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Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 15/04/2021

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Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 15/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 01/04/2021 up to midnight 14/04/2021

	Number	Percent
Total number of confirmed cases	5,837	
National incidence of confirmed cases per 100,000 population	122.58	
Number of cases hospitalised*	227	3.89
Number of cases admitted to ICU*	16	0.27
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	1,519	26.02
Number of imported cases	54	0.93
Number of cases in healthcare workers	136	2.33
Males	2,930	50.2
Females	2,902	49.72
M:F ratio	1.01	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 95	

* 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 01/04/2021 - 14/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:47 on 15/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

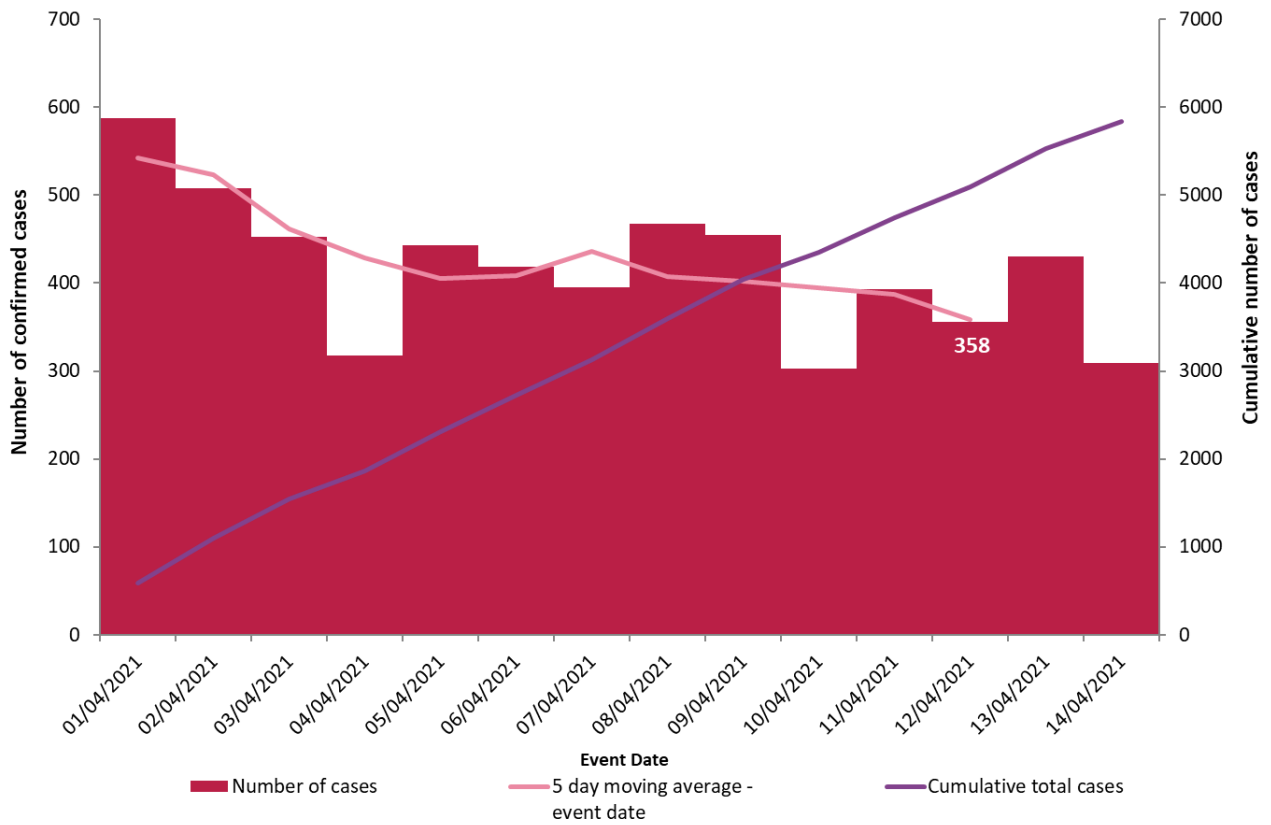


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,837)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 01/04/2021 up to midnight on 14/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,837	100
Sex	Male:Female ratio	1.01	
	Male	2,930	50.2
	Female	2,902	49.72
	Unknown	5	0.09
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 95	
	0-4 yrs	363	6.22
	5-12 yrs	774	13.26
	13-18 yrs	445	7.62
	19-24 yrs	658	11.27
	25-34 yrs	983	16.84
	35-44 yrs	1,084	18.57
	45-54 yrs	711	12.18
	55-64 yrs	474	8.12
	65-74 yrs	207	3.55
	75-84 yrs	104	1.78
	85+ yrs	34	0.58
Symptom status at time of test*	Yes	2,844	48.72
	No	1,292	22.13
	Unknown	1,701	29.14

*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 01/04/2021 to midnight 14/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	495	126.5
CHO2	384	84.7
CHO3	251	65.2
CHO4	333	48.2
CHO5	262	51.3
CHO6	398	103.9
CHO7	1,170	165.3
CHO8	924	149.2
CHO9	1,620	260.7
Total	5,837	122.6

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 01/04/2021 to midnight 14/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (10/04/2021-14/04/2021)
Offaly	184	236.0	12
Kildare	463	208.1	32
Dublin	2584	191.8	149
Donegal	296	185.9	26
Laois	151	178.3	7
Westmeath	136	153.2	6
Longford	58	141.9	4
Cavan	106	139.2	7
Meath	267	136.9	15
Louth	128	99.3	8
Wicklow	141	99.0	6
Monaghan	59	96.1	3
Mayo	117	89.7	8
Roscommon	57	88.3	4
Galway	210	81.4	10
Limerick	137	70.3	14
Waterford	79	68.0	8
Wexford	100	66.8	6
Tipperary	106	66.4	4
Leitrim	21	65.5	3
Cork	269	49.6	11
Kerry	64	43.3	6
Carlow	24	42.2	3
Clare	44	37.0	4
Kilkenny	23	23.2	2
Sligo	13	19.8	0
Total	5,837	122.6	358

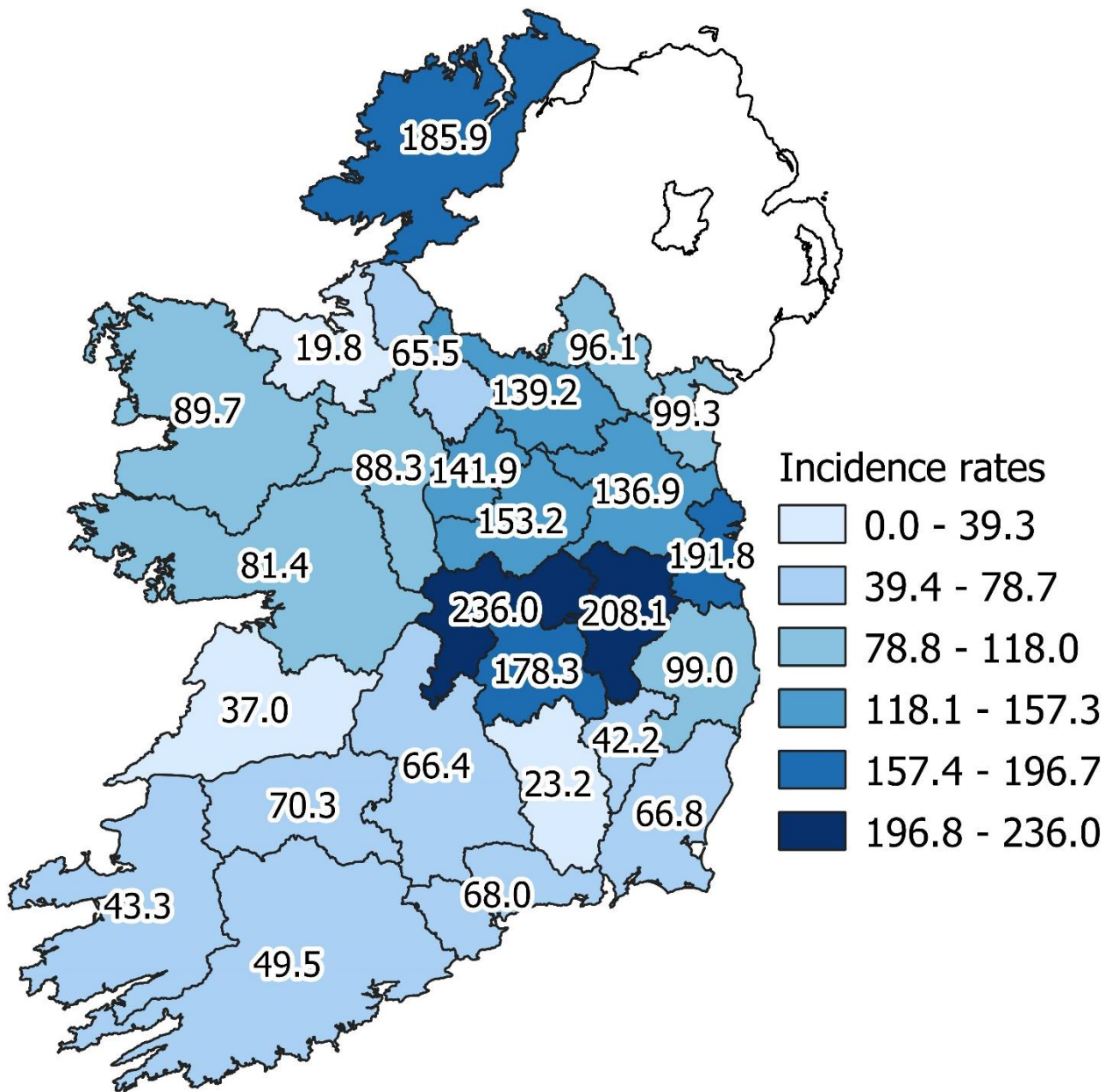


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 01/04/2021 and 14/04/2021

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 01/04/2021 and 14/04/2021

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	113	83.0
CCA2	Dublin South East	148	119.6
CCA3	Dublin South City	155	103.4
CCA4	Dublin South West	257	159.7
CCA5	Dublin West	291	187.3
CCA6	Dublin North West	687	330.8
CCA7	Dublin North Central	363	234.8
CCA8	Dublin North	570	219.9
	Dublin	2,584	191.8

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

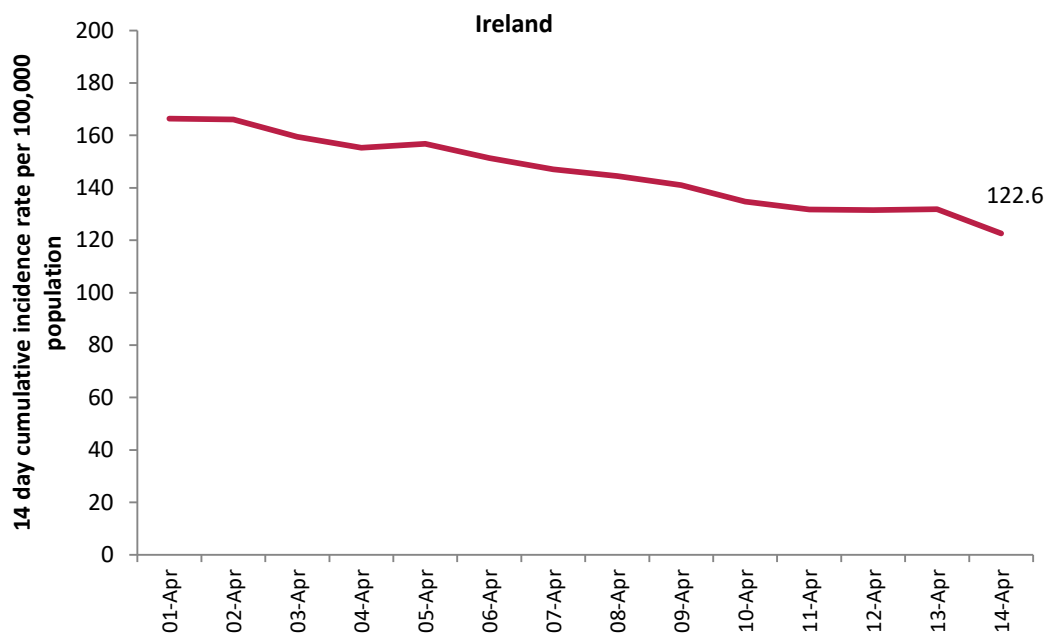


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (01/04/2021 to 14/04/2021)

*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 01/04/2021 to midnight 14/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	180	3.08%
Close contact with a known confirmed case	2,443	41.85%
Healthcare setting acquired: patient	81	1.39%
Healthcare setting acquired: staff	22	0.38%
Community transmission	964	16.52%
Under investigation	2,147	36.78%
Total	5,837	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 01/04/2021 to midnight 14/04/2021 by age group, hospitalisation and ICU admission*.

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)
0-4 yrs	363	6	2.64	<5
5-12 yrs	774	7	3.08	0
13-24 yrs [^]	1,103	10	4.41	<5
25-34 yrs	983	28	12.33	<5
35-44 yrs	1,084	32	14.10	<5
45-54 yrs	711	36	15.86	<5
55-64 yrs	474	34	14.98	<5
65-74 yrs	207	20	8.81	<5
75-84 yrs	104	36	15.86	<5
85+ yrs	34	18	7.93	<5
Total	5,837	227	100.00	16

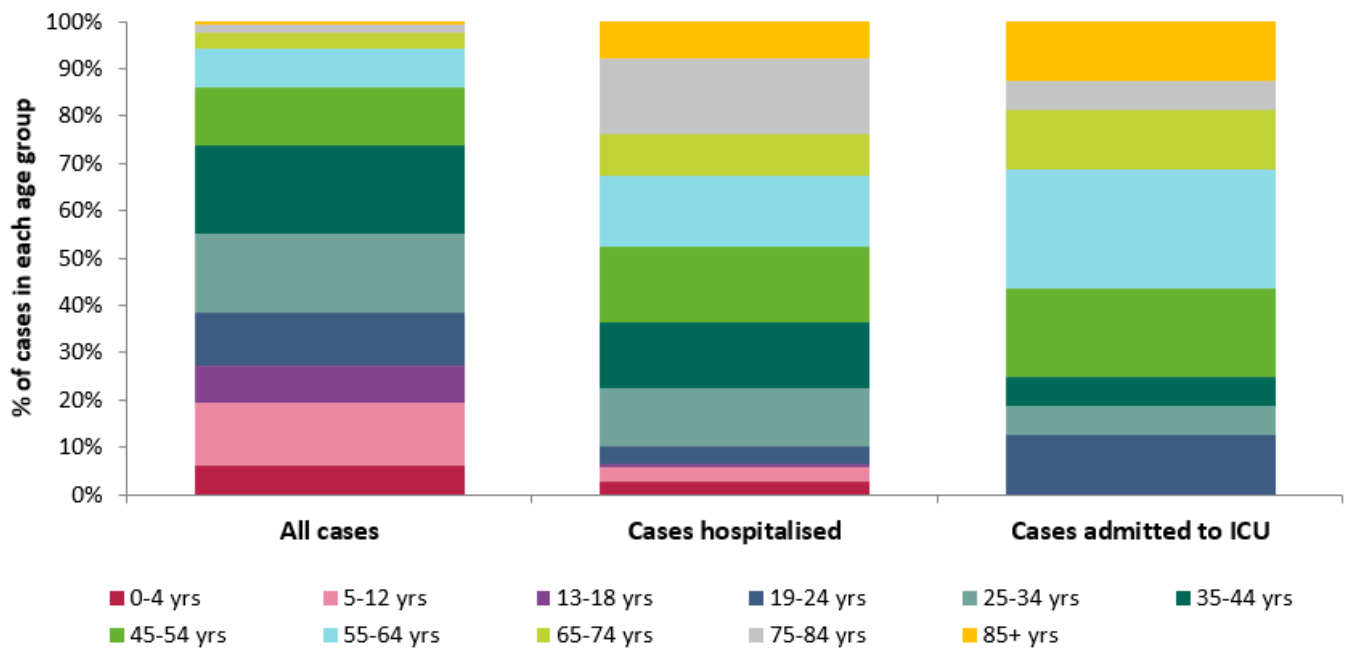


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 01/04/2021 to midnight 14/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 01/04/2021 up to midnight 14/04/2021

	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 01/04/2021 up to midnight 14/04/2021

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.

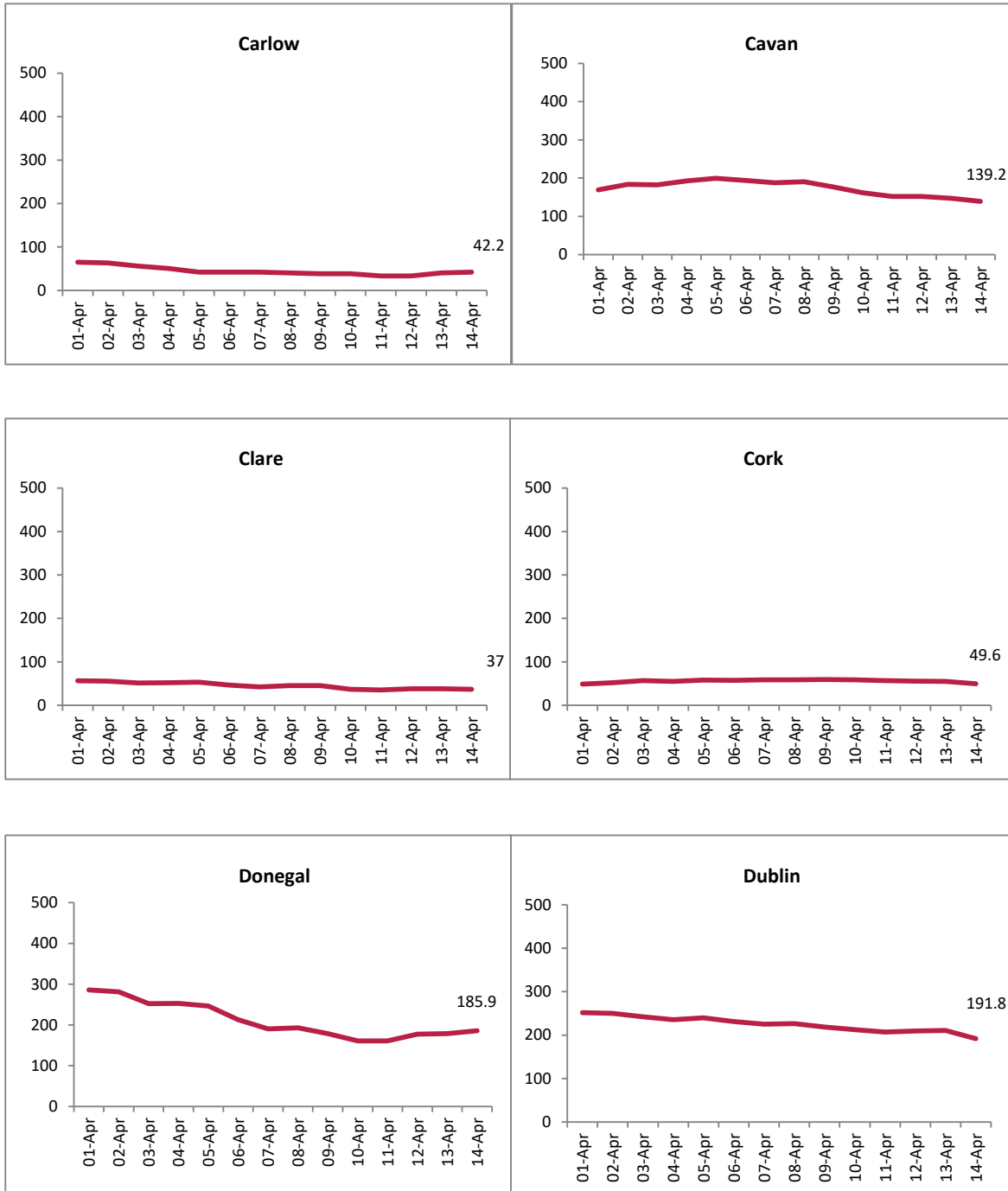
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

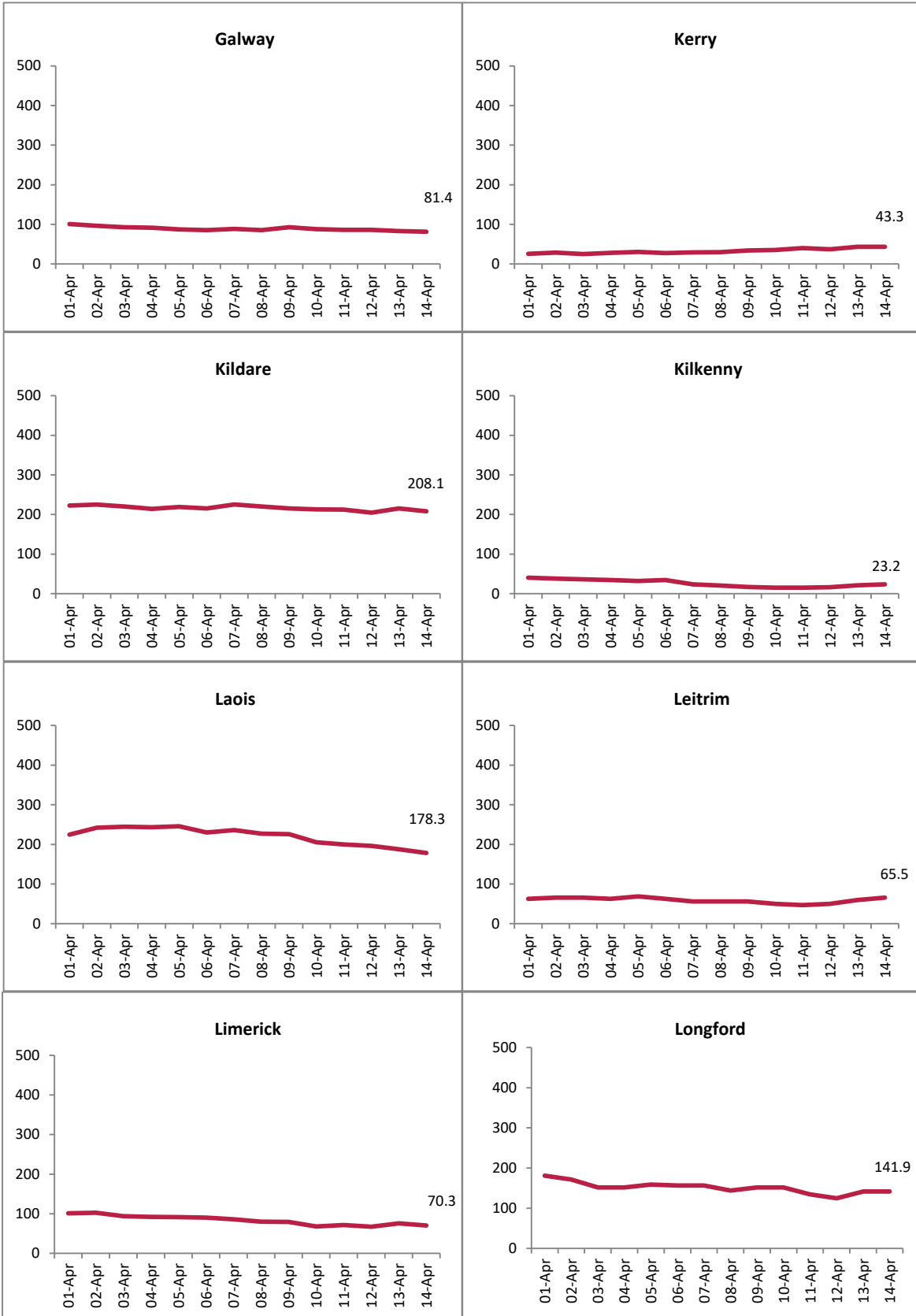
WHO definition of transmission classification is specified below:

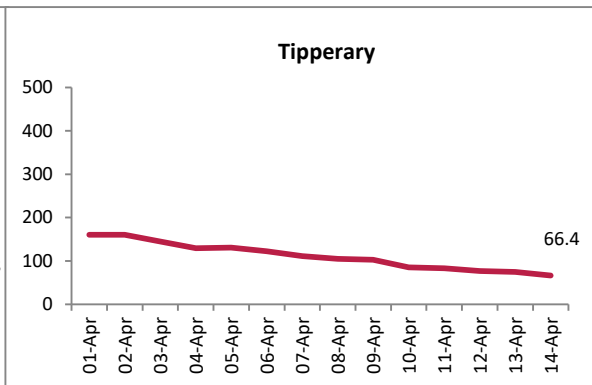
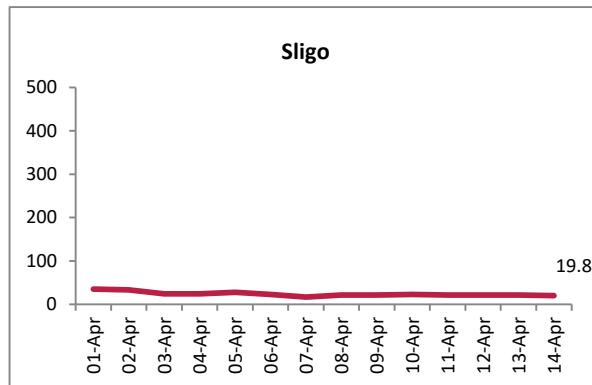
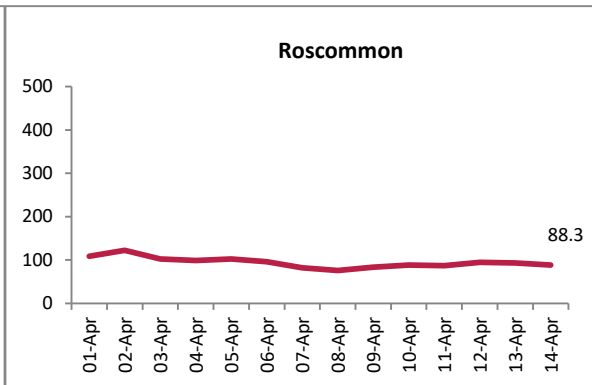
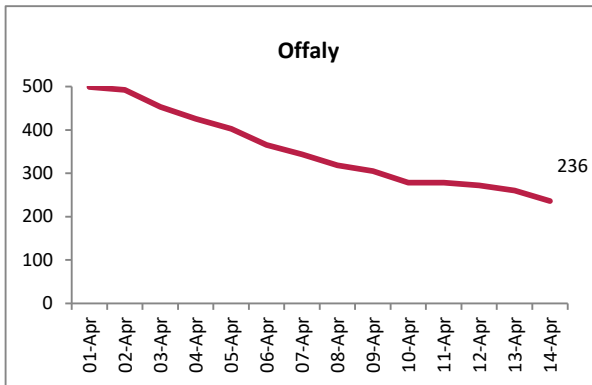
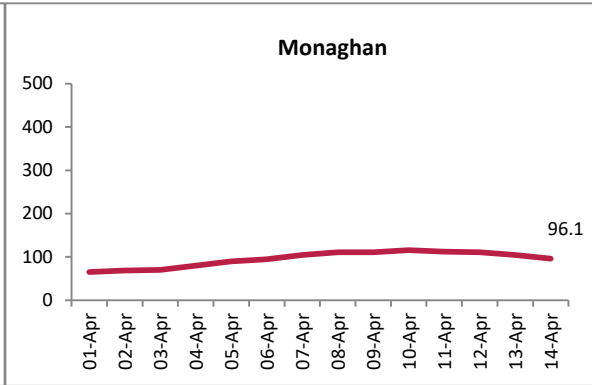
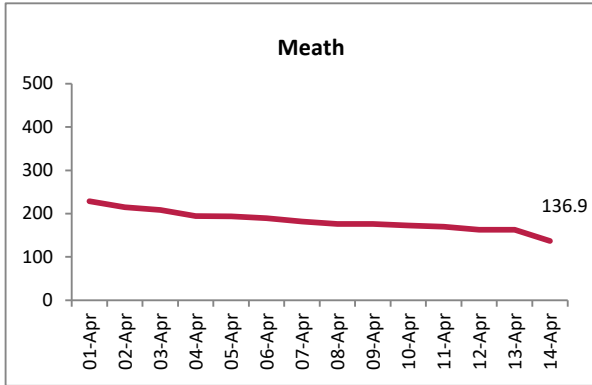
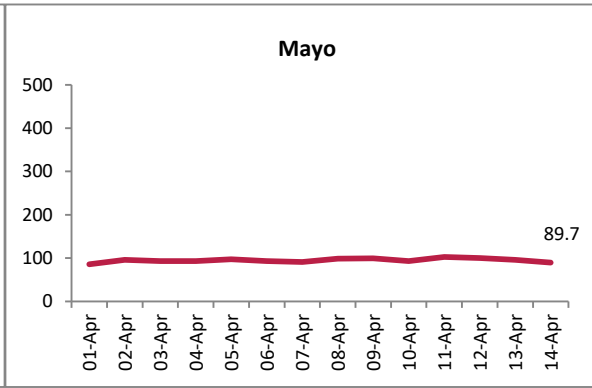
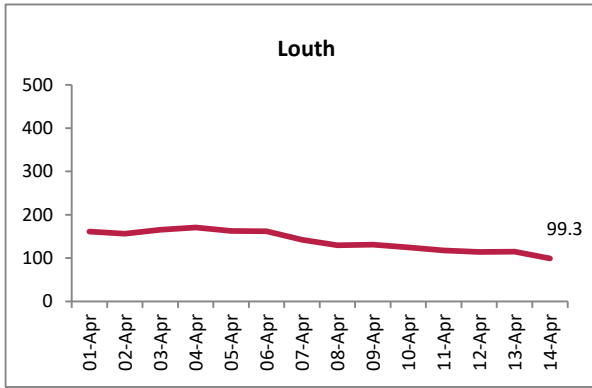
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (01/04/2021 to 14/04/2021)







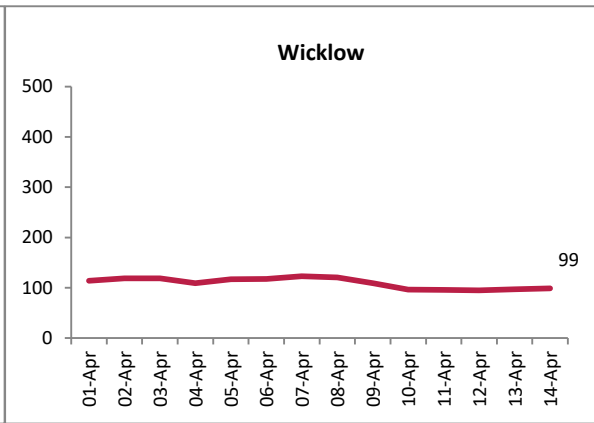
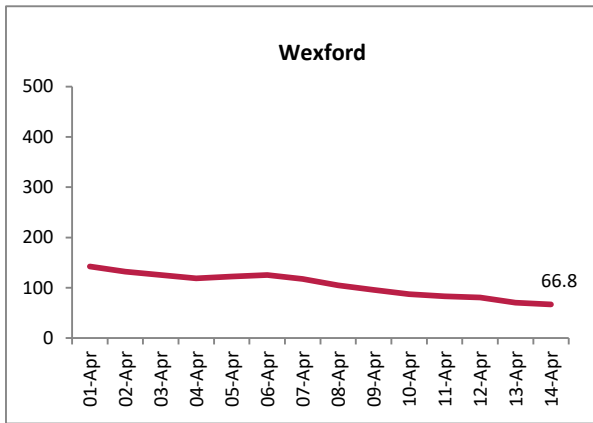
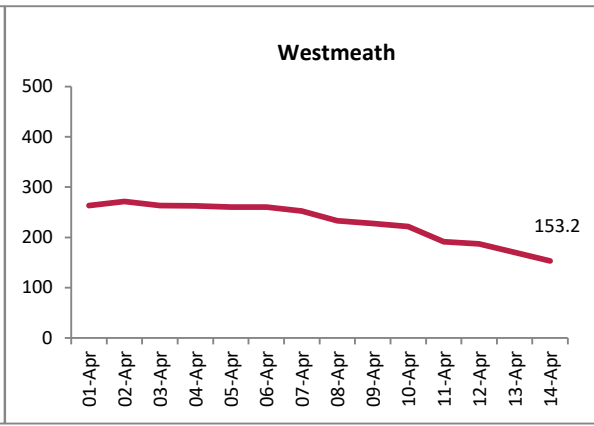
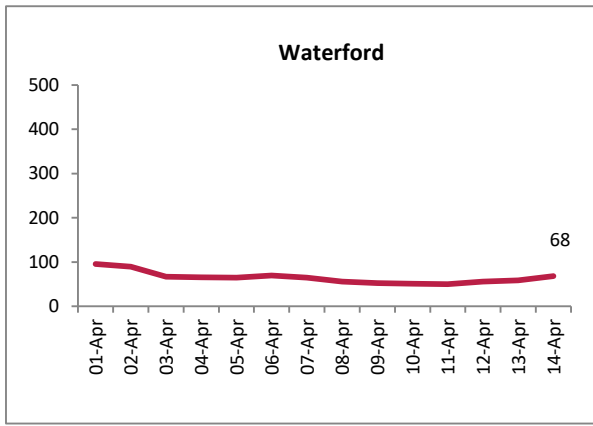


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (01/04/2021 to 14/04/2021)

