



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

Report prepared by HPSC on 05/12/2020

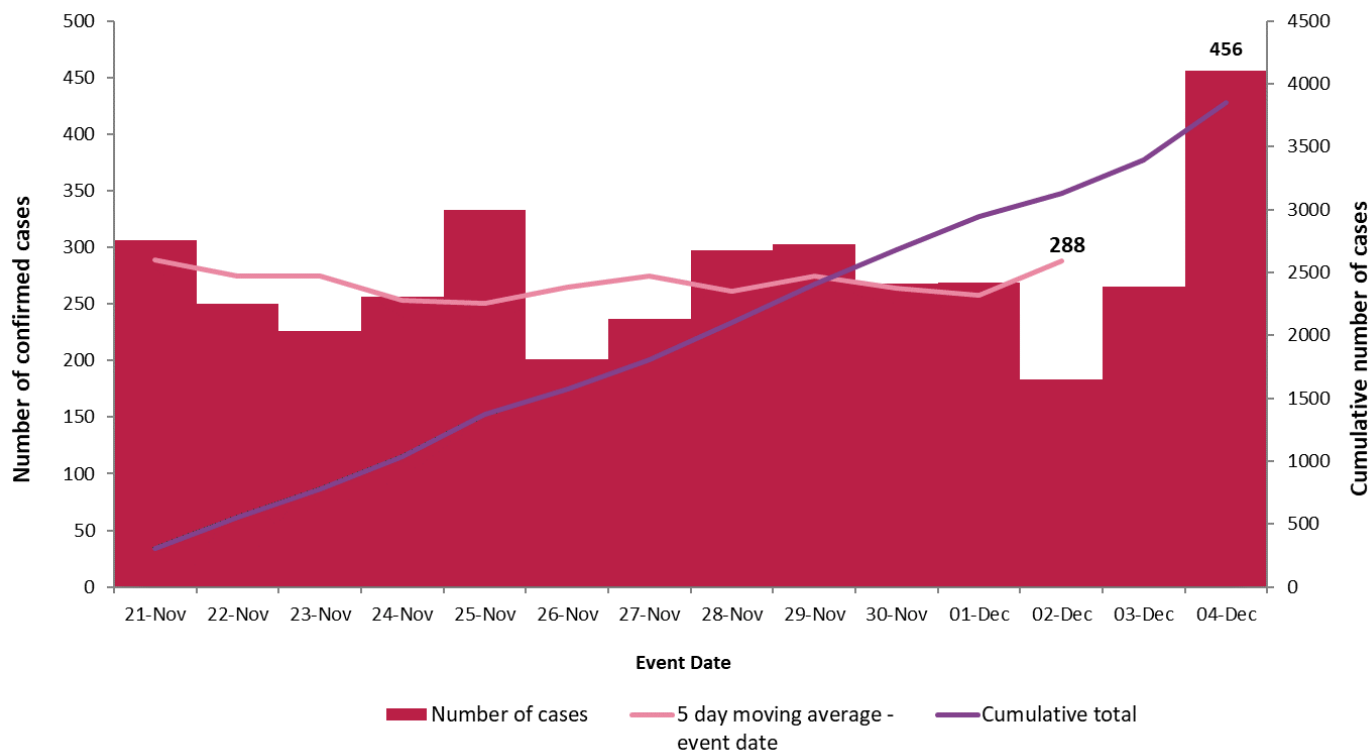
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 21/11/2020 up to midnight 04/12/2020

	Number	Percent
Total number of confirmed cases	3,850	
National incidence of confirmed cases per 100,000 population	80.85	
Number of cases hospitalised*	239	6.21
Number of cases admitted to ICU*	11	0.29
Number of deaths among confirmed cases	16	0.42
Case fatality ratio (CFR, %)	0.42	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	1,287	33.43
Number of imported cases	7	0.18
Number of cases in healthcare workers	438	11.38
Males	1,916	49.77
Females	1,922	49.92
M:F ratio	1	
Median age (years)	35	
Mean age (years)	37	
Age range (years)	0 - 102	

\* 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  
21/11/2020 - 04/12/2020

**Note:** Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:05 on 05/12/2020 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=3,850)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 21/11/2020 up to midnight on 04/12/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>3,850</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1	
	Male	1,916	49.77
	Female	1,922	49.92
	Unknown	12	0.31
<b>Age</b>	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	156	4.05
	5-12 yrs	358	9.3
	13-18 yrs	338	8.78
	19-24 yrs	472	12.26
	25-34 yrs	580	15.06
	35-44 yrs	588	15.27
	45-54 yrs	517	13.43
	55-64 yrs	343	8.91
	65-74 yrs	197	5.12
	75-84 yrs	183	4.75
	85+ yrs	117	3.04
	Unknown	1	0.03
<b>Underlying clinical conditions</b>	Yes	1,094	28.42
	No	2,162	56.16
	Unknown	594	15.43
<b>Symptom status at time of test*</b>	Yes	2,238	58.13
	No	948	24.62
	Unknown	664	17.25

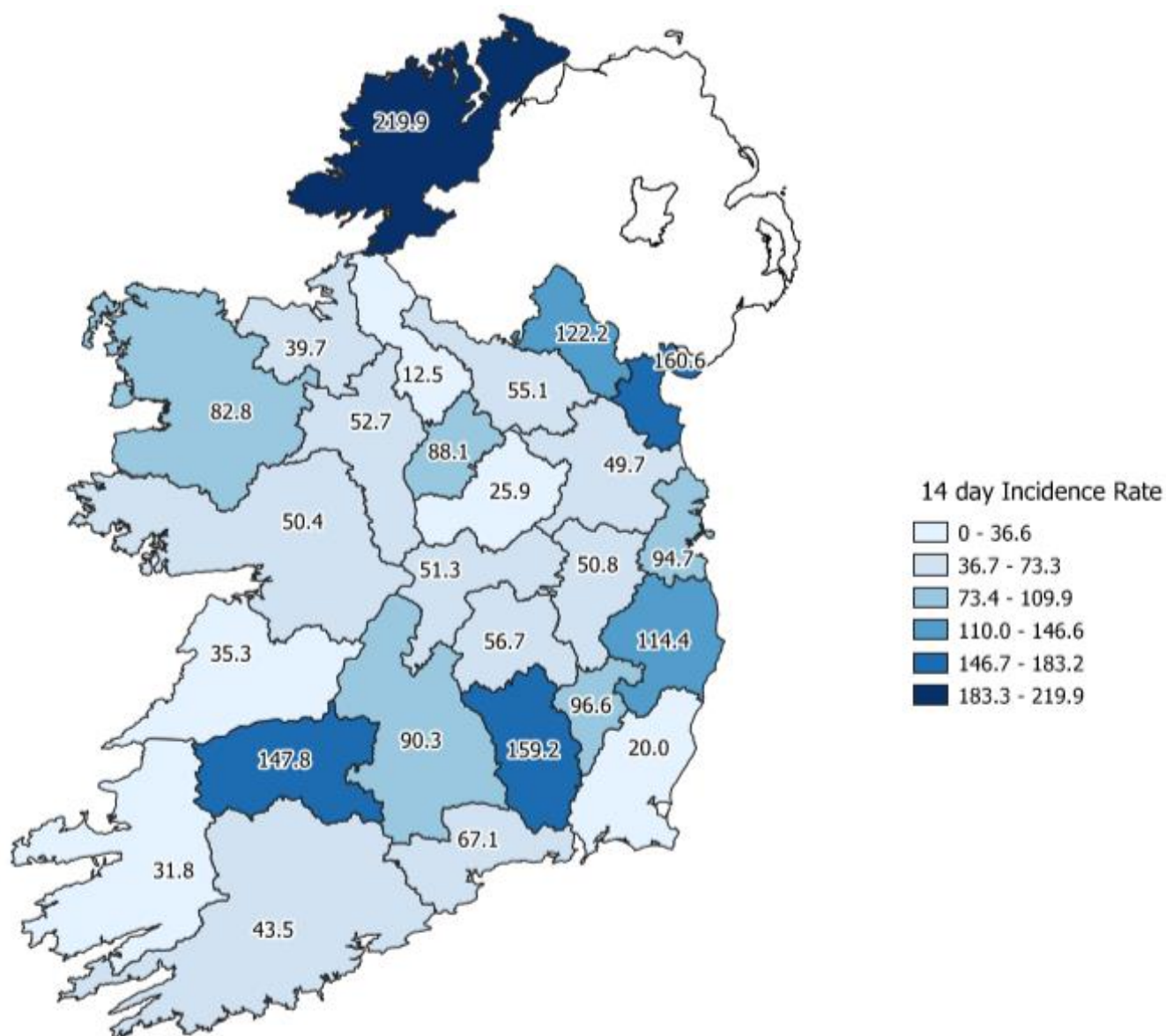
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 21/11/2020 to midnight 04/12/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	497	127.0
CHO2	272	60.0
CHO3	370	96.1
CHO4	283	41.0
CHO5	424	83.1
CHO6	462	120.6
CHO7	481	68.0
CHO8	452	73.0
CHO9	609	98.0
Unknown	0	
<b>Total</b>	<b>3,850</b>	<b>80.9</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 21/11/2020 to midnight 04/12/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	55	96.6
Cavan	42	55.1
Clare	42	35.3
Cork	236	43.5
Donegal	350	219.9
Dublin	1276	94.7
Galway	130	50.4
Kerry	47	31.8
Kildare	113	50.8
Kilkenny	158	159.2
Laois	48	56.7
Leitrim	4	12.5
Limerick	288	147.8
Longford	36	88.1
Louth	207	160.6
Mayo	108	82.8
Meath	97	49.7
Monaghan	75	122.2
Offaly	40	51.3
Roscommon	34	52.7
Sligo	26	39.7
Tipperary	144	90.3
Waterford	78	67.1
Westmeath	23	25.9
Wexford	30	20.0
Wicklow	163	114.4
<b>Total</b>	<b>3,850</b>	<b>80.9</b>



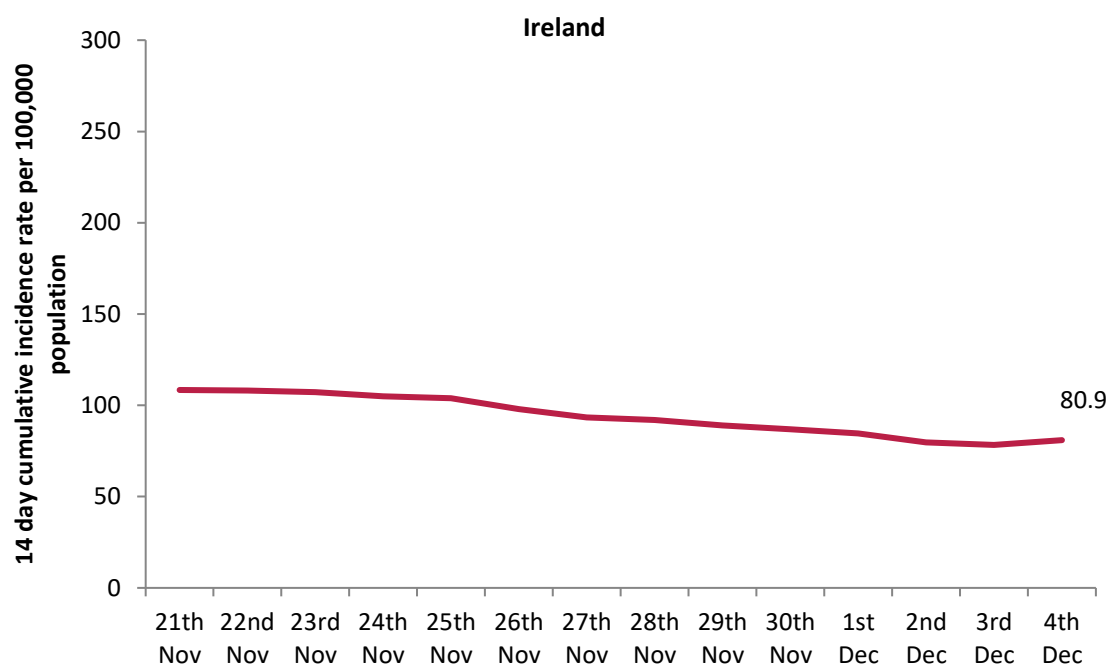
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 21/11/2020 and 04/12/2020**

*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 21/11/2020 and 04/12/2020**

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	112	82.3
CCA2	Dublin South East	189	152.8
CCA3	Dublin South City	105	70.0
CCA4	Dublin South West	131	81.4
CCA5	Dublin West	130	83.7
CCA6	Dublin North West	202	97.3
CCA7	Dublin North Central	224	144.9
CCA8	Dublin North	183	70.6
<b>Dublin</b>		<b>1276</b>	<b>94.7</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 (21/11/2020 to 04/12/2020)**

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: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 21/11/2020 to midnight 04/12/2020 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	156	1	0.4	0	0.0
5-12 yrs	358	1	0.4	0	0.0
13-18 yrs	338	1	0.4	0	0.0
19-24 yrs	472	4	1.7	0	0.0
25-34 yrs	580	17	7.1	0	0.0
35-44 yrs	588	15	6.3	1	9.1
45-54 yrs	517	25	10.5	1	9.1
55-64 yrs	343	28	11.7	5	45.5
65-74 yrs	197	41	17.2	1	9.1
75-84 yrs	183	65	27.2	3	27.3
85+ yrs	117	41	17.2	0	0.0
Unknown	1			0	0
<b>Total</b>	<b>3,850</b>	<b>239</b>	<b>100</b>	<b>11</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



## 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 10:05 on 12/5/20. 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. Epidemiological date

Epidemiological date is derived from the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date and event creation/notification date.

### 3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-14 years, 15-24 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.

### 4. HSE areas

The counties covered by each HSE area are as follows:

- HSE East (E): Dublin, Kildare & Wicklow;
- HSE Midlands (M): Laois, Longford, Offaly & Westmeath;
- HSE Midwest (MW): Clare, Limerick & N. Tipperary;
- HSE Northeast (NE): Cavan, Louth, Meath & Monaghan;
- HSE Northwest (NW): Donegal, Leitrim & Sligo;
- HSE South (S): Kerry & Cork;
- HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;
- HSE West (W): Galway, Mayo & Roscommon.

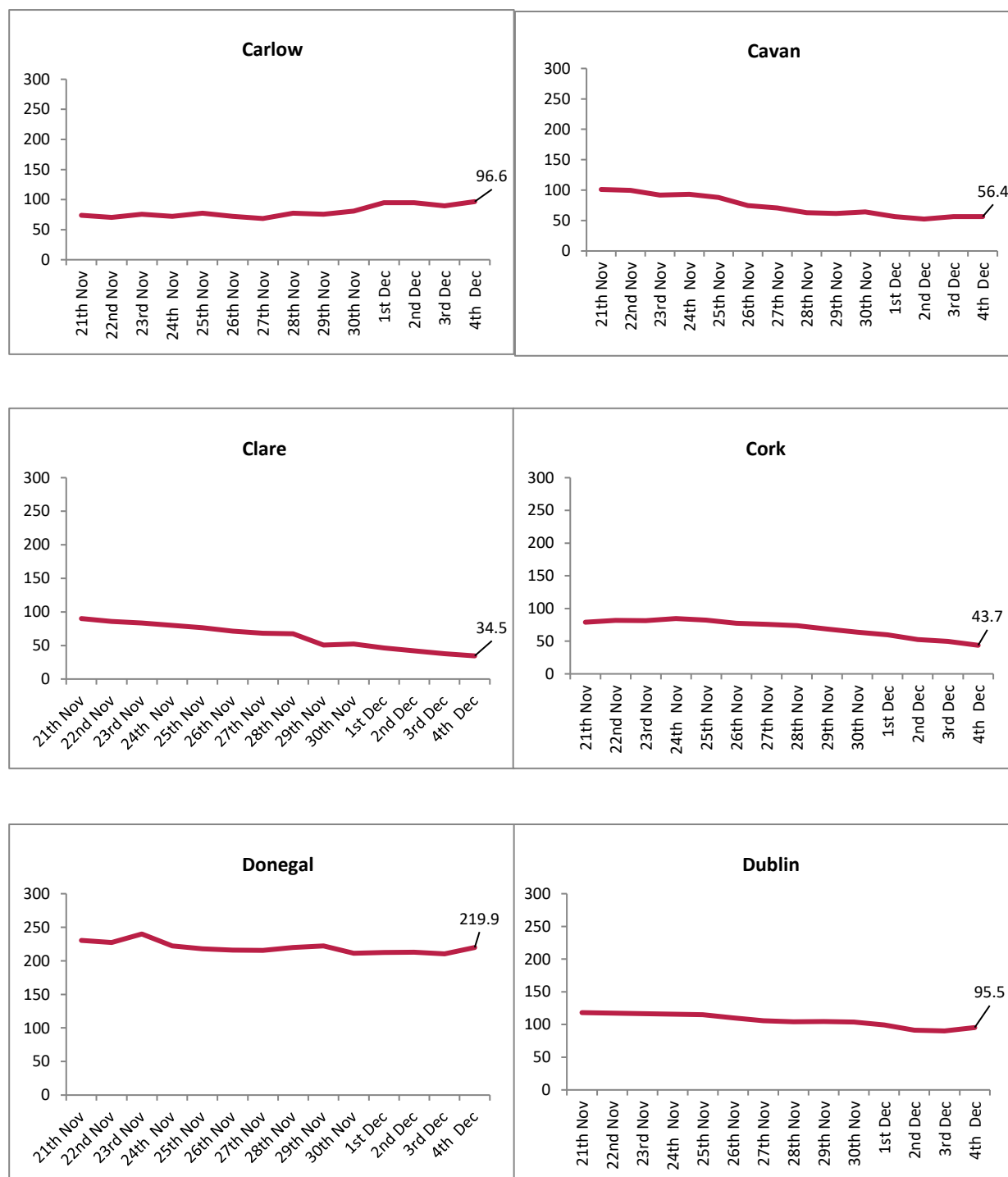
### 5. Outbreak location

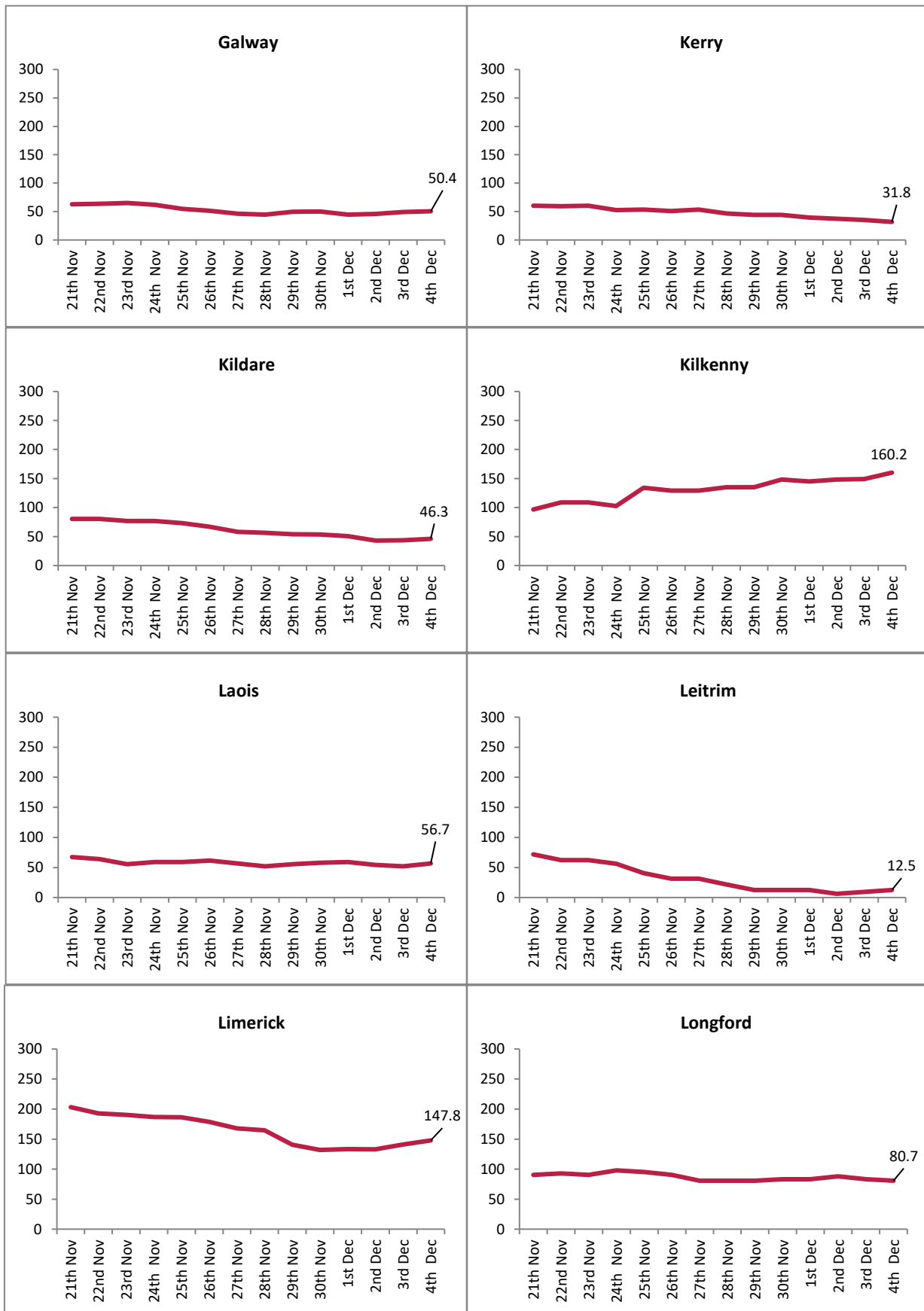
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

## Appendix 1

**Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (21/11/2020 to 04/12/2020)**





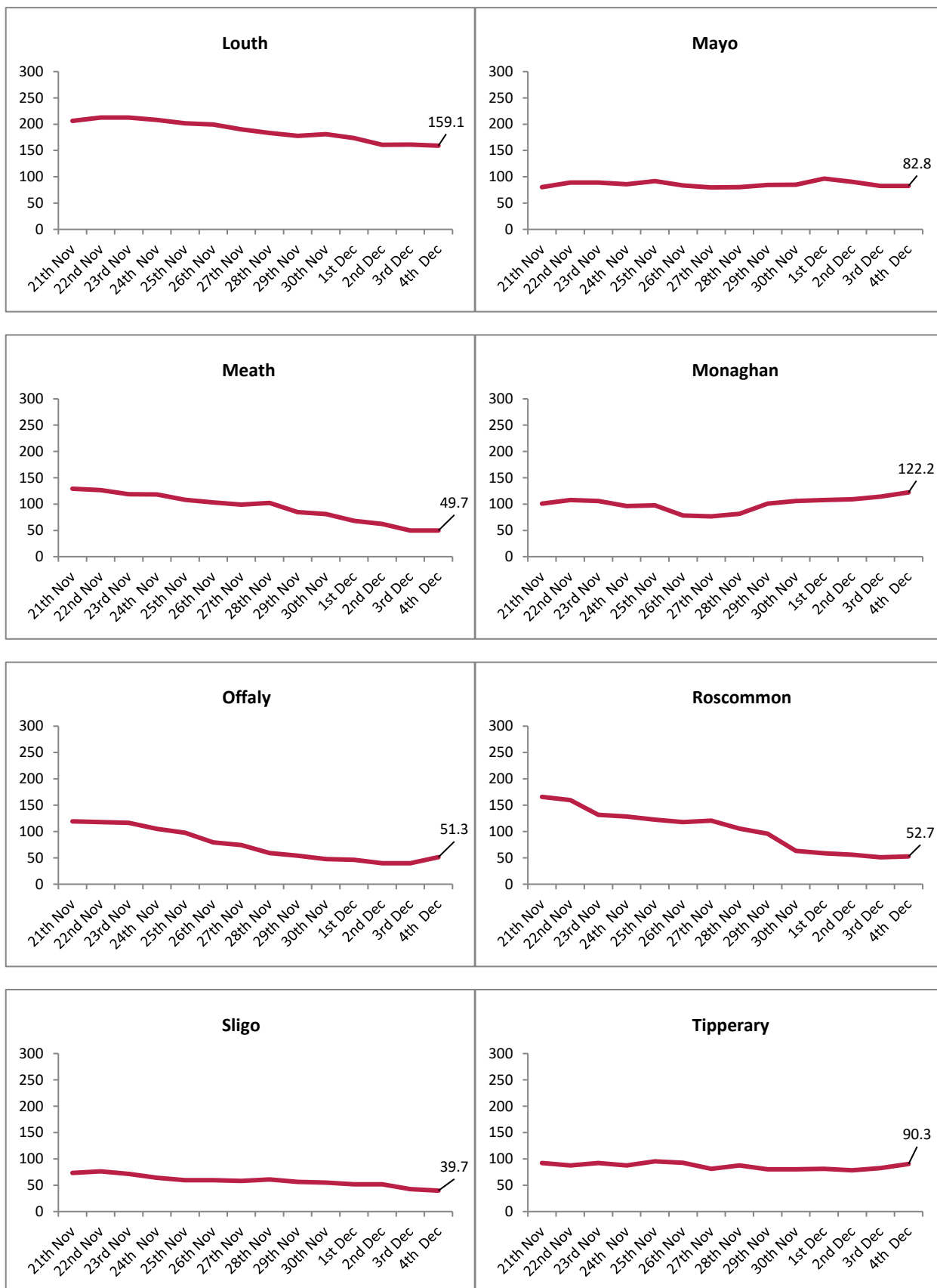




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (21/11/2020 to 04/12/2020)

