



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 10/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 27/01/2021 up to midnight 09/02/2021

	Number	Percent
Total number of confirmed cases	14,861	
National incidence of confirmed cases per 100,000 population	312.08	
Number of cases hospitalised*	1,125	7.57
Number of cases admitted to ICU*	39	0.26
Number of deaths among confirmed cases	105	0.71
Case fatality ratio (CFR, %)	0.71	
National incidence of confirmed deaths per 100,000 population	2.21	
Number of cases** associated with clusters	2,392	16.1
Number of imported cases	7	0.05
Number of cases in healthcare workers	1,516	10.2
Males	7,099	47.77
Females	7,744	52.11
M:F ratio	0.92	
Median age (years)	39	
Mean age (years)	41	
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
27/01/2021 - 09/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:56 on 10/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

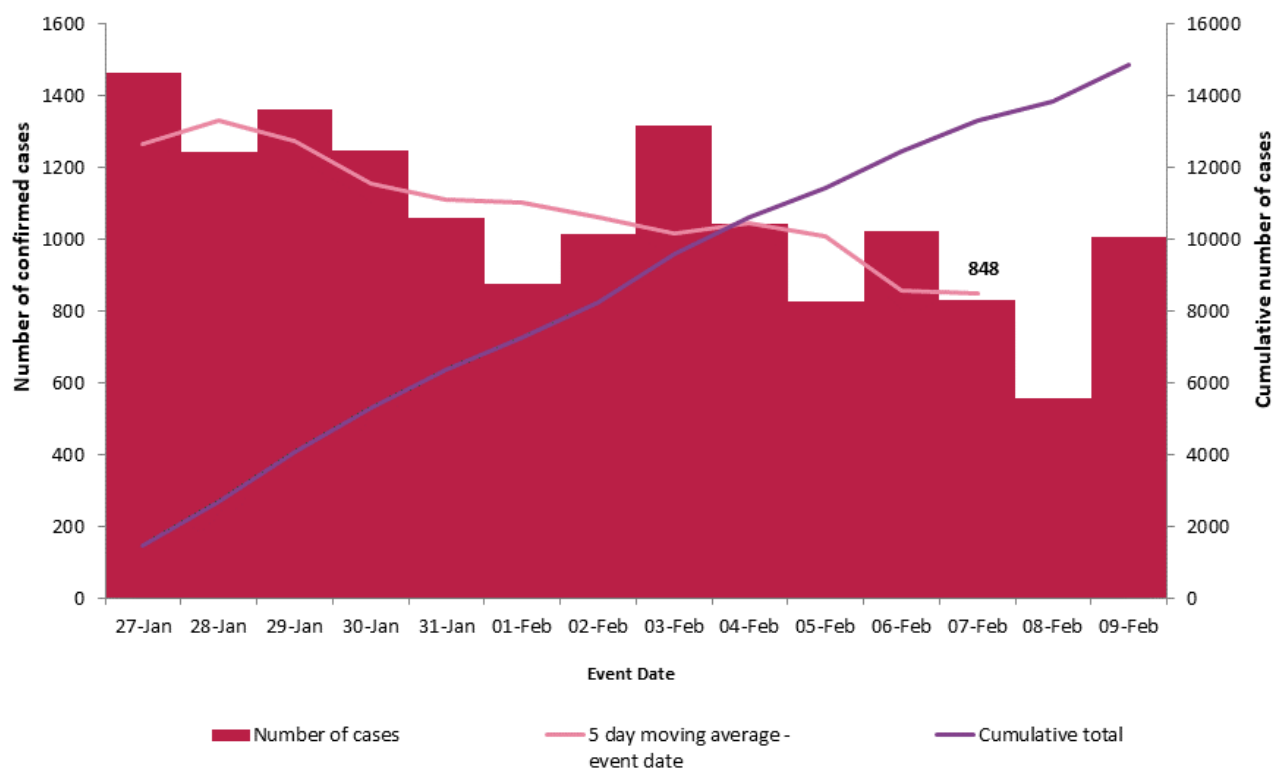


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=14,861)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 27/01/2021 up to midnight on 09/02/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		14,861	100
Sex	Male:Female ratio	0.92	
	Male	7,099	47.77
	Female	7,744	52.11
	Unknown	18	0.12
Age	Median age (years)	39	
	Mean age (years)	41	
	Age range (years)	0 - 105	
	0-4 yrs	512	3.45
	5-12 yrs	767	5.16
	13-18 yrs	988	6.65
	19-24 yrs	1,628	10.95
	25-34 yrs	2,379	16.01
	35-44 yrs	2,485	16.72
	45-54 yrs	2,235	15.04
	55-64 yrs	1,568	10.55
	65-74 yrs	845	5.69
	75-84 yrs	770	5.18
	85+ yrs	676	4.55
	Unknown	8	0.05
Symptom status at time of test*	Yes	9,217	62.02
	No	2,376	15.99
	Unknown	3,268	21.99

*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 27/01/2021 to midnight 09/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,222	312.3
CHO2	1,341	296.0
CHO3	907	235.6
CHO4	1,432	207.4
CHO5	1,642	321.8
CHO6	1,237	322.8
CHO7	2,203	311.3
CHO8	1,936	312.6
CHO9	2,941	473.3
Unknown	0	
Total	14,861	312.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 27/01/2021 to midnight 09/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (05/02/2021-09/02/2021)
Monaghan	383	623.9	23
Waterford	506	435.5	23
Carlow	232	407.5	12
Wexford	609	406.8	27
Dublin	5,425	402.6	348
Louth	498	386.4	26
Mayo	439	336.4	19
Meath	624	319.9	42
Offaly	248	318.1	16
Galway	817	316.6	43
Limerick	585	300.2	32
Laois	248	292.8	17
Kildare	646	290.3	36
Donegal	448	281.4	21
Longford	109	266.7	7
Cavan	197	258.6	14
Sligo	156	238.0	7
Westmeath	202	227.6	13
Cork	1,229	226.4	56
Wicklow	310	217.7	18
Tipperary	301	188.7	14
Clare	179	150.7	10
Kilkenny	138	139.1	7
Kerry	203	137.4	12
Leitrim	44	137.3	1
Roscommon	85	131.7	5
Total	14,861	312.1	848

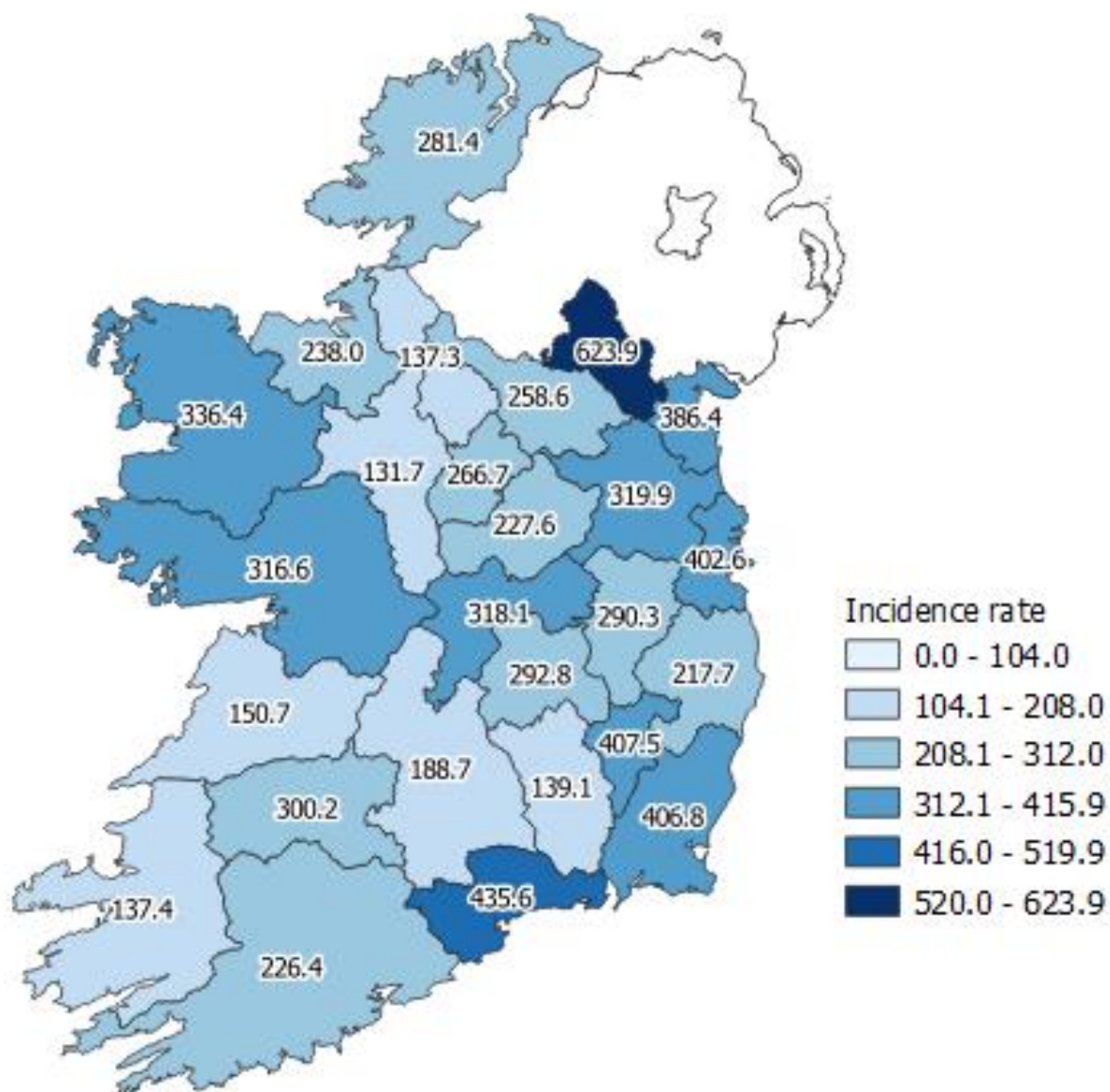


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 27/01/2021 and 09/02/2021

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 27/01/2021 and 09/02/2021

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	308	226.3
CCA2	Dublin South East	625	505.2
CCA3	Dublin South City	332	221.4
CCA4	Dublin South West	483	300.2
CCA5	Dublin West	736	473.8
CCA6	Dublin North West	1,211	583.1
CCA7	Dublin North Central	921	595.8
CCA8	Dublin North	809	312.2
Dublin		5,425	402.6

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.

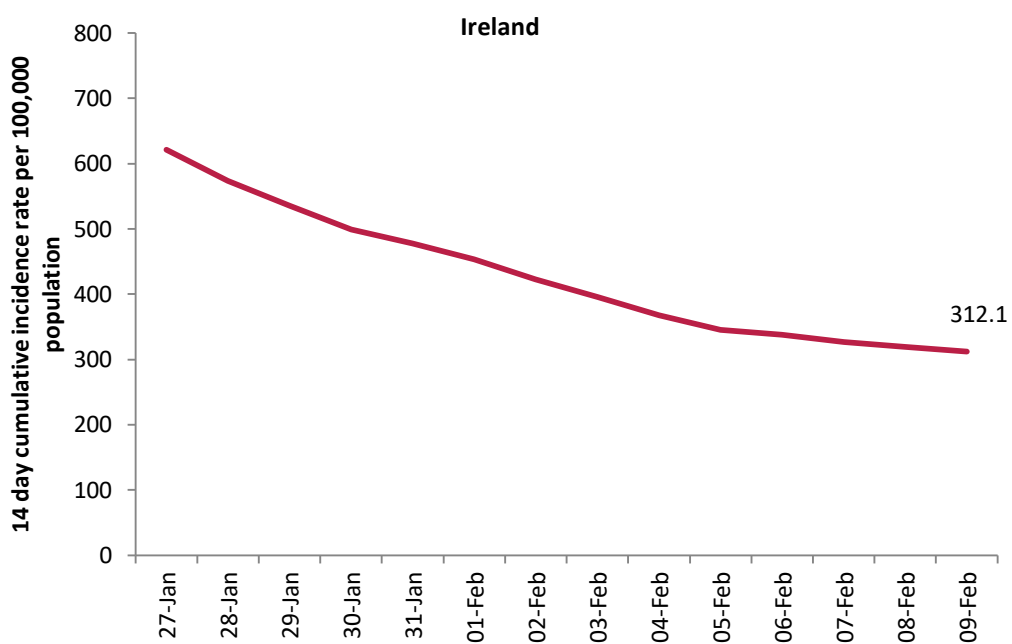


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (27/01/2021 to 09/02/2021)

*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 27/01/2021 to midnight 09/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	78	0.52%
Close contact with a known confirmed case	6,061	40.78%
Healthcare setting acquired: patient	1,081	7.27%
Healthcare setting acquired: staff	791	5.32%
Community transmission	2,788	18.76%
Under investigation	4,062	27.33%
Total	14,861	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 27/01/2021 to midnight 09/02/2021 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	512	17	1.51	0	0
5-12 yrs	767	17	1.51	0	0
13-18 yrs	988	16	1.42	0	0
19-24 yrs	1,628	48	4.27	<5	
25-34 yrs	2,379	95	8.44	<5	
35-44 yrs	2,485	85	7.56	5	12.82
45-54 yrs	2,235	125	11.11	<5	
55-64 yrs	1,568	144	12.80	11	28.21
65-74 yrs	845	170	15.11	13	33.33
75-84 yrs	770	232	20.62	<5	
85+ yrs	676	175	15.56	<5	
Unknown	8	1	0.09	0	0
Total	14,861	1125	100	39	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 27/01/2021 up to midnight 09/02/2021

	Number	Percent
Total number of deaths	109	
Confirmed	105	96.33
Possible	4	3.67
Total number of cases hospitalised	50	45.87
Total number of male cases	57	52.29
M:F ratio	1.1	
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 27/01/2021 up to midnight 09/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	6	5.50
65-74 yrs	*	*	10	9.17
75-84 yrs	18	24	42	38.53
85+ yrs	26	25	51	46.79
Total	52	57	109	100
Percent	47.71	52.29		

* One or both numbers <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.

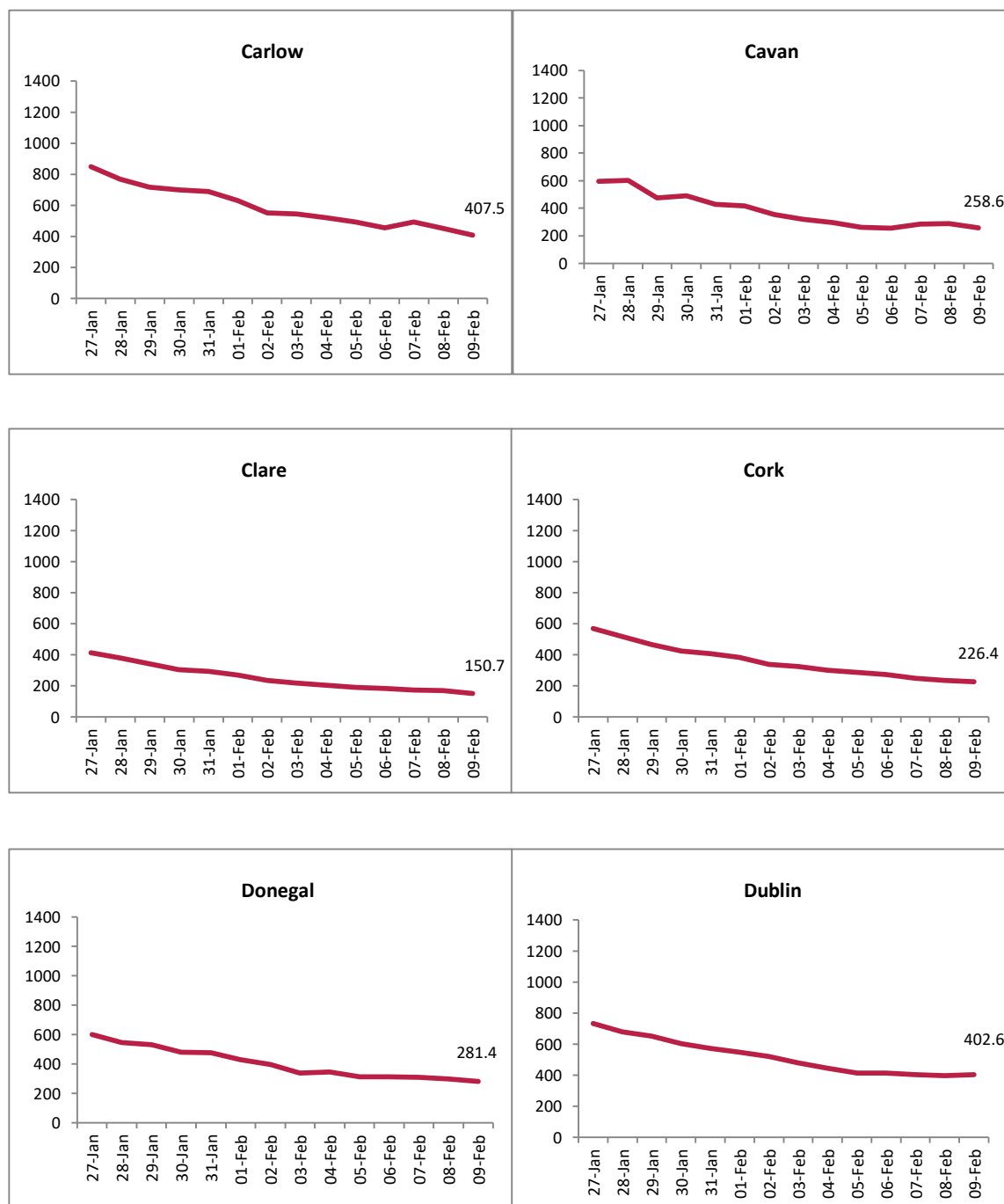
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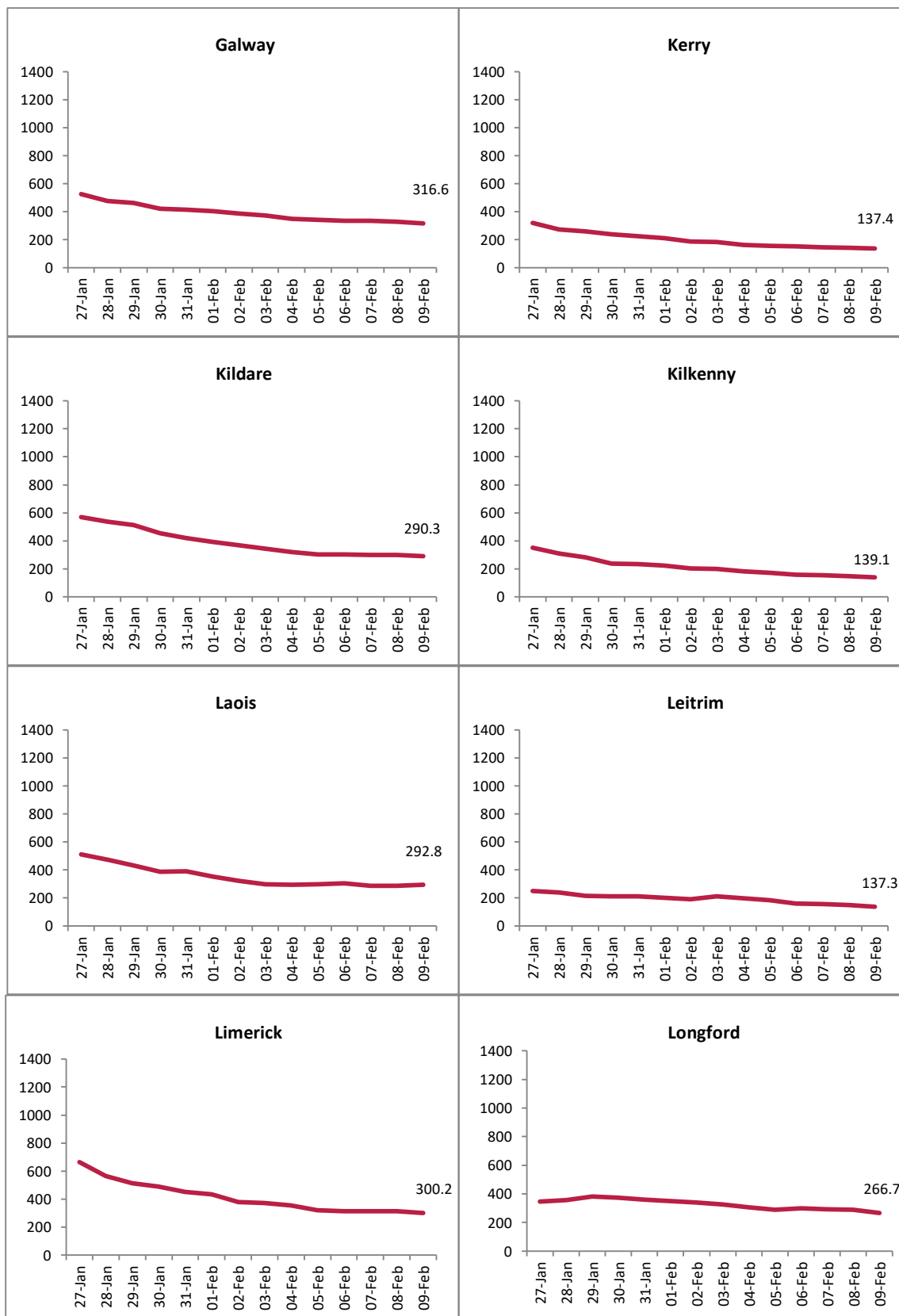
WHO definition of transmission classification is specified below:

- 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 (27/01/2021 to 09/02/2021)





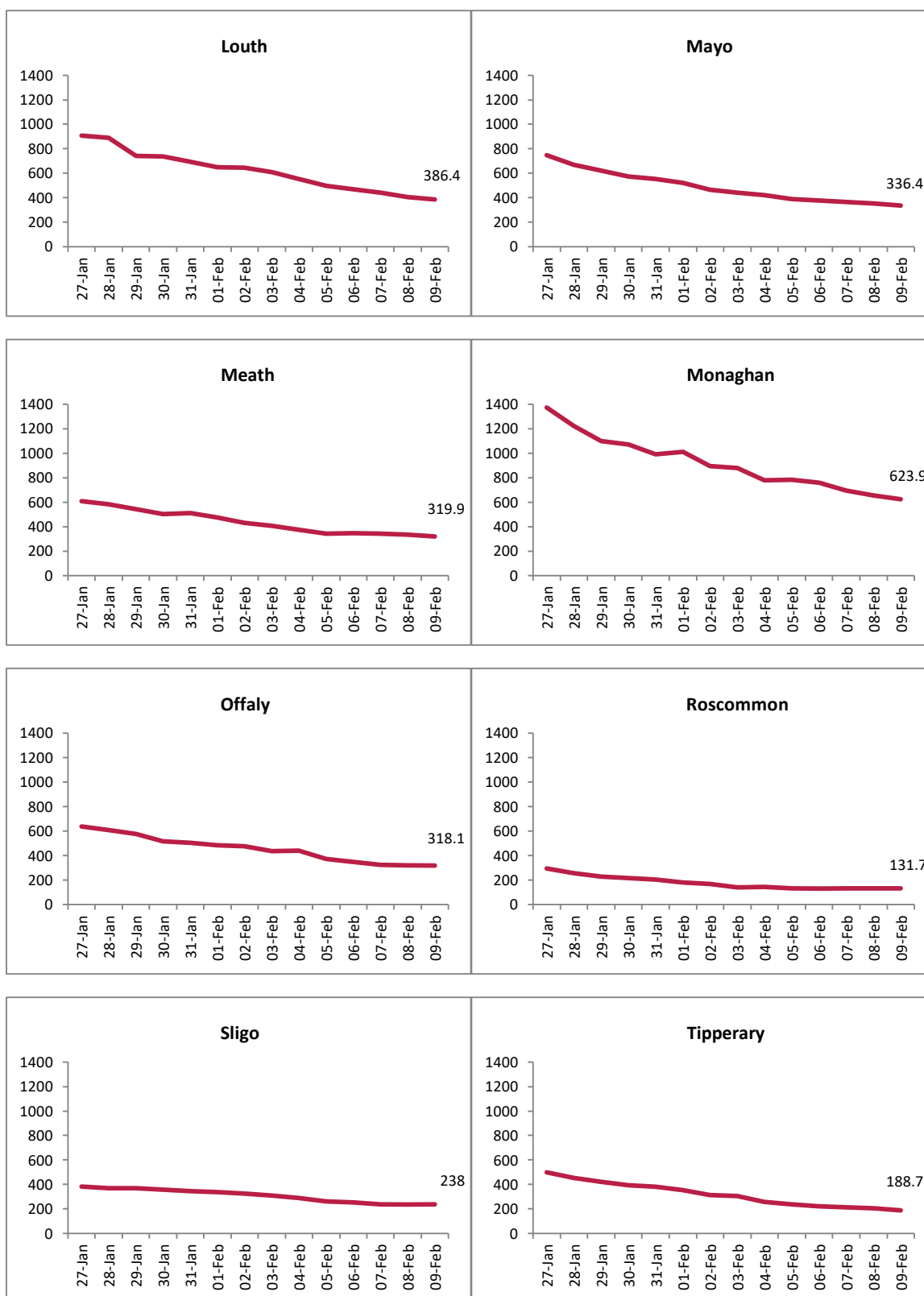




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (27/01/2021 to 09/02/2021)

