



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 21/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 07/04/2021 up to midnight 20/04/2021

	Number	Percent
Total number of confirmed cases	5,402	
National incidence of confirmed cases per 100,000 population	113.44	
Number of cases hospitalised*	216	4
Number of cases admitted to ICU*	17	0.31
Number of deaths among confirmed cases	7	0.13
Case fatality ratio (CFR, %)	0.13	
National incidence of confirmed deaths per 100,000 population	0.15	
Number of cases** associated with clusters	1,434	26.55
Number of imported cases	45	0.83
Number of cases in healthcare workers	165	3.05
Males	2,729	50.52
Females	2,663	49.3
M:F ratio	1.02	
Median age (years)	32	
Mean age (years)	33	
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 07/04/2021 - 20/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:41 on 21/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

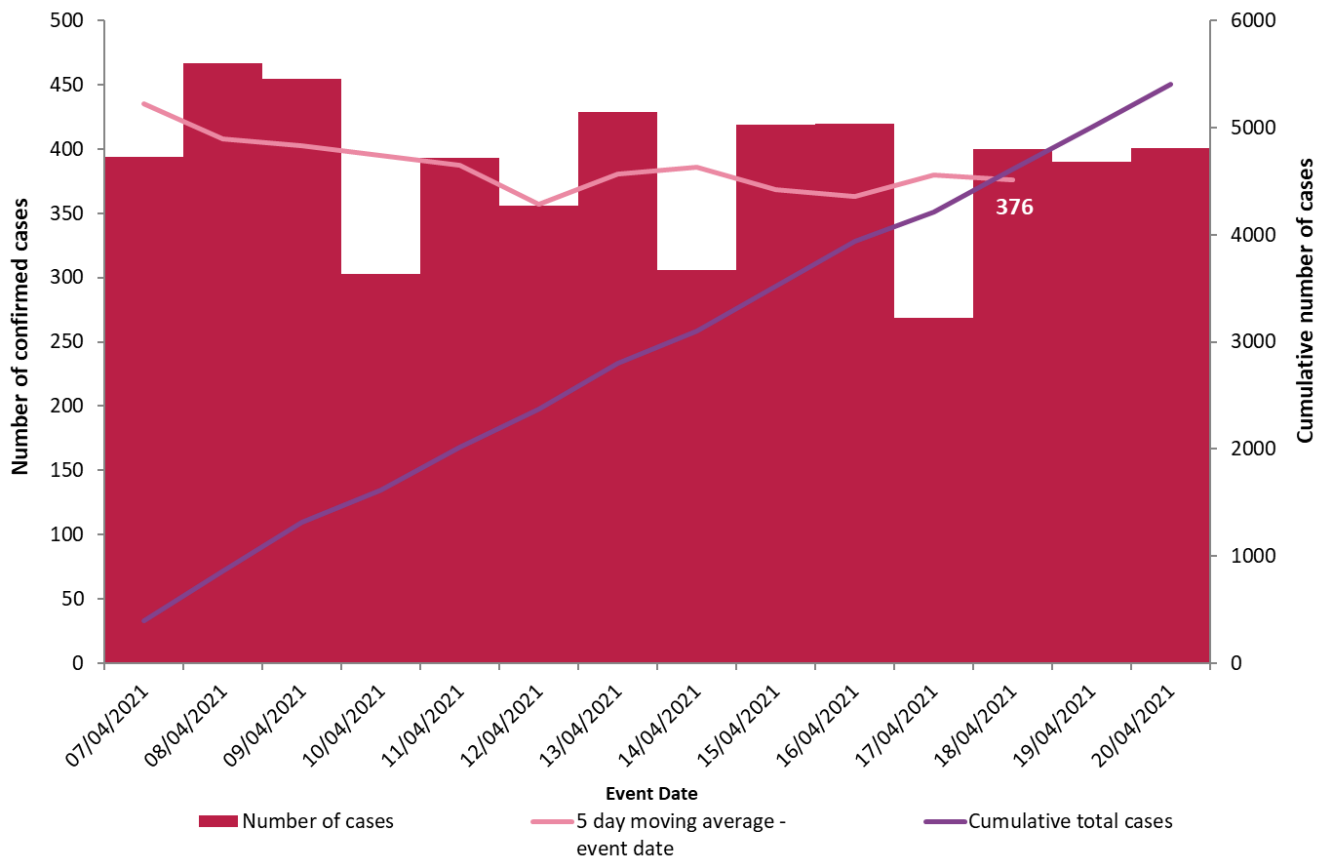


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,402)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 07/04/2021 up to midnight on 20/04/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,402	100
Sex	Male:Female ratio	1.02	
	Male	2,729	50.52
	Female	2,663	49.3
	Unknown	10	0.19
Age	Median age (years)	32	
	Mean age (years)	33	
	Age range (years)	0 - 93	
	0-4 yrs	324	6
	5-12 yrs	642	11.88
	13-18 yrs	486	9
	19-24 yrs	577	10.68
	25-34 yrs	941	17.42
	35-44 yrs	982	18.18
	45-54 yrs	701	12.98
	55-64 yrs	449	8.31
	65-74 yrs	196	3.63
	75-84 yrs	77	1.43
	85+ yrs	27	0.5
Symptom status at time of test*	Yes	2,846	52.68
	No	1,223	22.64
	Unknown	1,333	24.68

*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 07/04/2021 to midnight 20/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	530	135.5
CHO2	379	83.6
CHO3	307	79.7
CHO4	260	37.6
CHO5	219	42.9
CHO6	377	98.4
CHO7	1,062	150.1
CHO8	870	140.5
CHO9	1,397	224.8
Unknown	1	
Total	5,402	113.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 07/04/2021 to midnight 20/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (16/04/2021-20/04/2021)
Donegal	342	214.8	24
Kildare	466	209.4	33
Offaly	147	188.6	7
Longford	72	176.2	7
Dublin	2,267	168.3	158
Meath	310	158.9	25
Westmeath	115	129.5	9
Laois	107	126.3	6
Cavan	84	110.3	4
Leitrim	31	96.7	3
Louth	119	92.3	9
Mayo	119	91.2	8
Limerick	177	90.8	14
Roscommon	54	83.7	3
Monaghan	51	83.1	2
Galway	206	79.8	13
Wicklow	103	72.3	6
Tipperary	114	71.4	13
Carlow	40	70.3	3
Waterford	66	56.8	3
Wexford	62	41.4	3
Kerry	59	39.9	3
Clare	47	39.6	2
Cork	201	37.0	13
Sligo	22	33.6	3
Kilkenny	21	21.2	1
Total	5,402	113.4	376

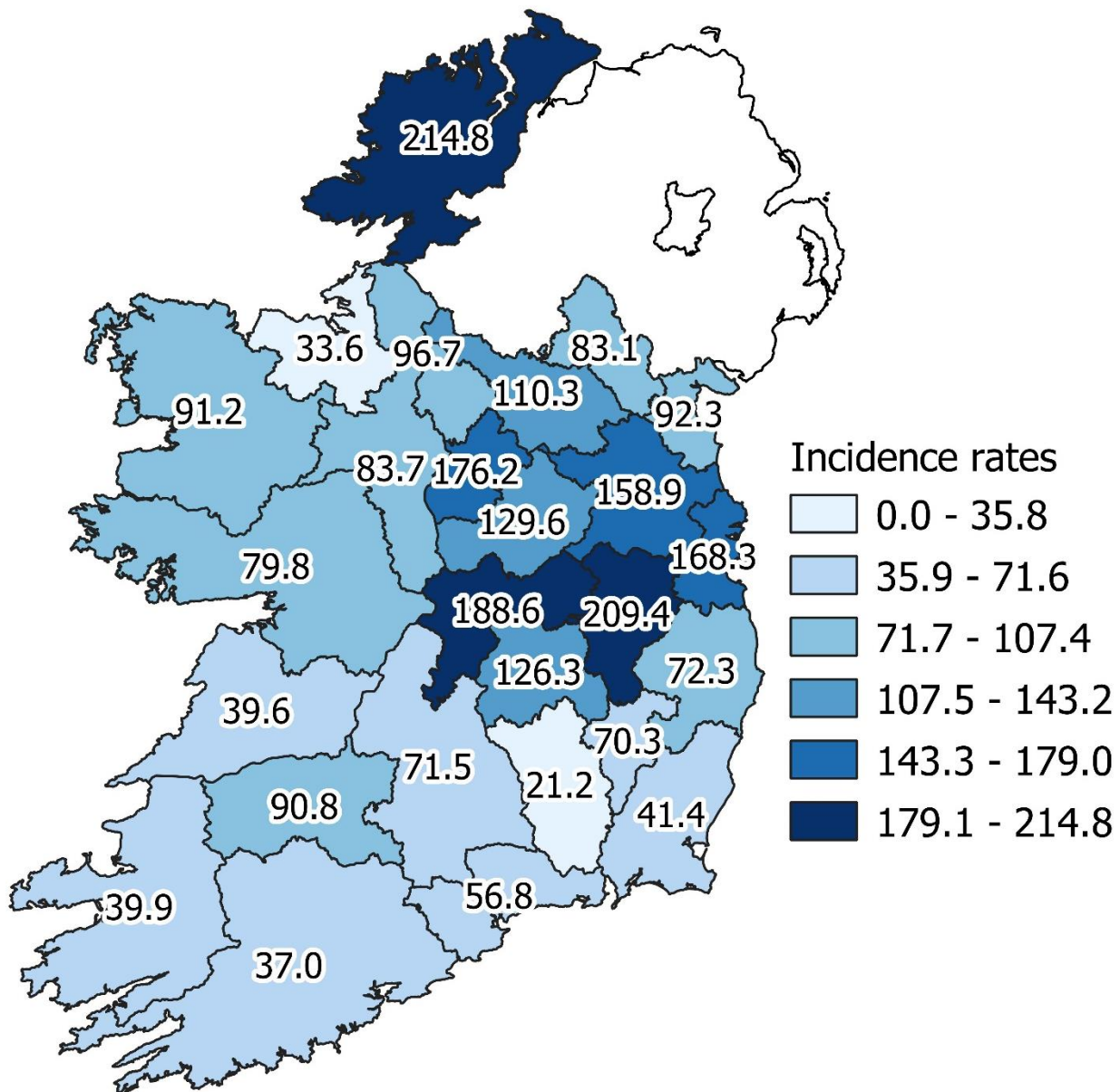


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 07/04/2021 and 20/04/2021

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 07/04/2021 and 20/04/2021

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	132	97.0
CCA2	Dublin South East	145	117.2
CCA3	Dublin South City	112	74.7
CCA4	Dublin South West	228	141.7
CCA5	Dublin West	253	162.9
CCA6	Dublin North West	654	314.9
CCA7	Dublin North Central	312	201.8
CCA8	Dublin North	431	166.3
Dublin		2,267	168.3

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

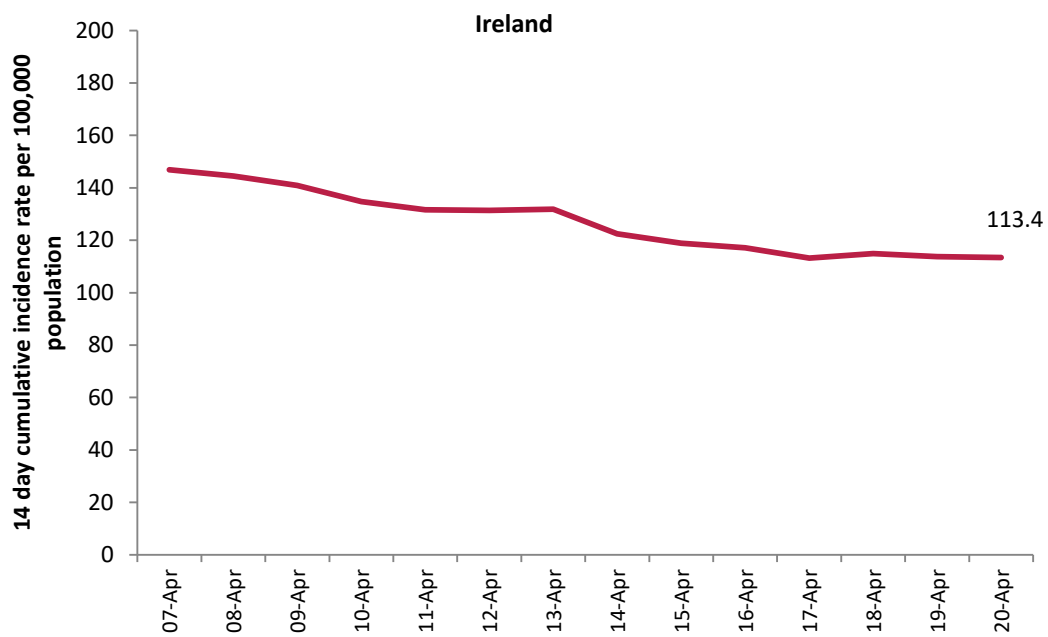


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (07/04/2021 to 20/04/2021)

*14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 4 of this report

Table 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 07/04/2021 to midnight 20/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related [^]	255	4.72%
Close contact with a known confirmed case	3,064	56.72%
Healthcare setting acquired: patient	80	1.48%
Healthcare setting acquired: staff	32	0.59%
Community transmission	982	18.18%
Under investigation	989	18.31%
Total	5,402	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 07/04/2021 to midnight 20/04/2021 by age group, hospitalisation and ICU admission*.

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)
0-12 yrs [^]	966	9	4.17	0
13-18 yrs	486	5	2.31	0
19-24 yrs	577	8	3.70	<5
25-34 yrs	941	28	12.96	<5
35-44 yrs	982	27	12.50	<5
45-54 yrs	701	31	14.35	<5
55-64 yrs	449	36	16.67	<5
65-74 yrs	196	31	14.35	<5
75-84 yrs	77	28	12.96	<5
85+ yrs	27	13	6.02	0
Total	5,402	216	100	17

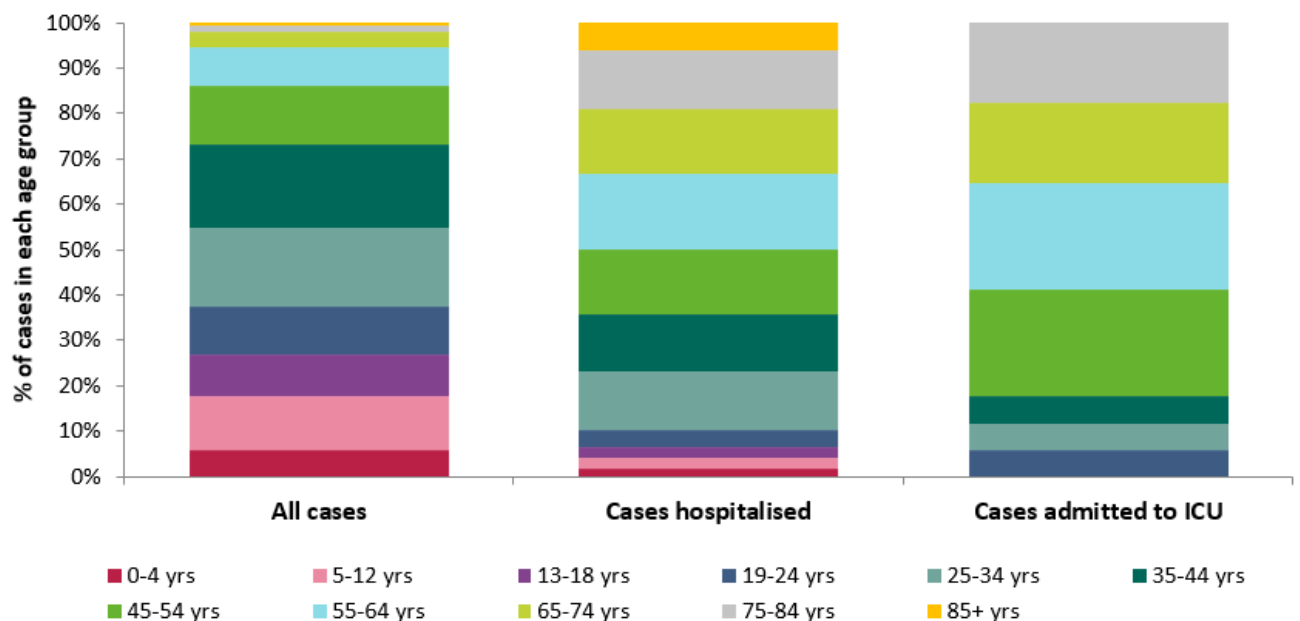


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 07/04/2021 to midnight 20/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 07/04/2021 up to midnight 20/04/2021

	Number	Percent
Total number of deaths	10	
Confirmed	7	70
Probable	1	10
Possible	2	20
Total number of cases hospitalised	8	80
Total number of male cases	3	30
M:F ratio	0.5	
Median age (years)	80.5	
Mean age (years)	80	
Age range (years)	66 - 88	

* 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.

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.

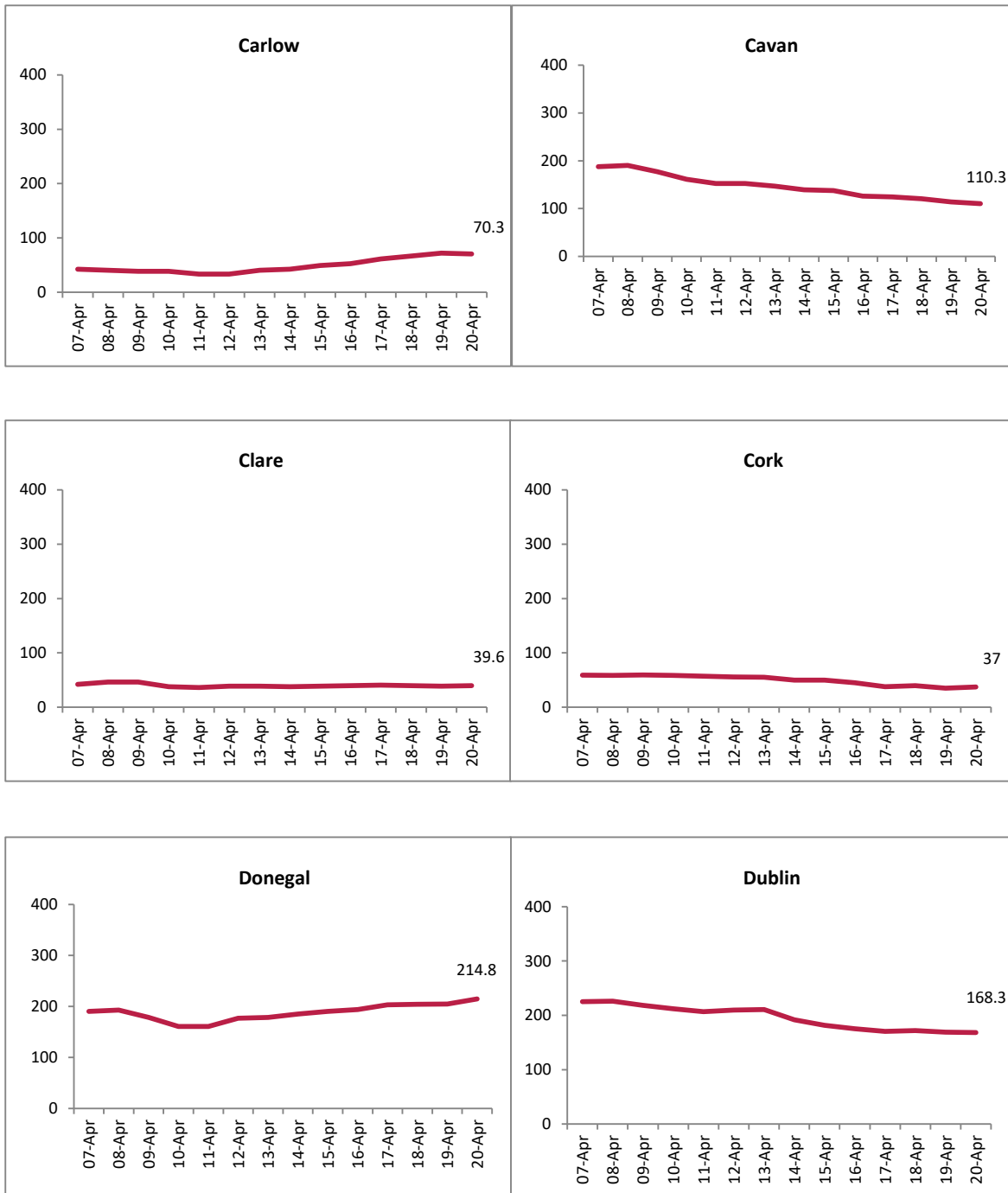
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

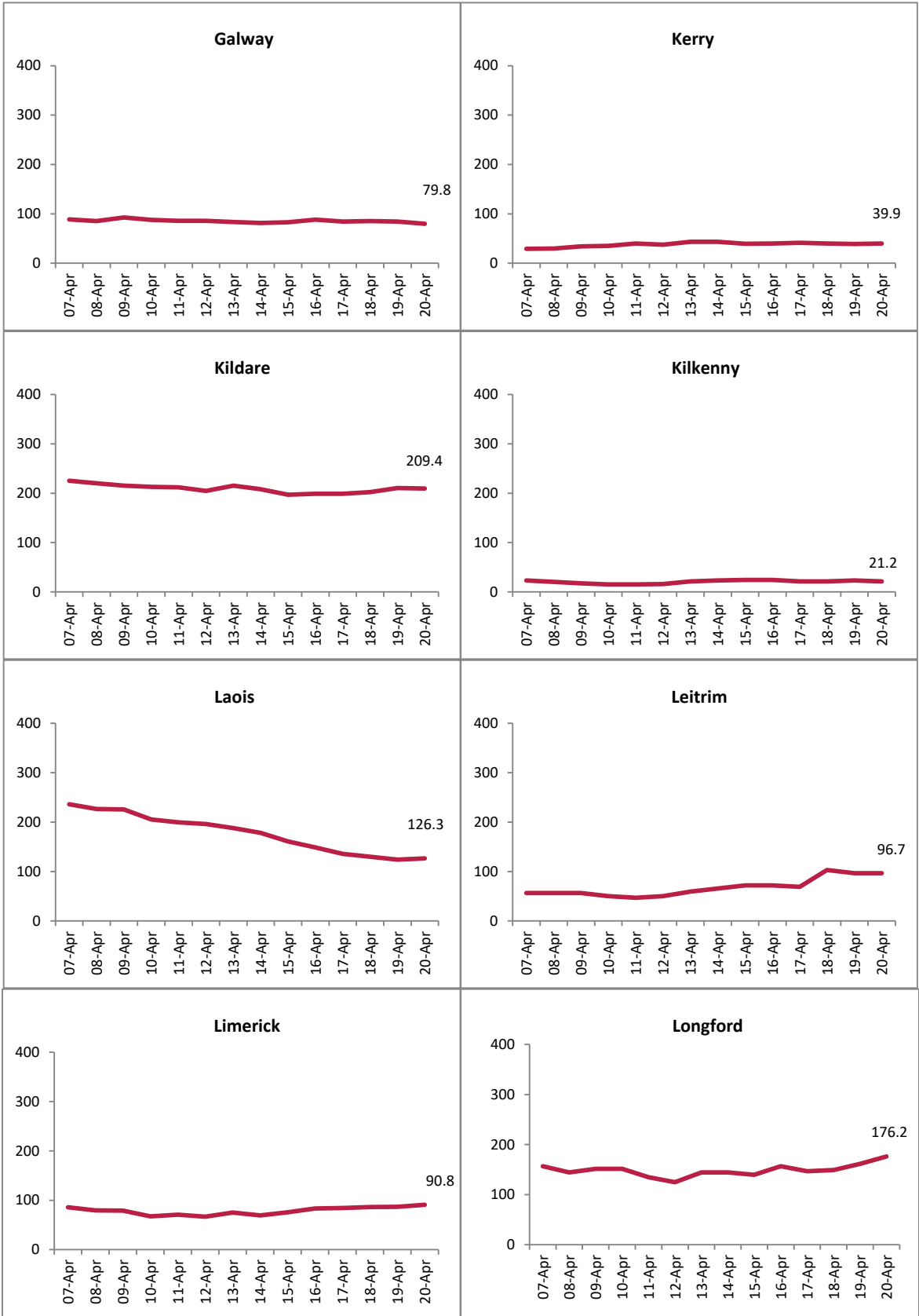
WHO definition of transmission classification is specified below:

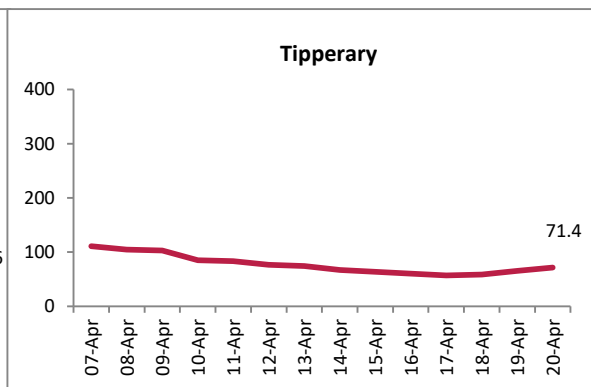
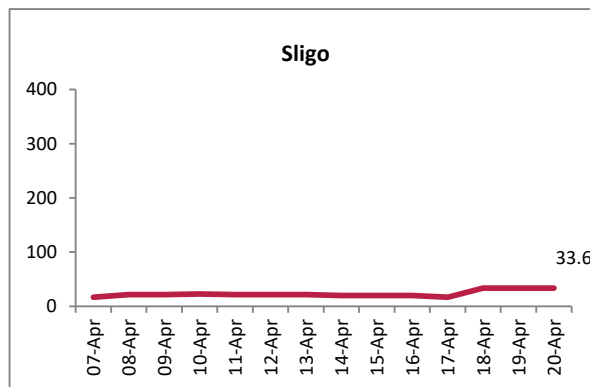
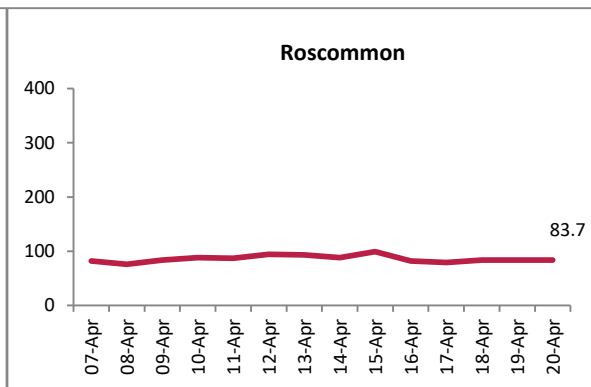
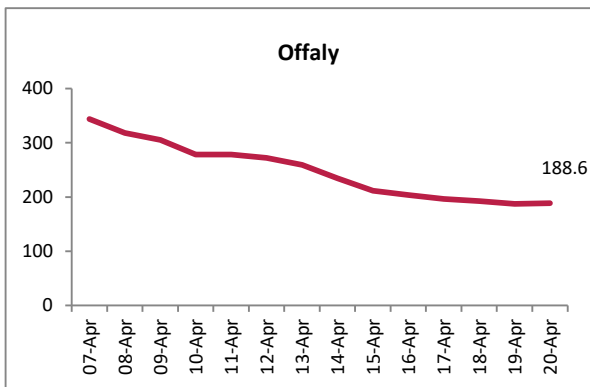
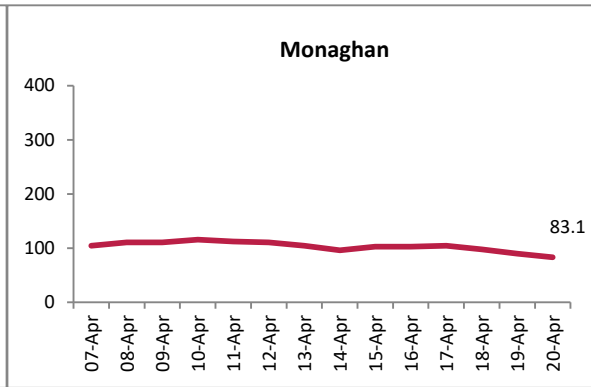
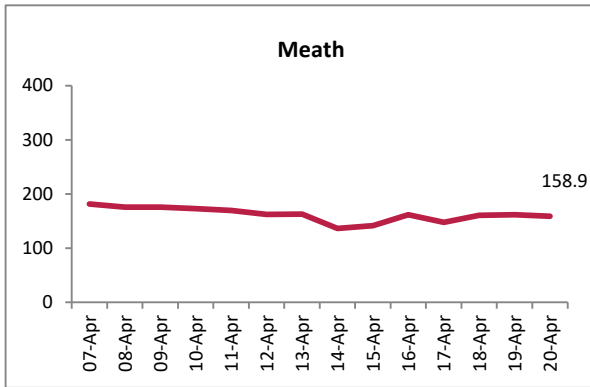
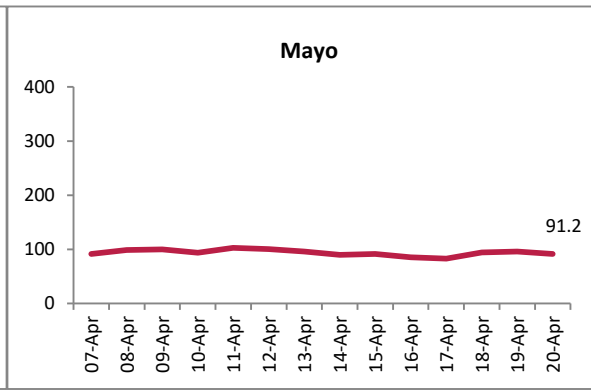
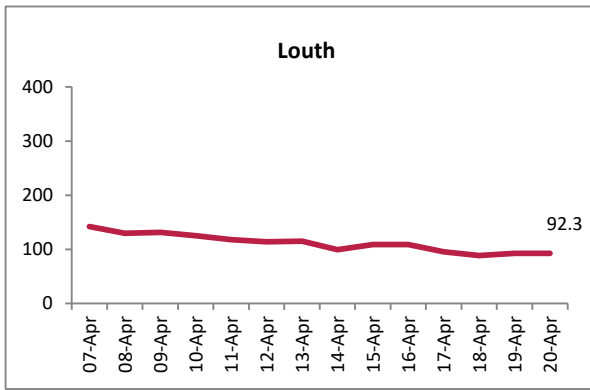
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (07/04/2021 to 20/04/2021)







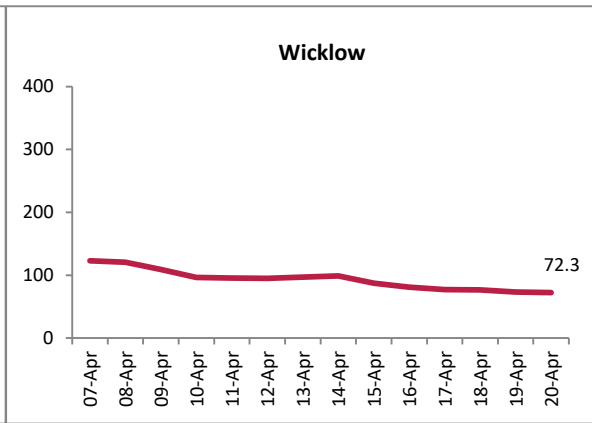
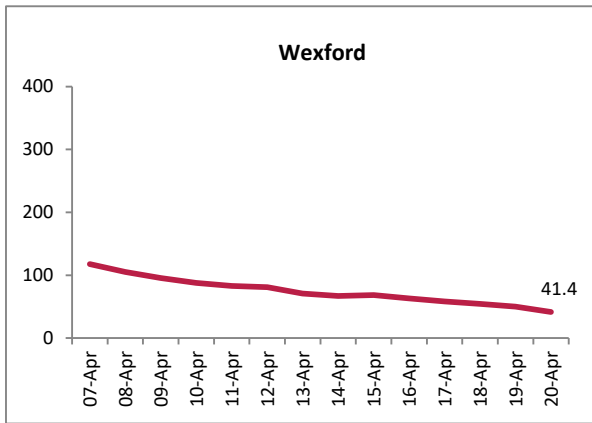
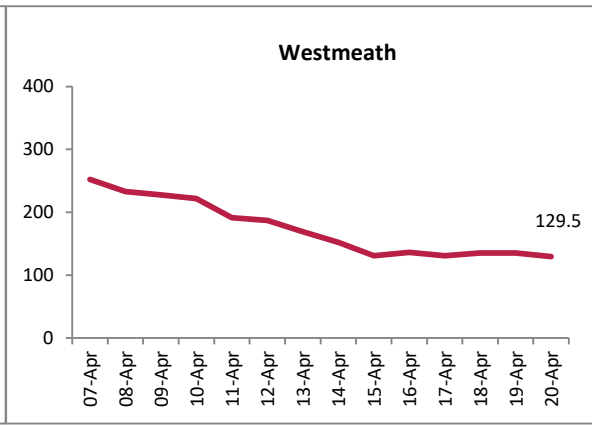
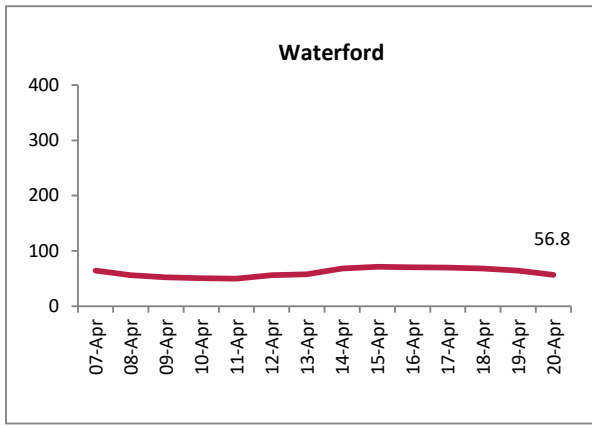


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (07/04/2021 to 20/04/2021)

