



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 18/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 04/02/2021 up to midnight 17/02/2021

	Number	Percent
Total number of confirmed cases	12,042	
National incidence of confirmed cases per 100,000 population	252.88	
Number of cases hospitalised*	871	7.23
Number of cases admitted to ICU*	46	0.38
Number of deaths among confirmed cases	49	0.41
Case fatality ratio (CFR, %)	0.41	
National incidence of confirmed deaths per 100,000 population	1.03	
Number of cases** associated with clusters	1,466	12.17
Number of imported cases	4	0.03
Number of cases in healthcare workers	757	6.29
Males	5,965	49.53
Females	6,057	50.3
M:F ratio	0.98	
Median age (years)	35	
Mean age (years)	37	
Age range (years)	0 - 102	

* 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
04/02/2021 - 17/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:48 on 18/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

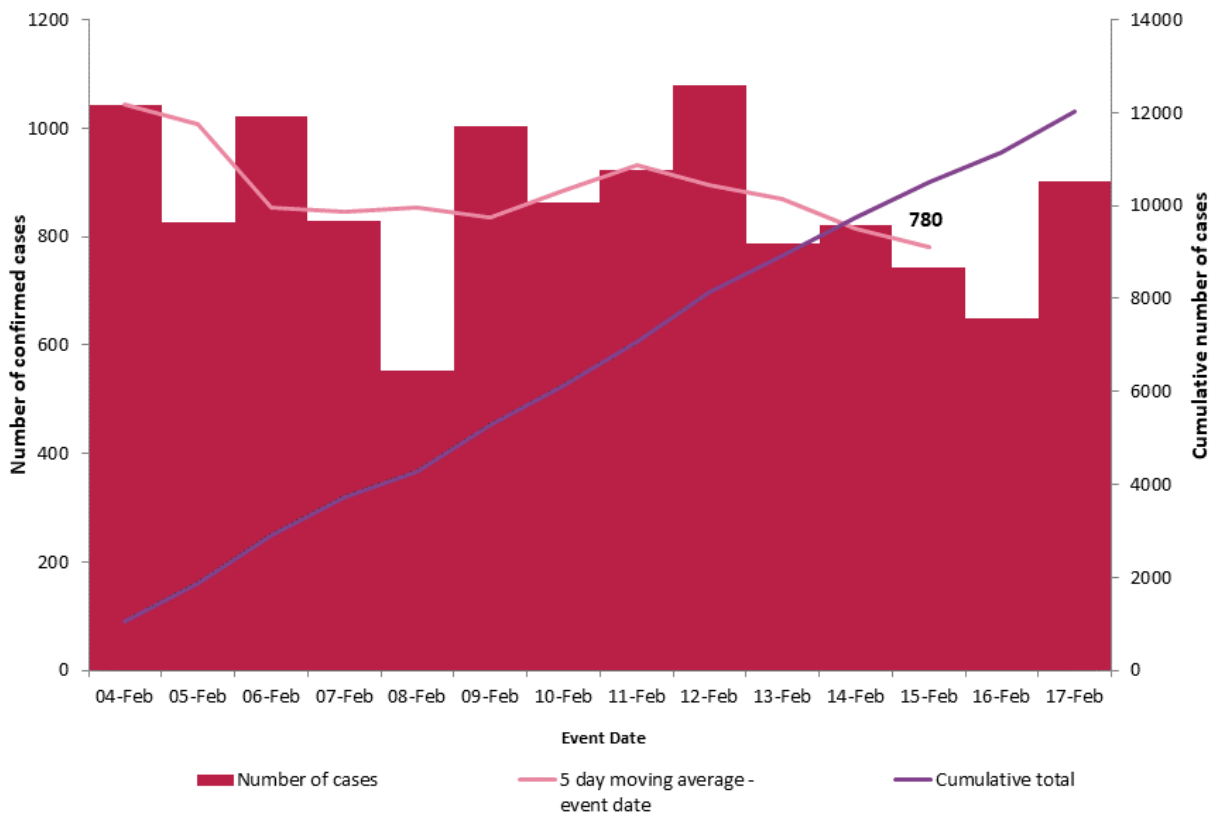


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=12,042)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 04/02/2021 up to midnight on 17/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		12,042	100
Sex	Male:Female ratio	0.98	
	Male	5,965	49.53
	Female	6,057	50.3
	Unknown	20	0.17
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	575	4.77
	5-12 yrs	886	7.36
	13-18 yrs	953	7.91
	19-24 yrs	1,598	13.27
	25-34 yrs	1,961	16.28
	35-44 yrs	1,895	15.74
	45-54 yrs	1,643	13.64
	55-64 yrs	1,119	9.29
	65-74 yrs	577	4.79
	75-84 yrs	512	4.25
	85+ yrs	322	2.67
	Unknown	1	0.01
Symptom status at time of test*	Yes	7,201	59.8
	No	2,340	19.43
	Unknown	2,501	20.77

*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 04/02/2021 to midnight 17/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	924	236.1
CHO2	1,263	278.7
CHO3	786	204.2
CHO4	924	133.8
CHO5	1,171	229.5
CHO6	997	260.2
CHO7	1,913	270.3
CHO8	1,855	299.5
CHO9	2,627	422.8
Unknown	0	
Total	12,460	261.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 04/02/2021 to midnight 17/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (13/02/2021-17/02/2021)
Monaghan	258	420.3	15
Offaly	288	369.4	21
Dublin	4,736	351.5	316
Galway	796	308.5	64
Laois	257	303.4	17
Louth	369	286.3	26
Meath	547	280.4	40
Waterford	319	274.6	18
Longford	112	274.0	9
Carlow	152	267.0	7
Cavan	199	261.2	11
Mayo	338	259.0	22
Kildare	566	254.4	38
Limerick	495	254.0	36
Wexford	379	253.1	18
Westmeath	220	247.8	14
Donegal	281	176.5	16
Leitrim	50	156.0	5
Tipperary	240	150.4	18
Clare	172	144.8	13
Sligo	89	135.8	5
Cork	709	130.6	31
Roscommon	83	128.6	5
Wicklow	183	128.5	8
Kilkenny	99	99.8	5
Kerry	105	71.1	2
Total	12,042	252.9	780

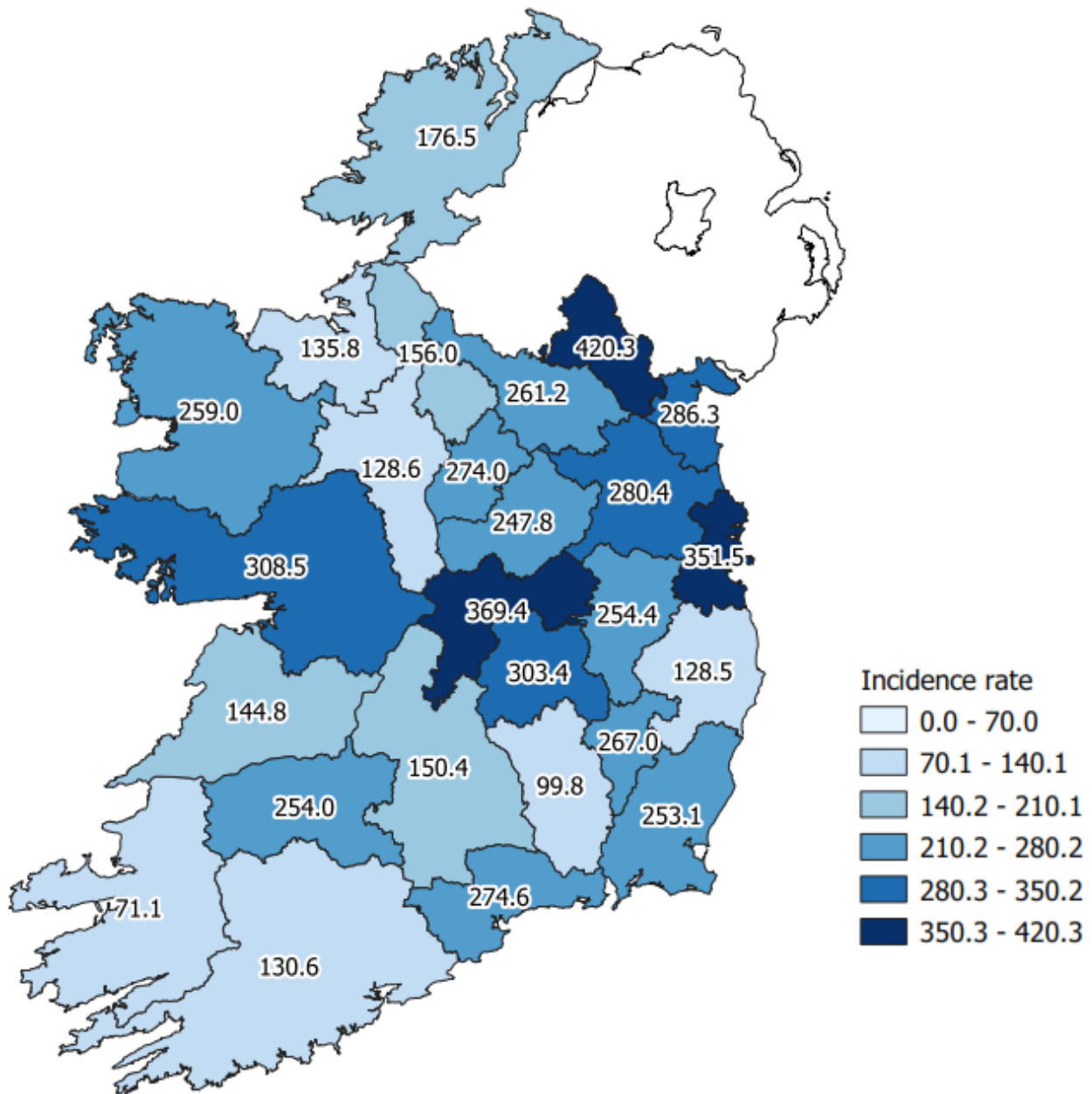


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 04/02/2021 and 17/02/2021

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 04/02/2021 and 17/02/2021

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	195	143.3
CCA2	Dublin South East	609	492.3
CCA3	Dublin South City	270	180.1
CCA4	Dublin South West	425	264.1
CCA5	Dublin West	615	395.9
CCA6	Dublin North West	972	468.1
CCA7	Dublin North Central	1,014	656.0
CCA8	Dublin North	636	245.4
	Dublin	4,736	351.5

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.

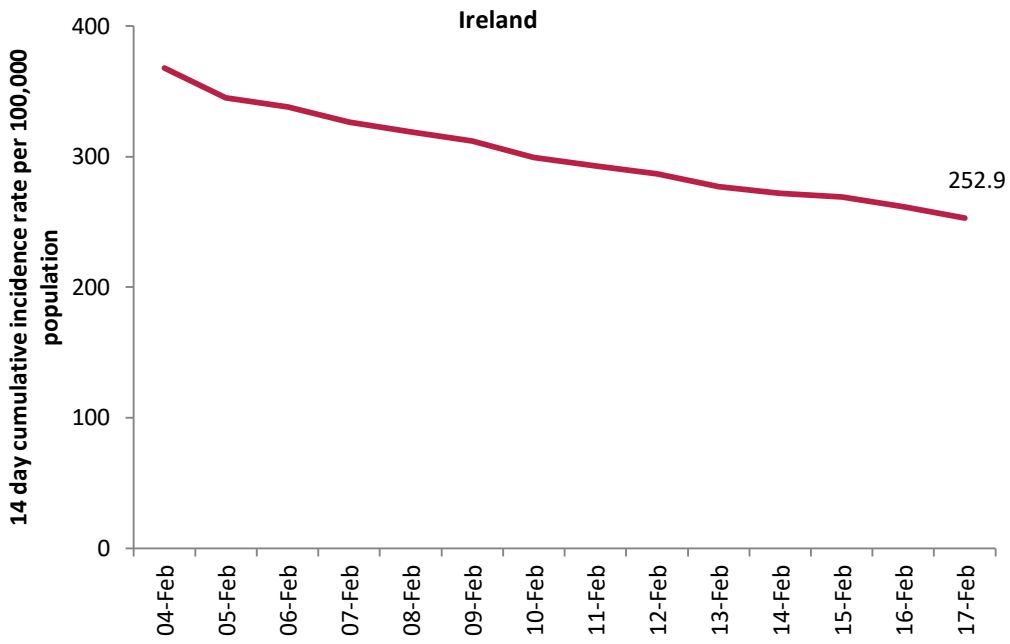


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (04/02/2021 to 17/02/2021)

*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 04/02/2021 to midnight 17/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	66	0.55%
Close contact with a known confirmed case	6,138	50.97%
Healthcare setting acquired: patient	562	4.67%
Healthcare setting acquired: staff	370	3.07%
Community transmission	2,028	16.84%
Under investigation	2,878	23.90%
Total	12,042	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 04/02/2021 to midnight 17/02/2021 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	575	18	2.07	0	0
5-12 yrs	886	19	2.18	0	0
13-18 yrs	953	18	2.07	0	0
19-24 yrs	1,598	38	4.36	0	0
25-34 yrs	1,961	63	7.23	<5	
35-44 yrs	1,895	79	9.07	5	10.87
45-54 yrs	1,643	91	10.45	12	26.09
55-64 yrs	1,119	113	12.97	7	15.22
65-74 yrs	577	120	13.78	11	23.91
75-84 yrs	512	198	22.73	8	17.39
85+ yrs	322	114	13.09	<5	
Unknown	1			0	0
Total	12,042	871	100	46	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 04/02/2021 up to midnight 17/02/2021

	Number	Percent
Total number of deaths	51	
Confirmed	49	96.08
Probable	1	1.96
Possible	1	1.96
Total number of cases hospitalised	29	56.86
Total number of male cases	37	72.55
M:F ratio	2.64	
Median age (years)	83	
Mean age (years)	81	
Age range (years)	42 - 99	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 04/02/2021 up to midnight 17/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	3	5.88
65-74 yrs	*	*	7	13.73
75-84 yrs	7	13	20	39.22
85+ yrs	5	16	21	41.18
Total	14	37	51	100
Percent	27.45	72.55		

*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. 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.

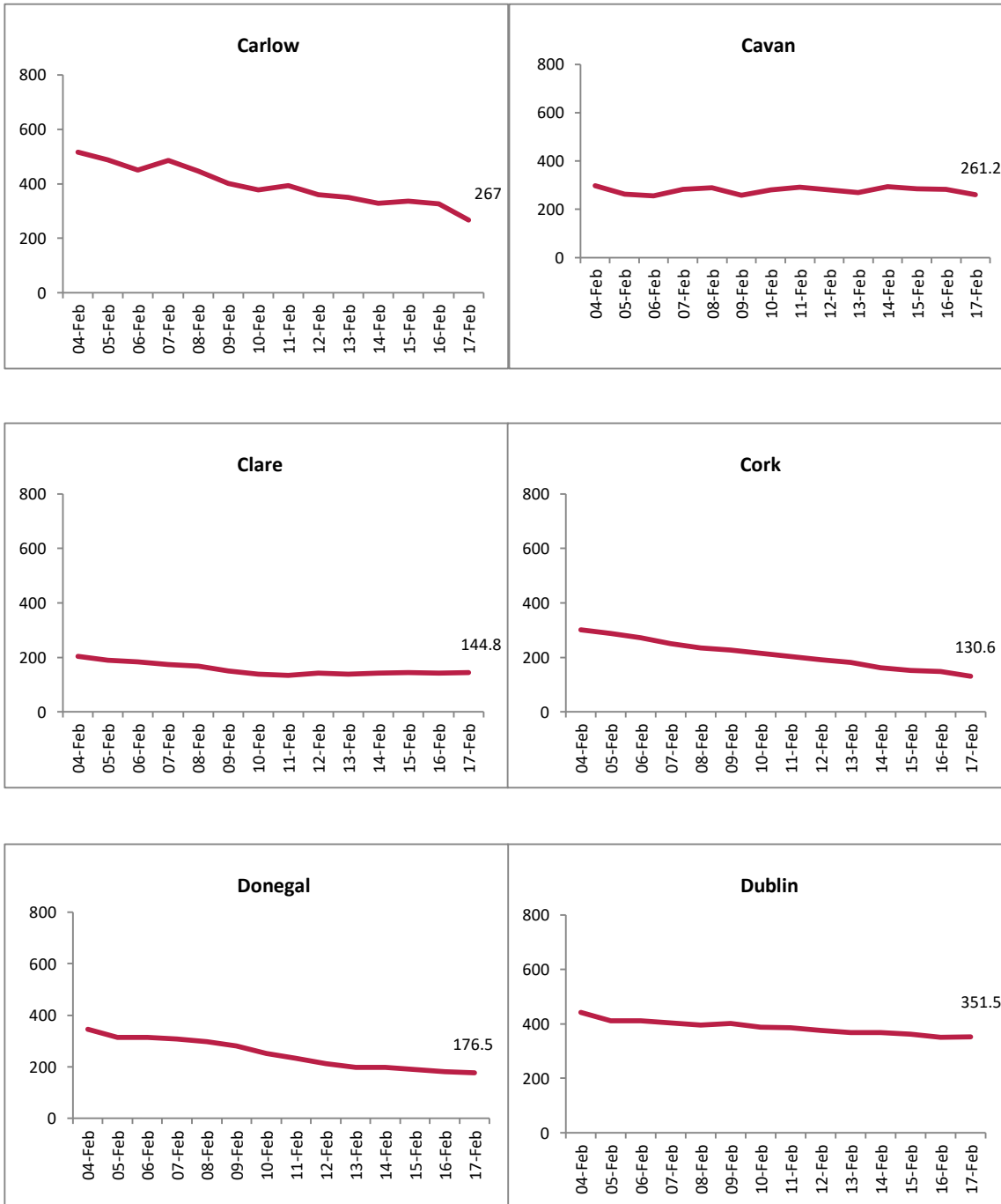
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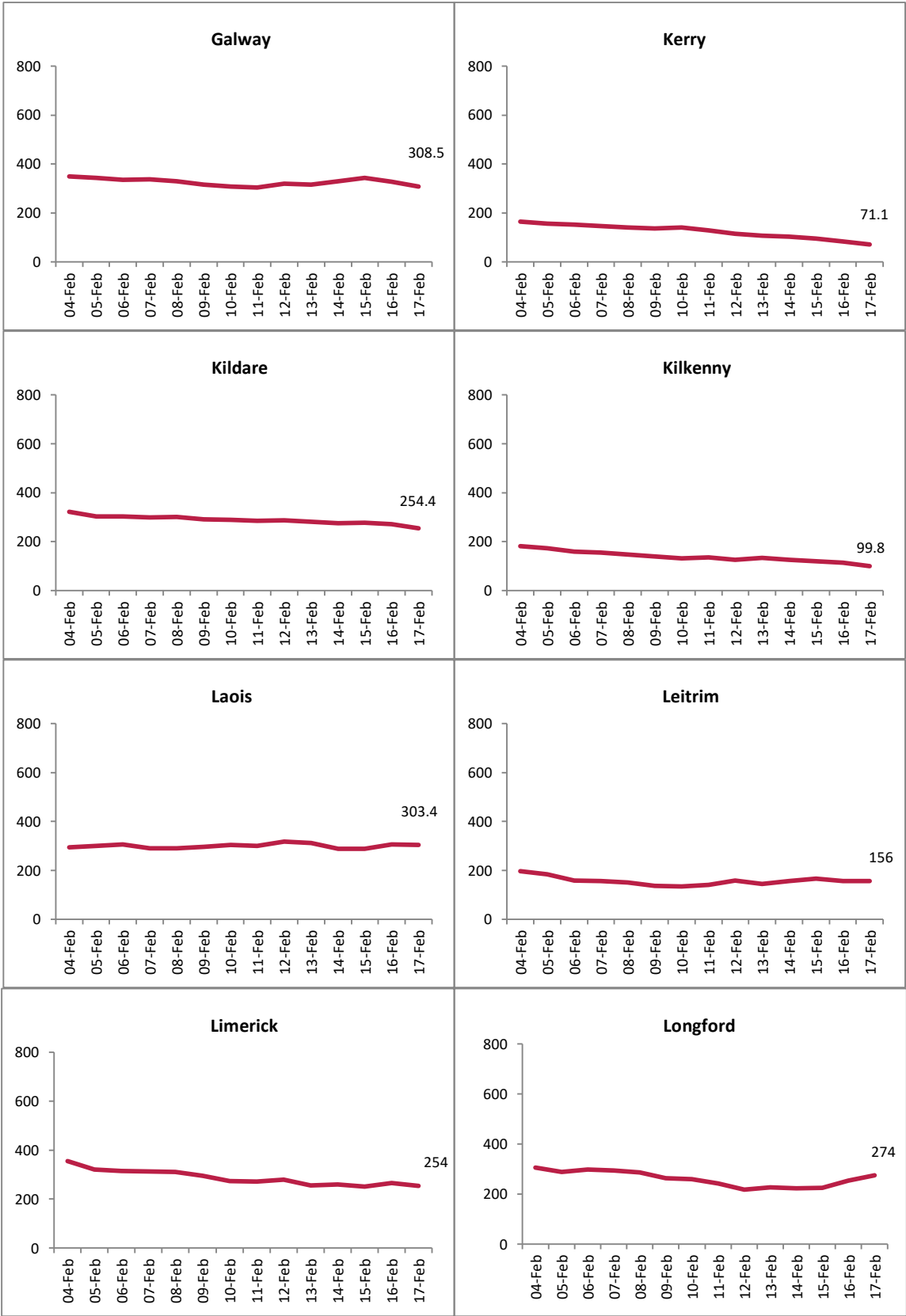
WHO definition of transmission classification is specified below:

- 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 (04/02/2021 to 17/02/2021)





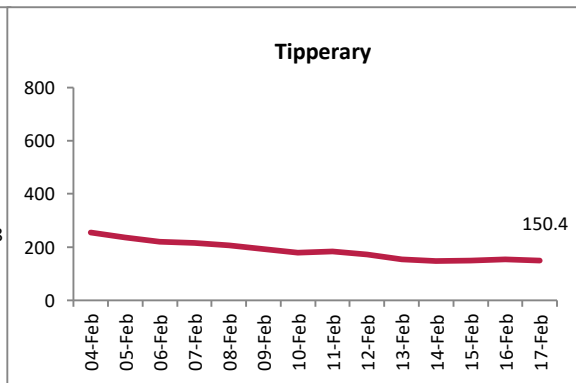
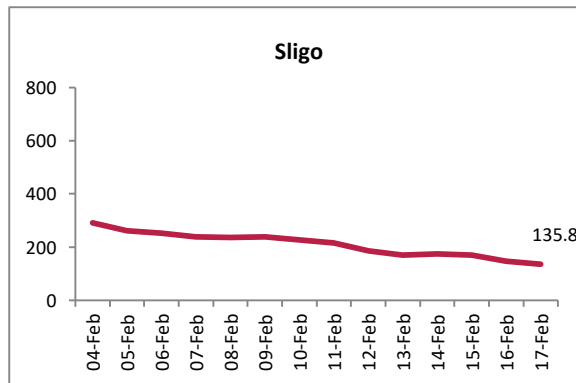
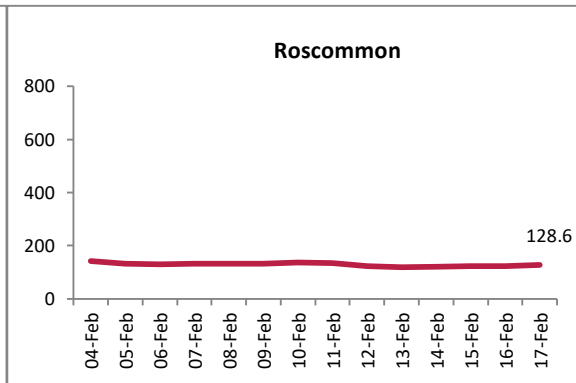
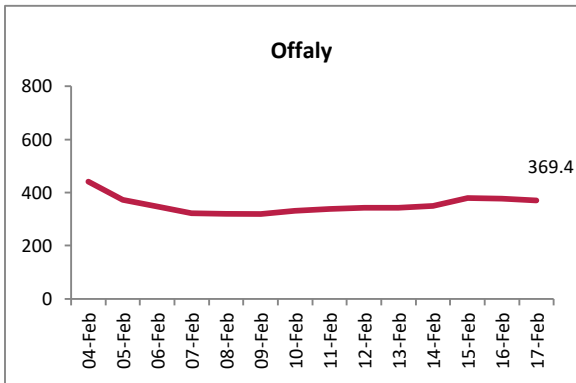
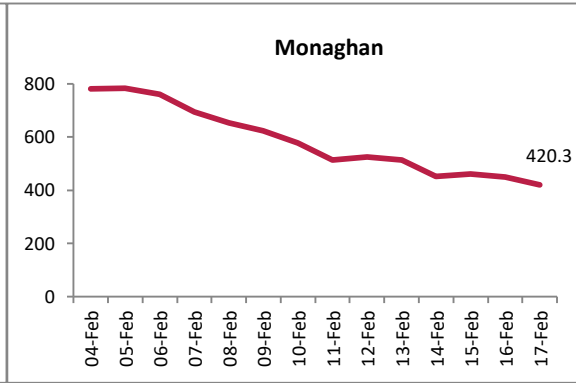
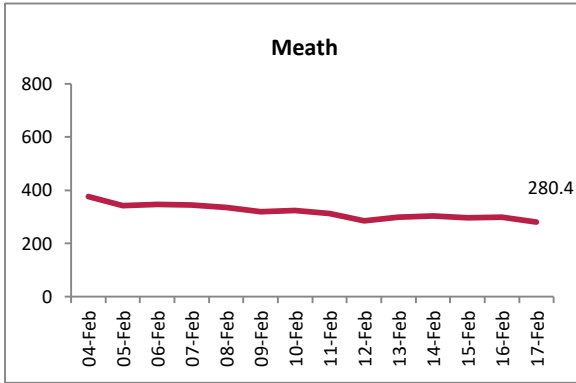
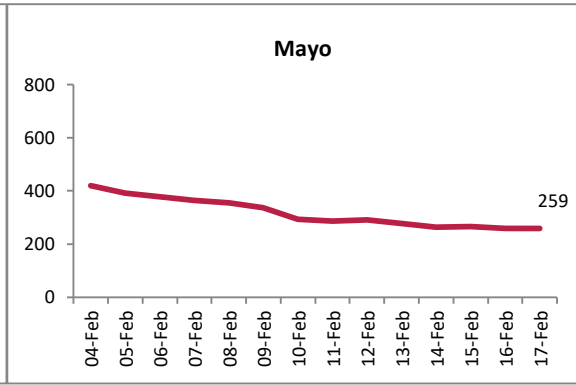
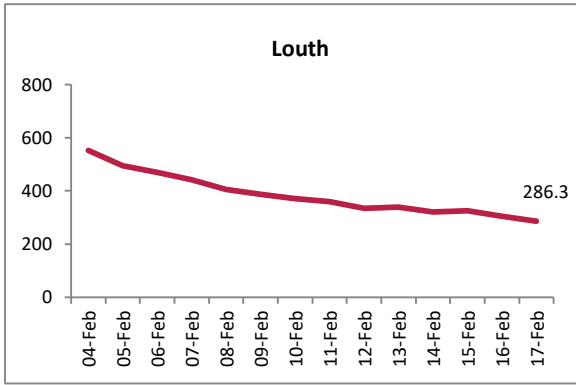




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (04/02/2021 to 17/02/2021)

