



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 27/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 13/04/2021 up to midnight 26/04/2021

	Number	Percent
Total number of confirmed cases	5,831	
National incidence of confirmed cases per 100,000 population	122.45	
Number of cases hospitalised*	217	3.72
Number of cases admitted to ICU*	15	0.26
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	1,594	27.34
Number of imported cases	63	1.08
Number of cases in healthcare workers	151	2.59
Males	3,003	51.5
Females	2,819	48.35
M:F ratio	1.07	
Median age (years)	31	
Mean age (years)	32	
Age range (years)	0 - 94	

* 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 13/04/2021 - 26/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:41 on 27/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

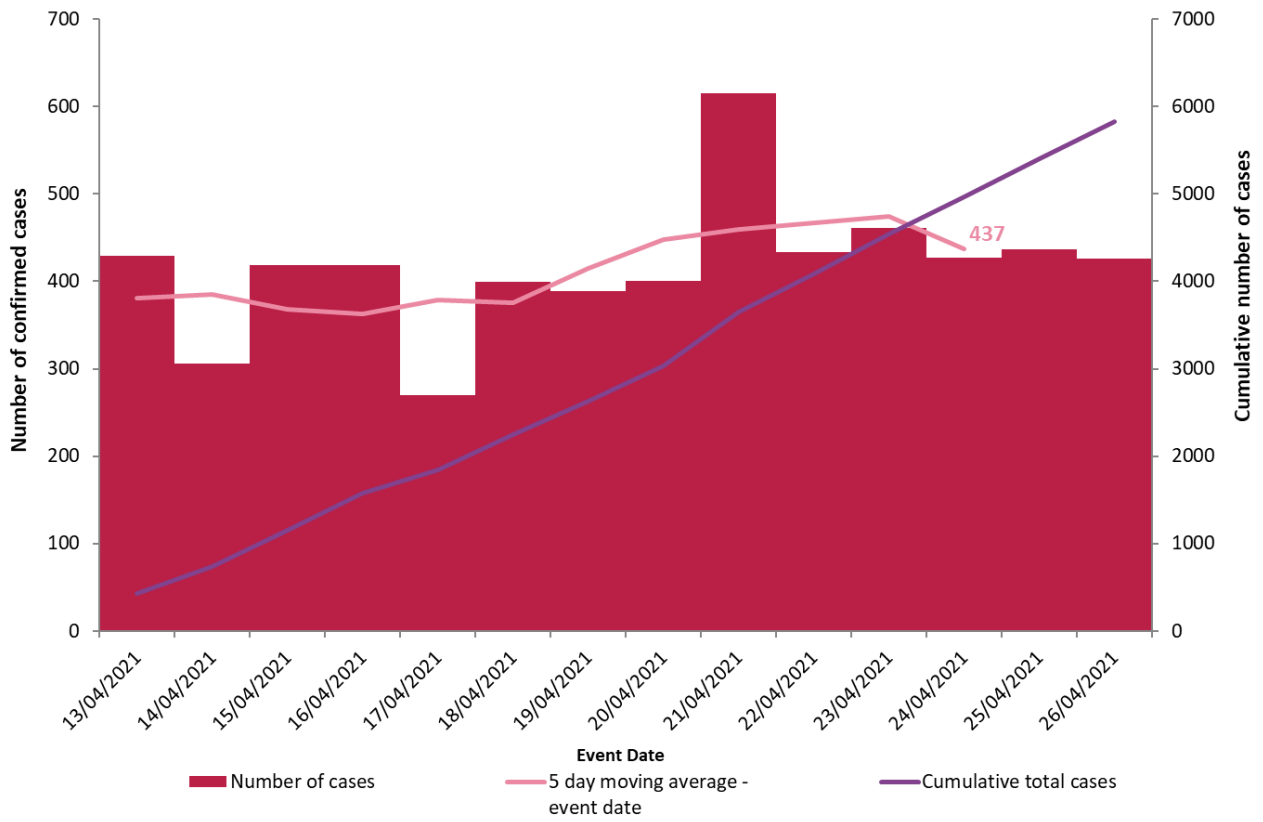


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,831)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 13/04/2021 up to midnight on 26/04/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,831	100
Sex	Male:Female ratio	1.07	
	Male	3,003	51.5
	Female	2,819	48.35
	Unknown	9	0.15
Age	Median age (years)	31	
	Mean age (years)	32	
	Age range (years)	0 - 94	
	0-4 yrs	357	6.12
	5-12 yrs	670	11.49
	13-18 yrs	640	10.98
	19-24 yrs	606	10.39
	25-34 yrs	991	17
	35-44 yrs	987	16.93
	45-54 yrs	811	13.91
	55-64 yrs	457	7.84
	65-74 yrs	213	3.65
	75-84 yrs	76	1.3
	85+ yrs	23	0.39
Symptom status at time of test*	Yes	3,044	52.2
	No	1,328	22.77
	Unknown	1,459	25.02

*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 13/04/2021 to midnight 26/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	669	171.0
CHO2	356	78.6
CHO3	434	112.7
CHO4	275	39.8
CHO5	277	54.3
CHO6	431	112.5
CHO7	1,144	161.6
CHO8	880	142.1
CHO9	1,364	219.5
Unknown	1	
Total	5,831	122.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 13/04/2021 to midnight 26/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (22/04/2021-26/04/2021)
Donegal	459	288.3	33
Kildare	485	218.0	36
Offaly	141	180.9	9
Dublin	2,341	173.7	181
Longford	70	171.3	3
Westmeath	145	163.3	14
Meath	299	153.3	19
Leitrim	46	143.6	3
Tipperary	212	132.9	18
Limerick	238	122.1	22
Louth	146	113.3	9
Cavan	79	103.7	6
Carlow	55	96.6	3
Laois	79	93.3	4
Galway	214	82.9	16
Monaghan	50	81.5	5
Wicklow	114	80.0	12
Mayo	99	75.9	5
Waterford	79	68.0	6
Roscommon	43	66.6	2
Sligo	35	53.4	2
Cork	233	42.9	22
Clare	49	41.2	4
Wexford	53	35.4	2
Kerry	42	28.4	1
Kilkenny	25	25.2	2
Total	5,831	122.5	437

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices* (LHOs) notified in Ireland with a notification date between 13/04/2021 and 26/04/2021

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	162	119.1
CCA2	Dublin South East	158	127.7
CCA3	Dublin South City	143	95.4
CCA4	Dublin South West	259	161.0
CCA5	Dublin West	254	163.5
CCA6	Dublin North West	673	324.1
CCA7	Dublin North Central	331	214.1
CCA8	Dublin North	360	138.9
	Unknown	1	
	Dublin	2,341	173.7

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

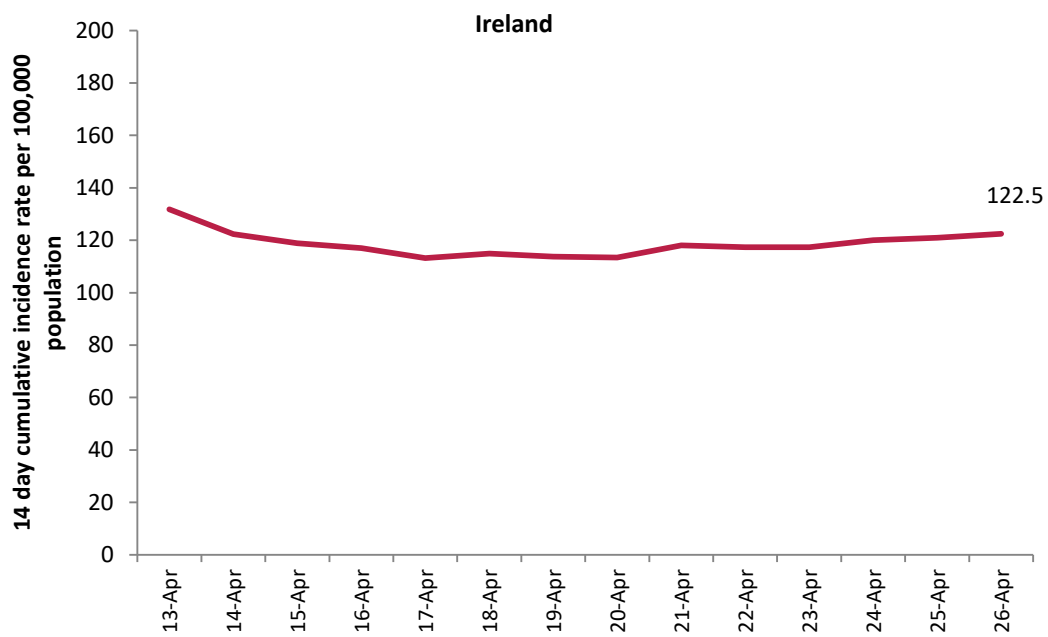


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (13/04/2021 to 26/04/2021)

*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 13/04/2021 to midnight 26/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	256	4.39%
Close contact with a known confirmed case	3363	57.67%
Healthcare setting acquired: patient	63	1.08%
Healthcare setting acquired: staff	31	0.53%
Community transmission	1040	17.84%
Under investigation	1078	18.49%
Total	5831	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 13/04/2021 to midnight 26/04/2021 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	1027	10	4.61	0
13-18 yrs	640	9	4.15	0
19-24 yrs	606	13	5.99	<5
25-34 yrs	991	27	12.44	0
35-44 yrs	987	28	12.90	<5
45-54 yrs	811	39	17.97	<5
55-64 yrs	457	30	13.82	<5
65-74 yrs	213	35	16.13	<5
75-84 yrs	76	21	9.68	<5
85+ yrs	23	5	2.30	0
Total	5,831	217	100	15

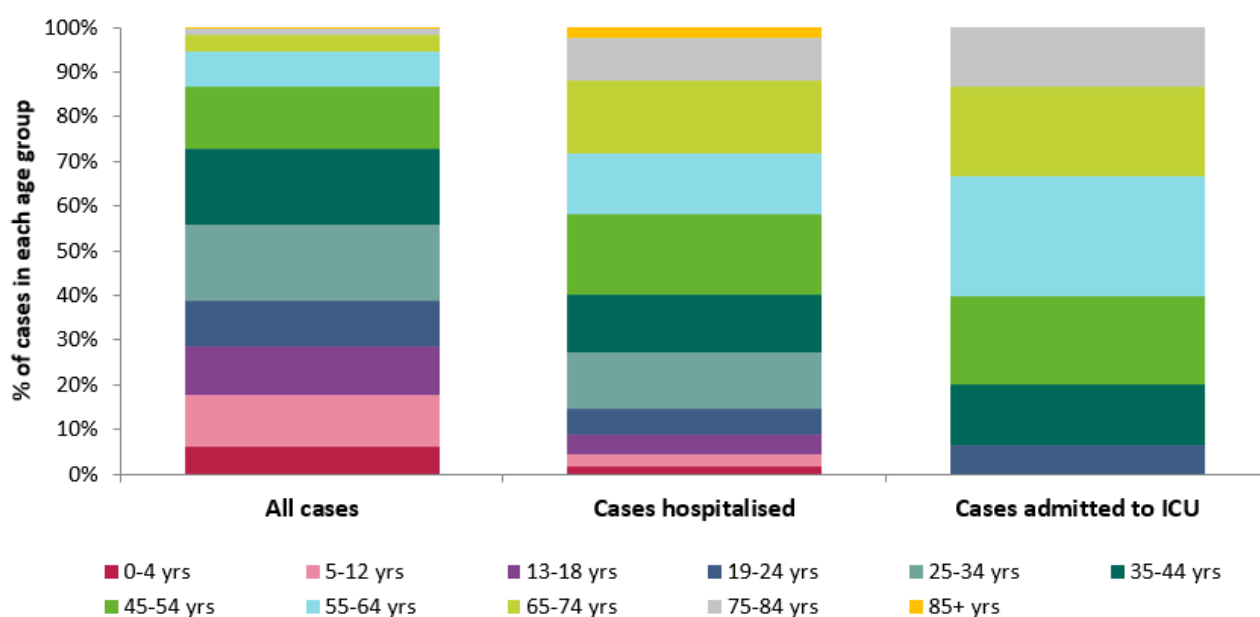


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 13/04/2021 to midnight 26/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 13/04/2021 up to midnight 26/04/2021

	Number	Percent
Total number of deaths	6	
Confirmed	3	50
Probable	1	16.67
Possible	2	33.33
Total number of cases hospitalised	3	50
Total number of male cases	1	16.67
M:F ratio	0.2	
Median age (years)	82	
Mean age (years)	82	
Age range (years)	77 - 88	

[^] 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.

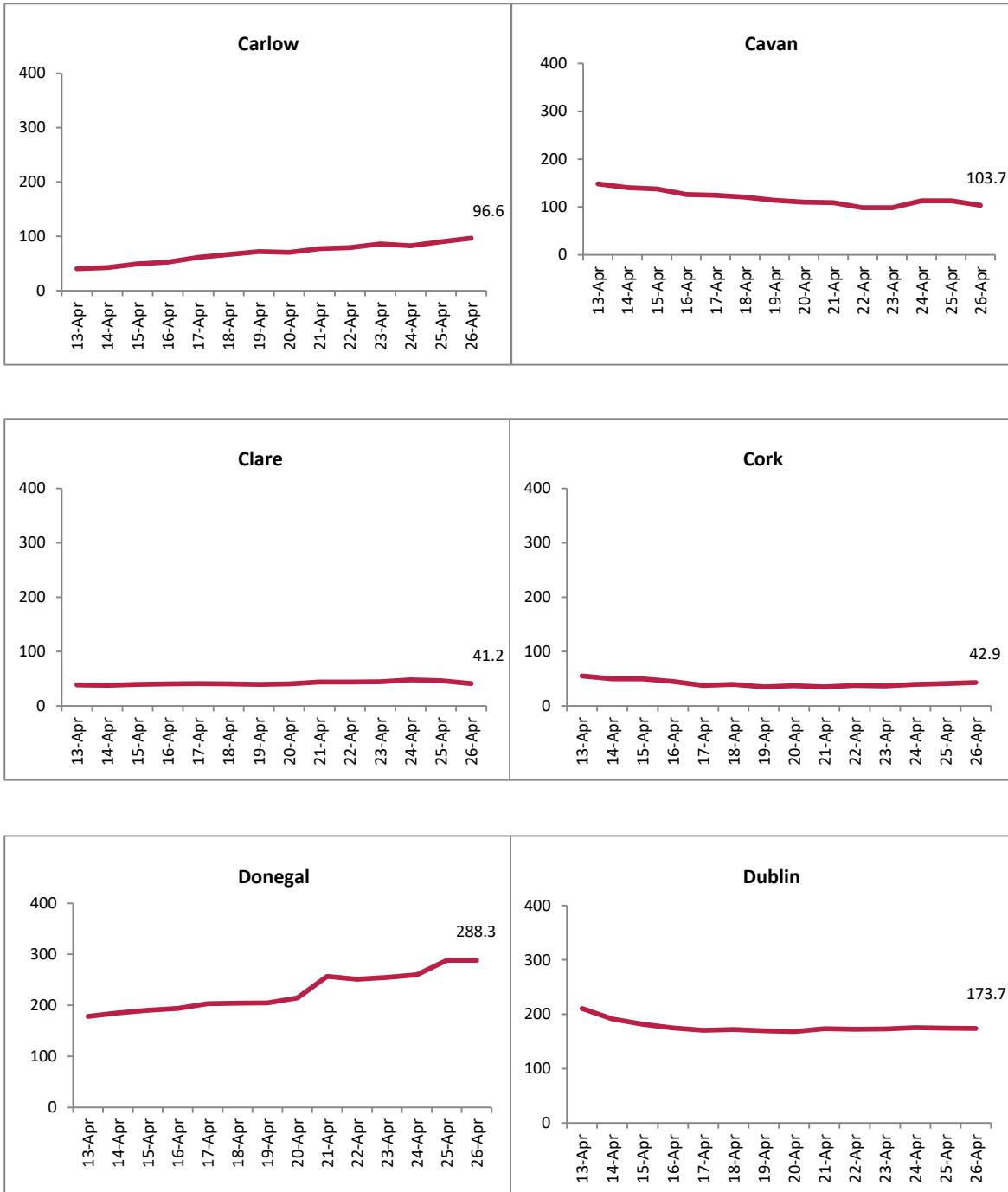
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

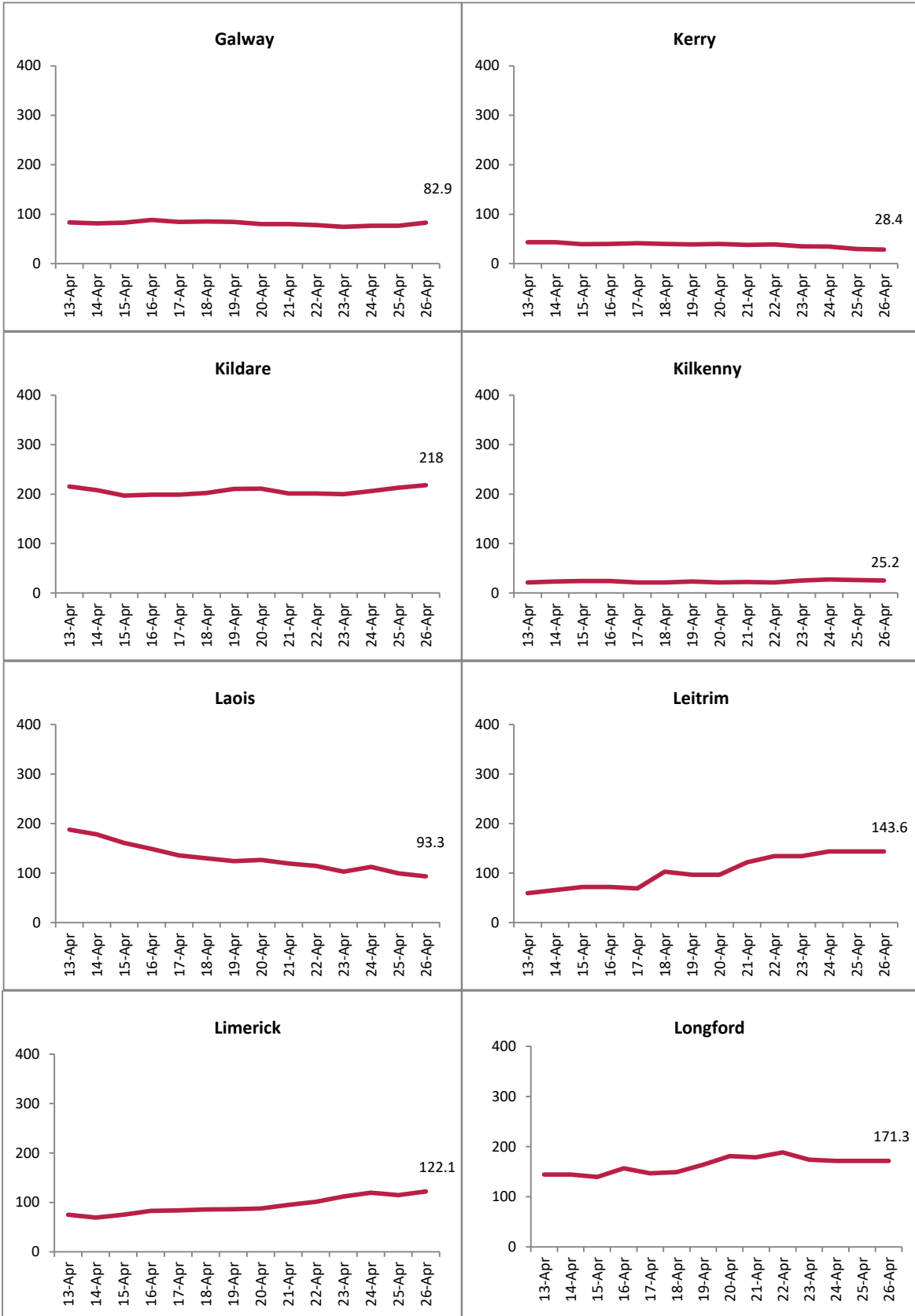
WHO definition of transmission classification is specified below:

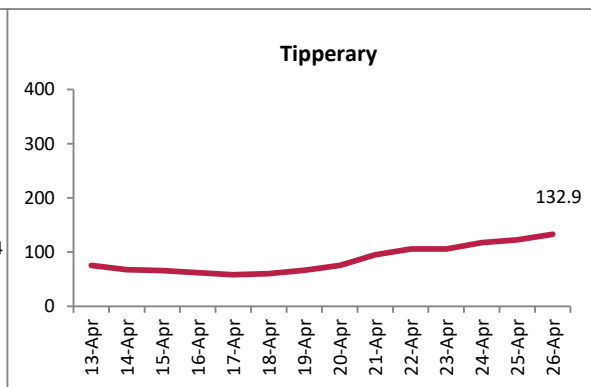
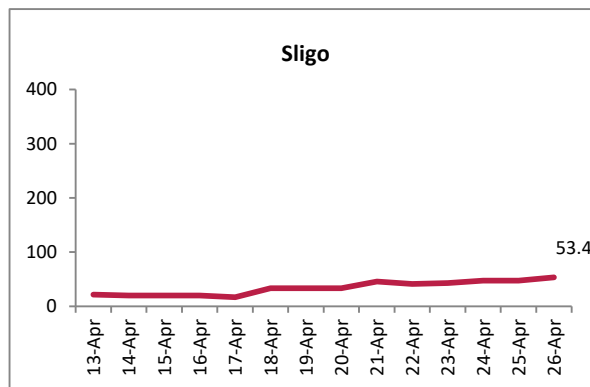
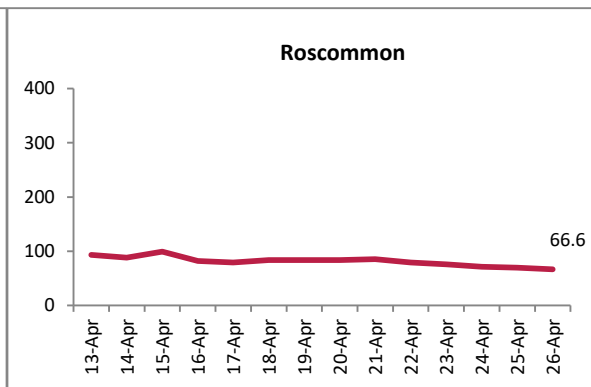
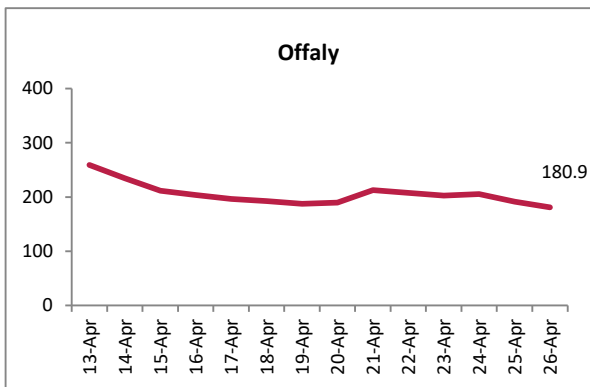
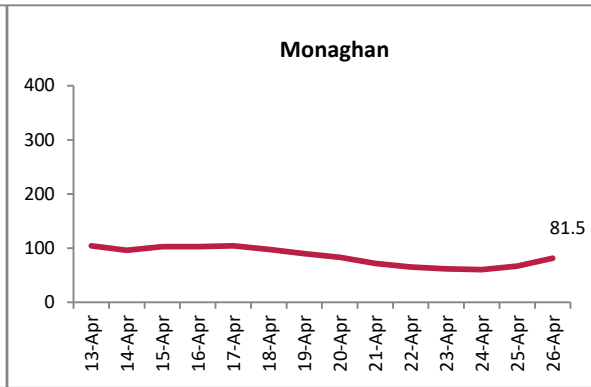
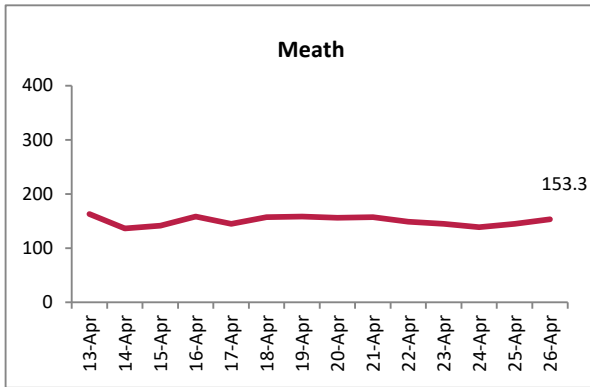
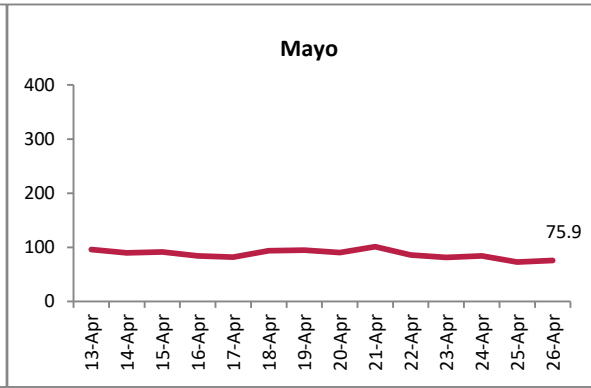
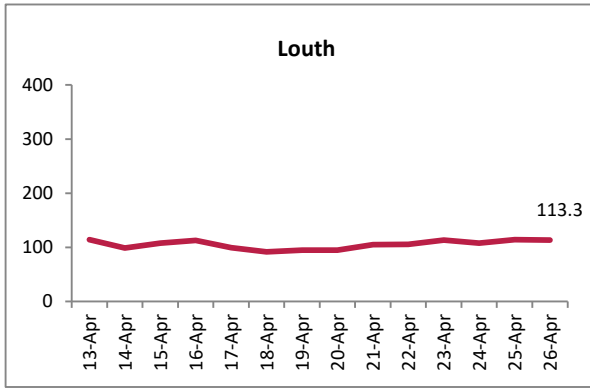
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (13/04/2021 to 26/04/2021)







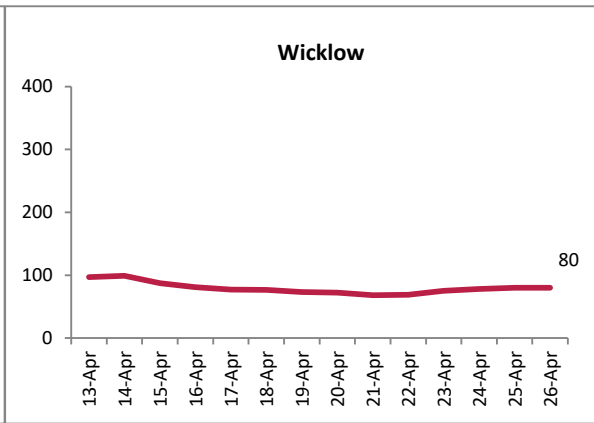
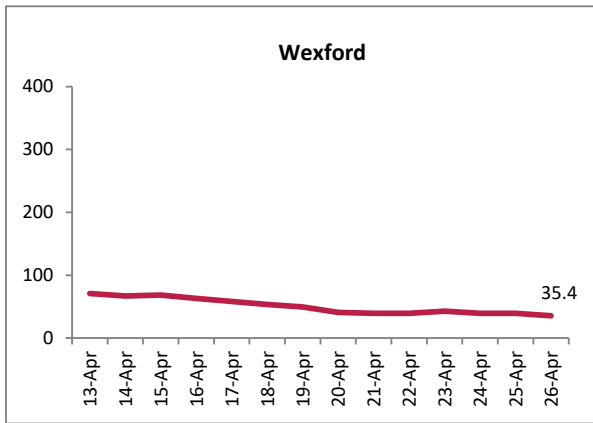
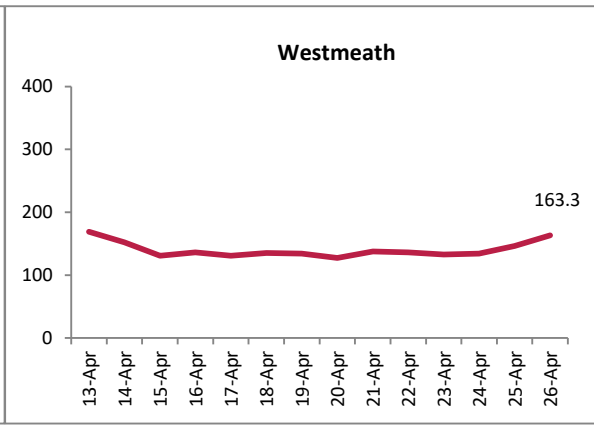
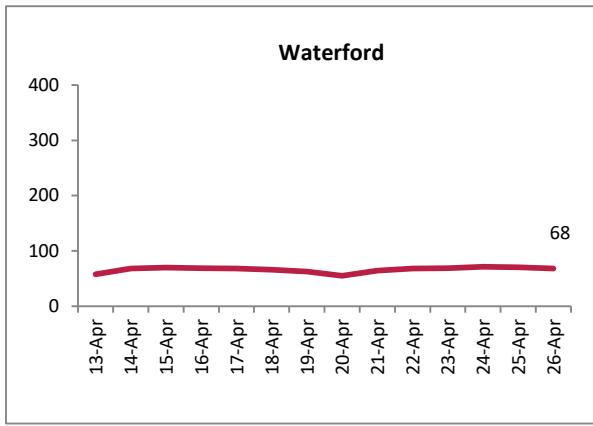


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (13/04/2021 to 26/04/2021)

