



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 28/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 14/04/2021 up to midnight 27/04/2021

	Number	Percent
Total number of confirmed cases	5,770	
National incidence of confirmed cases per 100,000 population	121.17	
Number of cases hospitalised*	218	3.78
Number of cases admitted to ICU*	18	0.31
Number of deaths among confirmed cases^	5	0.09
Case fatality ratio (CFR, %)	0.09	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	1,690	29.29
Number of imported cases	48	0.83
Number of cases in healthcare workers	145	2.51
Males	2,990	51.82
Females	2,774	48.08
M:F ratio	1.08	
Median age (years)	31	
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 14/04/2021 - 27/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:10 on 28/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

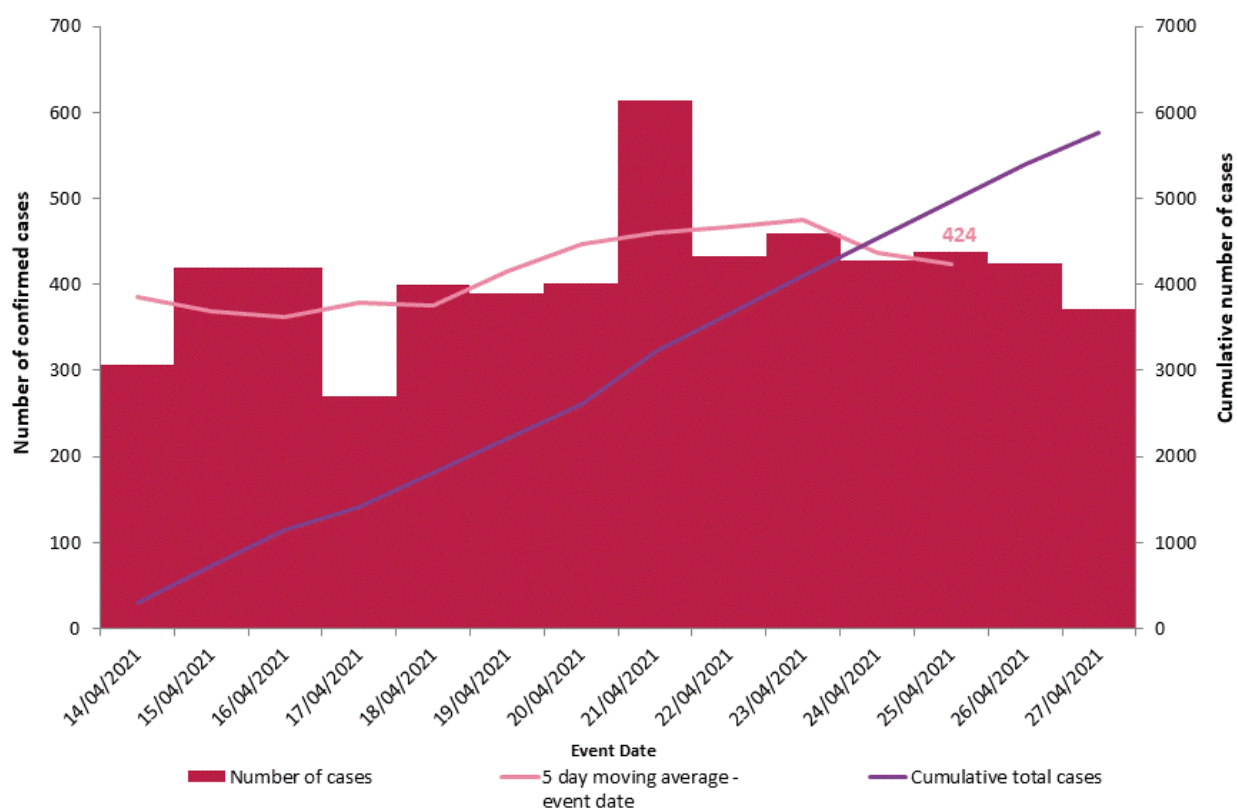


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,770)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 14/04/2021 up to midnight on 27/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,770	100
Sex	Male:Female ratio	1.08	
	Male	2,990	51.82
	Female	2,774	48.08
	Unknown	6	0.1
Age	Median age (years)	31	
	Mean age (years)	32	
	Age range (years)	0 - 96	
	0-4 yrs	361	6.26
	5-12 yrs	662	11.47
	13-18 yrs	665	11.53
	19-24 yrs	596	10.33
	25-34 yrs	970	16.81
	35-44 yrs	977	16.93
	45-54 yrs	783	13.57
	55-64 yrs	442	7.66
	65-74 yrs	213	3.69
	75-84 yrs	75	1.3
	85+ yrs	26	0.45
Symptom status at time of test*	Yes	3,041	52.7
	No	1,303	22.58
	Unknown	1,426	24.71

*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 14/04/2021 to midnight 27/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	663	169.4
CHO2	341	75.3
CHO3	448	116.4
CHO4	263	38.1
CHO5	268	52.5
CHO6	409	106.7
CHO7	1,135	160.4
CHO8	877	141.6
CHO9	1,365	219.7
Unknown	1	
Total	5,770	121.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 14/04/2021 to midnight 27/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (23/04/2021-27/04/2021)
Donegal	459	288.3	36
Kildare	475	213.5	38
Offaly	142	182.1	9
Westmeath	158	178.0	14
Dublin	2,310	171.4	164
Longford	63	154.1	2
Meath	295	151.2	22
Tipperary	225	141.0	16
Leitrim	43	134.2	2
Limerick	235	120.6	20
Louth	145	112.5	10
Cavan	75	98.5	6
Carlow	51	89.6	4
Wicklow	125	87.8	12
Laois	74	87.4	4
Monaghan	51	83.1	6
Galway	211	81.8	16
Mayo	91	69.7	4
Waterford	81	69.7	6
Roscommon	39	60.4	2
Sligo	35	53.4	2
Clare	51	42.9	4
Cork	233	42.9	20
Wexford	47	31.4	3
Kilkenny	26	26.2	2
Kerry	30	20.3	1
Total	5,770	121.2	424

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices* (LHOs) notified in Ireland with a notification date between 14/04/2021 and 27/04/2021

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	142	104.4
CCA2	Dublin South East	146	118.0
CCA3	Dublin South City	143	95.4
CCA4	Dublin South West	259	161.0
CCA5	Dublin West	254	163.5
CCA6	Dublin North West	663	319.3
CCA7	Dublin North Central	332	214.8
CCA8	Dublin North	370	142.8
	Unknown	1	
	Dublin	2,310	171.4

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

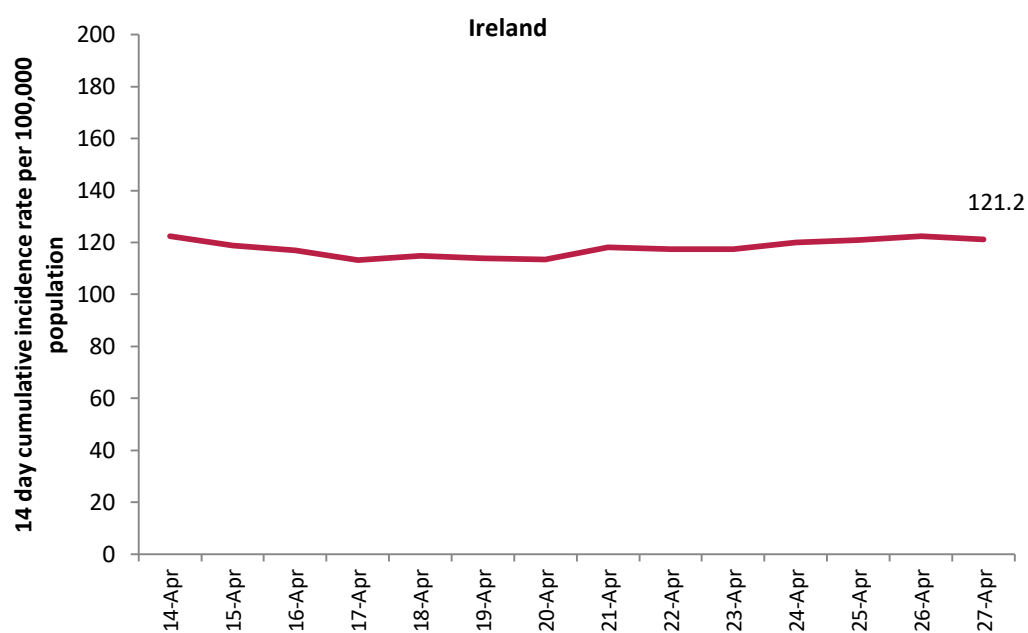


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (14/04/2021 to 27/04/2021)

*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 14/04/2021 to midnight 27/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	238	4.12%
Close contact with a known confirmed case	3,367	58.35%
Healthcare setting acquired: patient	60	1.04%
Healthcare setting acquired: staff	32	0.55%
Community transmission	1,006	17.44%
Under investigation	1,067	18.49%
Total	5,770	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 14/04/2021 to midnight 27/04/2021 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	361	6	2.75	0	0.00
5-12 yrs	662	6	2.75	0	0.00
13-18 yrs	665	10	4.59	0	0.00
19-24 yrs	596	12	5.50	<5	-
25-34 yrs	970	26	11.93	0	0.00
35-44 yrs	977	28	12.84	<5	-
45-54 yrs	783	41	18.81	<5	-
55-64 yrs	442	30	13.76	5	27.78
65-74 yrs	213	35	16.06	<5	-
75-84 yrs	75	19	8.72	<5	-
85+ yrs	26	5	2.29	0	0.00
Total	5,770	218	100.00	18	100.00

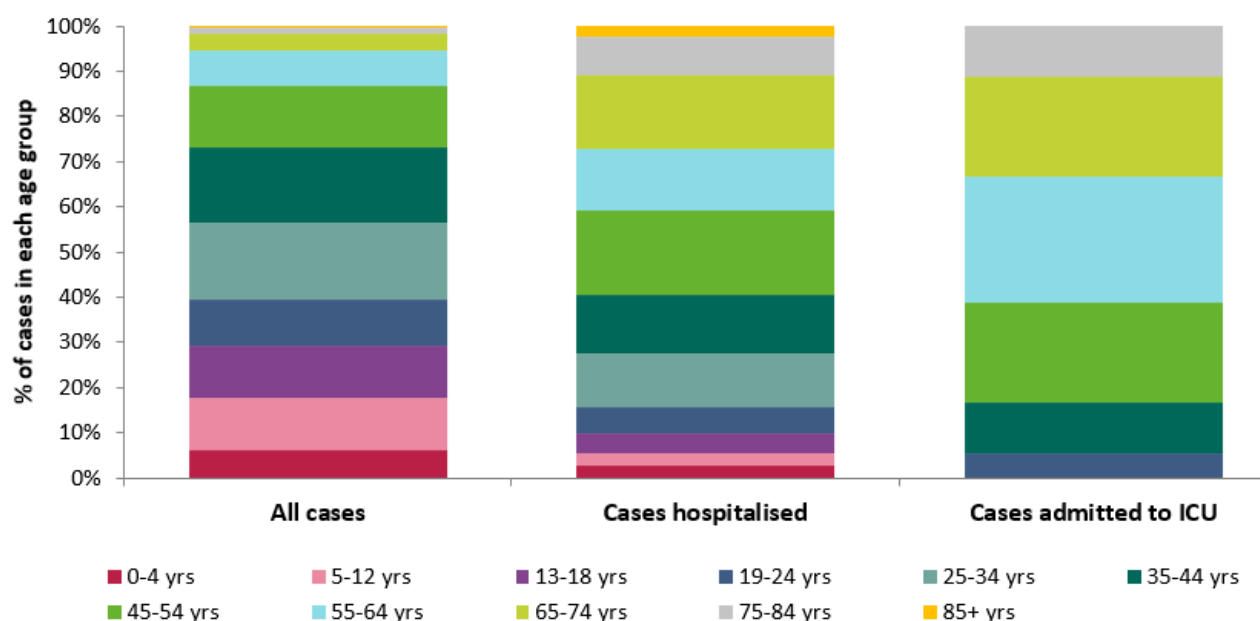


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 14/04/2021 to midnight 27/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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.

Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 14/04/2021 up to midnight 27/04/2021

	Number	Percent
Total number of deaths	8	
Confirmed	5	62.5
Probable	1	12.5
Possible	2	25
Total number of cases hospitalised	5	62.5
Total number of male cases	3	37.5
M:F ratio	0.6	
Median age (years)	80	
Mean age (years)	79	
Age range (years)	65 - 88	

^ The number of deaths described in the above table relates 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.

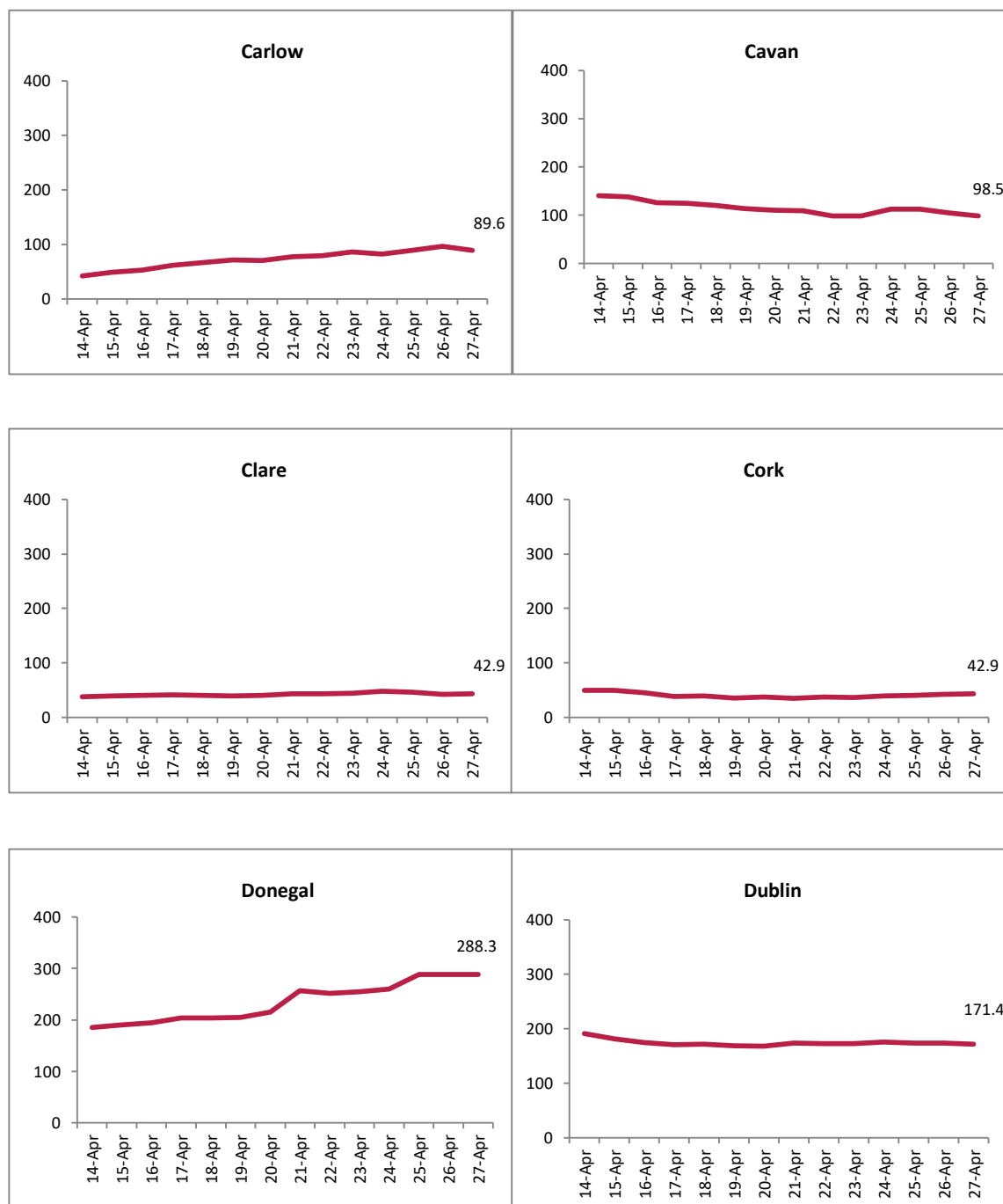
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

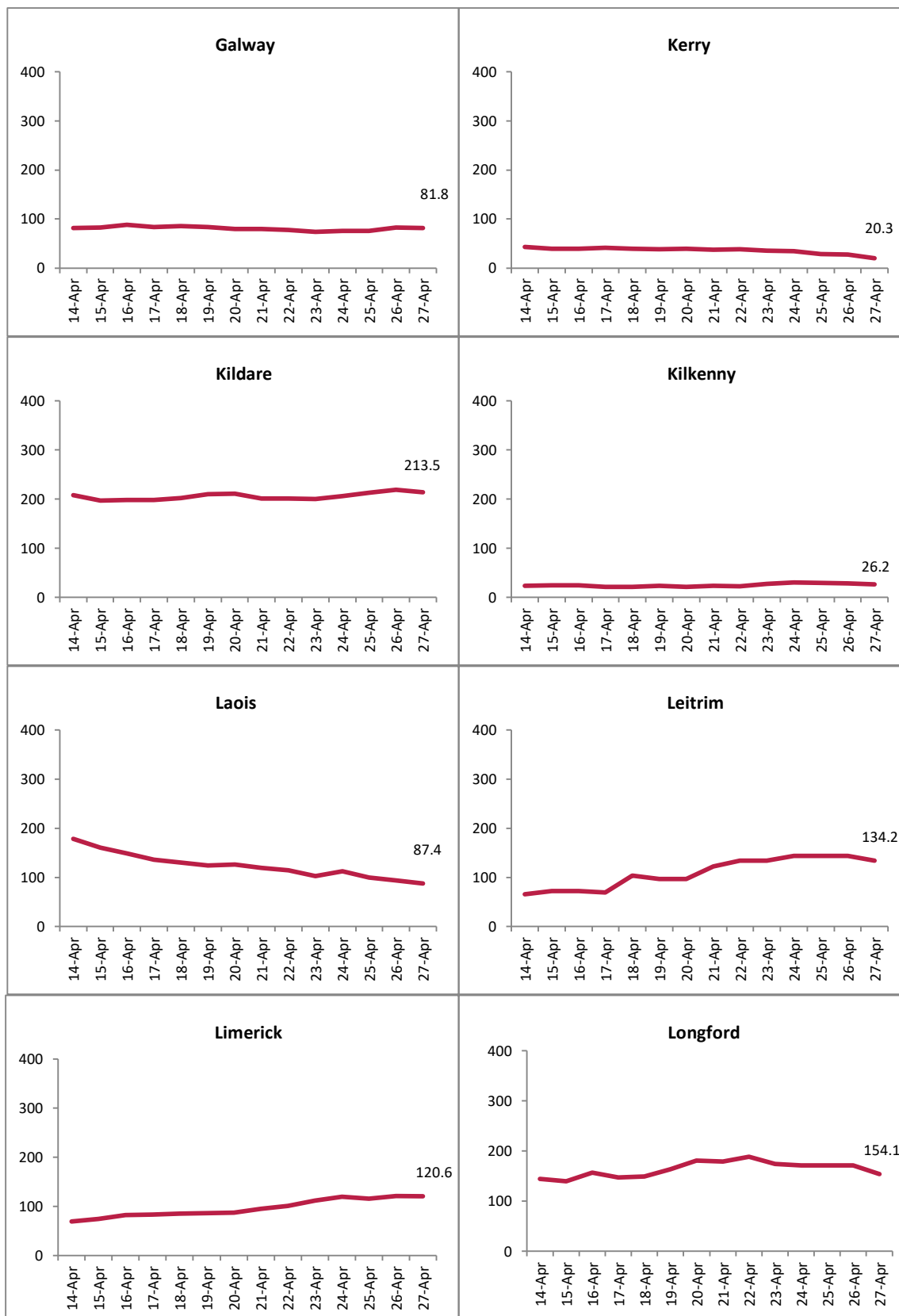
WHO definition of transmission classification is specified below:

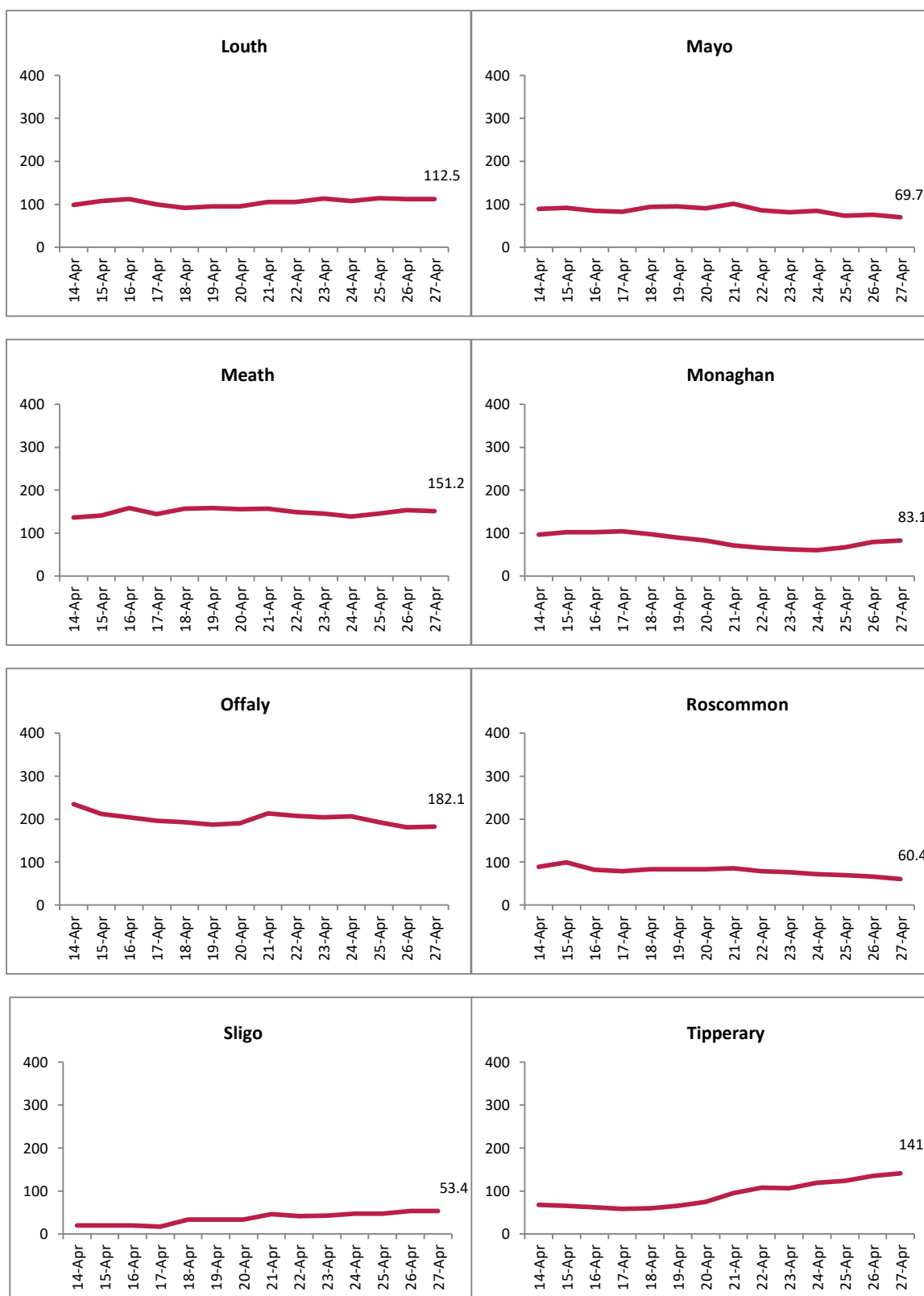
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (14/04/2021 to 27/04/2021)







Report prepared by Health Protection Surveillance Centre on 28/04/2021

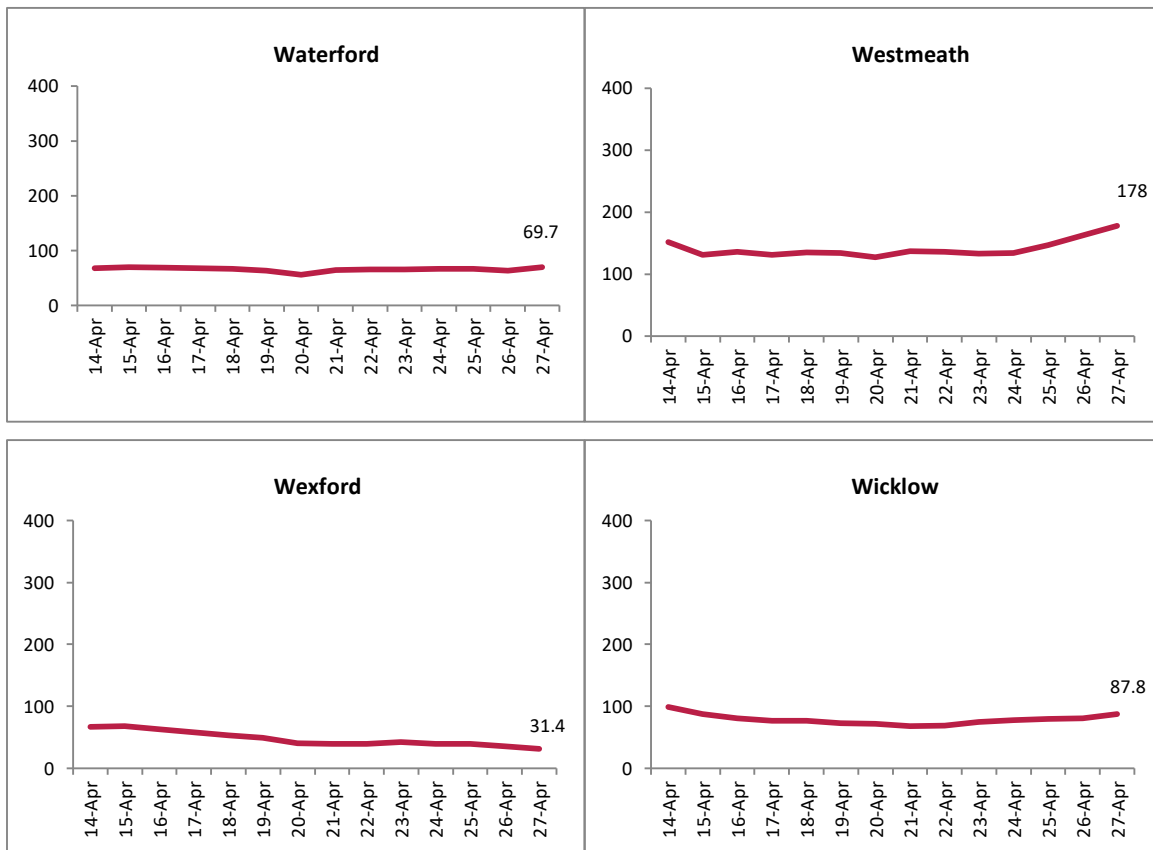


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (14/04/2021 to 27/04/2021)

