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Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 14/04/2021

Item Type	report
Citation	Health Protection Surveillance Centre, Health Service Executive, 'Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 14/04/2021', [report], Health Protection Surveillance Centre, 2021-04-14
Publisher	Health Protection Surveillance Centre
Rights	Y
Download date	2026-06-11 18:51:51
Link to Item	https://hdl.handle.net/20.500.14765/96066



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 14/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 31/03/2021 up to midnight 13/04/2021

	Number	Percent
Total number of confirmed cases	6,286	
National incidence of confirmed cases per 100,000 population	132.01	
Number of cases hospitalised*	225	3.58
Number of cases admitted to ICU*	12	0.19
Number of deaths among confirmed cases [^]	3	0.05
Case fatality ratio (CFR, %)	0.05	
National incidence of confirmed deaths per 100,000 population	0.06	
Number of cases** associated with clusters	1,606	25.55
Number of imported cases	57	0.91
Number of cases in healthcare workers	138	2.2
Males	3,146	50.05
Females	3,133	49.84
M:F ratio	1	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 96	

* The number of cases hospitalised and admitted to ICU described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

[^] The number of deaths described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all COVID-19 deaths which occurred during the period covered by the report. It also does not reflect the final number of deaths for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

**Cases may be associated with outbreaks notified outside the timeframe of this report 31/03/2021 - 13/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:54 on 14/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

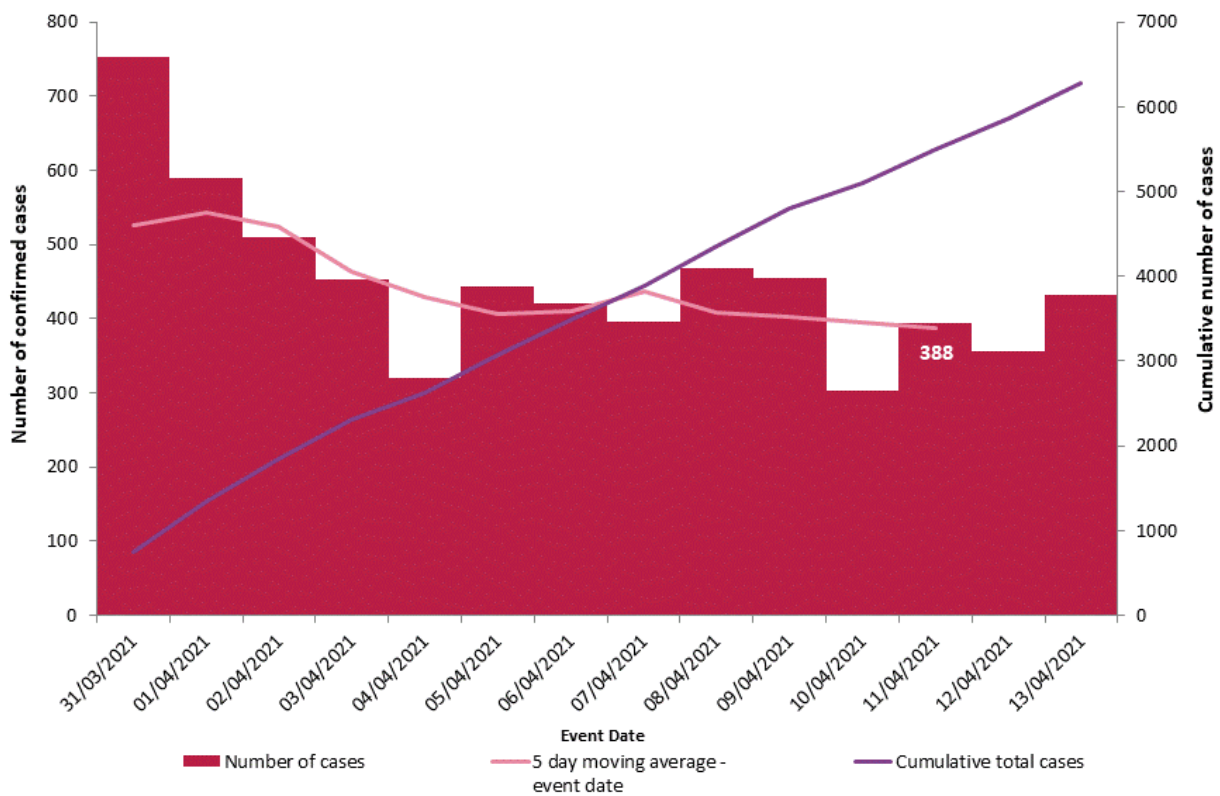


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,286)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 31/03/2021 up to midnight on 13/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,286	100
Sex	Male:Female ratio	1	
	Male	3,146	50.05
	Female	3,133	49.84
	Unknown	7	0.11
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 96	
	0-4 yrs	404	6.43
	5-12 yrs	837	13.32
	13-18 yrs	461	7.33
	19-24 yrs	712	11.33
	25-34 yrs	1,056	16.8
	35-44 yrs	1,167	18.57
	45-54 yrs	760	12.09
	55-64 yrs	516	8.21
	65-74 yrs	225	3.58
	75-84 yrs	109	1.73
	85+ yrs	39	0.62
Symptom status at time of test*	Yes	2,949	46.91
	No	1,357	21.59
	Unknown	1,980	31.5

*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 31/03/2021 to midnight 13/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	493	126.0
CHO2	399	88.1
CHO3	272	70.6
CHO4	363	52.6
CHO5	256	50.2
CHO6	448	116.9
CHO7	1,265	178.7
CHO8	1,039	167.8
CHO9	1,750	281.6
Unknown	1	
Total	6,286	132.0

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 31/03/2021 to midnight 13/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (09/04/2021-13/04/2021)
Offaly	201	257.8	13
Kildare	479	215.3	33
Dublin	2846	211.2	167
Laois	160	188.9	9
Donegal	285	179.0	24
Westmeath	157	176.9	8
Meath	316	162.0	21
Cavan	111	145.7	6
Longford	57	139.5	5
Louth	148	114.8	8
Monaghan	64	104.3	3
Wicklow	139	97.6	7
Mayo	125	95.8	8
Roscommon	59	91.4	5
Galway	215	83.3	14
Limerick	150	77.0	13
Tipperary	117	73.3	5
Wexford	105	70.1	5
Leitrim	19	59.3	2
Waterford	68	58.5	5
Cork	298	54.9	14
Kerry	65	44.0	6
Carlow	23	40.4	3
Clare	44	37.0	4
Sligo	14	21.4	0
Kilkenny	21	21.2	2
Total	6,286	132.0	388

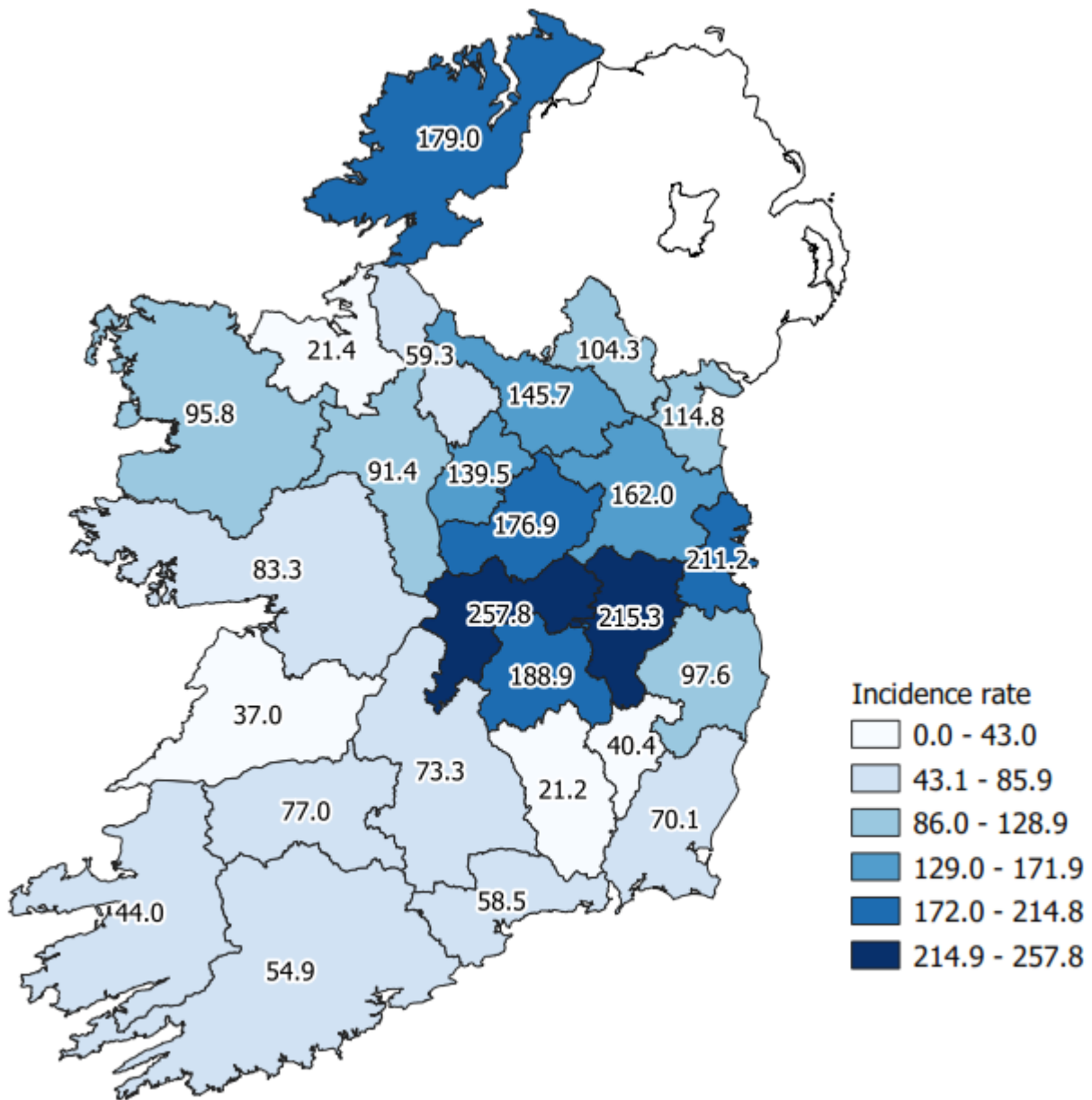


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 31/03/2021 and 13/04/2021

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 31/03/2021 and 13/04/2021

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	139	102.2
CCA2	Dublin South East	174	140.7
CCA3	Dublin South City	172	114.7
CCA4	Dublin South West	291	180.9
CCA5	Dublin West	319	205.4
CCA6	Dublin North West	721	347.2
CCA7	Dublin North Central	413	267.2
CCA8	Dublin North	616	237.7
	Unknown	1	
	Dublin	2,846	211.2

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

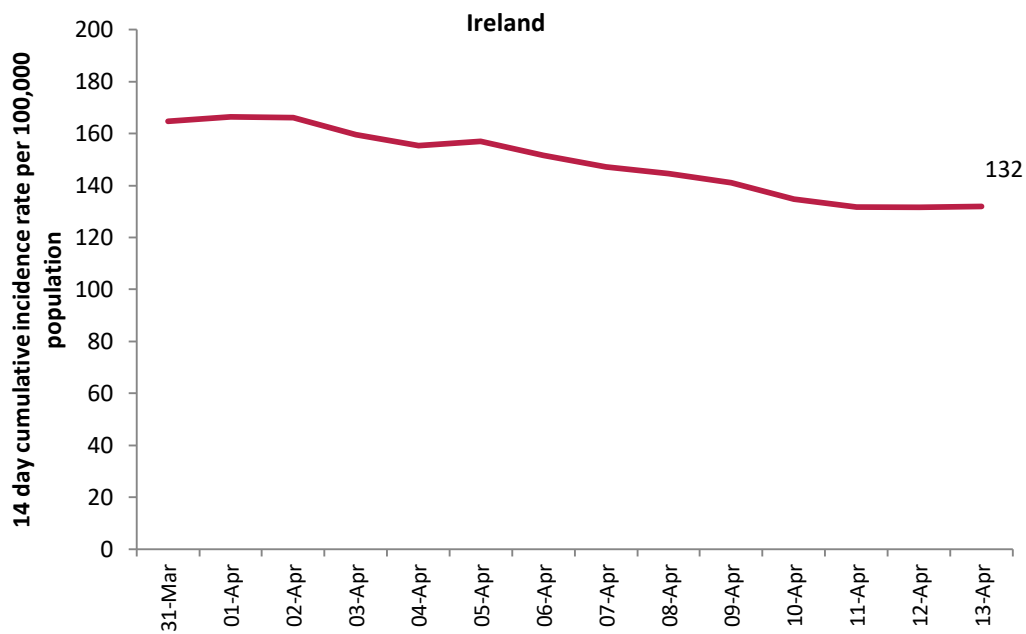


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (31/03/2021 to 13/04/2021)

*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 31/03/2021 to midnight 13/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	157	2.50%
Close contact with a known confirmed case	2,252	35.83%
Healthcare setting acquired: patient	81	1.29%
Healthcare setting acquired: staff	20	0.32%
Community transmission	1,079	17.17%
Under investigation	2,697	42.90%
Total	6,286	100.00%

* Please note there is currently a delay in updating most likely transmission source data due to recent changes made to the HSE CovidCare Tracker

^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 31/03/2021 to midnight 13/04/2021 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	404	7	3.11	0	0.00
5-12 yrs	837	6	2.67	0	0.00
13-24 yrs [^]	1,173	11	4.89	0	0.00
25-34 yrs	1,056	29	12.89	<5	-
35-44 yrs	1,167	32	14.22	<5	-
45-54 yrs	760	33	14.67	<5	-
55-64 yrs	516	30	13.33	<5	-
65-74 yrs	225	21	9.33	<5	-
75-84 yrs	109	35	15.56	<5	-
85+ yrs	39	21	9.33	<5	-
Total	6,286	225	100.00	12	100.00

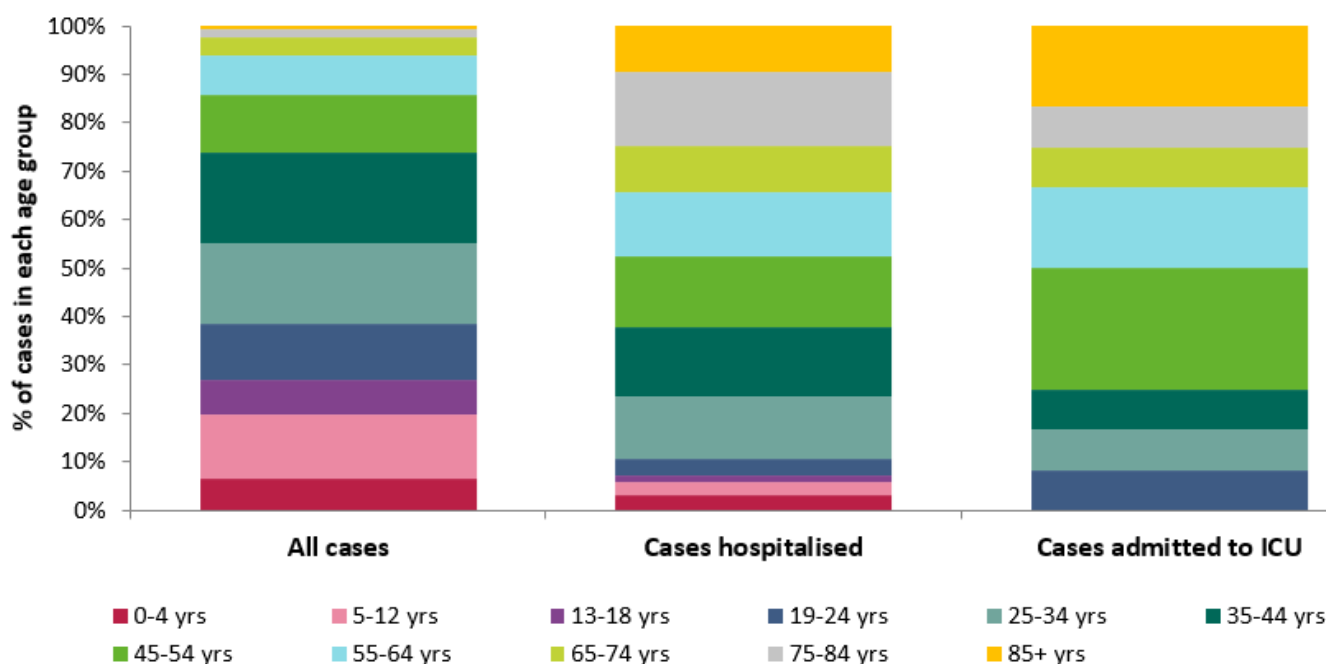


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 31/03/2021 to midnight 13/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* The number of cases hospitalised and admitted to ICU described in the above table and figure relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

[^] 13-18 yrs and 19-24 yrs age groups are combined in this table due to the hospitalisation data for one or both of these age categories being <5

Deaths among COVID-19 cases

Table 7: Summary of deaths* in all COVID-19 cases notified in Ireland from 31/03/2021 up to midnight 13/04/2021

	Number	Percent
Total number of deaths	4	
Confirmed	3	75
Possible	1	25
Total number of cases hospitalised	4	100
Total number of male cases	2	50
M:F ratio	1	
Median age (years)	78.5	
Mean age (years)	76	
Age range (years)	66 - 81	

Table 8: Number of deaths* in all COVID-19 cases by sex and age group notified in Ireland from 31/03/2021 up to midnight 13/04/2021

Age group (years)	Female	Male	Total	Percent
>65 yrs	2	2	4	100
Total	2	2	4	100
Percent	50	50		

* The number of deaths described in the above tables relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all COVID-19 deaths which occurred during the period covered by the report. It also does not reflect the final number of deaths for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

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.

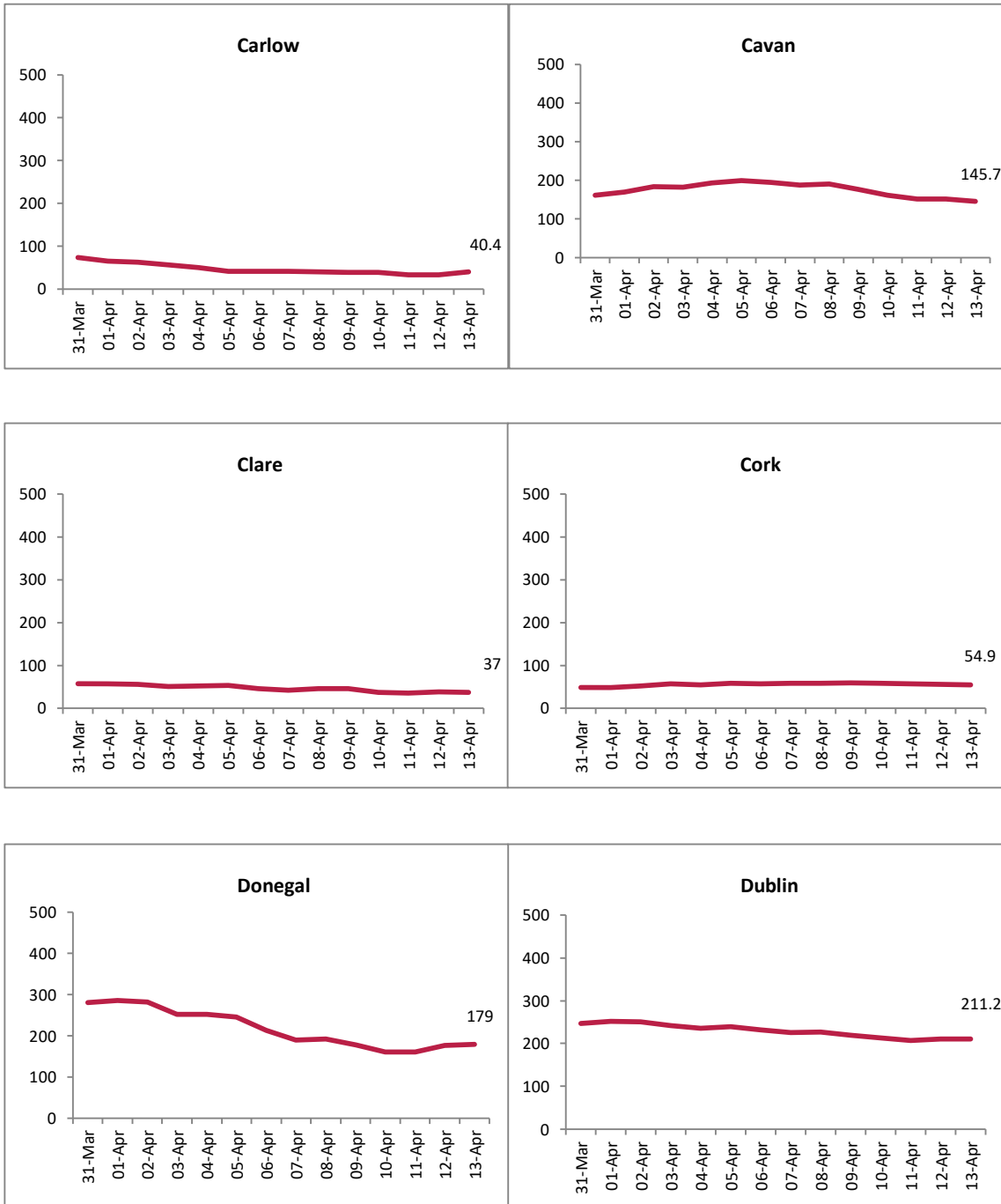
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

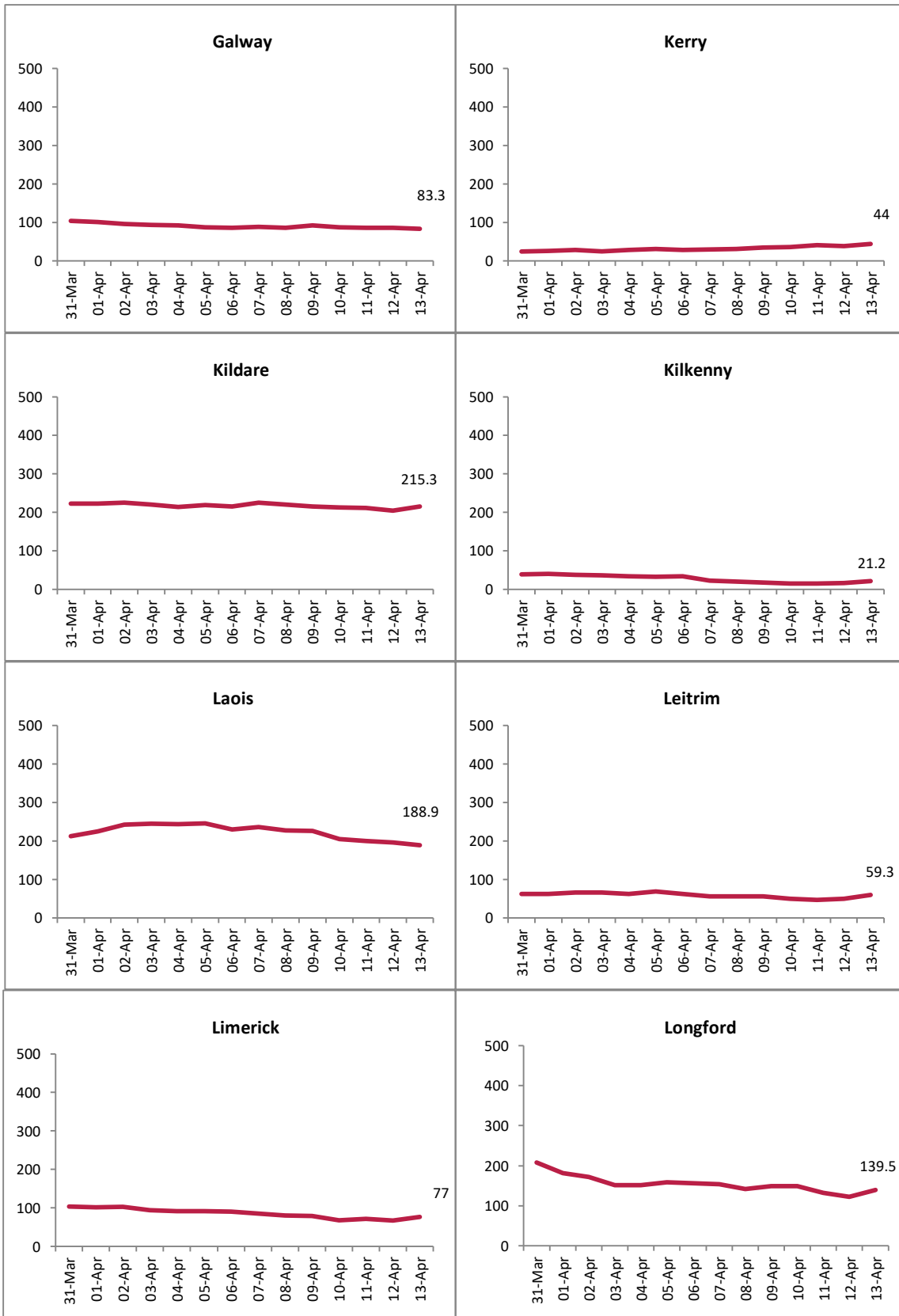
WHO definition of transmission classification is specified below:

- 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 (31/03/2021 to 13/04/2021)





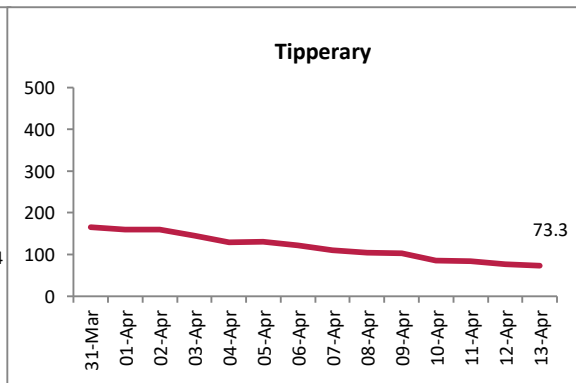
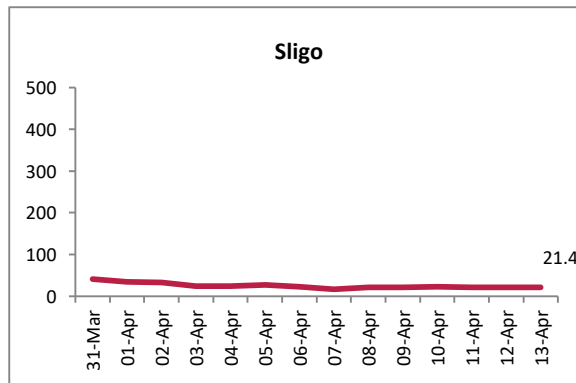
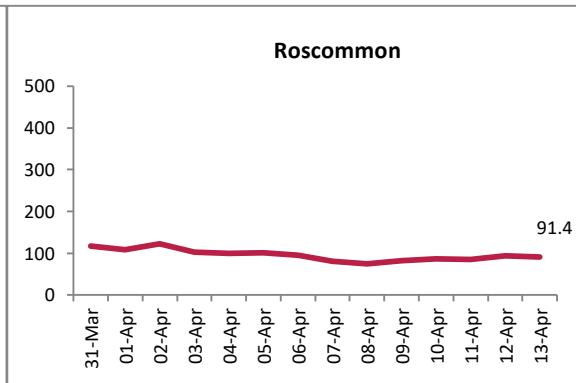
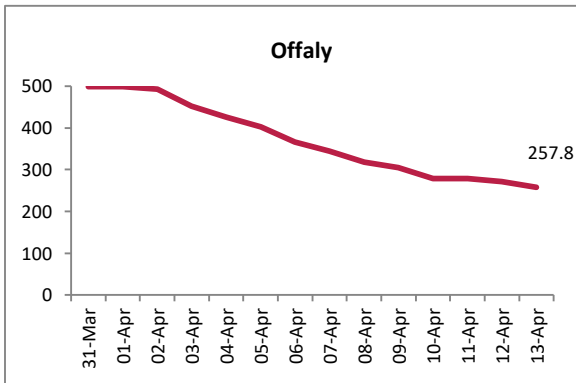
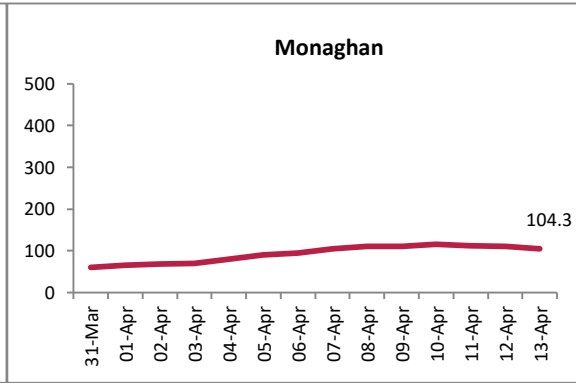
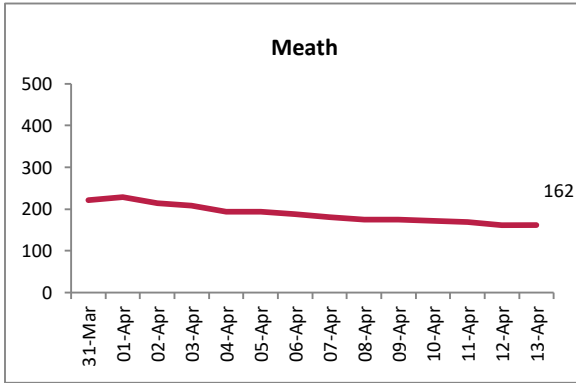
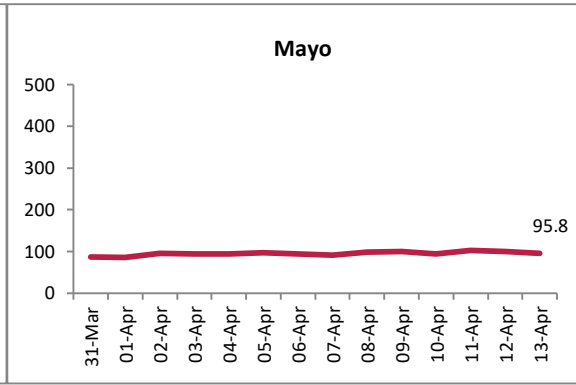
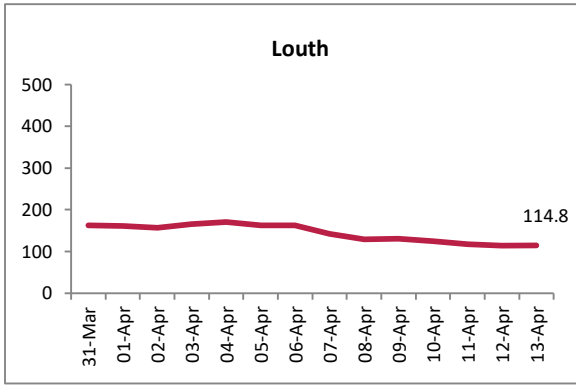




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (31/03/2021 to 13/04/2021)

