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Epidemiology of COVID-19 in Ireland - 14 day report Report prepared by HPSC on 08/02/2021

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Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 08/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 25/01/2021 up to midnight 07/02/2021

	Number	Percent
Total number of confirmed cases	15,566	
National incidence of confirmed cases per 100,000 population	326.89	
Number of cases hospitalised*	1,182	7.59
Number of cases admitted to ICU*	44	0.28
Number of deaths among confirmed cases	106	0.68
Case fatality ratio (CFR, %)	0.68	
National incidence of confirmed deaths per 100,000 population	2.23	
Number of cases** associated with clusters	2,224	14.29
Number of imported cases	6	0.04
Number of cases in healthcare workers	1,746	11.22
Males	7,376	47.39
Females	8,176	52.52
M:F ratio	0.9	
Median age (years)	40	
Mean age (years)	42	
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
25/01/2021 - 07/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:06 on 08/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

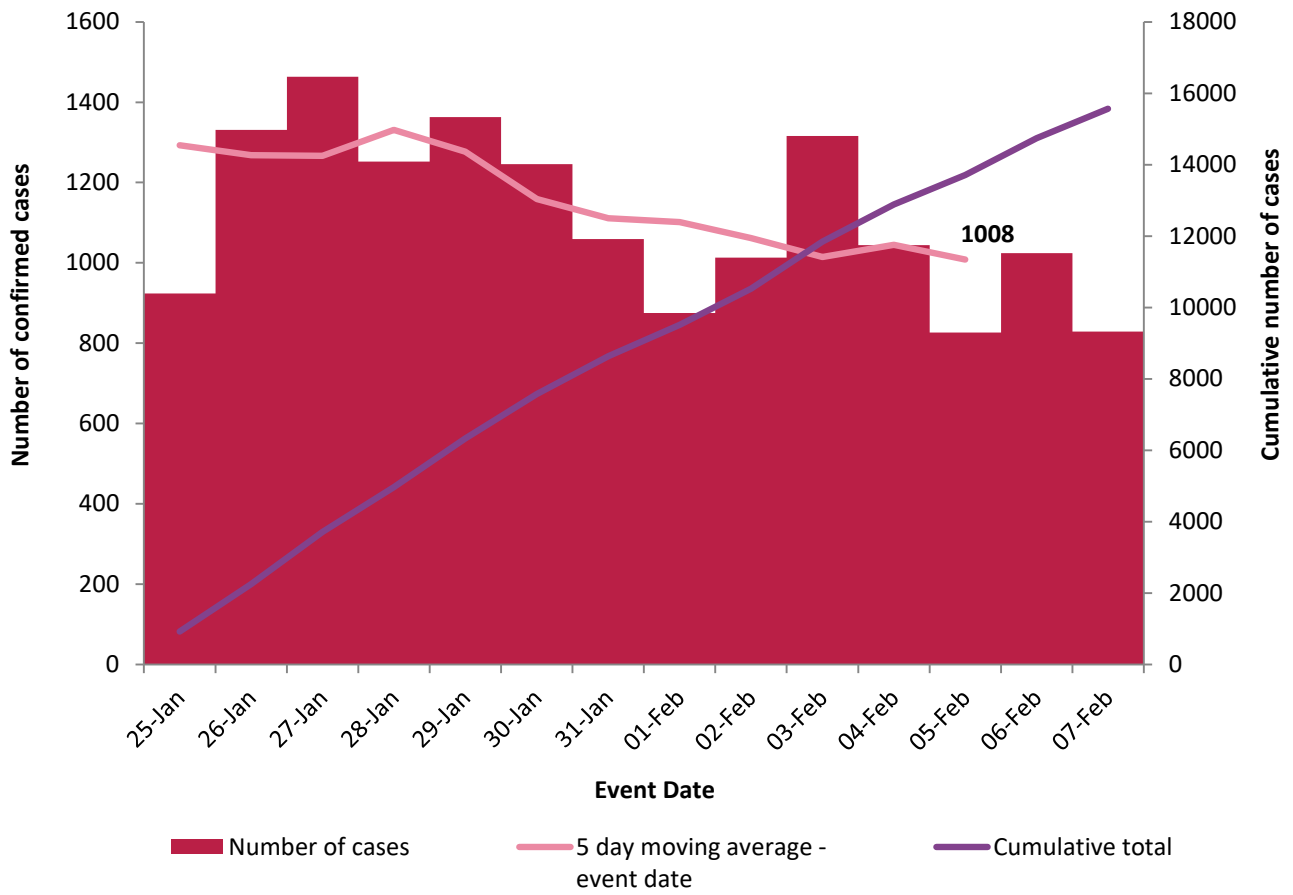


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=15,566)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 25/01/2021 up to midnight on 07/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		15,566	100
Sex	Male:Female ratio	0.9	
	Male	7,376	47.39
	Female	8,176	52.52
	Unknown	14	0.09
Age	Median age (years)	40	
	Mean age (years)	42	
	Age range (years)	0 - 105	
	0-4 yrs	500	3.21
	5-12 yrs	740	4.75
	13-18 yrs	964	6.19
	19-24 yrs	1,690	10.86
	25-34 yrs	2,476	15.91
	35-44 yrs	2,600	16.7
	45-54 yrs	2,364	15.19
	55-64 yrs	1,651	10.61
	65-74 yrs	916	5.88
	75-84 yrs	862	5.54
	85+ yrs	795	5.11
	Unknown	8	0.05
Symptom status at time of test*	Yes	9,883	63.49
	No	2,432	15.62
	Unknown	3,251	20.89

*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 25/01/2021 to midnight 07/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,321	337.6
CHO2	1,429	315.4
CHO3	991	257.4
CHO4	1,571	227.5
CHO5	1,732	339.4
CHO6	1,278	333.5
CHO7	2,315	327.1
CHO8	2,089	337.3
CHO9	2,826	454.8
Unknown	14	
Total	15,566	326.9

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 25/01/2021 to midnight 07/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (03/02/2021-07/02/2021)
Monaghan	425	692.3	27
Carlow	288	505.9	21
Waterford	519	446.7	29
Louth	573	444.6	30
Wexford	606	404.8	37
Dublin	5,440	403.8	356
Mayo	475	364.0	27
Meath	679	348.1	50
Galway	869	336.7	53
Offaly	250	320.7	15
Limerick	616	316.1	44
Donegal	491	308.4	29
Kildare	664	298.4	49
Longford	120	293.6	9
Cavan	216	283.6	19
Laois	238	281.0	18
Cork	1,355	249.6	83
Westmeath	221	249.0	18
Sligo	158	241.1	10
Wicklow	315	221.2	19
Tipperary	340	213.1	17
Clare	206	173.4	13
Leitrim	50	156.0	4
Kilkenny	150	151.2	11
Kerry	217	146.9	14
Roscommon	85	131.7	7
Total	15,566	326.9	1,008

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices* (LHOs) notified in Ireland with a notification date between 25/01/2021 and 07/02/2021

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	334	245.5
CCA2	Dublin South East	636	514.1
CCA3	Dublin South City	357	238.1
CCA4	Dublin South West	533	331.3
CCA5	Dublin West	754	485.4
CCA6	Dublin North West	1,156	556.7
CCA7	Dublin North Central	861	557.0
CCA8	Dublin North	809	312.2
	Dublin	5,440	403.8

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.

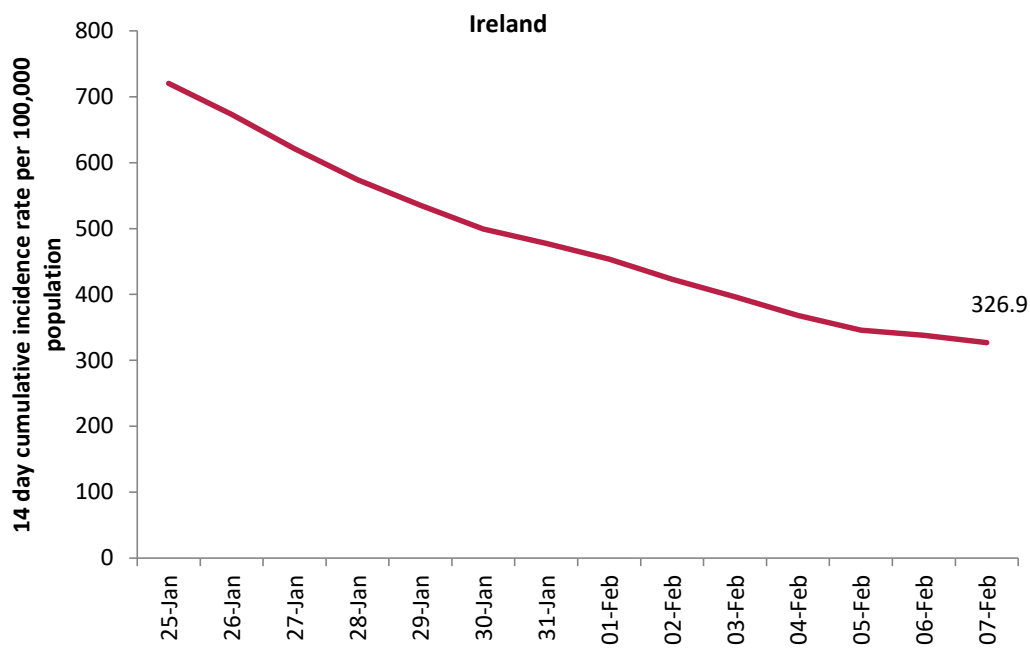


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (25/01/2021 to 07/02/2021)

*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 25/01/2021 to midnight 07/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	81	0.52%
Close contact with a known confirmed case	6,145	39.48%
Healthcare setting acquired: patient	1,236	7.94%
Healthcare setting acquired: staff	903	5.80%
Community transmission	2,950	18.95%
Under investigation	4,251	27.31%
Total cases with known most likely transmission source	11,315	72.69%
Total	15,566	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 25/01/2021 to midnight 07/02/2021 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	500	15	1.27	0	0
5-12 yrs	740	13	1.10	0	0
13-18 yrs	964	14	1.18	0	0
19-24 yrs	1690	49	4.15	<5	
25-34 yrs	2476	99	8.38	<5	
35-44 yrs	2600	83	7.02	5	11.36
45-54 yrs	2364	120	10.15	6	13.64
55-64 yrs	1651	148	12.52	11	25.00
65-74 yrs	916	187	15.82	13	29.55
75-84 yrs	862	250	21.15	<5	
85+ yrs	795	203	17.17	<5	
Unknown	8	1	0.08	0	0
Total	15,566	1182	100	44	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 25/01/2021 up to midnight 07/02/2021

	Number	Percent	
Total number of deaths	111		
	Confirmed	106	95.50
	Possible	5	4.50
Total number of cases hospitalised	54	48.65	
Total number of male cases	54	48.65	
M:F ratio	0.9473684		
Median age (years)	84		
Mean age (years)	82		
Age range (years)	19 - 100		

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 25/01/2021 up to midnight 07/02/2021

Age group (years)	Female	Male	Total	Percent
19-64 yrs	*	*	5	4.5
65-74 yrs	5	8	13	11.71
75-84 yrs	19	20	39	35.14
85+ yrs	30	24	54	48.65
Total	57	54	111	100
Percent	51.4	48.6		

*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 08:18 on 03/02/2021. 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. 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. 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.

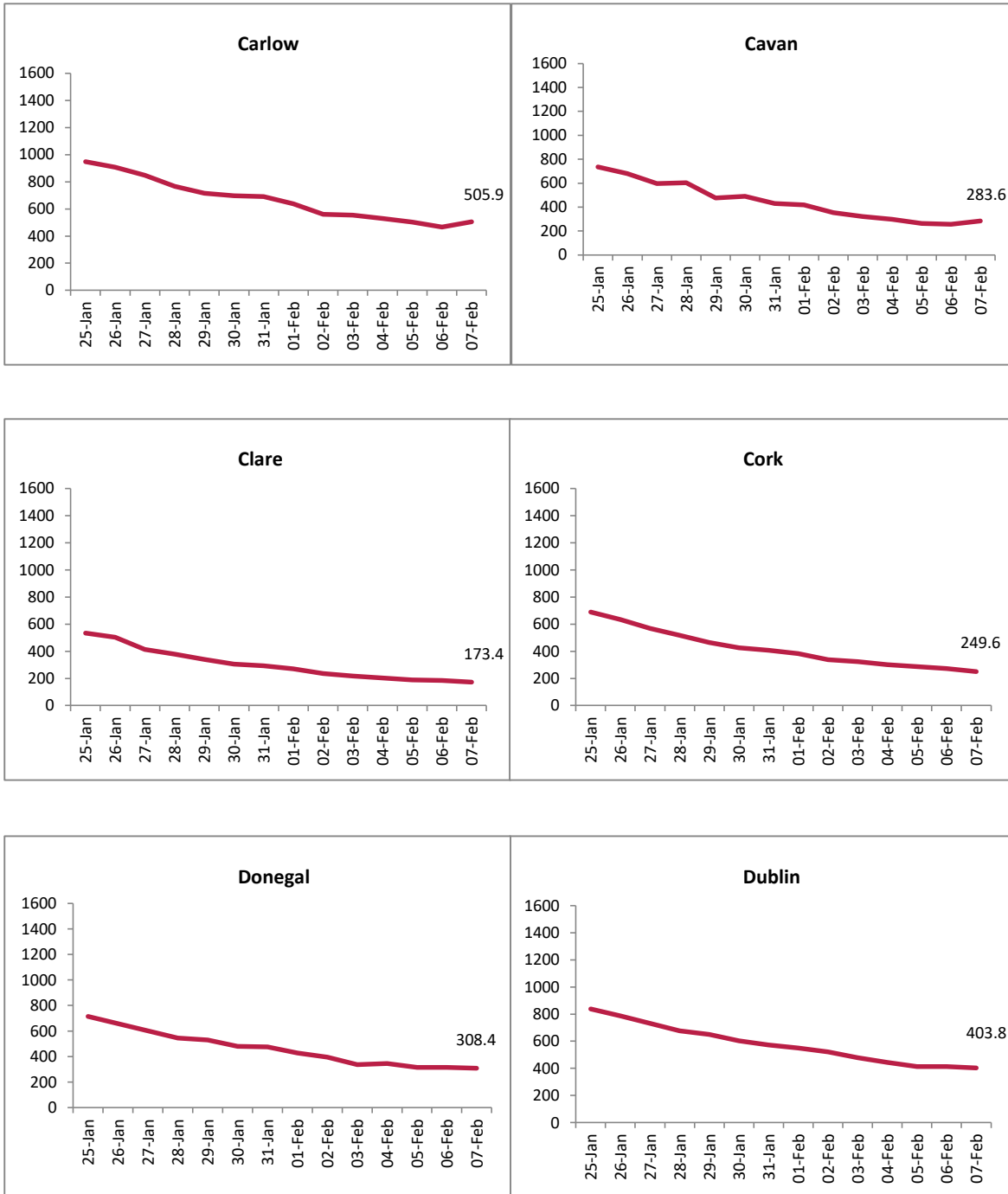
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

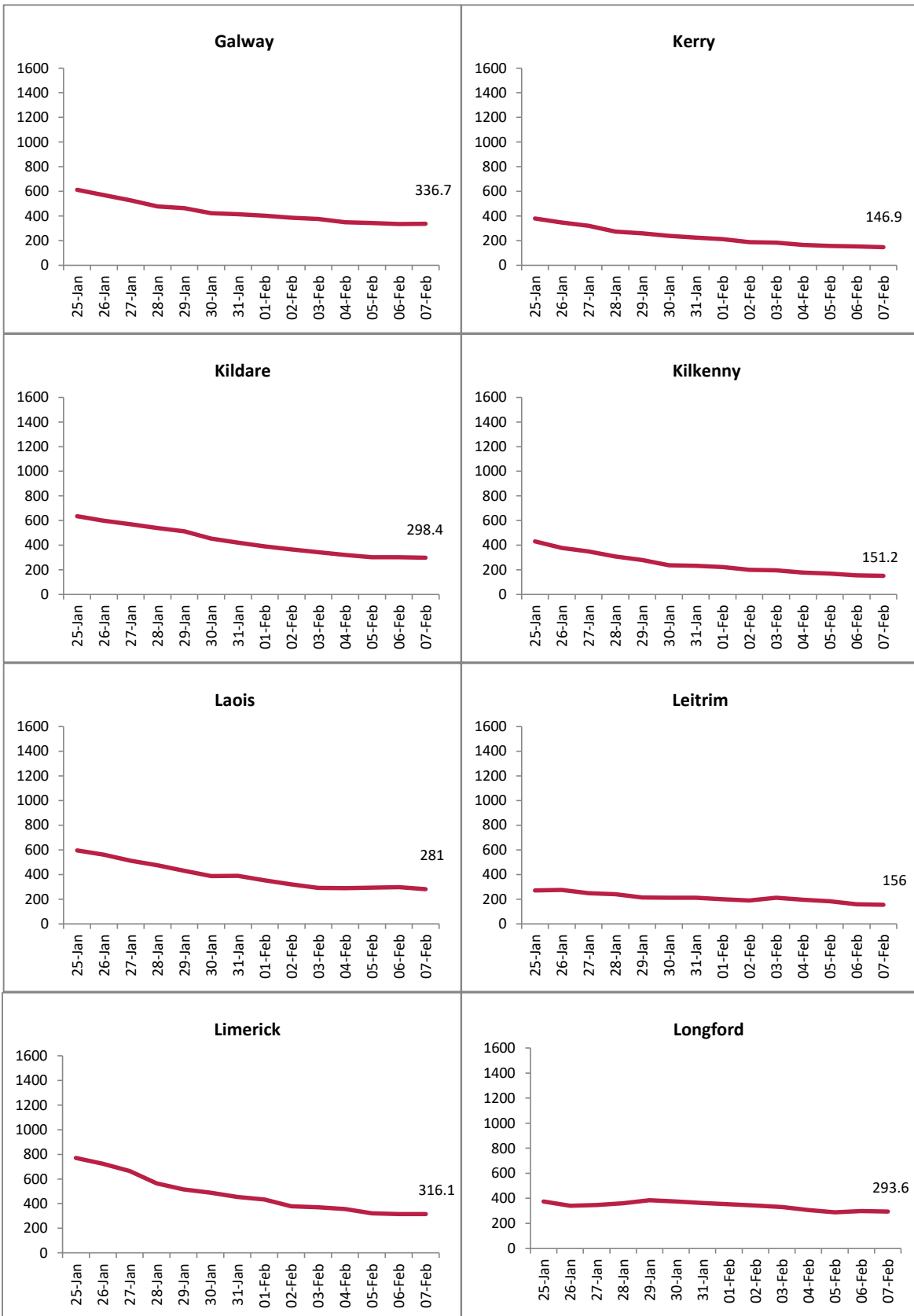
WHO definition of transmission classification is specified below:

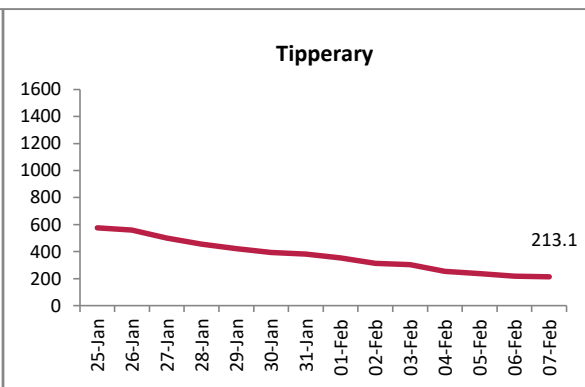
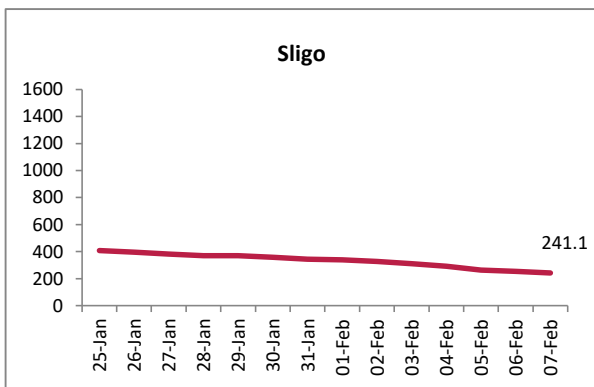
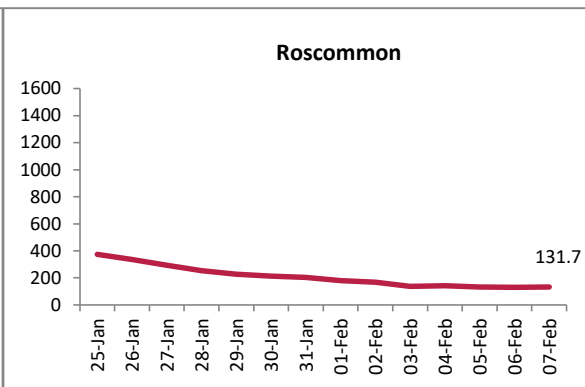
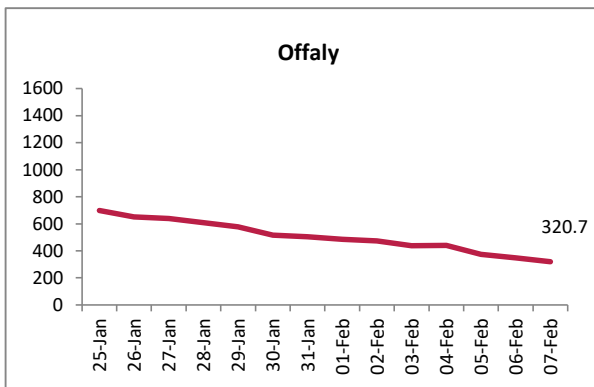
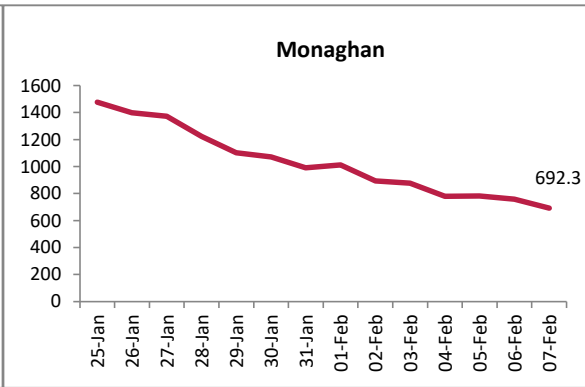
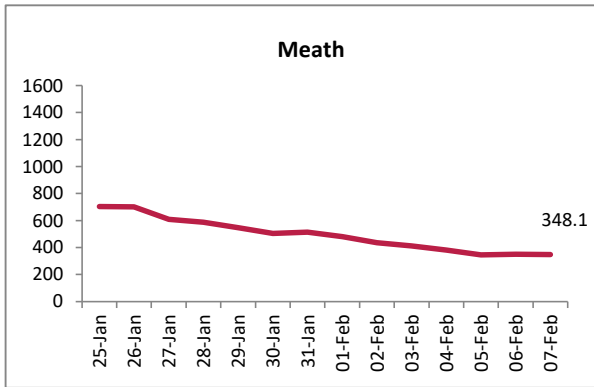
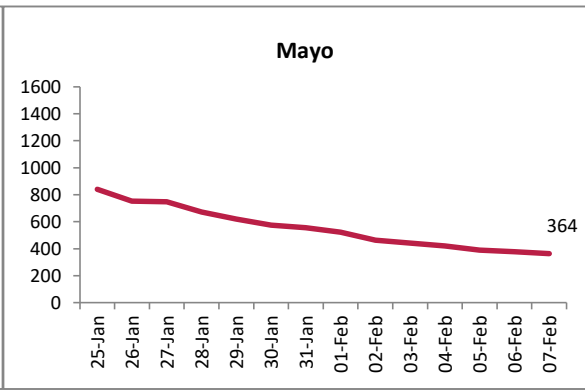
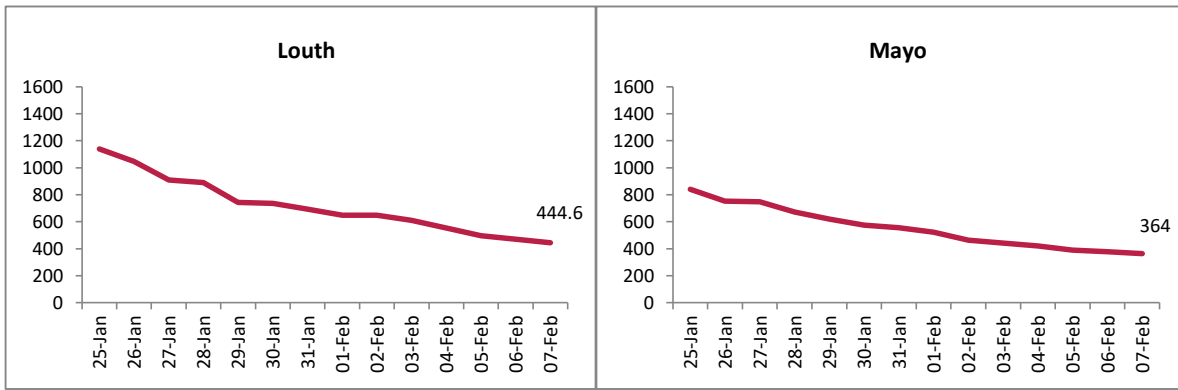
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (25/01/2021 to 07/02/2021)







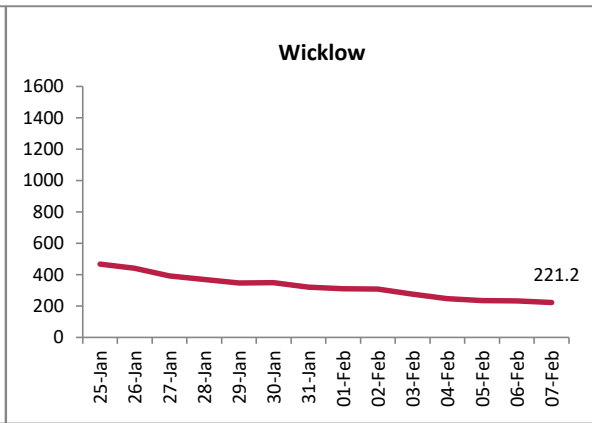
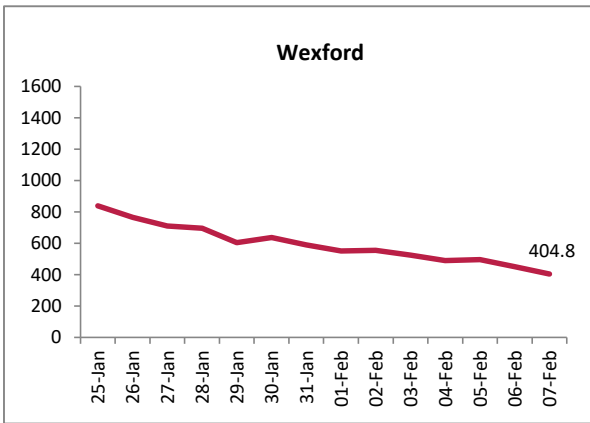
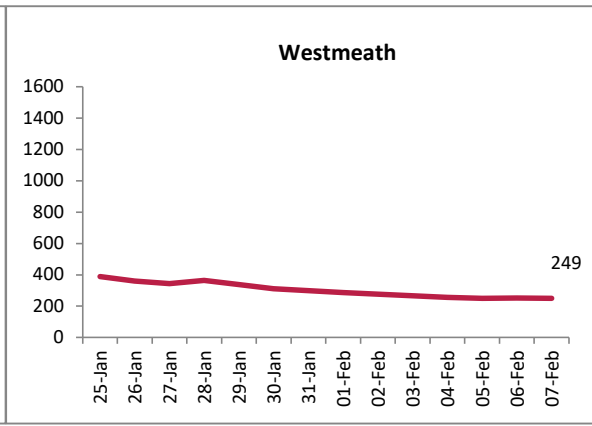
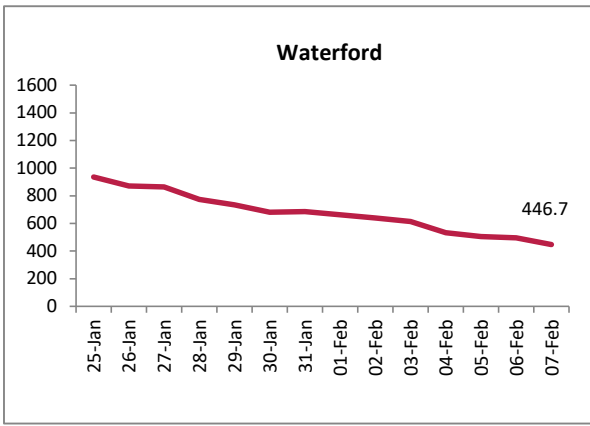


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (25/01/2021 to 07/02/2021)

