



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 20/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 06/04/2021 up to midnight 19/04/2021

	Number	Percent
Total number of confirmed cases	5,422	
National incidence of confirmed cases per 100,000 population	113.86	
Number of cases hospitalised*	227	4.19
Number of cases admitted to ICU*	15	0.28
Number of deaths among confirmed cases [^]	6	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.13	
Number of cases** associated with clusters	1,375	25.36
Number of imported cases	38	0.7
Number of cases in healthcare workers	152	2.8
Males	2,729	50.33
Females	2,684	49.5
M:F ratio	1.02	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 93	

* 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 06/04/2021 - 19/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:57 on 20/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

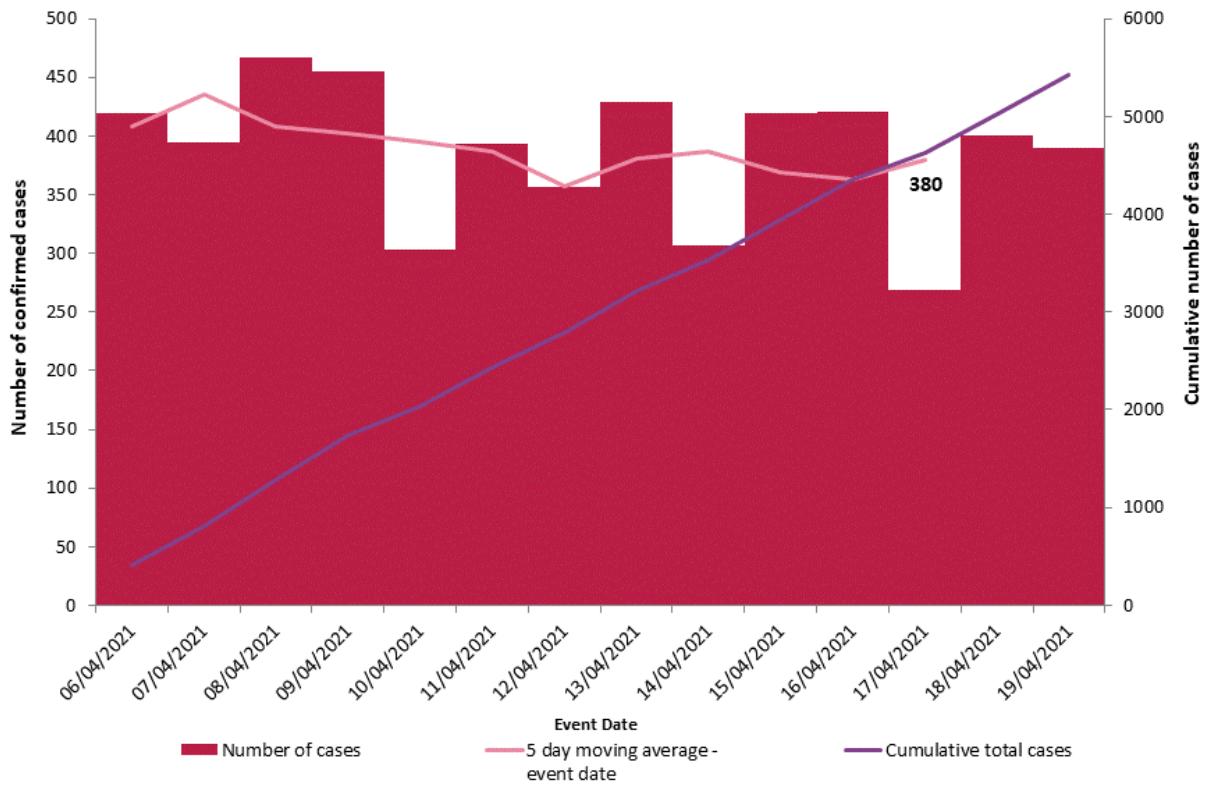


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,422)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 06/04/2021 up to midnight on 19/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,422	100
Sex	Male:Female ratio	1.02	
	Male	2,729	50.33
	Female	2,684	49.5
	Unknown	9	0.17
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 93	
	0-4 yrs	324	5.98
	5-12 yrs	664	12.25
	13-18 yrs	473	8.72
	19-24 yrs	586	10.81
	25-34 yrs	937	17.28
	35-44 yrs	981	18.09
	45-54 yrs	691	12.74
	55-64 yrs	459	8.47
	65-74 yrs	200	3.69
	75-84 yrs	82	1.51
	85+ yrs	25	0.46
Symptom status at time of test*	Yes	2,849	52.55
	No	1,226	22.61
	Unknown	1,347	24.84

*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 06/04/2021 to midnight 19/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	519	132.6
CHO2	397	87.6
CHO3	286	74.3
CHO4	247	35.8
CHO5	247	48.4
CHO6	369	96.3
CHO7	1,089	153.9
CHO8	873	141.0
CHO9	1,395	224.5
Total	5,422	113.9

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 06/04/2021 to midnight 19/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (15/04/2021-19/04/2021)
Kildare	465	209.0	27
Donegal	326	204.8	24
Offaly	146	187.3	8
Dublin	2,284	169.5	152
Meath	315	161.5	29
Longford	66	161.5	5
Westmeath	120	135.2	10
Laois	105	124.0	6
Cavan	87	114.2	5
Leitrim	31	96.7	3
Mayo	125	95.8	8
Louth	121	93.9	11
Limerick	173	88.8	14
Monaghan	54	88.0	4
Roscommon	55	85.2	5
Galway	217	84.1	16
Wicklow	104	73.0	8
Carlow	41	72.0	4
Waterford	75	64.6	4
Tipperary	100	62.7	9
Wexford	75	50.1	4
Clare	46	38.7	3
Kerry	57	38.6	3
Cork	190	35.0	12
Sligo	21	32.0	3
Kilkenny	23	23.2	1
Total	5,422	113.9	380

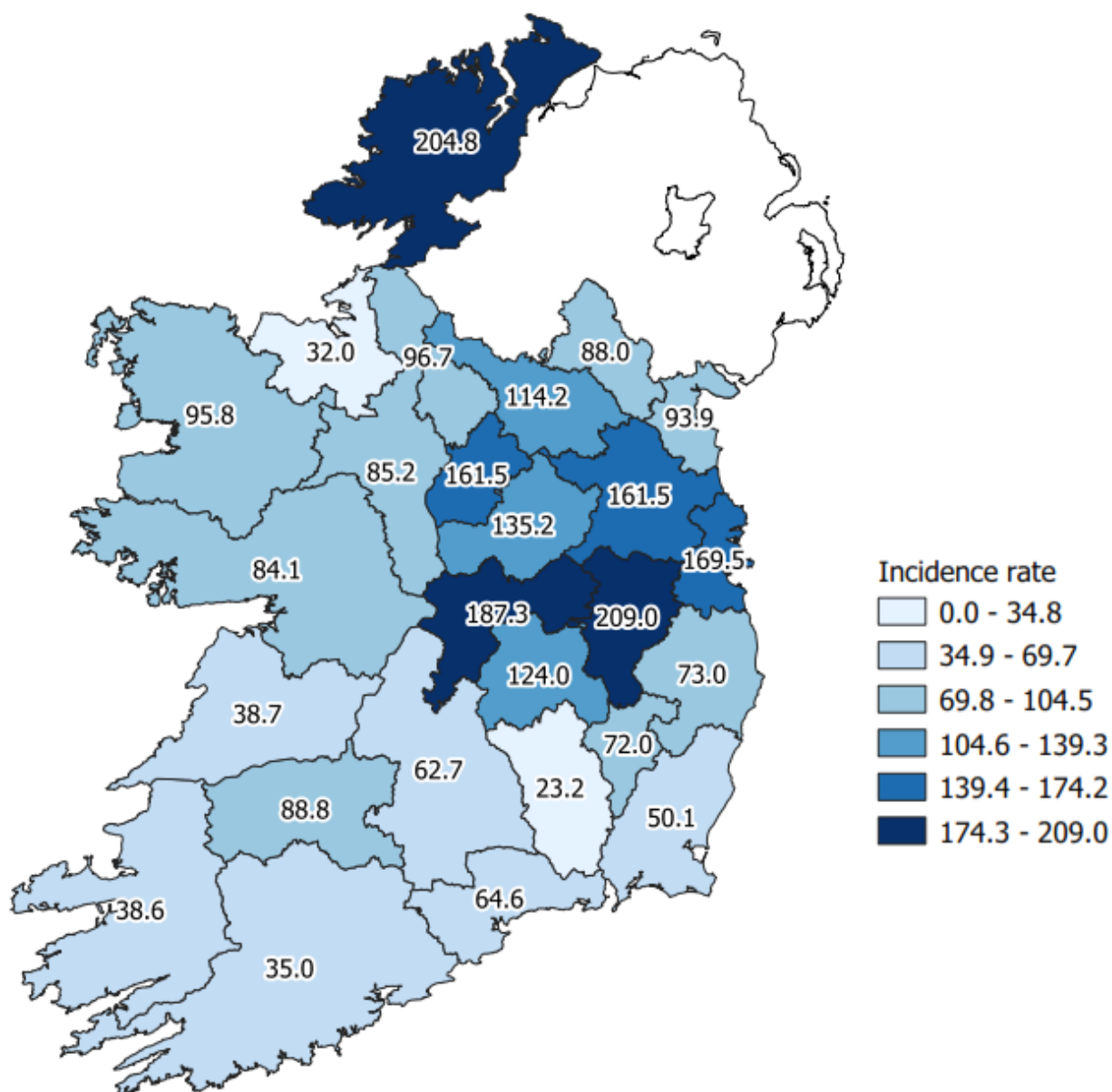


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 06/04/2021 and 19/04/2021

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 06/04/2021 and 19/04/2021

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	133	97.7
CCA2	Dublin South East	135	109.1
CCA3	Dublin South City	118	78.7
CCA4	Dublin South West	235	146.1
CCA5	Dublin West	268	172.5
CCA6	Dublin North West	631	303.8
CCA7	Dublin North Central	307	198.6
CCA8	Dublin North	457	176.3
	Dublin	2,284	169.5

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

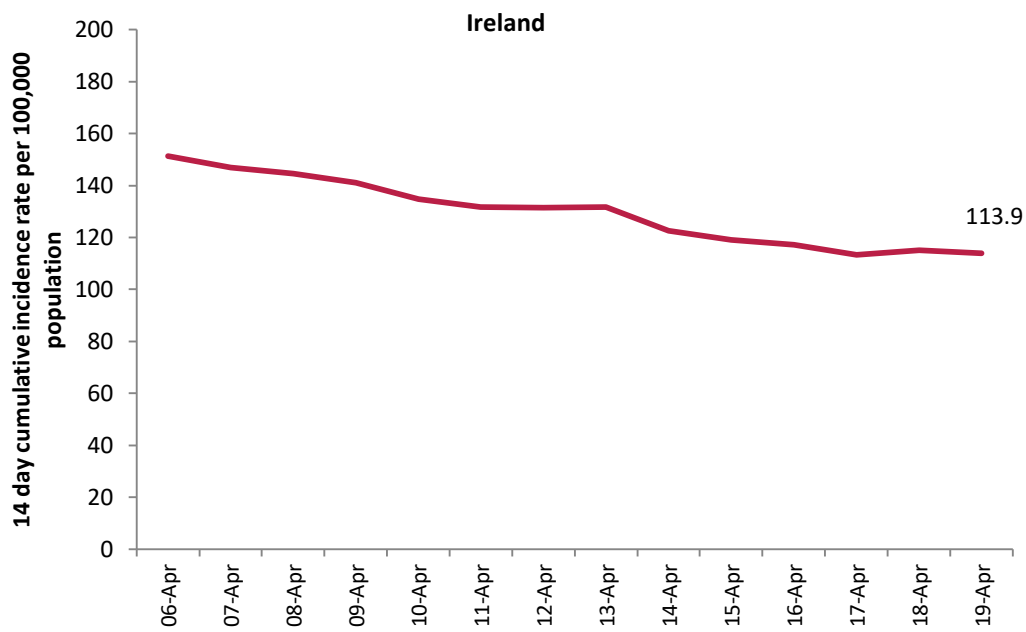


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (06/04/2021 to 19/04/2021)

*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 06/04/2021 to midnight 19/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	237	4.37%
Close contact with a known confirmed case	3,066	56.55%
Healthcare setting acquired: patient	81	1.49%
Healthcare setting acquired: staff	25	0.46%
Community transmission	980	18.07%
Under investigation	1,033	19.05%
Total	5,422	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 06/04/2021 to midnight 19/04/2021 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 (%)
0-12 yrs^	988	9	3.96	0	0.00
13-18 yrs	473	5	2.20	0	0.00
19-24 yrs	586	8	3.52	<5	-
25-34 yrs	937	31	13.66	<5	-
35-44 yrs	981	26	11.45	<5	-
45-54 yrs	691	36	15.86	<5	-
55-64 yrs	459	35	15.42	<5	-
65-74 yrs	200	32	14.10	<5	-
75-84 yrs	82	31	13.66	<5	-
85+ yrs	25	14	6.17	0	0.00
Total	5,422	227	100.00	15	100.00

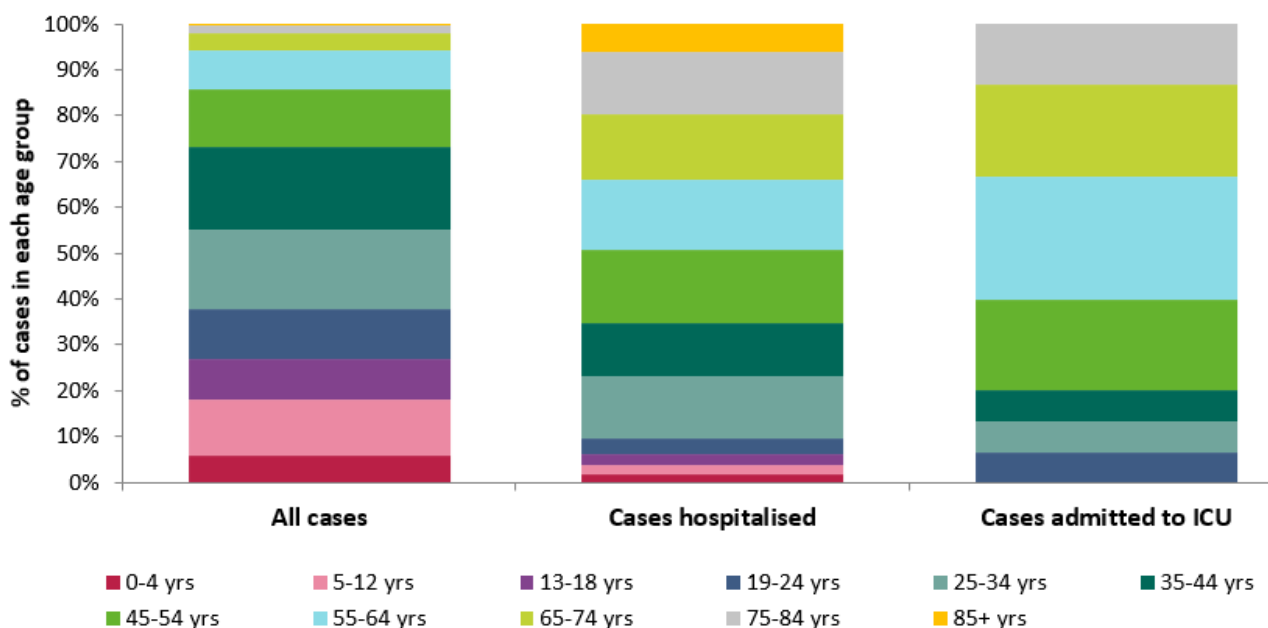


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 06/04/2021 to midnight 19/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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.

^ 0-4 yrs and 5-12 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 06/04/2021 up to midnight 19/04/2021

	Number	Percent	
Total number of deaths	8		
	Confirmed	6	75
	Possible	2	25
Total number of cases hospitalised	8	100	
Total number of male cases	4	50	
M:F ratio	1		
Median age (years)	80.5		
Mean age (years)	79		
Age range (years)	66 - 86		

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.

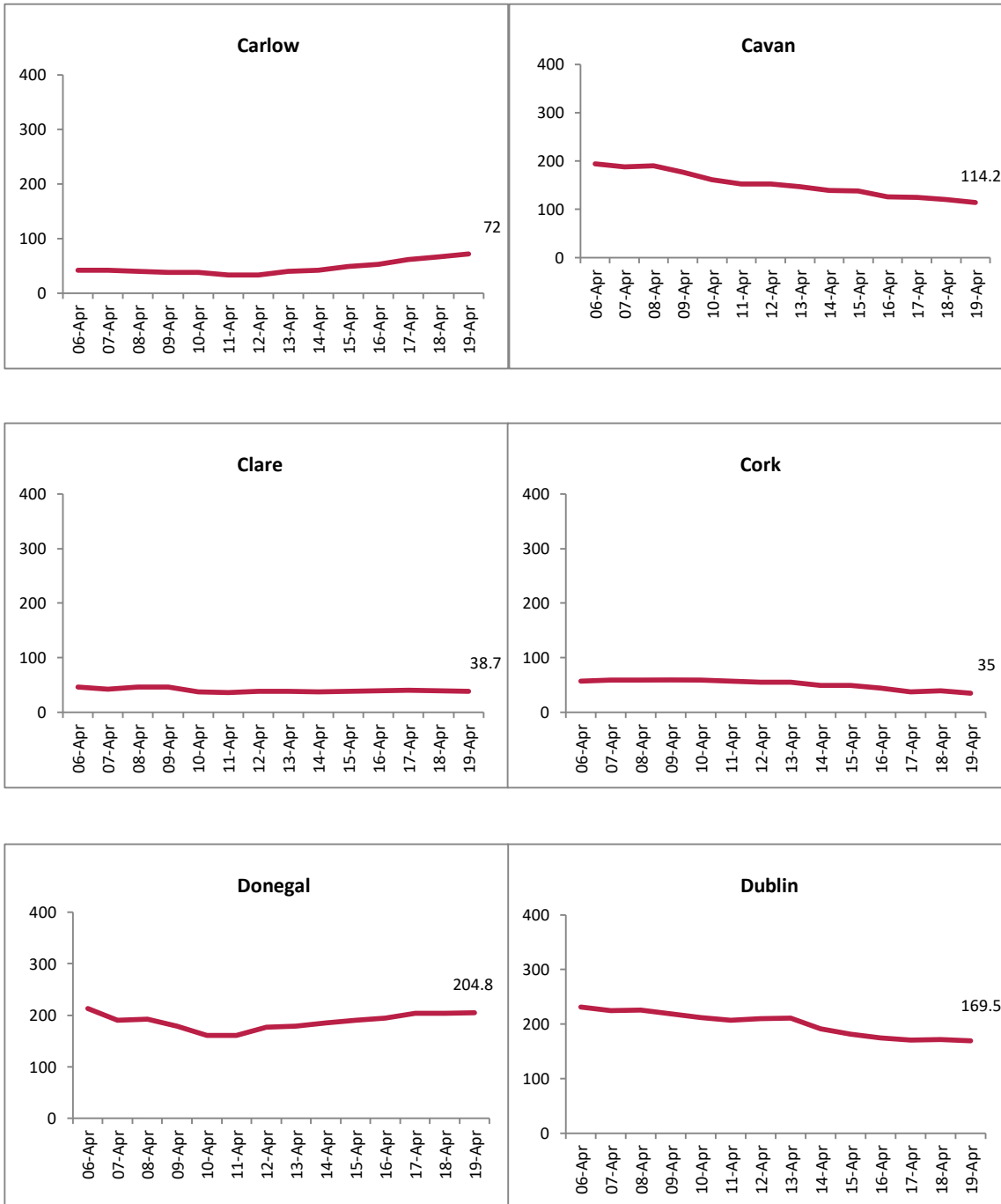
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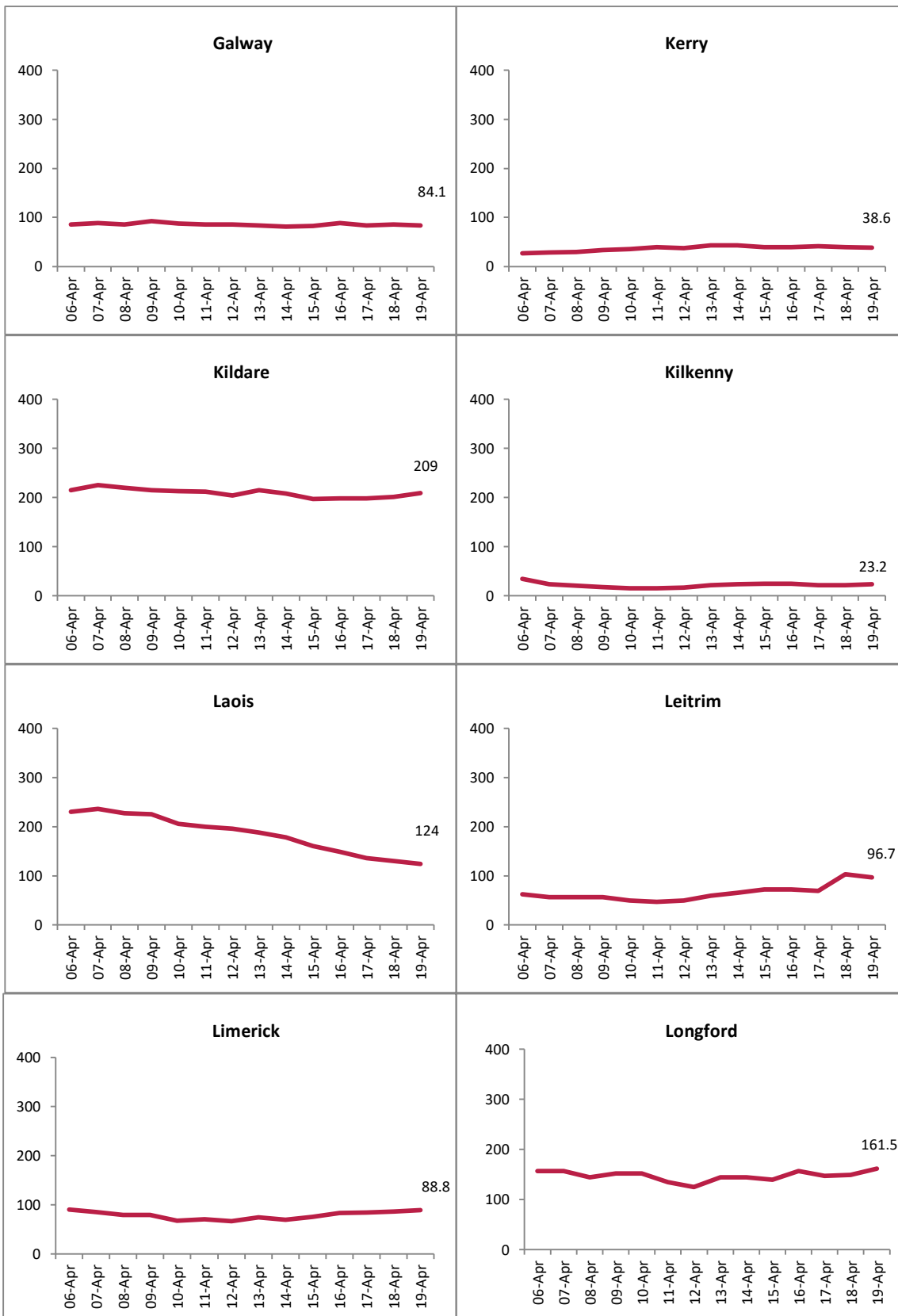
WHO definition of transmission classification is specified below:

- 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 (06/04/2021 to 19/04/2021)





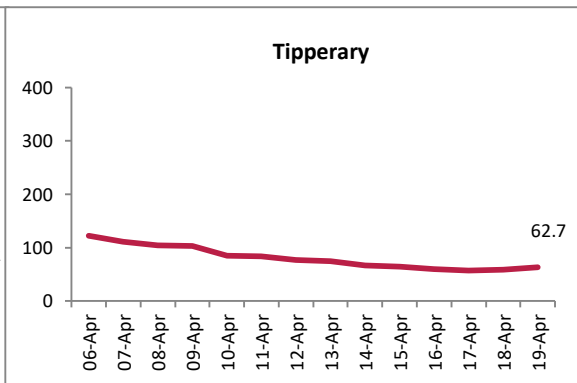
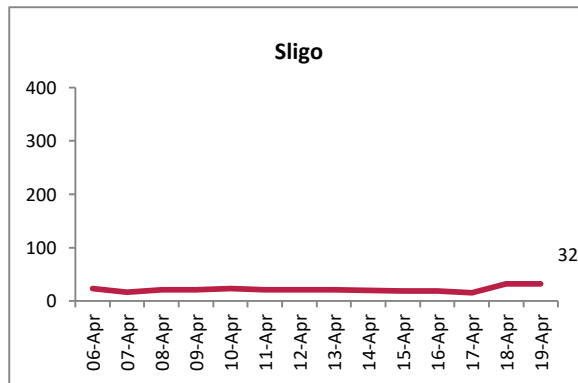
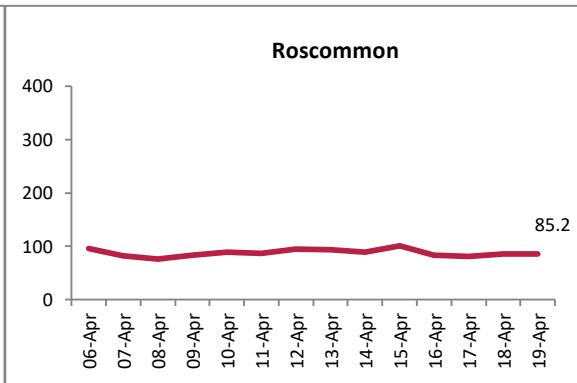
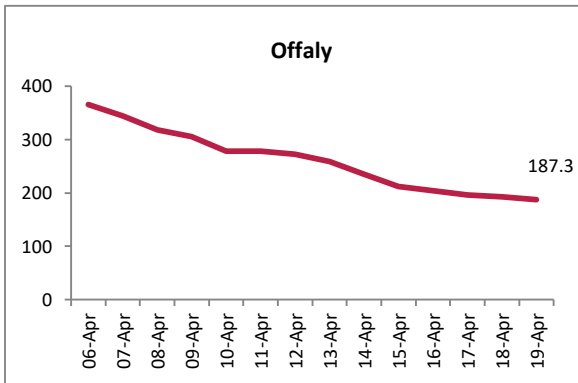
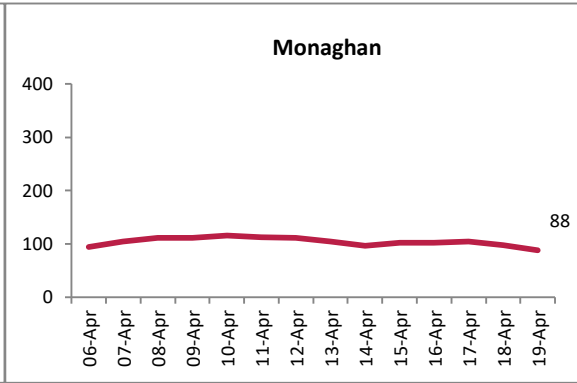
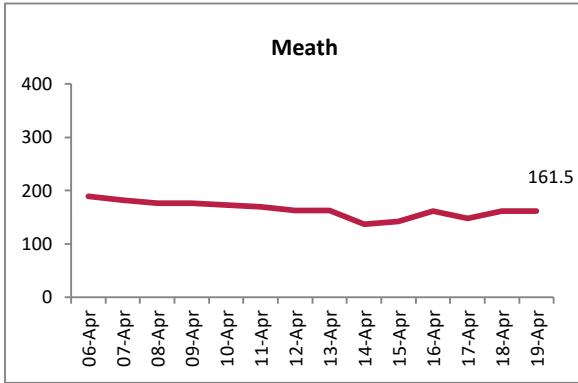
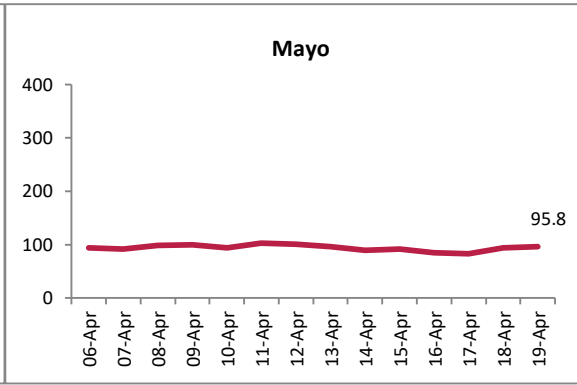
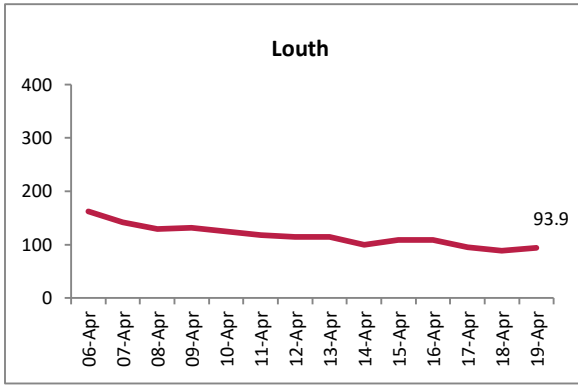




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (06/04/2021 to 19/04/2021)

