



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

Report prepared by HPSC on 01/04/2021

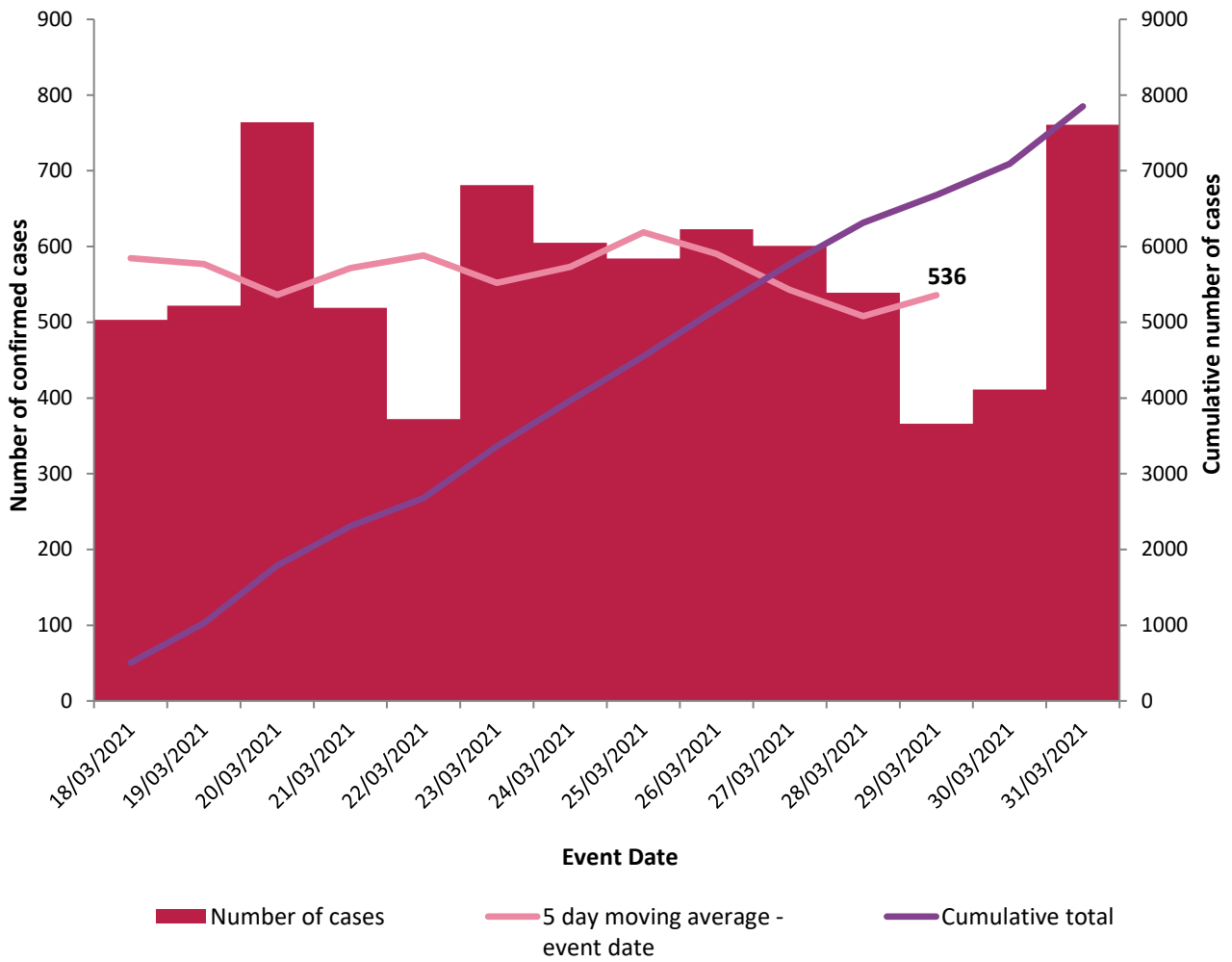
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 18/03/2021 up to midnight 31/03/2021

	Number	Percent
Total number of confirmed cases	7,851	
National incidence of confirmed cases per 100,000 population	164.87	
Number of cases hospitalised*	327	4.17
Number of cases admitted to ICU*	25	0.32
Number of deaths among confirmed cases	15	0.19
Case fatality ratio (CFR, %)	0.19	
National incidence of confirmed deaths per 100,000 population	0.32	
Number of cases** associated with clusters	1,982	25.25
Number of imported cases	57	0.73
Number of cases in healthcare workers	192	2.45
% HCW where HCW status known (n=6,040)		3.18
Males	3,915	49.87
Females	3,923	49.97
M:F ratio	1	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 99	

\* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

\*\*Cases may be associated with outbreaks notified outside the timeframe of this report  
18/03/2021 - 31/03/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:03 on 01/04/2021 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=7,851)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 18/03/2021 up to midnight on 31/03/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>7,851</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1	
	Male	3,915	49.87
	Female	3,923	49.97
	Unknown	13	0.17
<b>Age</b>	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 99	
	0-4 yrs	690	8.79
	5-12 yrs	1,063	13.54
	13-18 yrs	615	7.83
	19-24 yrs	690	8.79
	25-34 yrs	1,240	15.79
	35-44 yrs	1,463	18.63
	45-54 yrs	905	11.53
	55-64 yrs	584	7.44
	65-74 yrs	332	4.23
	75-84 yrs	194	2.47
	85+ yrs	75	0.96
<b>Symptom status at time of test*</b>	Yes	4,429	56.41
	No	1,671	21.28
	Unknown	1,751	22.3

\*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 18/03/2021 to midnight 31/03/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	657	167.9
CHO2	455	100.4
CHO3	395	102.6
CHO4	299	43.3
CHO5	564	110.5
CHO6	560	146.1
CHO7	1,394	197.0
CHO8	1,510	243.8
CHO9	2,017	324.6
<b>Total</b>	<b>7,851</b>	<b>164.9</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 18/03/2021 to midnight 31/03/2021**

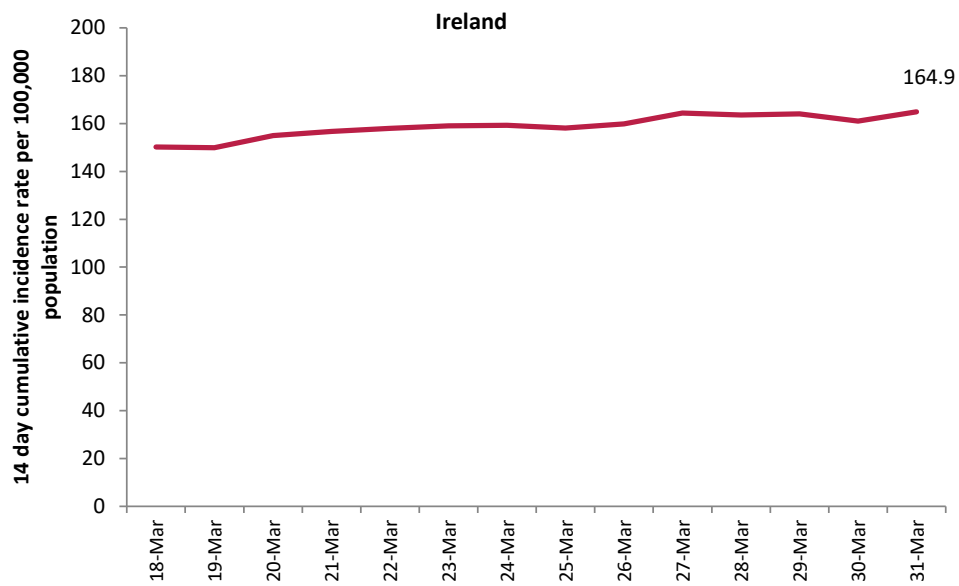
County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (27/03/2021-31/03/2021)
Offaly	397	509.2	24
Donegal	448	281.4	24
Dublin	3336	247.6	223
Westmeath	210	236.6	19
Meath	433	222.0	30
Kildare	490	220.2	34
Laois	178	210.2	15
Longford	83	203.1	4
Tipperary	261	163.6	16
Louth	209	162.2	16
Cavan	122	160.2	12
Wexford	224	149.6	14
Roscommon	73	113.1	3
Limerick	206	105.7	18
Galway	270	104.6	16
Waterford	120	103.3	4
Wicklow	145	101.8	9
Mayo	112	85.8	10
Carlow	44	77.3	3
Leitrim	22	68.7	2
Monaghan	37	60.3	5
Clare	66	55.5	6
Cork	263	48.4	22
Sligo	28	42.7	0
Kilkenny	38	38.3	1
Kerry	36	24.4	3
<b>Total</b>	<b>7,851</b>	<b>164.9</b>	<b>536</b>



**Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices\* (LHOs) notified in Ireland with a notification date between 18/03/2021 and 31/03/2021**

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	133	97.7
CCA2	Dublin South East	286	231.2
CCA3	Dublin South City	181	120.7
CCA4	Dublin South West	333	207.0
CCA5	Dublin West	386	248.5
CCA6	Dublin North West	738	355.4
CCA7	Dublin North Central	611	395.3
CCA8	Dublin North	668	257.8
	<b>Dublin</b>	<b>3,336</b>	<b>247.6</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\* (18/03/2021 to 31/03/2021)**

\*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 18/03/2021 to midnight 31/03/2021**

Most likely transmission source	Number of cases	Percent
Travel related*	156	1.99%
Close contact with a known confirmed case	4,183	53.28%
Healthcare setting acquired: patient	115	1.46%
Healthcare setting acquired: staff	48	0.61%
Community transmission	1,513	19.27%
Under investigation	1,836	23.39%
<b>Total</b>	<b>7,851</b>	<b>100.00%</b>

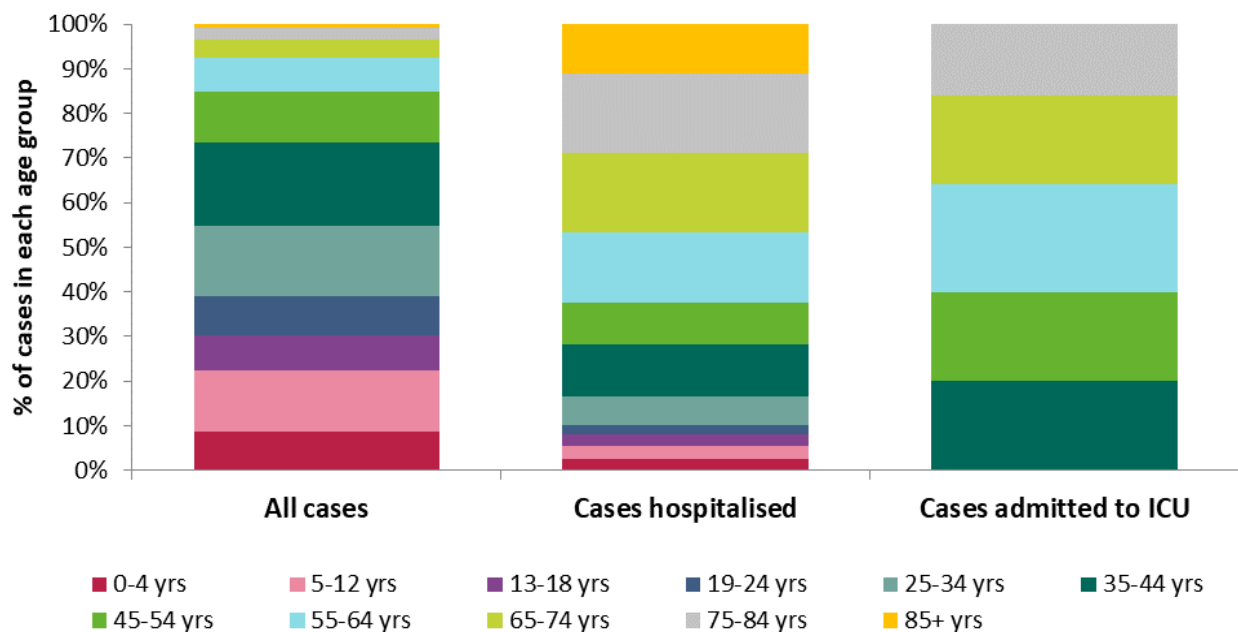
\*Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases



**Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 18/03/2021 to midnight 31/03/2021 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	690	8	2.45	0	0
5-12 yrs	1063	10	3.06	0	0
13-18 yrs	615	8	2.45	0	0
19-24 yrs	690	7	2.14	0	0
25-34 yrs	1240	21	6.42	0	0
35-44 yrs	1463	38	11.62	5	20.00
45-54 yrs	905	31	9.48	5	20.00
55-64 yrs	584	51	15.60	6	24.00
65-84 yrs	526	117	35.78	9	36.00
85+ yrs	75	36	11.01	0	0
<b>Total</b>	<b>7,851</b>	<b>327</b>	<b>100</b>	<b>25</b>	<b>100</b>

\* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 18/03/2021 to midnight 31/03/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU\***

## Deaths among COVID-19 cases

**Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 18/03/2021 up to midnight 31/03/2021**

	Number	Percent
Total number of deaths	16	
Confirmed	15	93.75
Probable	1	6.25
Total number of cases hospitalised	12	75
Number with underlying clinical conditions	15	93.75*
Total number of male cases	11	68.75
M:F ratio	2.2	
Median age (years)	79	
Mean age (years)	76	
Age range (years)	49 - 93	

**Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 18/03/2021 up to midnight 31/03/2021**

Age group (years)	Female	Male	Total	Percent
<75 yrs	*	*	6	37.5
75+ yrs	*	*	10	62.5
<b>Total</b>	<b>5</b>	<b>11</b>	<b>16</b>	<b>100</b>
<b>Percent</b>	<b>31.25</b>	<b>68.75</b>		

## **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 at 08:03 on 01/04/2021. 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.

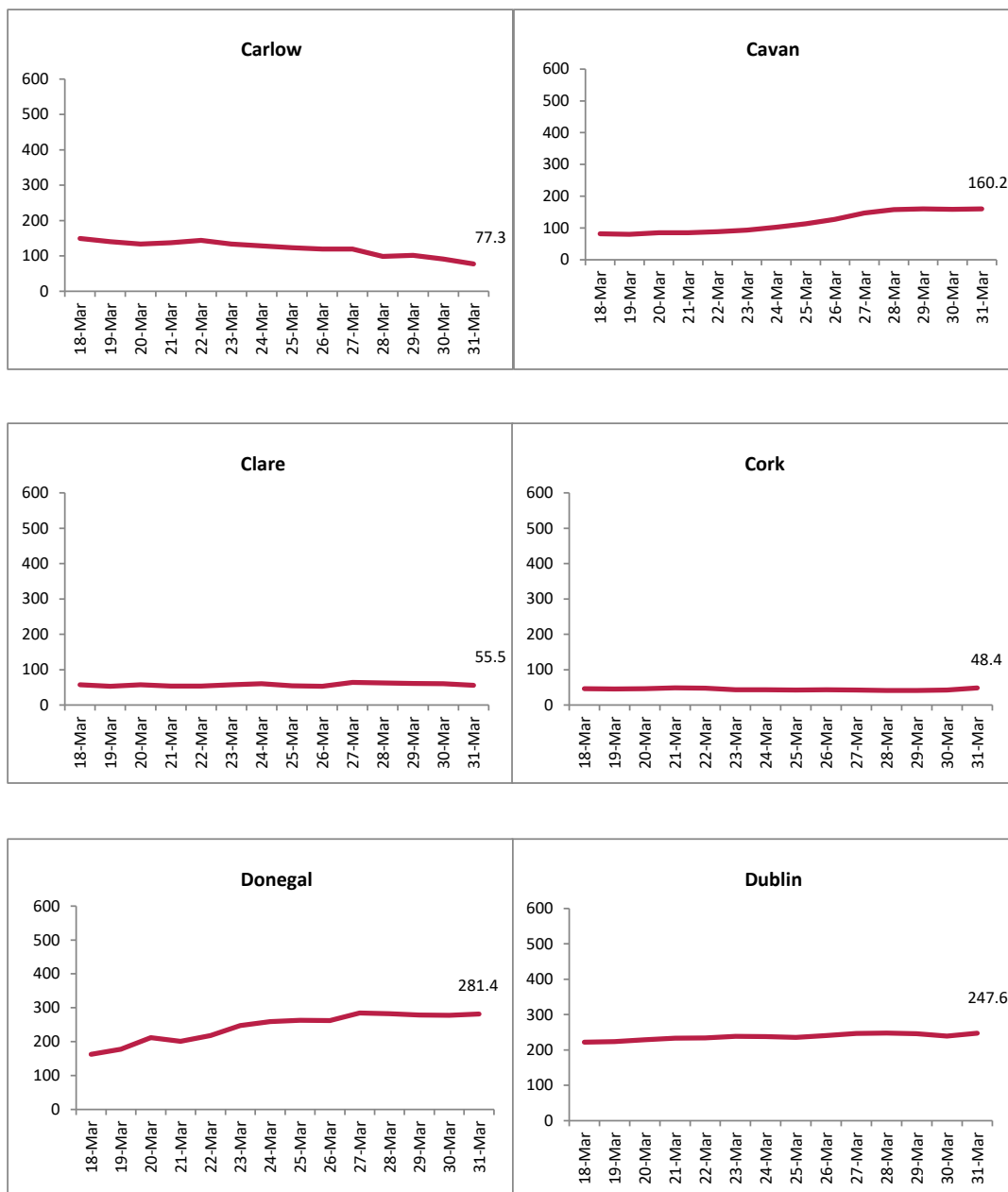
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

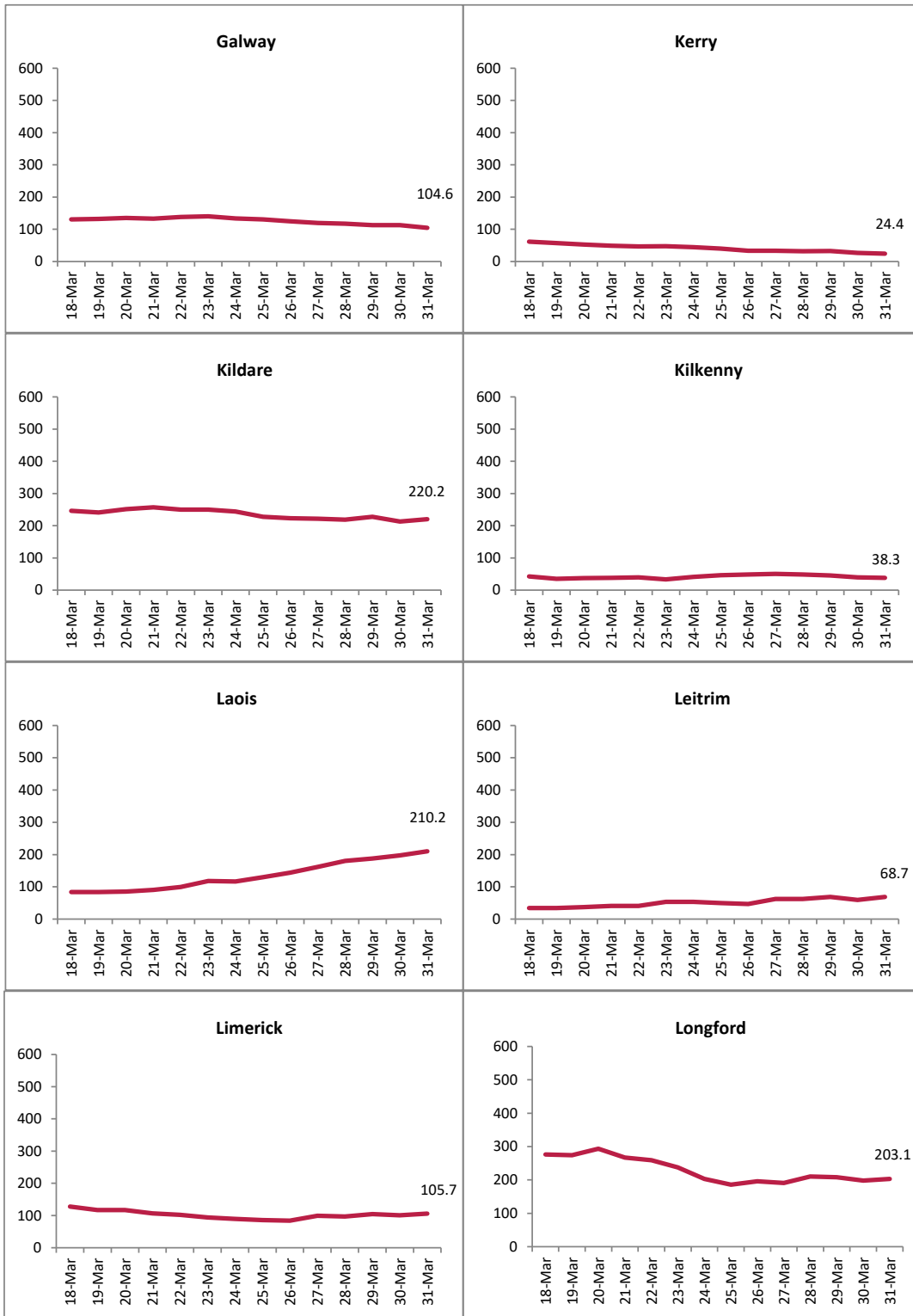
WHO definition of transmission classification is specified below:

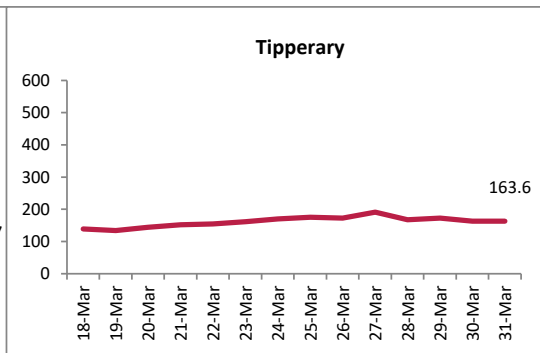
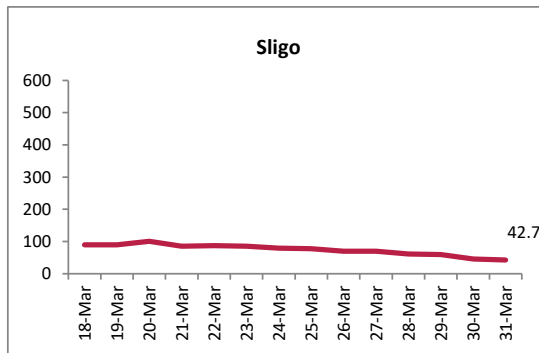
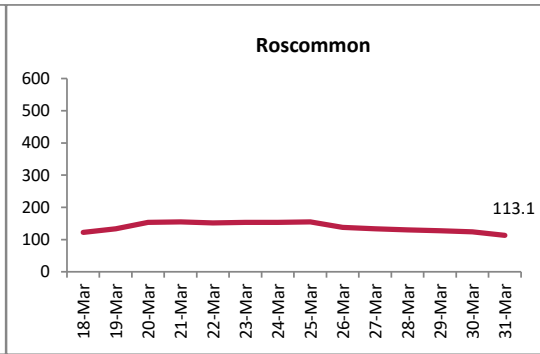
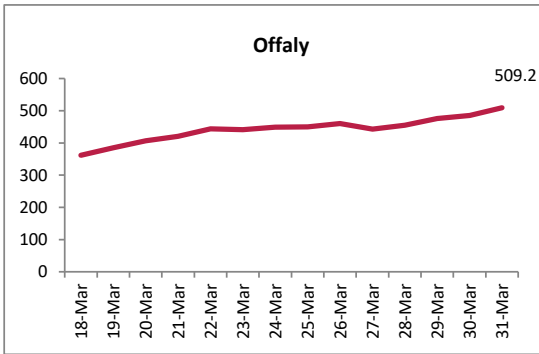
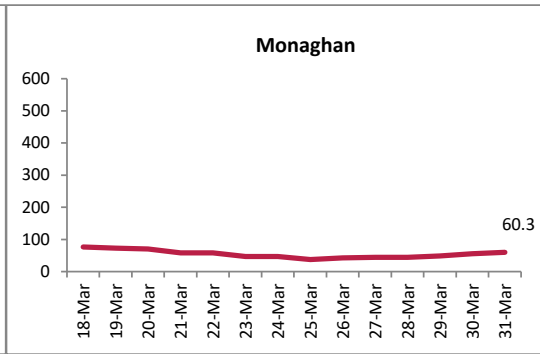
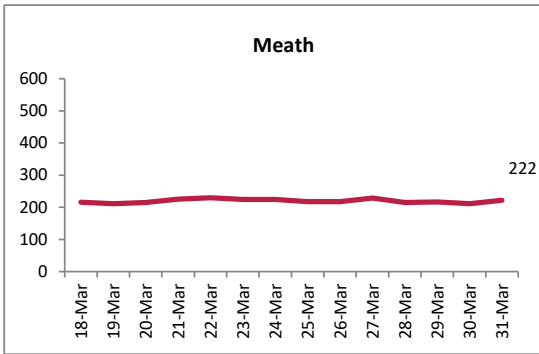
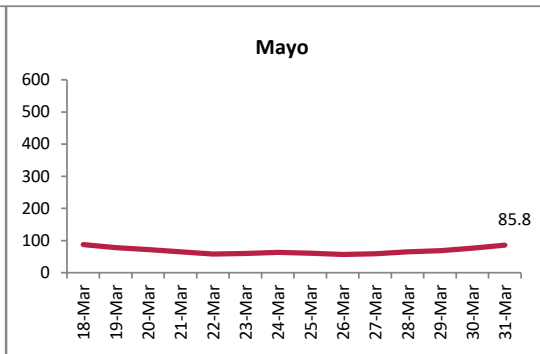
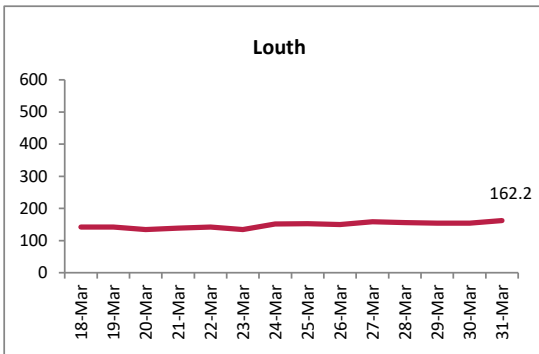
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

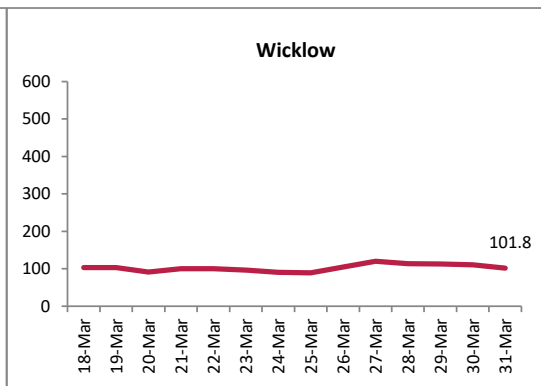
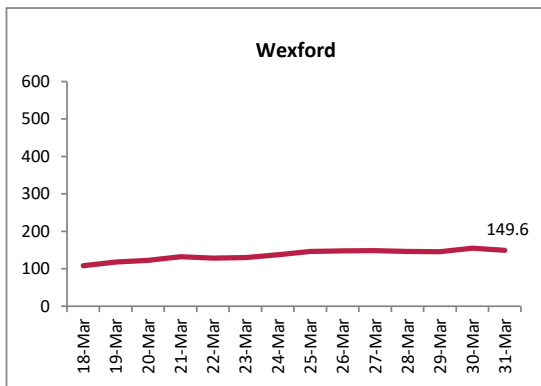
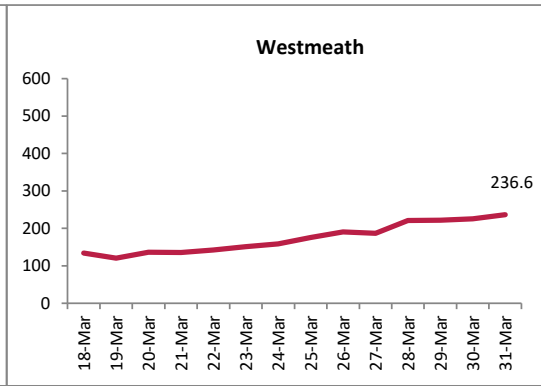
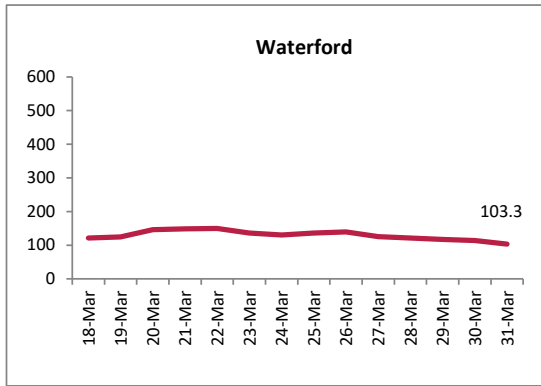
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (18/03/2021 to 31/03/2021)











**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (18/03/2021 to 31/03/2021)**

