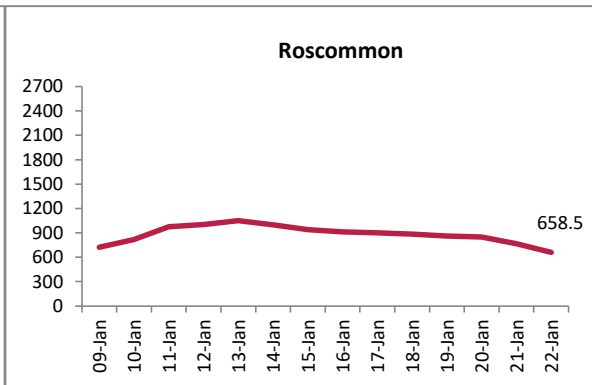
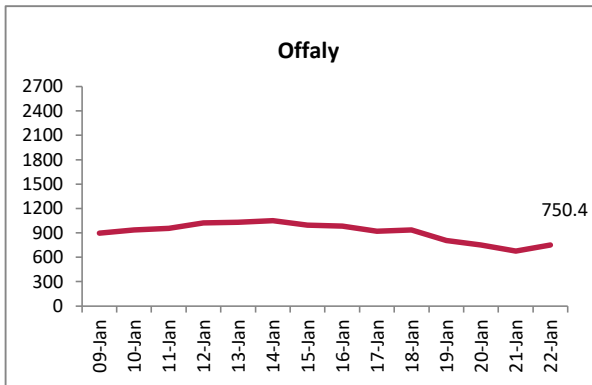
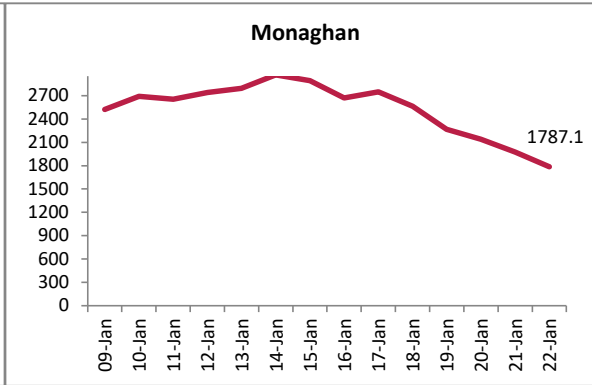
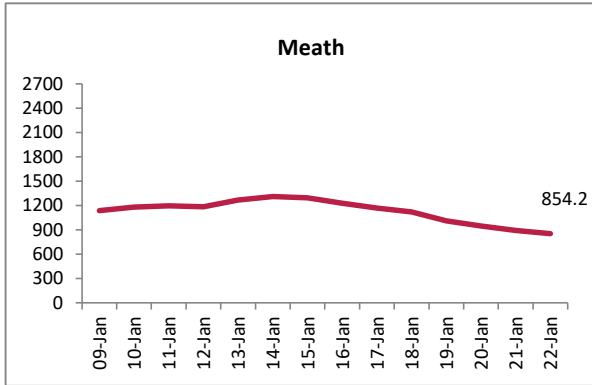
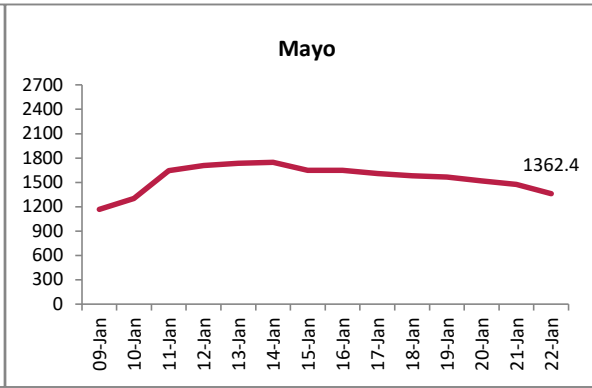
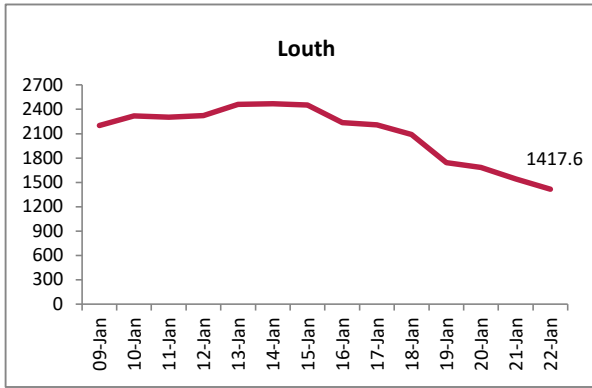
HSE West (W): Galway, Mayo & Roscommon.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (09/01/2021 to 22/01/2021)







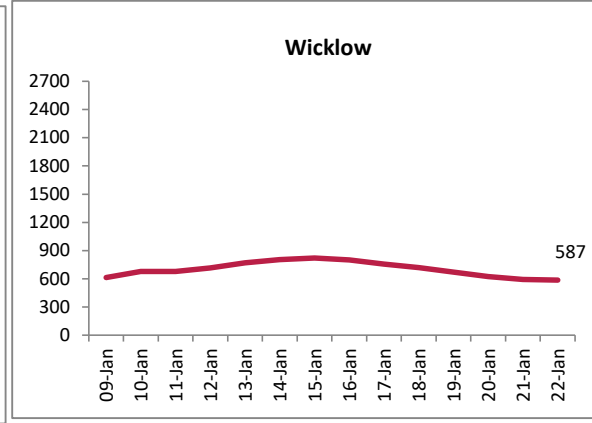
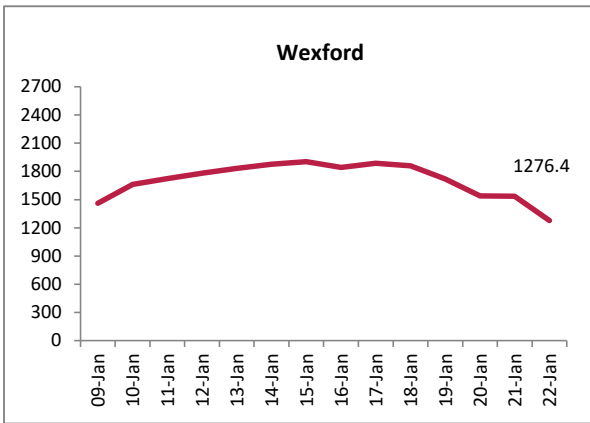
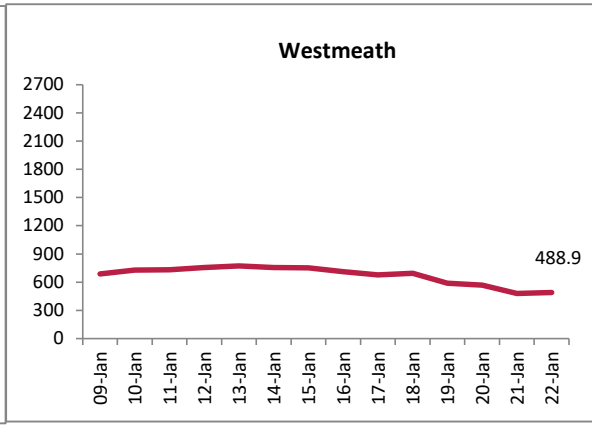
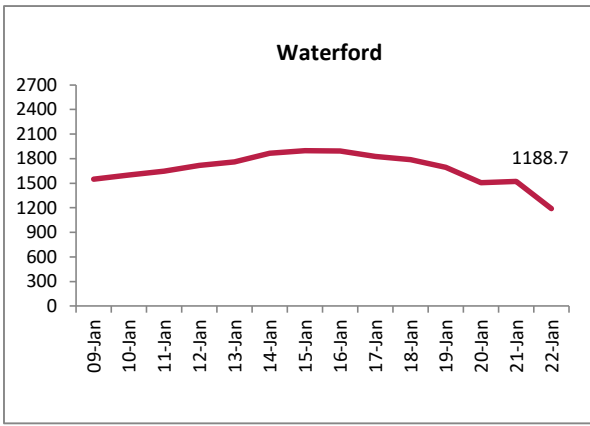


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (09/01/2021 to 22/01/2021)

