



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 06/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 23/03/2021 up to midnight 05/04/2021

	Number	Percent
Total number of confirmed cases	7,482	
National incidence of confirmed cases per 100,000 population	157.12	
Number of cases hospitalised*	272	3.64
Number of cases admitted to ICU*	14	0.19
Number of deaths among confirmed cases	7	0.09
Case fatality ratio (CFR, %)	0.09	
National incidence of confirmed deaths per 100,000 population	0.15	
Number of cases** associated with clusters	1,650	22.05
Number of imported cases	23	0.31
Number of cases in healthcare workers	189	2.53
Males	3,782	50.55
Females	3,693	49.36
M:F ratio	1.02	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 97	

* 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
23/03/2021 - 05/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:39 on 06/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

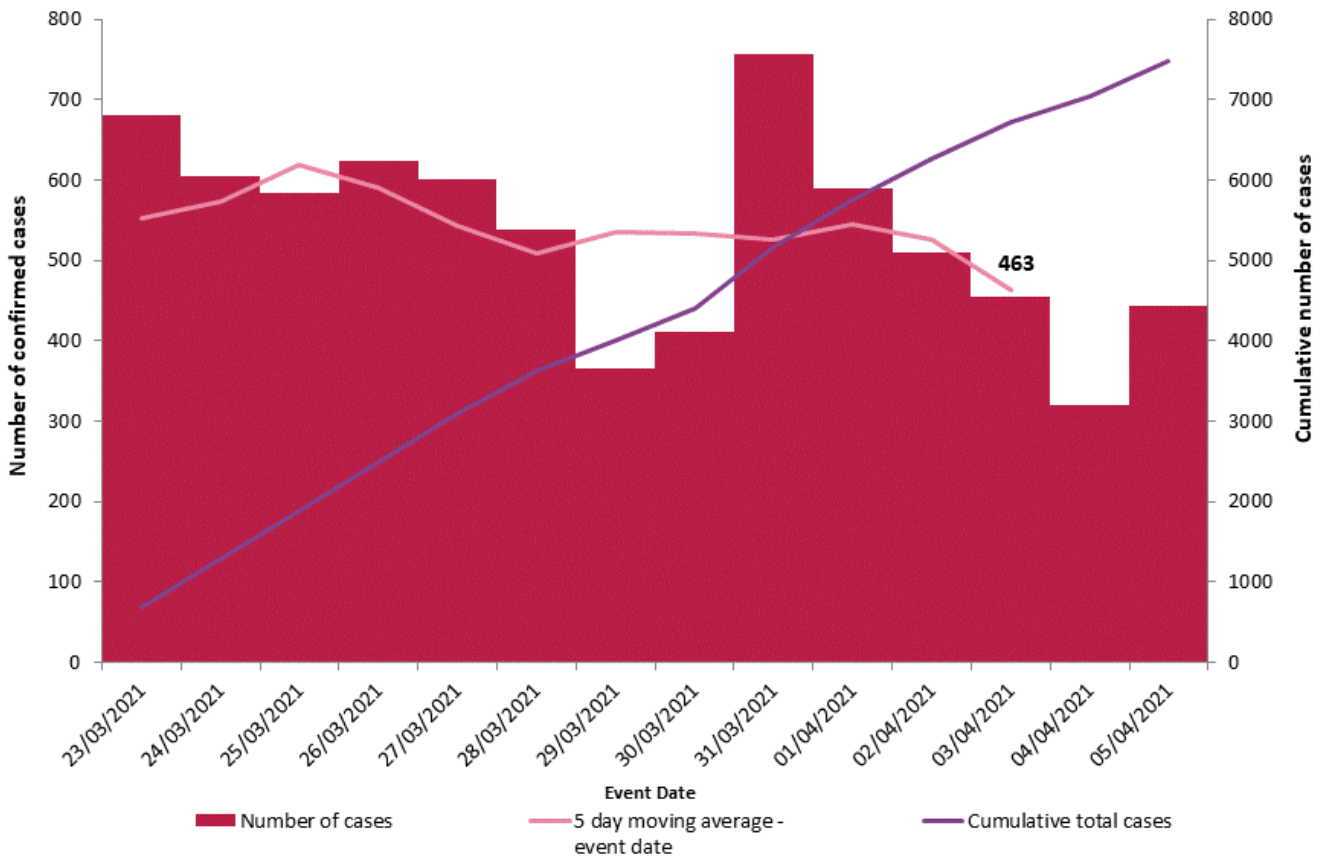


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,482)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 23/03/2021 up to midnight on 05/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,482	100
Sex	Male:Female ratio	1.02	
	Male	3,782	50.55
	Female	3,693	49.36
	Unknown	7	0.09
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 97	
	0-4 yrs	574	7.67
	5-12 yrs	1,027	13.73
	13-18 yrs	558	7.46
	19-24 yrs	762	10.18
	25-34 yrs	1,172	15.66
	35-44 yrs	1,407	18.81
	45-54 yrs	892	11.92
	55-64 yrs	579	7.74
	65-74 yrs	306	4.09
	75-84 yrs	146	1.95
	85+ yrs	59	0.79
Symptom status at time of test*	Yes	4,193	56.04
	No	1,757	23.48
	Unknown	1,532	20.48

*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 23/03/2021 to midnight 05/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	639	163.3
CHO2	416	91.8
CHO3	374	97.1
CHO4	361	52.3
CHO5	396	77.6
CHO6	515	134.4
CHO7	1,427	201.6
CHO8	1,408	227.4
CHO9	1,946	313.2
Total	7,482	157.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 23/03/2021 to midnight 05/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (01/04/2021-05/04/2021)
Offaly	318	407.9	15
Westmeath	231	260.2	13
Donegal	392	246.2	18
Laois	207	244.4	16
Dublin	3,235	240.1	213
Kildare	487	218.9	27
Cavan	153	200.9	9
Meath	378	193.8	20
Louth	210	162.9	13
Longford	64	156.6	3
Tipperary	207	129.7	10
Wexford	183	122.2	9
Wicklow	166	116.6	15
Roscommon	65	100.7	5
Mayo	127	97.3	7
Limerick	178	91.3	6
Monaghan	55	89.6	5
Galway	224	86.8	14
Waterford	81	69.7	5
Leitrim	21	65.5	1
Cork	315	58.0	27
Clare	65	54.7	3
Carlow	24	42.2	1
Kilkenny	32	32.2	1
Kerry	46	31.1	5
Sligo	18	27.5	2
Total	7,482	157.1	463

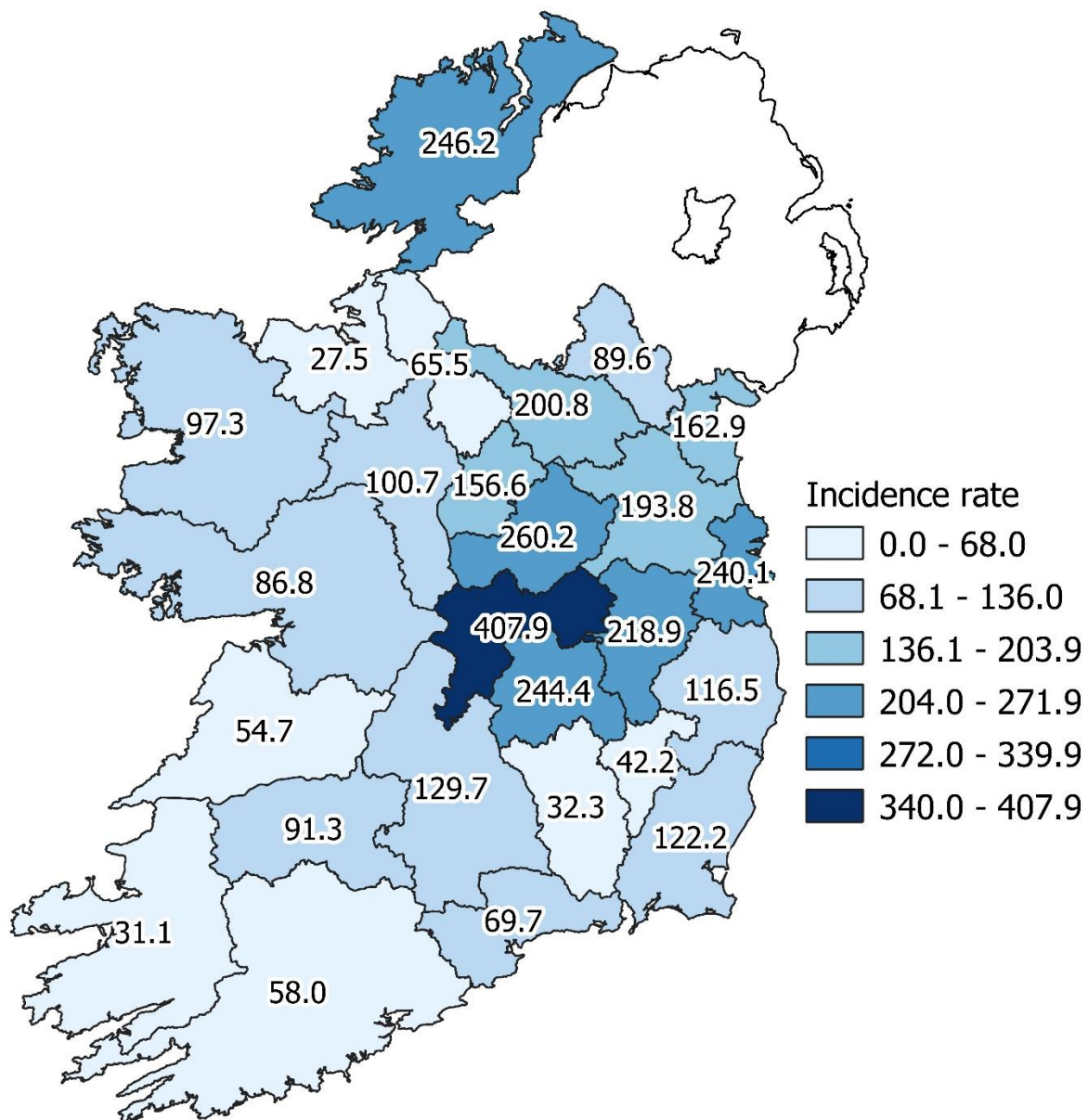


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 23/03/2021 and 05/04/2021

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 23/03/2021 and 05/04/2021

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	112	82.3
CCA2	Dublin South East	242	195.6
CCA3	Dublin South City	196	130.7
CCA4	Dublin South West	376	233.7
CCA5	Dublin West	363	233.7
CCA6	Dublin North West	748	360.2
CCA7	Dublin North Central	481	311.2
CCA8	Dublin North	717	276.7
	Dublin	3,235	240.1

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

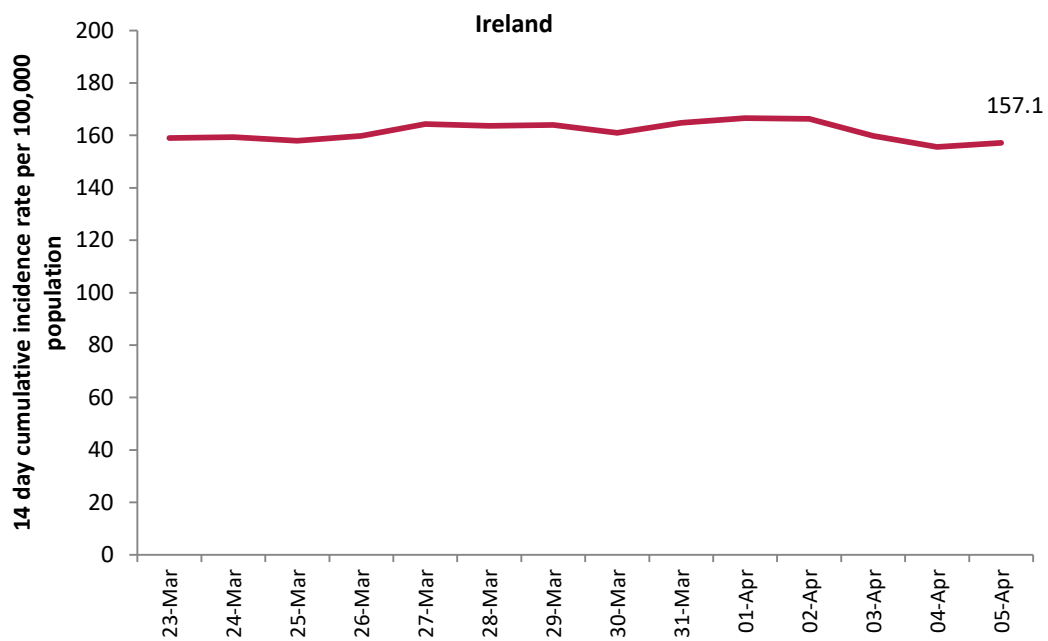


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (23/03/2021 to 05/04/2021)

*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 23/03/2021 to midnight 05/04/2021

Most likely transmission source	Number of cases	Percent
Travel related *	107	1.43%
Close contact with a known confirmed case	2,768	37.00%
Healthcare setting acquired: patient	102	1.36%
Healthcare setting acquired: staff	37	0.49%
Community transmission	1,533	20.49%
Under investigation	2,935	39.23%
Total	7,482	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 23/03/2021 to midnight 05/04/2021 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	574	10	3.68	0
5-12 yrs	1,027	7	2.57	0
13-18 yrs	558	5	1.84	0
19-24 yrs	762	7	2.57	0
25-34 yrs	1,172	22	8.09	0
35-44 yrs	1,407	39	14.34	<5
45-54 yrs	892	32	11.76	<5
55-64 yrs	579	36	13.24	<5
65-74 yrs	306	44	16.18	<5
75-84 yrs	146	42	15.44	<5
85+ yrs	59	28	10.29	<5
Total	7,482	272	100	14

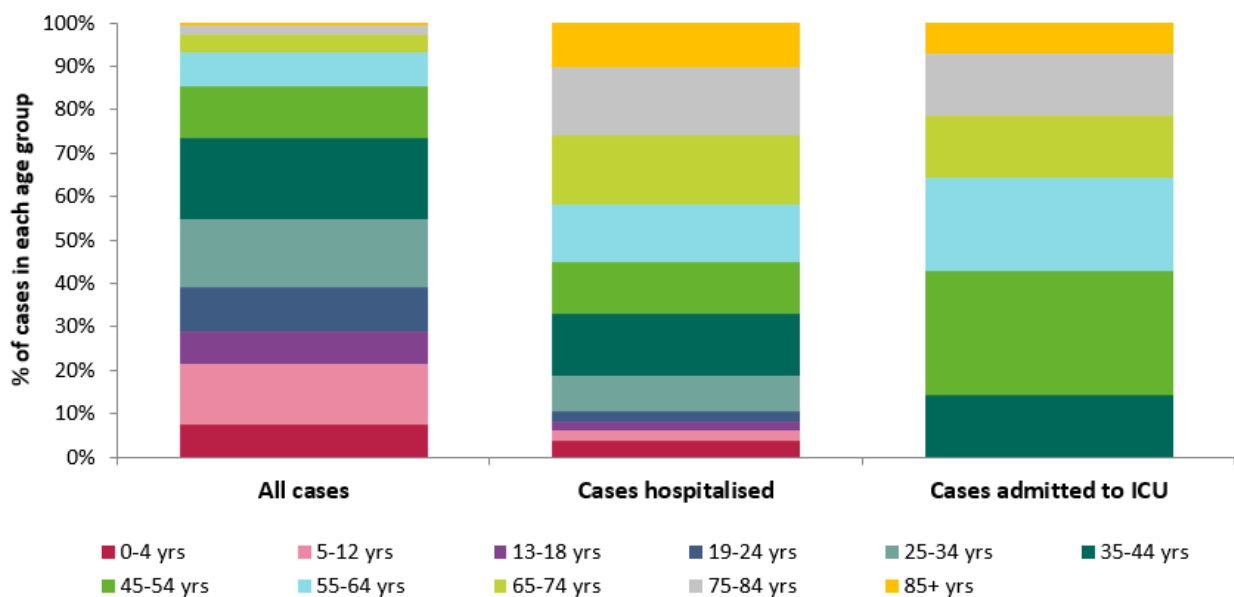


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 23/03/2021 to midnight 05/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* The number of cases hospitalised and admitted to ICU 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 23/03/2021 up to midnight 05/04/2021

	Number	Percent
Total number of deaths	8	
Confirmed	7	87.5
Probable	1	12.5
Total number of cases hospitalised	5	62.5
Total number of male cases	4	50
M:F ratio	1	
Median age (years)	80	
Mean age (years)	79	
Age range (years)	59 - 91	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 23/03/2021 up to midnight 05/04/2021

Age group (years)	Female	Male	Total	Percent
> 55 yrs	4	4	8	100
Total	4	4	8	100
Percent	50	50		

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.

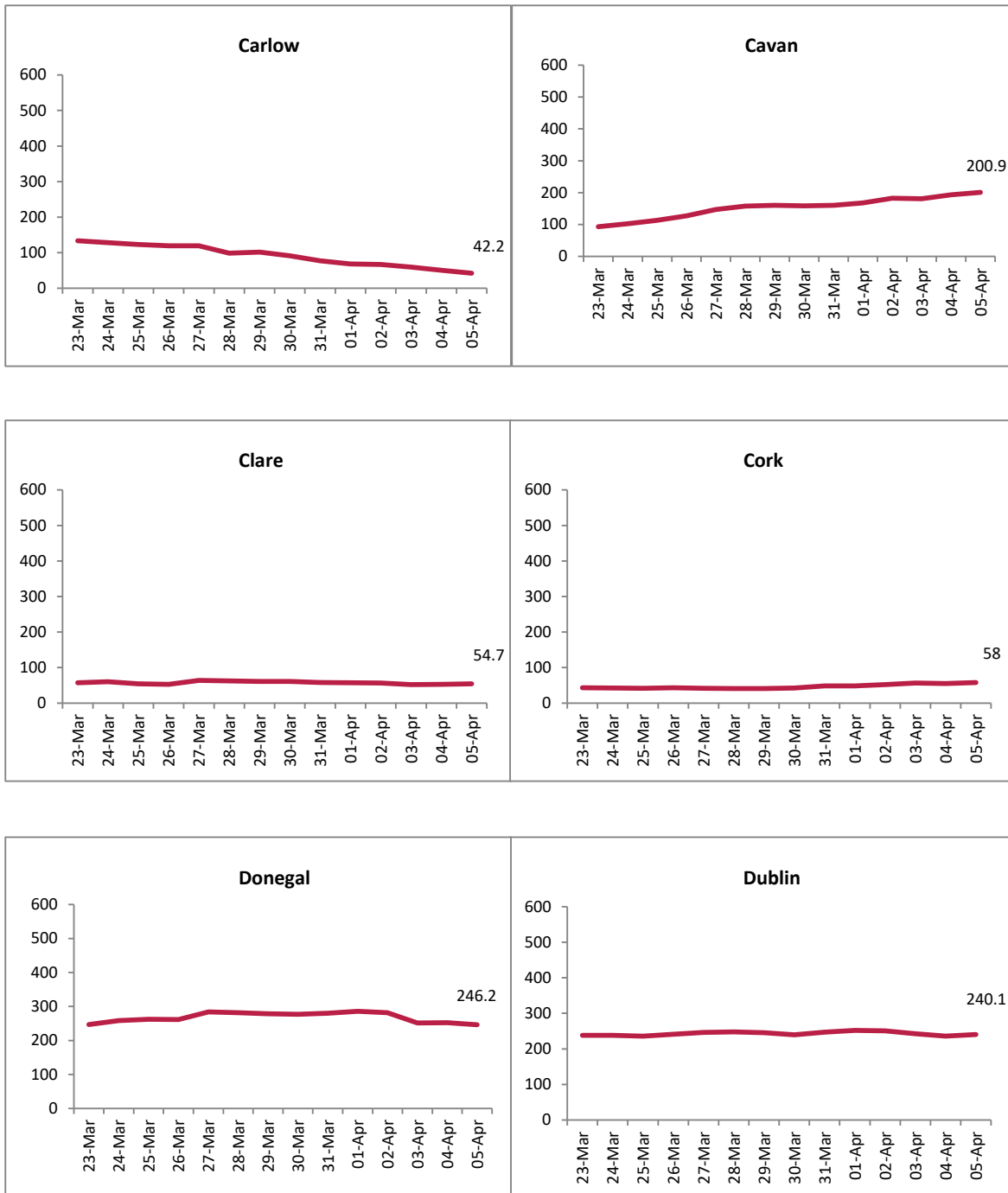
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

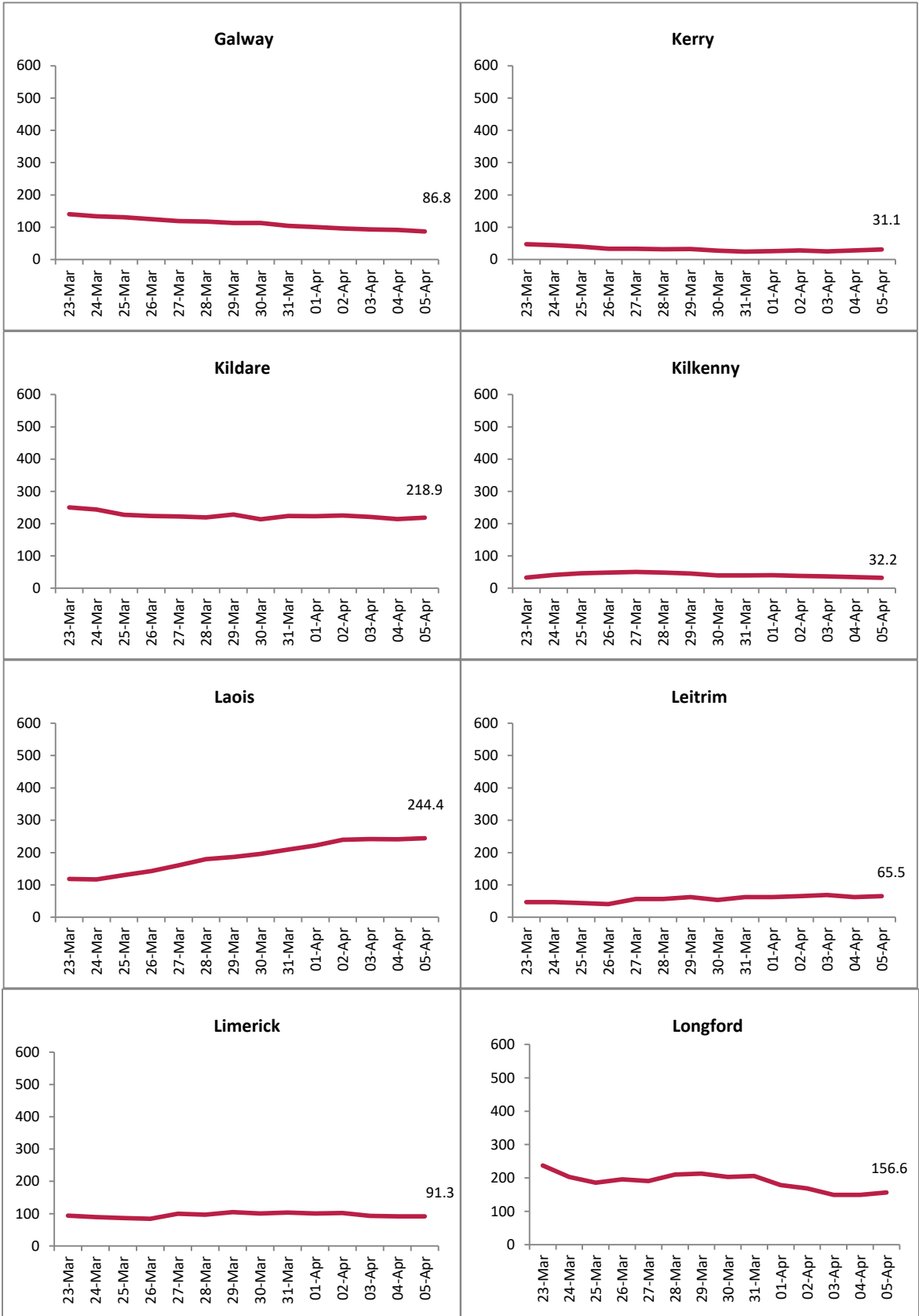
WHO definition of transmission classification is specified below:

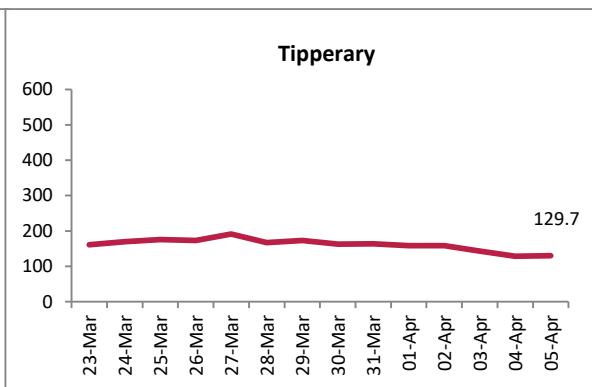
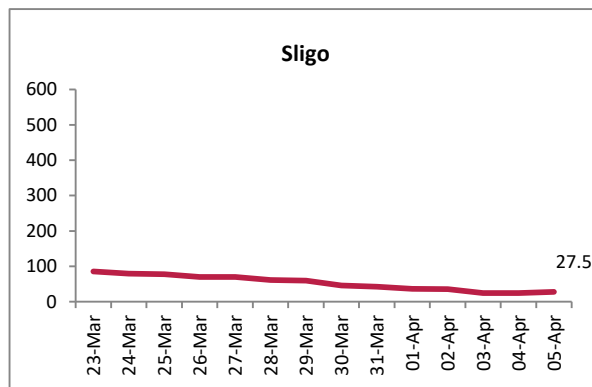
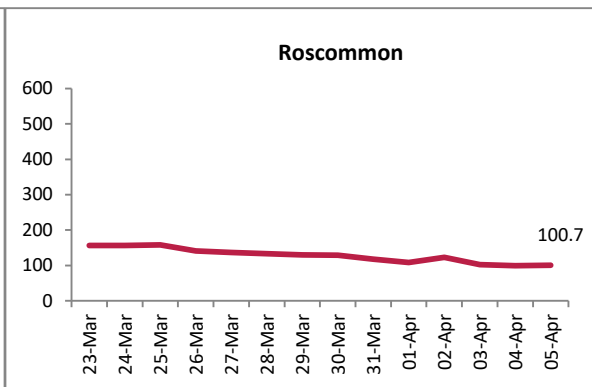
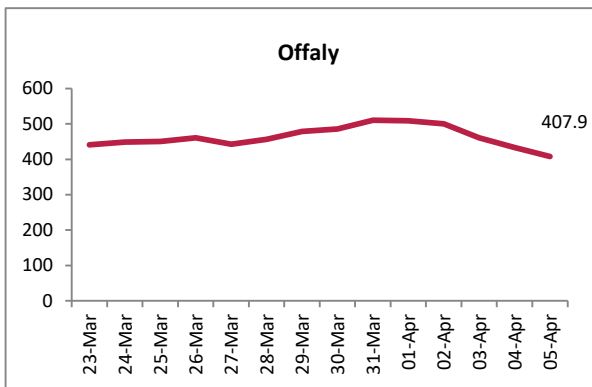
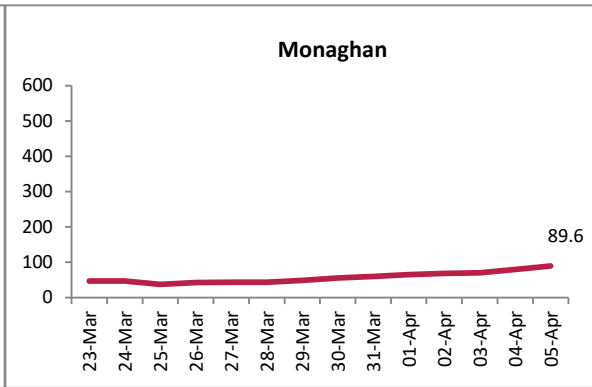
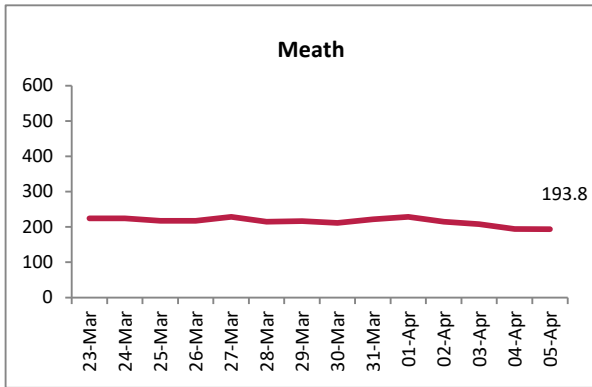
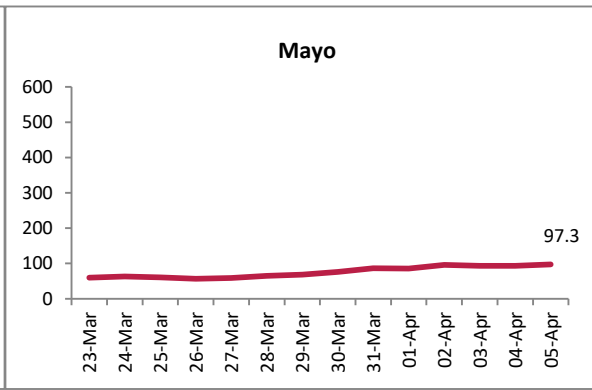
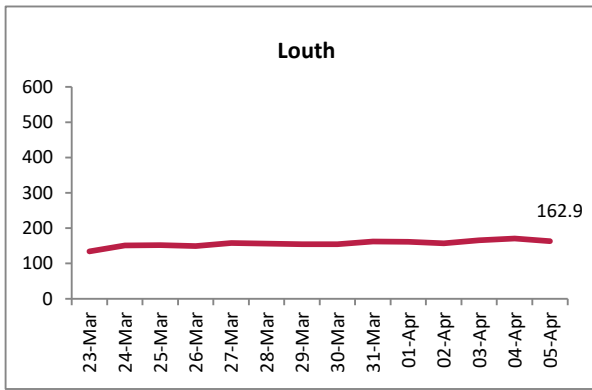
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (23/03/2021 to 05/04/2021)







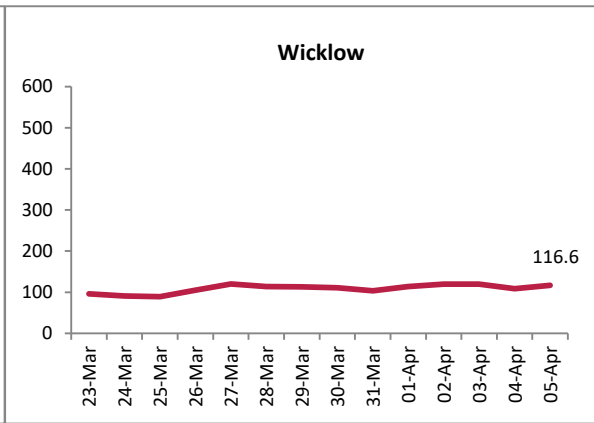
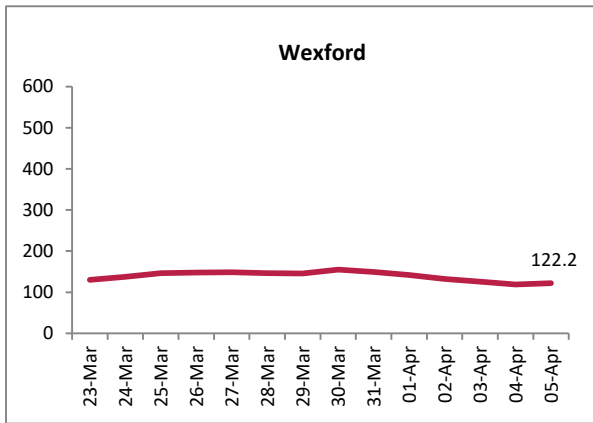
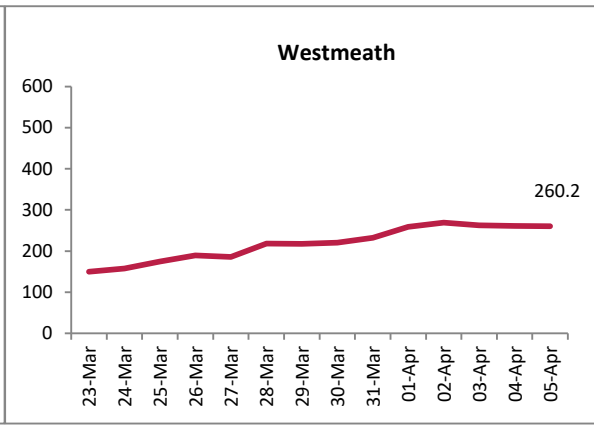
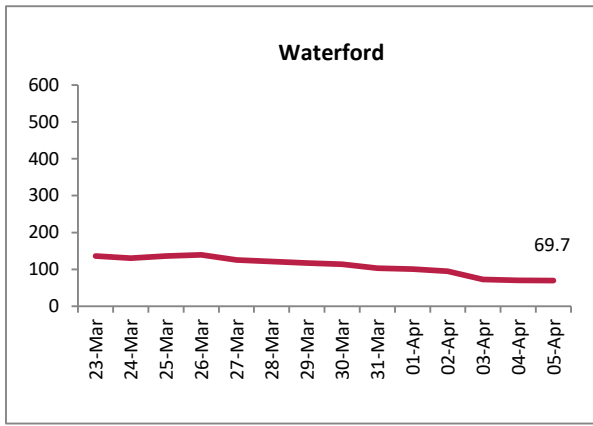


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (23/03/2021 to 05/04/2021)

