



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

Report prepared by HPSC on 10/05/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/04/2021 up to midnight 09/05/2021

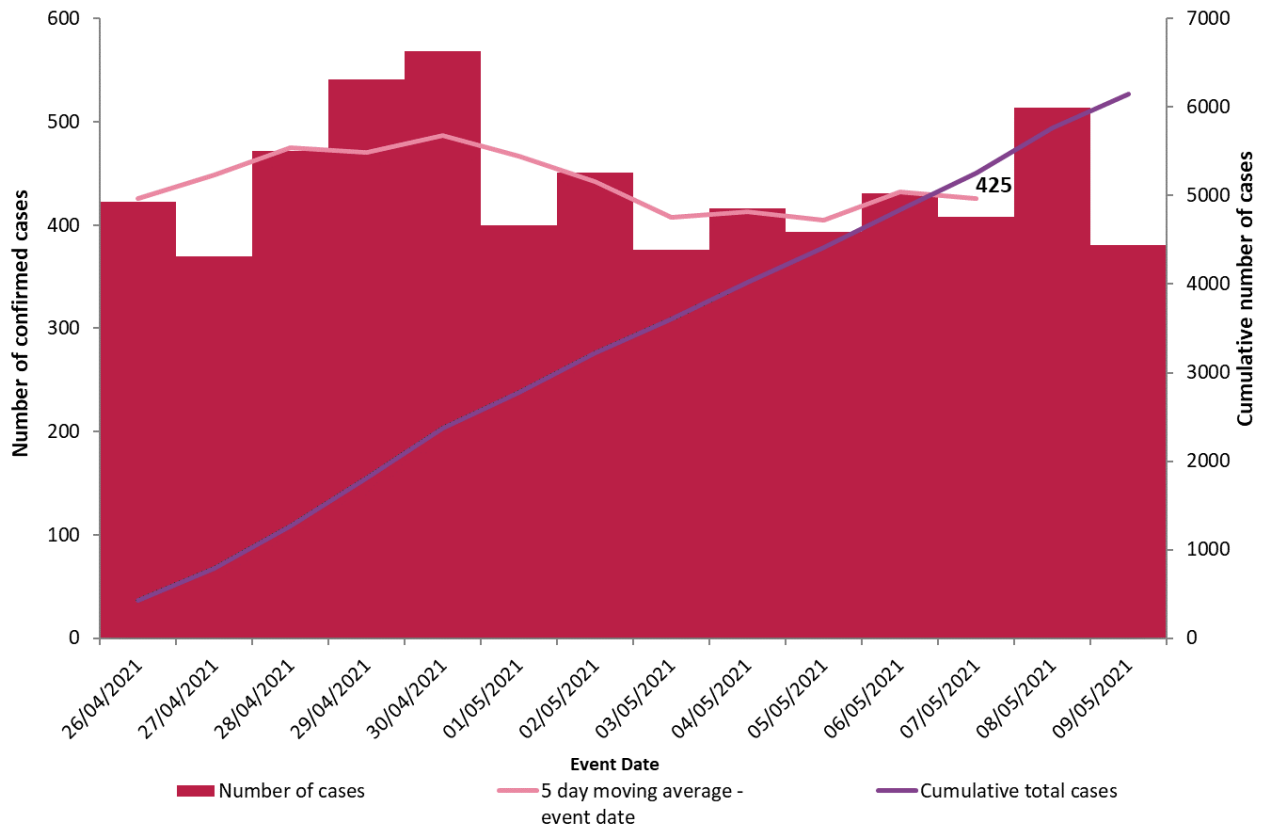
	Number	Percent
Total number of confirmed cases	6,144	
National incidence of confirmed cases per 100,000 population	129.03	
Number of cases hospitalised*	155	2.52
Number of cases admitted to ICU*	9	0.15
Number of deaths among confirmed cases	3	0.05
Case fatality ratio (CFR, %)	0.05	
National incidence of confirmed deaths per 100,000 population	0.06	
Number of cases** associated with clusters	1,588	25.85
Number of imported cases	65	1.06
Number of cases in healthcare workers	137	2.23
Males	3,076	50.07
Females	3,054	49.71
M:F ratio	1.01	
Median age (years)	29	
Mean age (years)	30	
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 26/04/2021 - 09/05/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:40 on 10/05/2021 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=6,144)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 26/04/2021 up to midnight on 09/05/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>6,144</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.01	
	Male	3,076	50.07
	Female	3,054	49.71
	Unknown	14	0.23
<b>Age</b>	Median age (years)	29	
	Mean age (years)	30	
	Age range (years)	0 - 96	
	0-4 yrs	396	6.45
	5-12 yrs	844	13.74
	13-18 yrs	654	10.64
	19-24 yrs	719	11.7
	25-34 yrs	1,010	16.44
	35-44 yrs	1,095	17.82
	45-54 yrs	795	12.94
	55-64 yrs	406	6.61
	65-74 yrs	165	2.69
	75-84 yrs	49	0.8
	85+ yrs	10	0.16
	Unknown	1	0.02
<b>Underlying clinical conditions</b>	Yes	869	14.14
	No	4,122	67.09
	Unknown	1,153	18.77
<b>Symptom status at time of test*</b>	Yes	3,476	56.58
	No	1,339	21.79
	Unknown	1,329	21.63

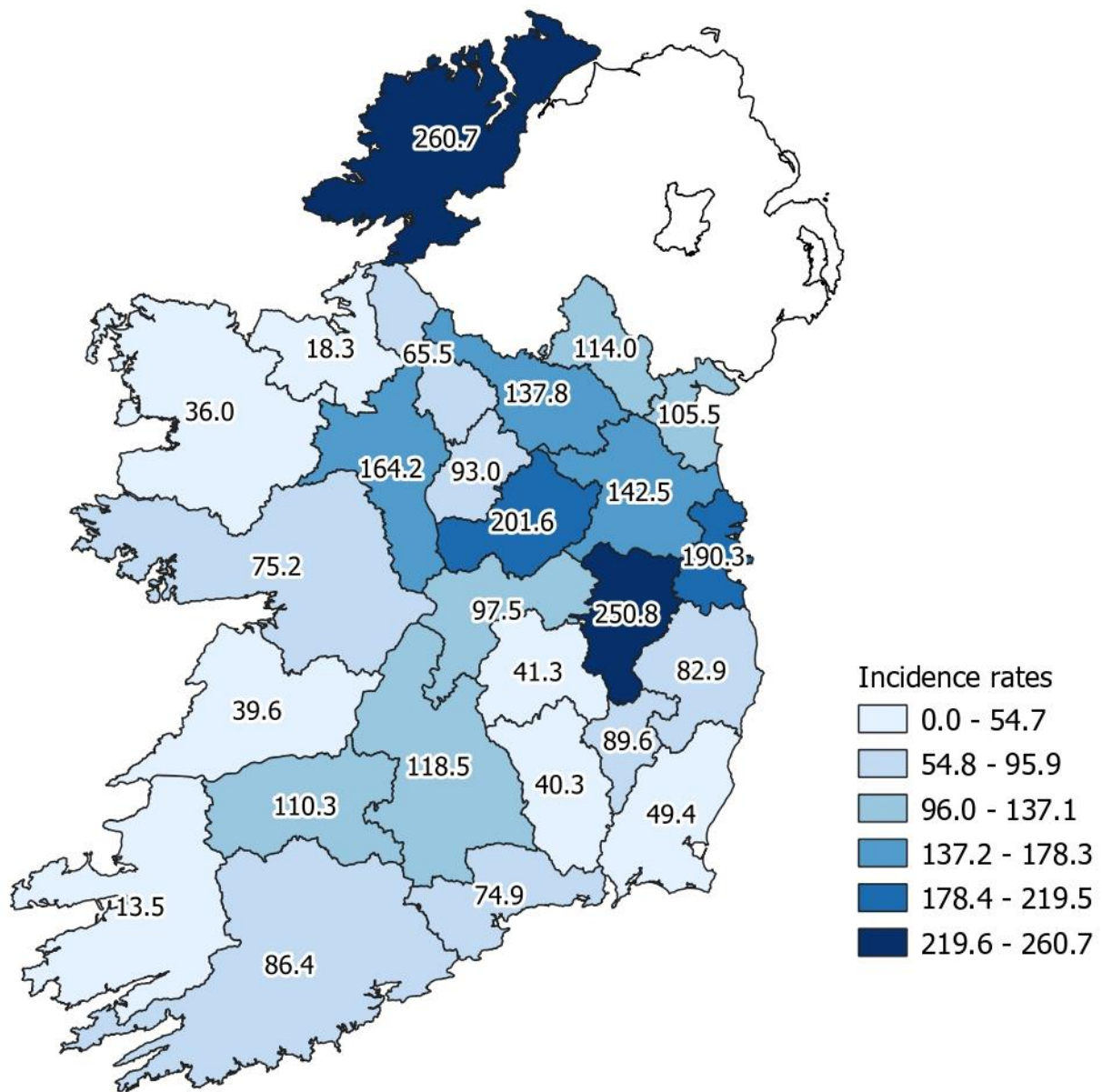
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 26/04/2021 to midnight 09/05/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	623	159.2
CHO2	347	76.6
CHO3	406	105.5
CHO4	489	70.8
CHO5	297	58.2
CHO6	637	166.2
CHO7	1,410	199.2
CHO8	742	119.8
CHO9	1,193	192.0
<b>Total</b>	<b>6,144</b>	<b>129.0</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 26/04/2021 to midnight 09/05/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (05/05/2021-09/05/2021)
Donegal	415	260.7	28
Kildare	558	250.8	34
Westmeath	179	201.6	11
Dublin	2,564	190.3	202
Roscommon	106	164.2	10
Meath	278	142.5	15
Cavan	105	137.8	6
Tipperary	189	118.5	7
Monaghan	70	114.0	6
Limerick	215	110.3	14
Louth	136	105.5	7
Offaly	76	97.5	4
Longford	38	93.0	1
Carlow	51	89.6	3
Cork	469	86.4	33
Wicklow	118	82.9	6
Galway	194	75.2	9
Waterford	87	74.9	5
Leitrim	21	65.5	1
Wexford	74	49.4	9
Laois	35	41.3	3
Kilkenny	40	40.3	3
Clare	47	39.6	4
Mayo	47	36.0	3
Sligo	12	18.3	0
Kerry	20	13.5	2
<b>Total</b>	<b>6,144</b>	<b>129.0</b>	<b>425</b>



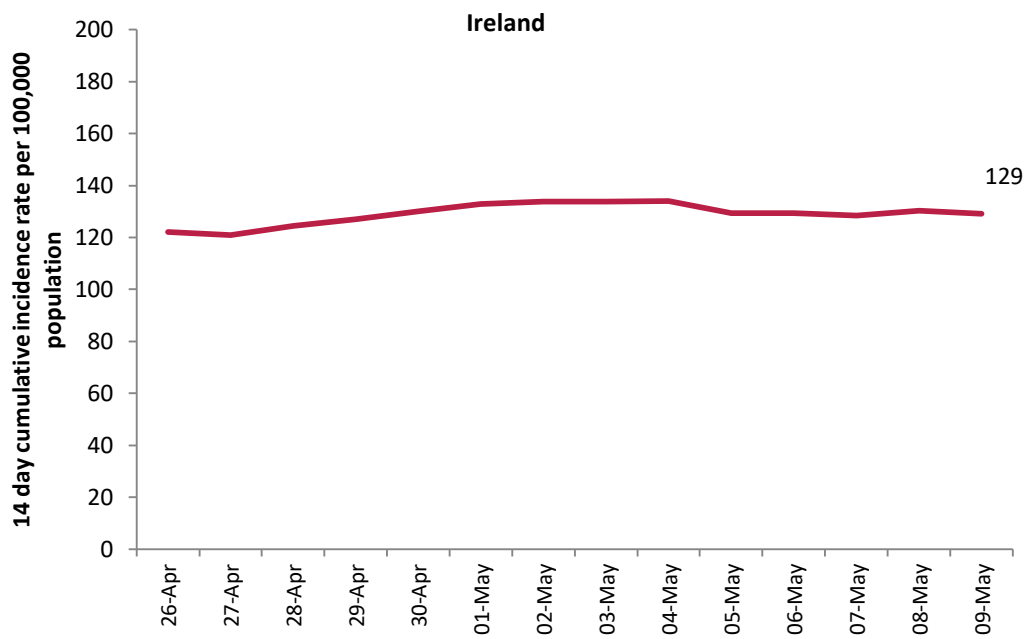
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 26/04/2021 and 09/05/2021**

*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**

**Please be advised that the CCA data are currently being validated and this table will be reintroduced once validation is complete.**

**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\* (26/04/2021 to 09/05/2021)**

\*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 26/04/2021 to midnight 09/05/2021.**

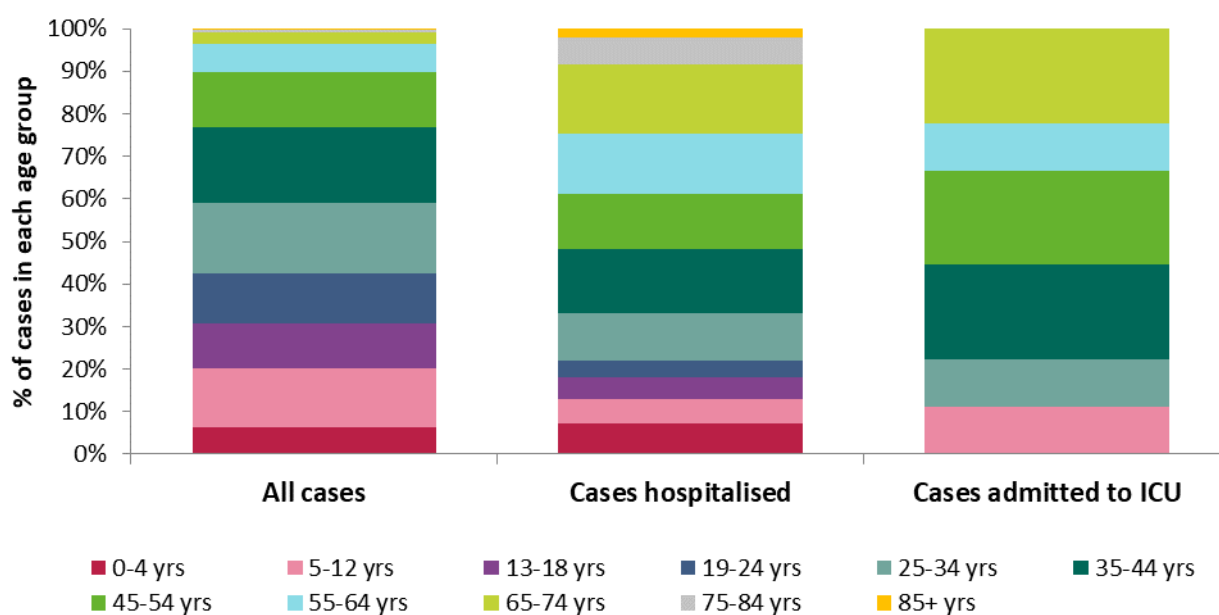
<b>Most likely transmission source</b>	<b>Number of cases</b>	<b>Percent</b>
Travel related^	211	3.43%
Close contact with a known confirmed case	3884	63.22%
Healthcare setting acquired: patient	27	0.44%
Healthcare setting acquired: staff	17	0.28%
Community transmission	898	14.62%
Under investigation	1,107	18.02%
<b>Total</b>	<b>6,144</b>	<b>100.00%</b>

^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 26/04/2021 to midnight 09/05/2021 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	396	11	7.10	0
5-12 yrs	844	9	5.81	<5
13-18 yrs	654	8	5.16	0
19-24 yrs	719	6	3.87	0
25-34 yrs	1010	17	10.97	<5
35-44 yrs	1095	23	14.84	<5
45-54 yrs	795	20	12.90	<5
55-64 yrs	406	22	14.19	<5
65-74 yrs	165	25	16.13	<5
75-84 yrs	49	10	6.45	0
85+ yrs	10	3	1.94	0
Unknown	1	1	0.65	0
<b>Total</b>	<b>6,144</b>	<b>155</b>	<b>100</b>	<b>9</b>



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 26/04/2021 to midnight 09/05/2021 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<sup>^</sup> in all COVID-19 cases notified in Ireland from 26/04/2021 up to midnight 09/05/2021

	Number	Percent
Total number of deaths	5	
Confirmed	3	60
Probable	1	20
Possible	1	20
Total number of cases hospitalised	2	40
Total number of male cases	3	60
M:F ratio	1.5	
Median age (years)	70	
Mean age (years)	73	
Age range (years)	65 - 87	

<sup>^</sup> 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  $\geq 85$  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.

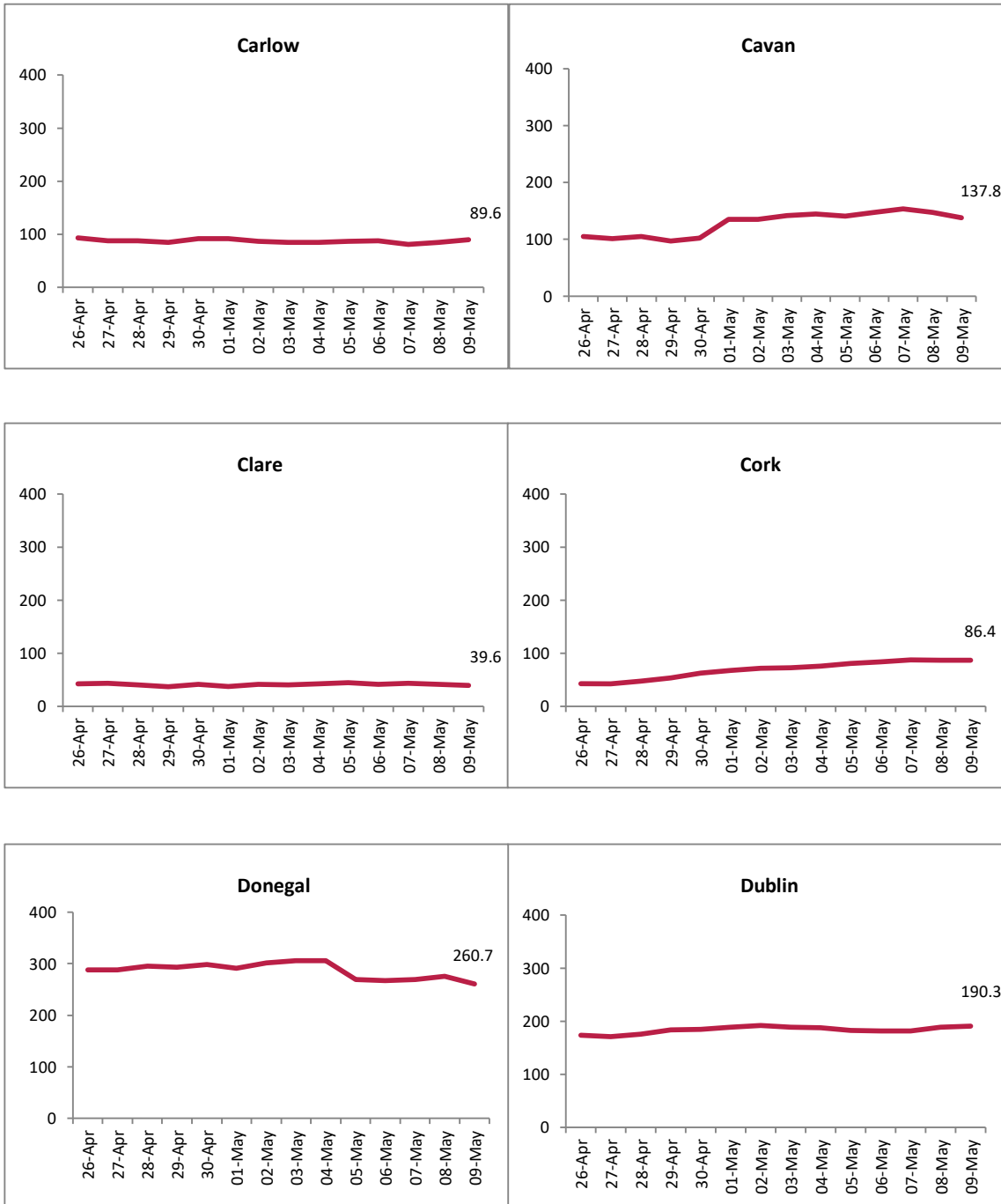
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

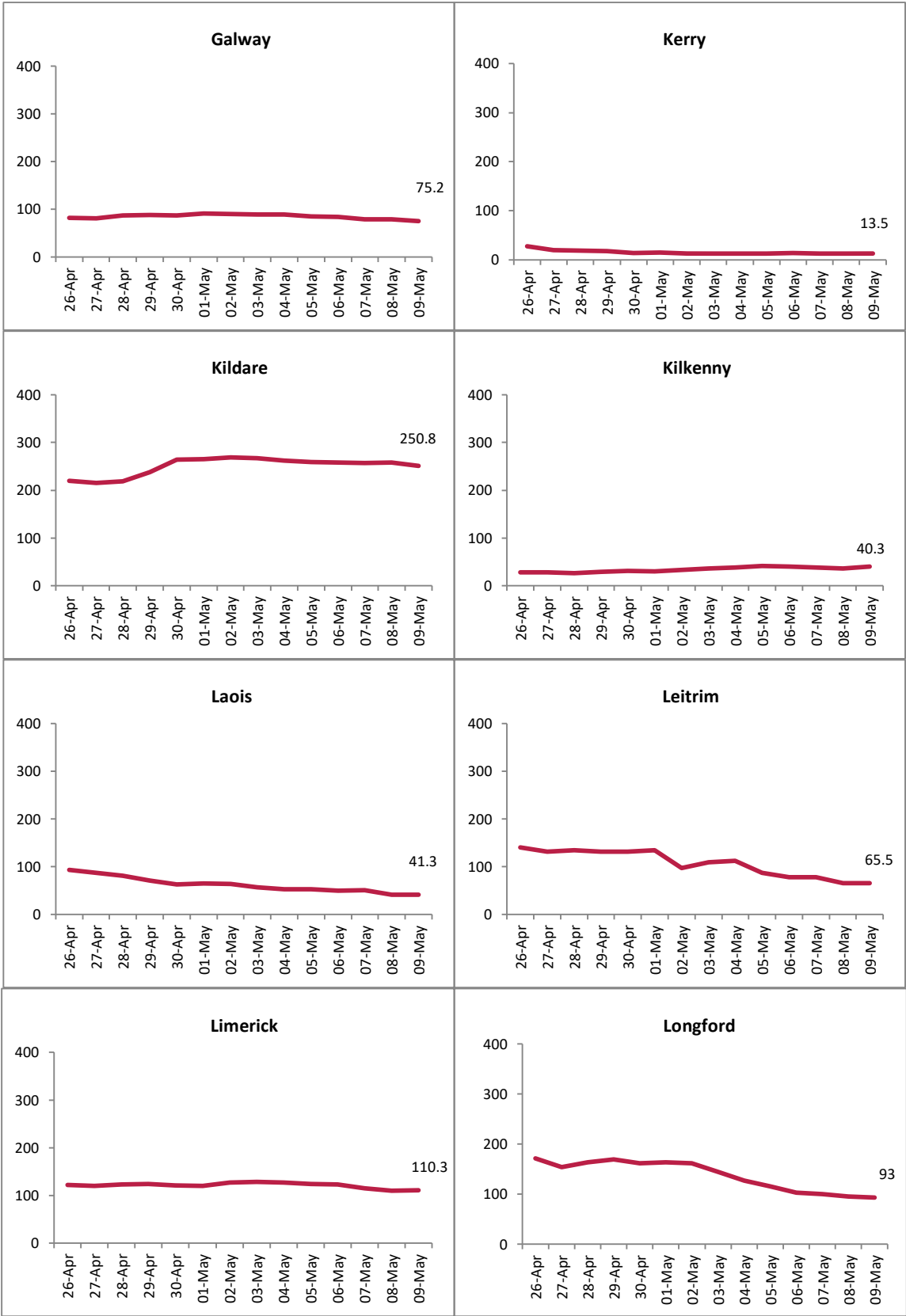
WHO definition of transmission classification is specified below:

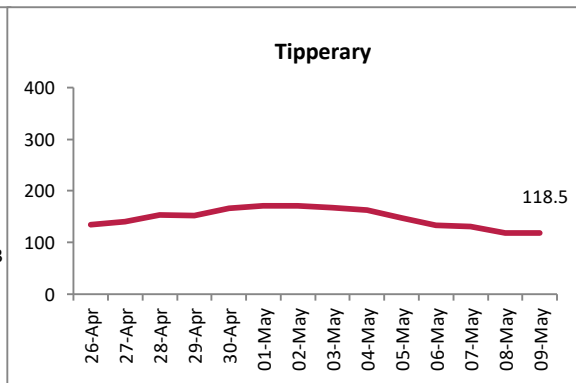
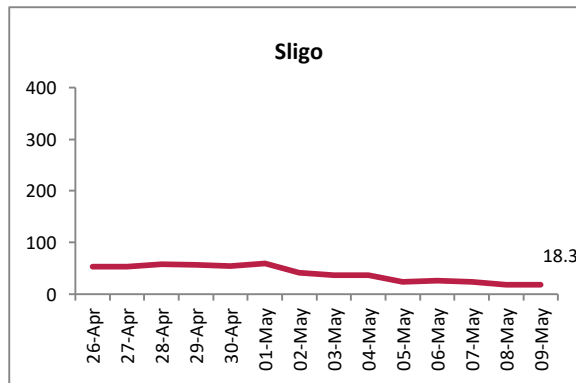
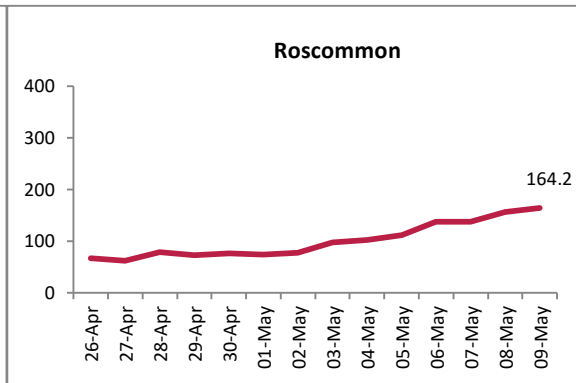
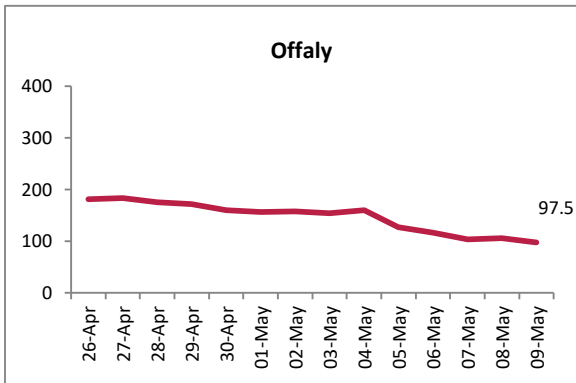
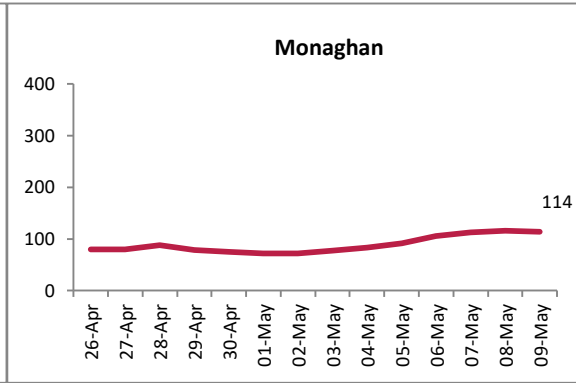
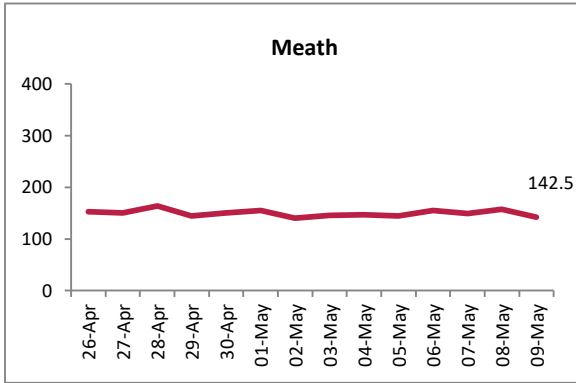
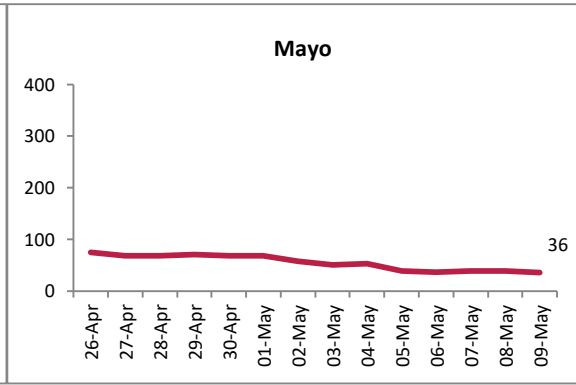
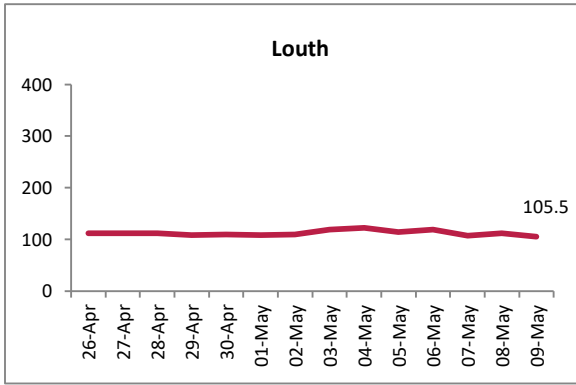
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.

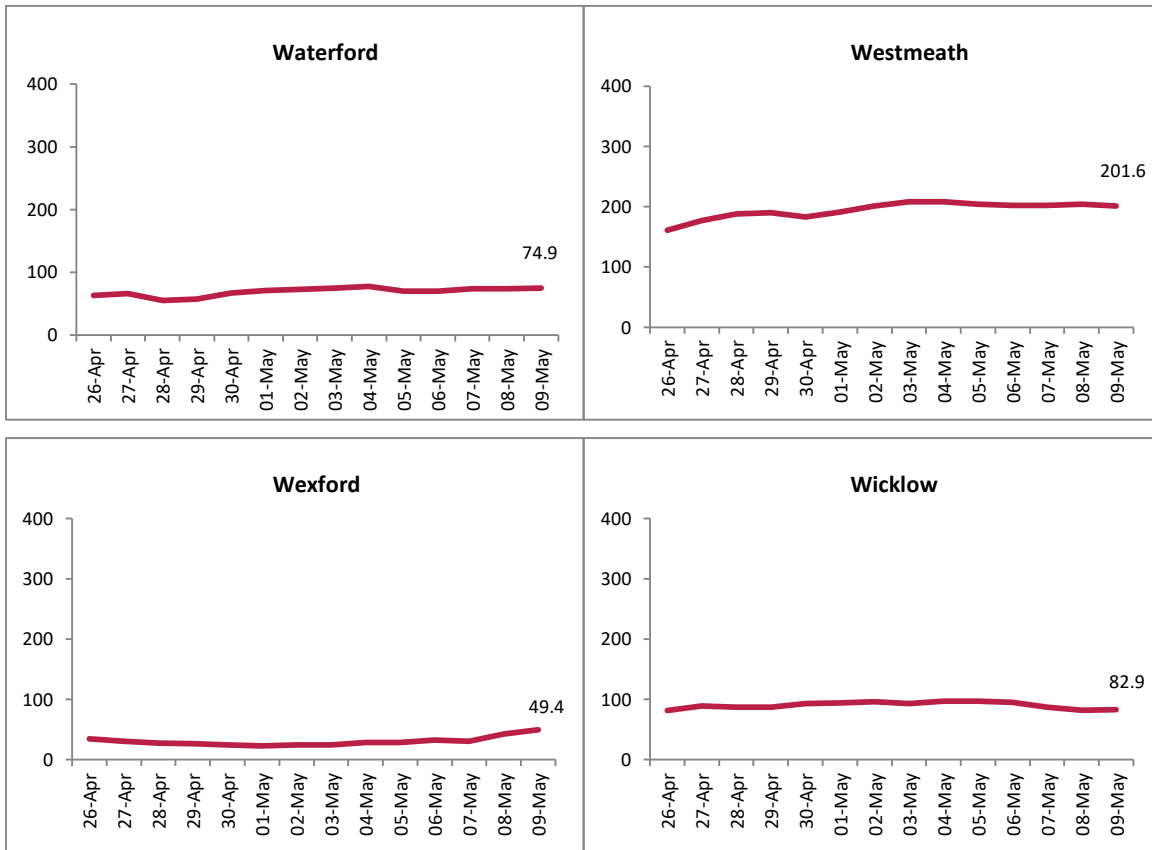
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (26/04/2021 to 09/05/2021)









Please be advised that the Dublin CCA data are being validated and the CCA graphs (Figure B) will be reintroduced once validation is complete.