



# Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 19/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 05/04/2021 up to midnight 18/04/2021

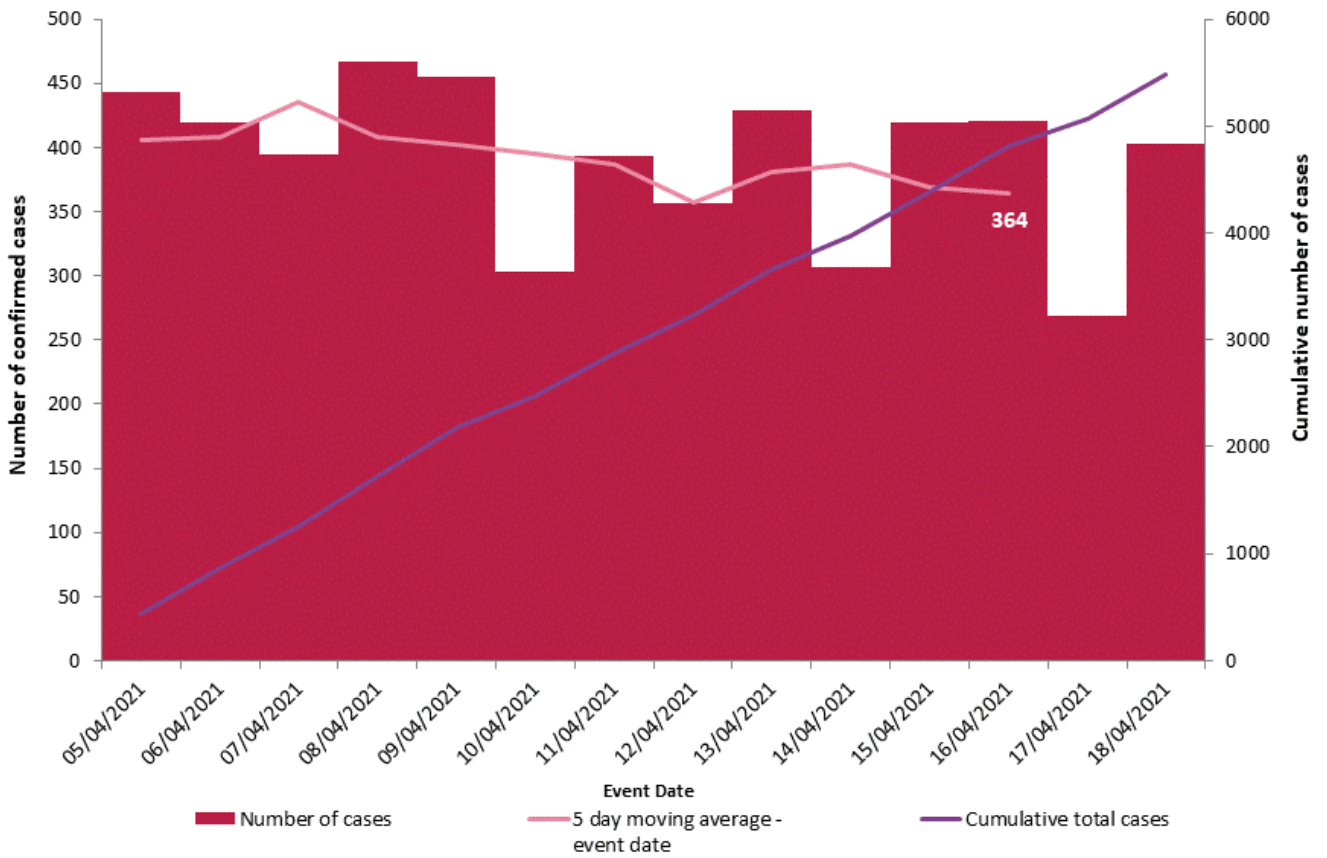
	Number	Percent
Total number of confirmed cases	5,478	
National incidence of confirmed cases per 100,000 population	115.04	
Number of cases hospitalised*	206	3.76
Number of cases admitted to ICU*	15	0.27
Number of deaths among confirmed cases	5	0.09
Case fatality ratio (CFR, %)	0.09	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	1,257	22.95
Number of imported cases	39	0.71
Number of cases in healthcare workers	143	2.61
Males	2,752	50.24
Females	2,715	49.56
M:F ratio	1.01	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 92	

\* 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 05/04/2021 - 18/04/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:39 on 19/04/2021 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=5,478)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 05/04/2021 up to midnight on 18/04/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>5,478</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.01	
	Male	2,752	50.24
	Female	2,715	49.56
	Unknown	11	0.2
<b>Age</b>	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 92	
	0-4 yrs	338	6.17
	5-12 yrs	706	12.89
	13-18 yrs	458	8.36
	19-24 yrs	603	11.01
	25-34 yrs	937	17.1
	35-44 yrs	997	18.2
	45-54 yrs	692	12.63
	55-64 yrs	449	8.2
	65-74 yrs	192	3.5
	75-84 yrs	84	1.53
	85+ yrs	22	0.4
<b>Symptom status at time of test*</b>	Yes	2,772	50.6
	No	1,180	21.54
	Unknown	1,526	27.86

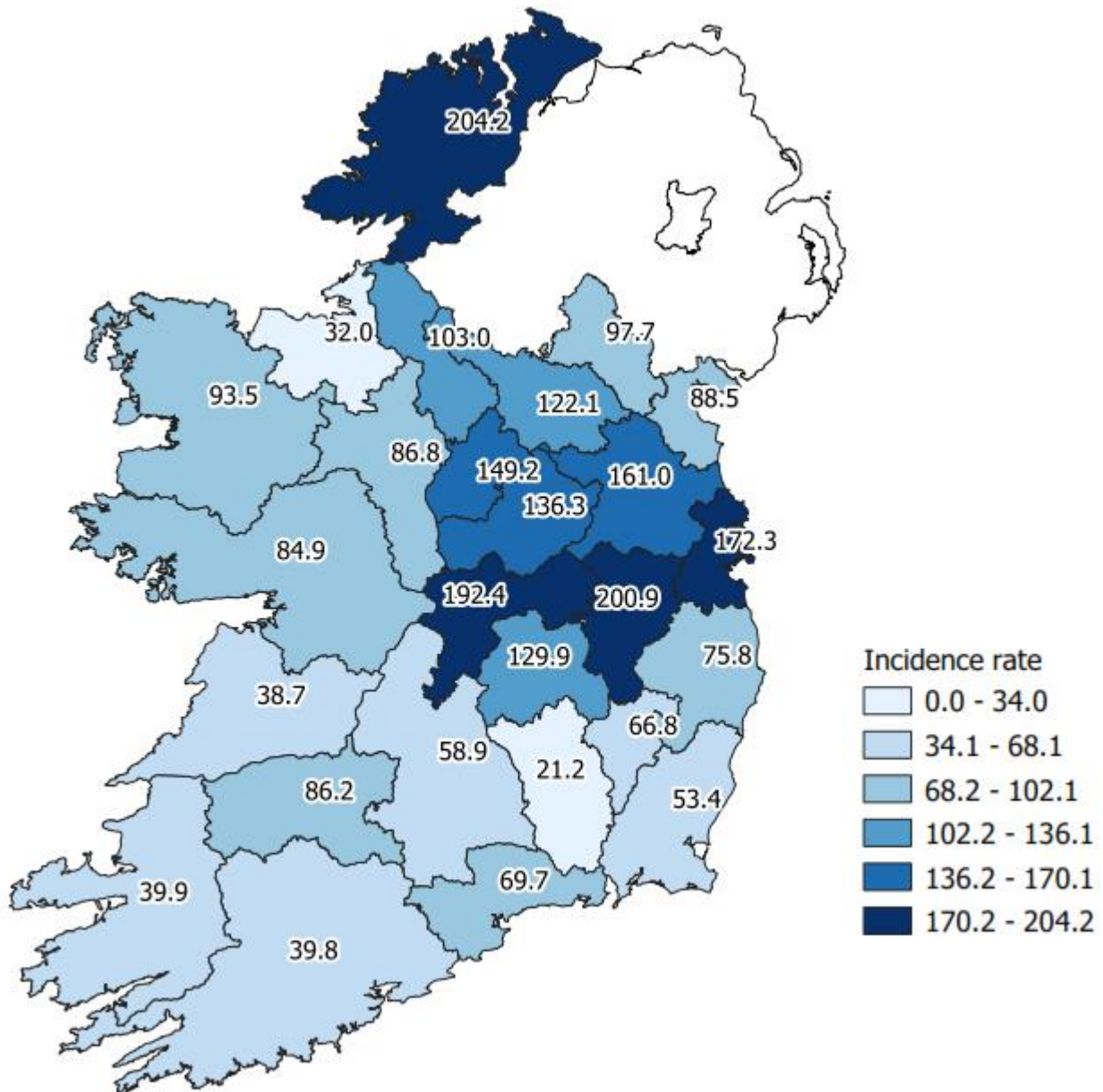
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 05/04/2021 to midnight 18/04/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	532	136.0
CHO2	397	87.6
CHO3	277	71.9
CHO4	275	39.8
CHO5	251	49.2
CHO6	377	98.4
CHO7	1,091	154.2
CHO8	870	140.5
CHO9	1,408	226.6
<b>Total</b>	<b>5,478</b>	<b>115.0</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 05/04/2021 to midnight 18/04/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (14/04/2021-18/04/2021)
Donegal	325	204.2	25
Kildare	447	200.9	25
Offaly	150	192.4	9
Dublin	2,321	172.3	139
Meath	314	161.0	26
Longford	61	149.2	4
Westmeath	121	136.3	10
Laois	110	129.9	7
Cavan	93	122.1	6
Leitrim	33	103.0	4
Monaghan	60	97.7	4
Mayo	122	93.5	8
Louth	114	88.5	10
Roscommon	56	86.8	4
Limerick	168	86.2	14
Galway	219	84.9	16
Wicklow	108	75.8	7
Waterford	81	69.7	7
Carlow	38	66.7	4
Tipperary	94	58.9	6
Wexford	80	53.4	5
Kerry	59	39.9	4
Cork	216	39.8	13
Clare	46	38.7	3
Sligo	21	32.0	3
Kilkenny	21	21.2	2
<b>Total</b>	<b>5,478</b>	<b>115.0</b>	<b>364</b>



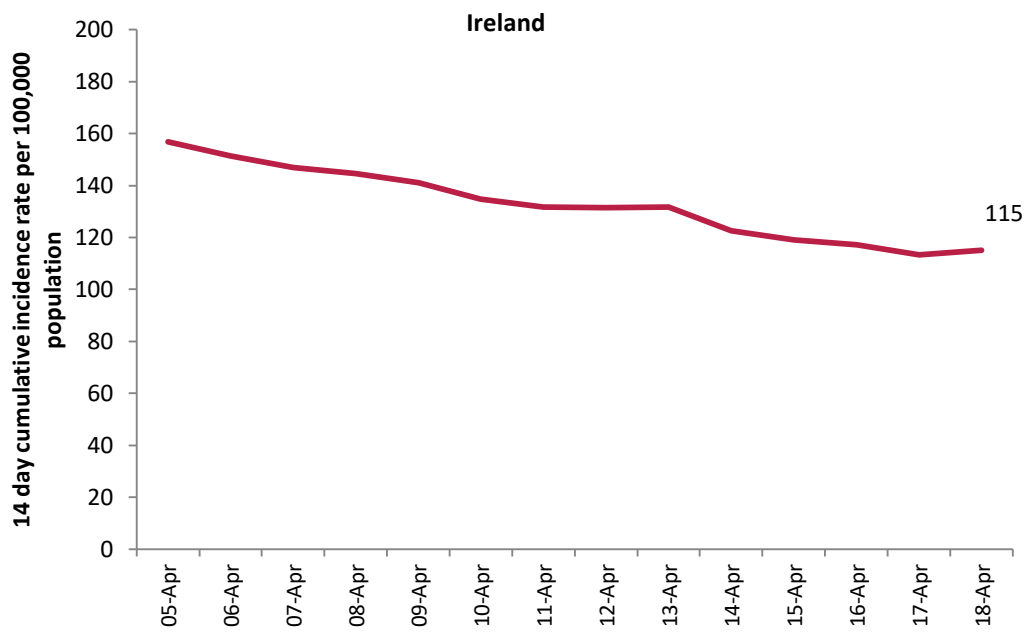
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 05/04/2021 and 18/04/2021**

*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 05/04/2021 and 18/04/2021**

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	140	102.9
CCA2	Dublin South East	133	107.5
CCA3	Dublin South City	132	88.0
CCA4	Dublin South West	234	145.4
CCA5	Dublin West	274	176.4
CCA6	Dublin North West	623	300.0
CCA7	Dublin North Central	317	205.1
CCA8	Dublin North	468	180.6
	<b>Dublin</b>	<b>2,321</b>	<b>172.3</b>

**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> 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\* (05/04/2021 to 18/04/2021)**

\*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 05/04/2021 to midnight 18/04/2021.**

<b>Most likely transmission source</b>	<b>Number of cases</b>	<b>Percent</b>
Travel related^	223	4.07%
Close contact with a known confirmed case	2,973	54.27%
Healthcare setting acquired: patient	76	1.39%
Healthcare setting acquired: staff	26	0.47%
Community transmission	928	16.94%
Under investigation	1,252	22.86%
<b>Total</b>	<b>5,478</b>	<b>100.00%</b>

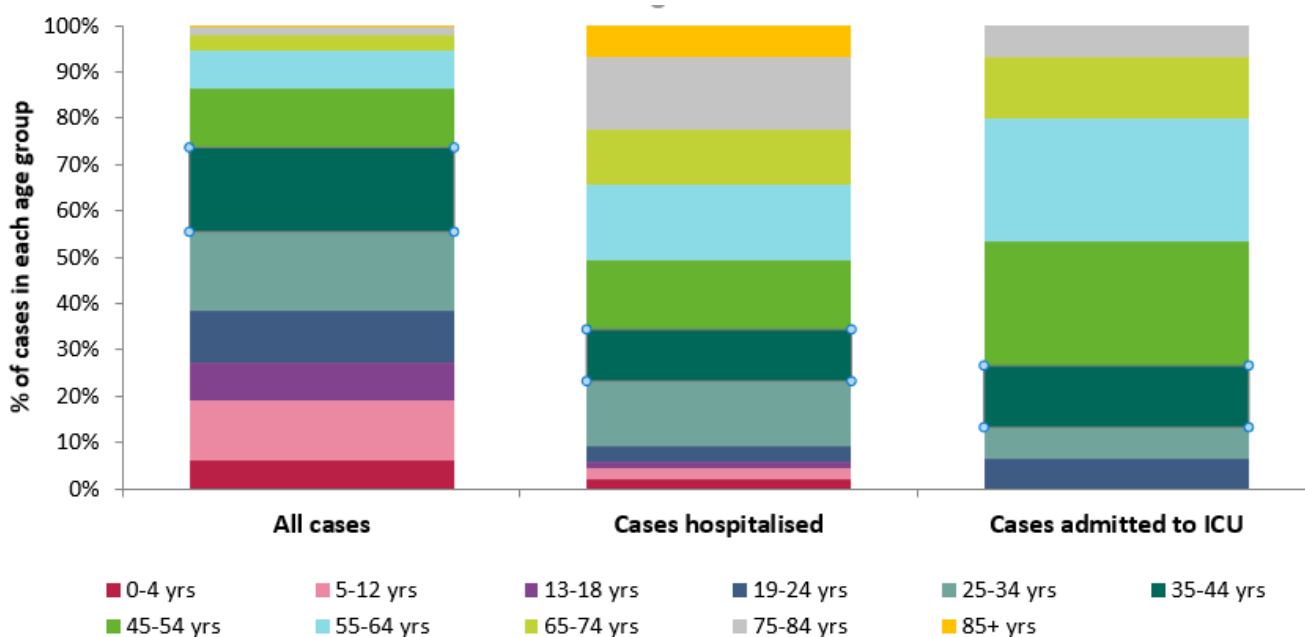
\* Please note there is currently a delay in updating most likely transmission source data due to recent changes made to the HSE CovidCare Tracker

^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 05/04/2021 to midnight 18/04/2021 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 (%)
0-12 yrs^	1044	9	4.37	0	0.00
13-24 yrs^	1061	10	4.85	<5	-
25-34 yrs	937	29	14.08	<5	-
35-44 yrs	997	23	11.17	<5	-
45-54 yrs	692	31	15.05	<5	-
55-64 yrs	449	33	16.02	<5	-
65-74 yrs	192	25	12.14	<5	-
75-84 yrs	84	32	15.53	<5	-
85+ yrs	22	14	6.80	0	0.00
<b>Total</b>	<b>5,478</b>	<b>206</b>	<b>100.00</b>	<b>15</b>	<b>100</b>



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 05/04/2021 to midnight 18/04/2021 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, and 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 05/04/2021 up to midnight 18/04/2021

	Number	Percent
Total number of deaths	7	
Confirmed	5	71.43
Possible	2	28.57
Total number of cases hospitalised	7	100
Total number of male cases	3	42.86
M:F ratio	0.75	
Median age (years)	80	
Mean age (years)	78	
Age range (years)	66 - 84	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 05/04/2021 up to midnight 18/04/2021

Age group (years)	Female	Male	Total	Percent
>65 yrs	4	3	7	100
<b>Total</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>100</b>
<b>Percent</b>	<b>57.14</b>	<b>42.86</b>		

\* 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  $\geq 85$  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.

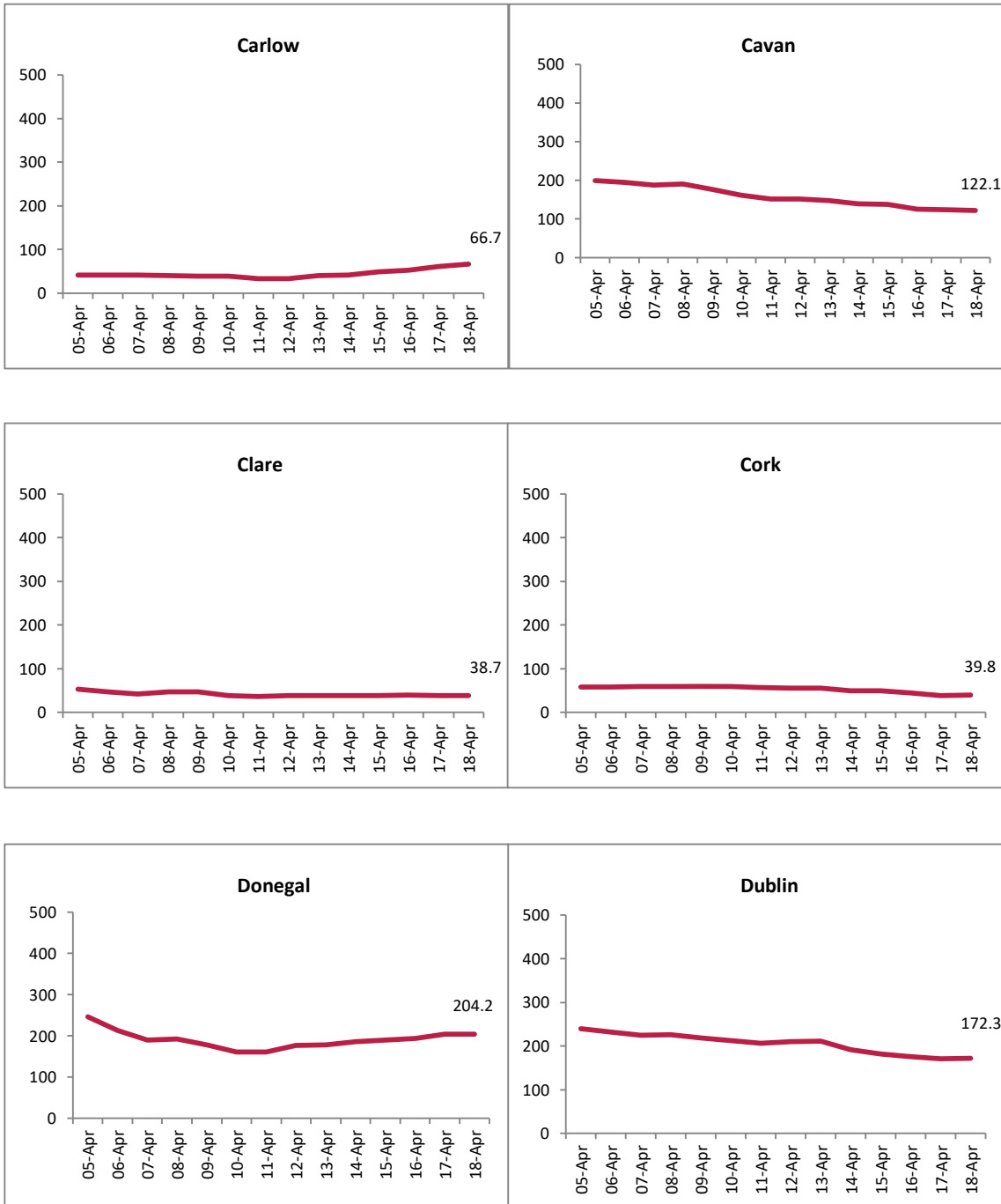
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

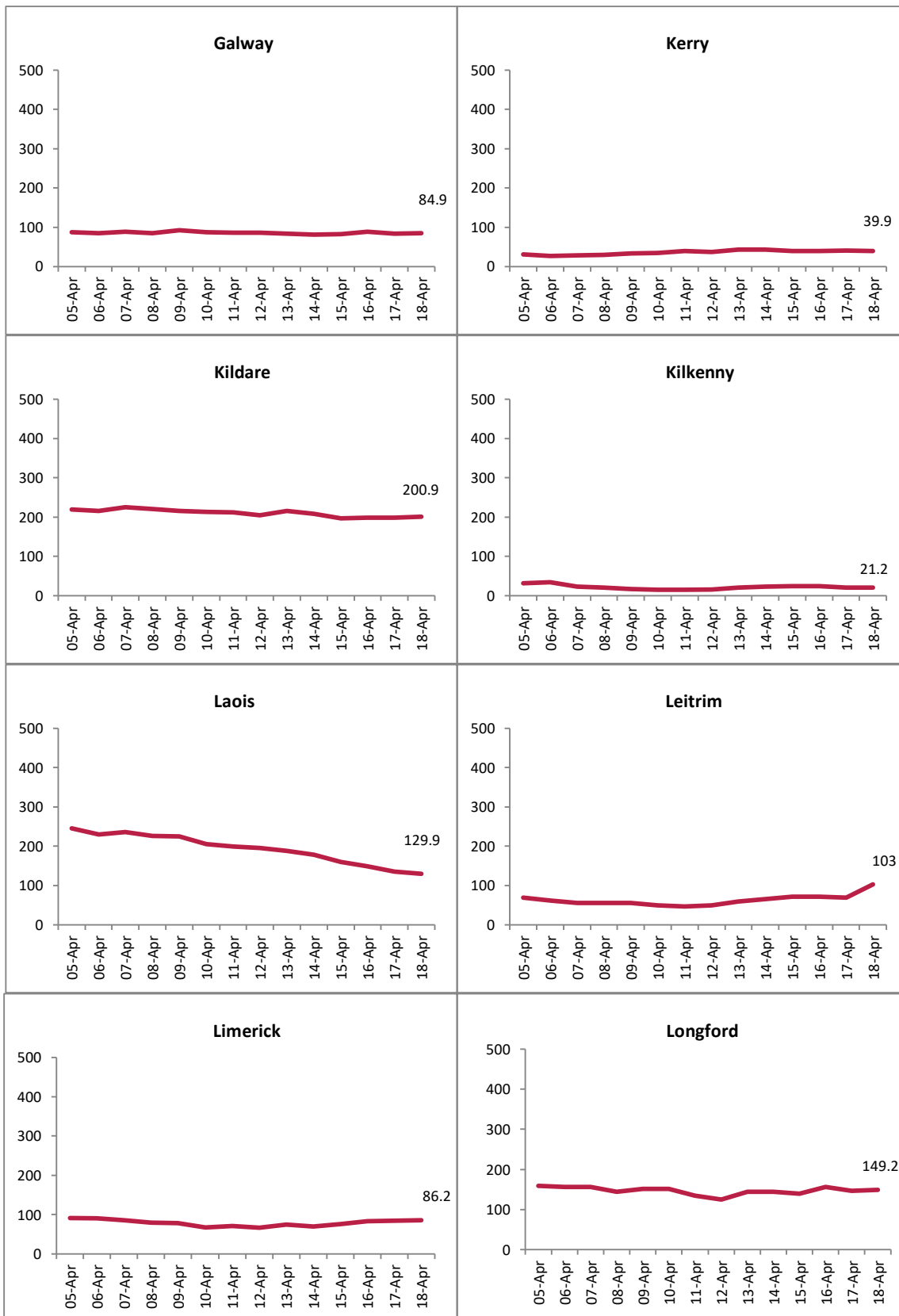
WHO definition of transmission classification is specified below:

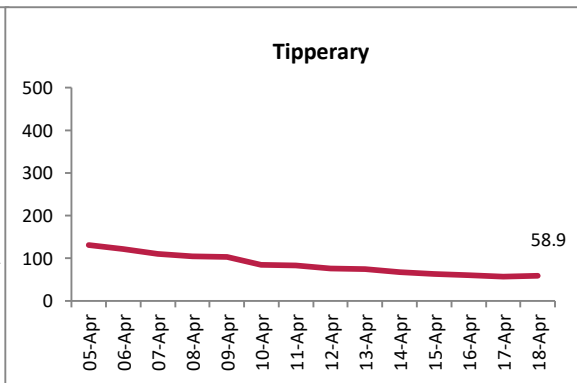
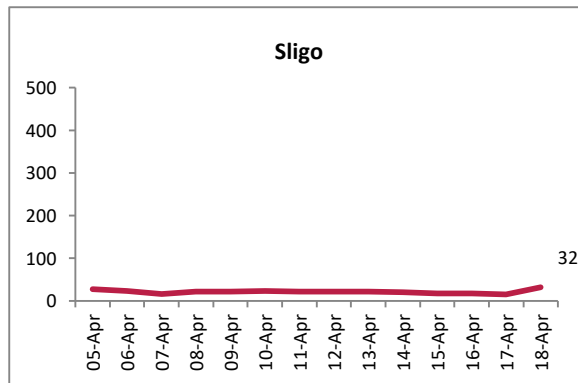
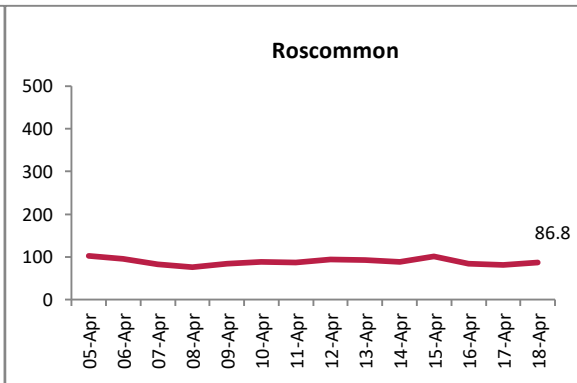
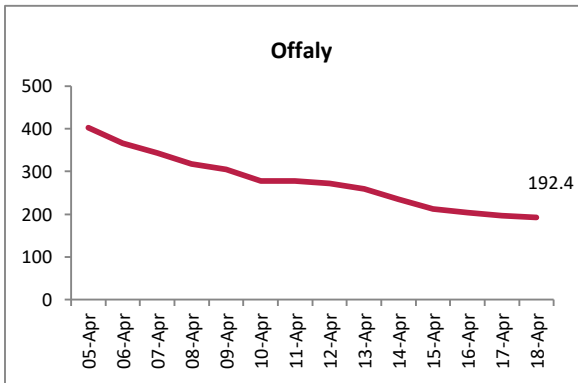
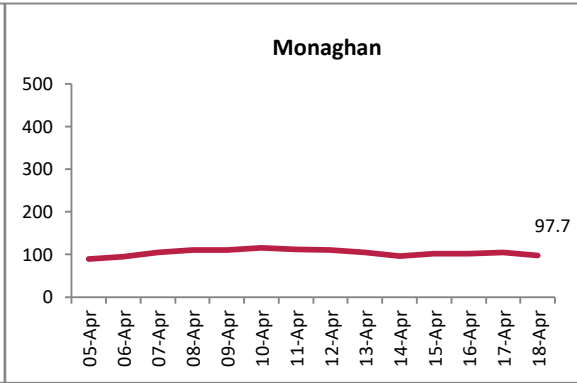
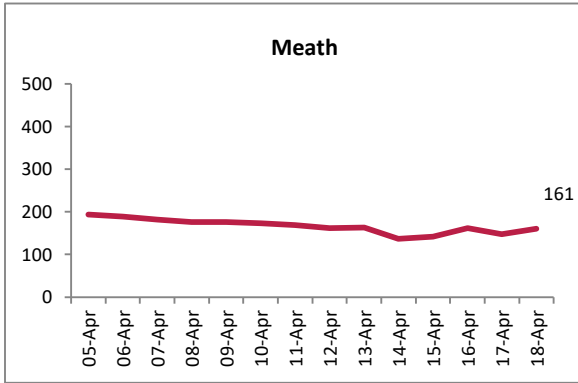
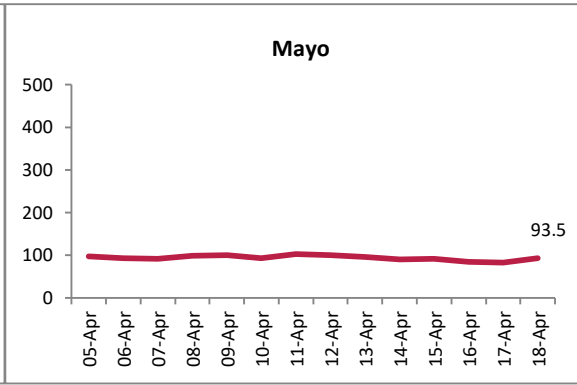
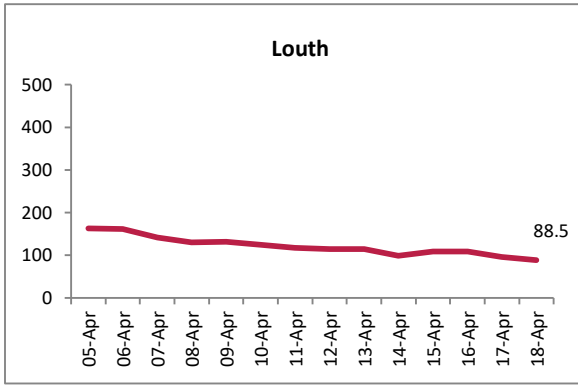
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (05/04/2021 to 18/04/2021)



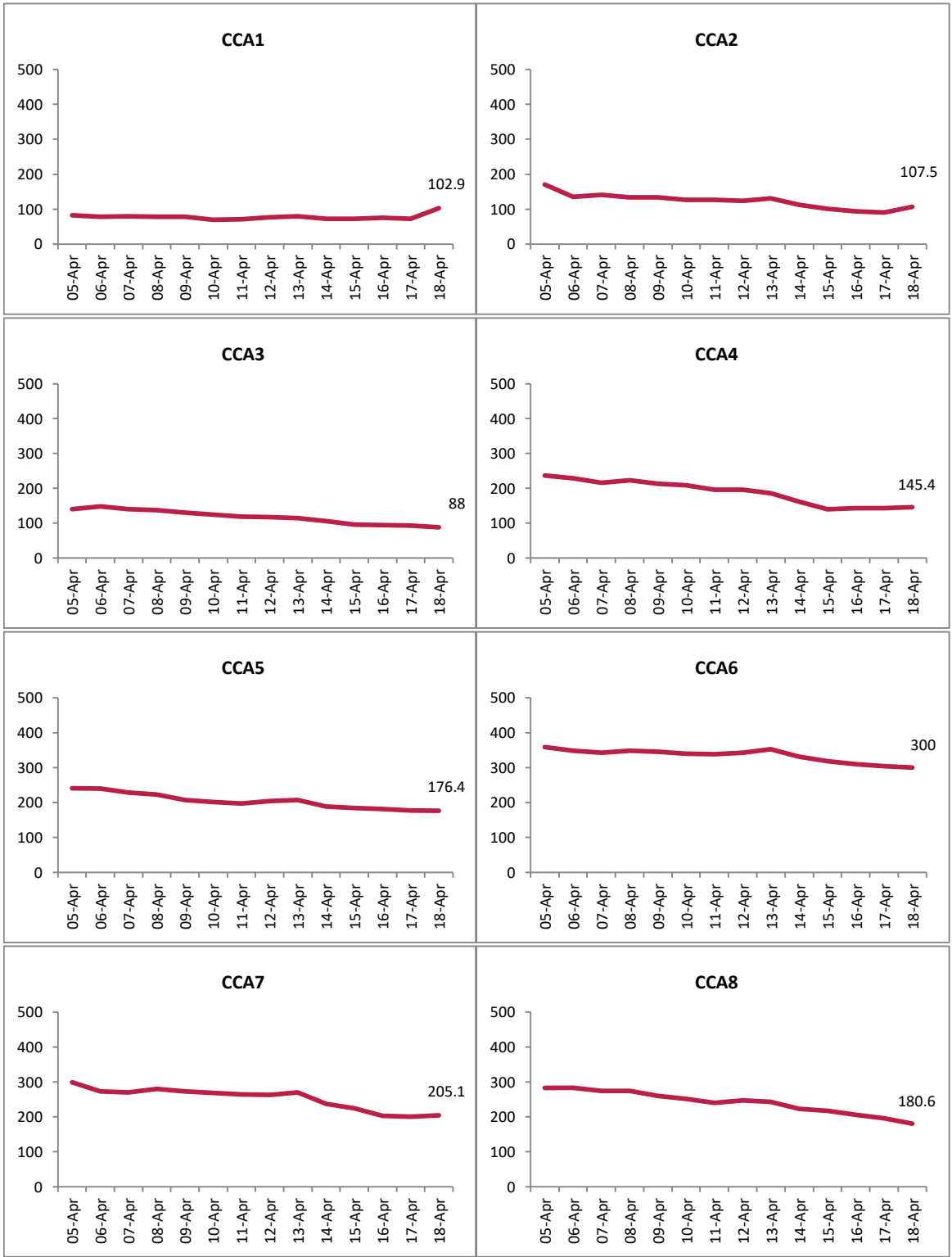








**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (05/04/2021 to 18/04/2021)**



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