



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

Report prepared by HPSC on 10/12/2020

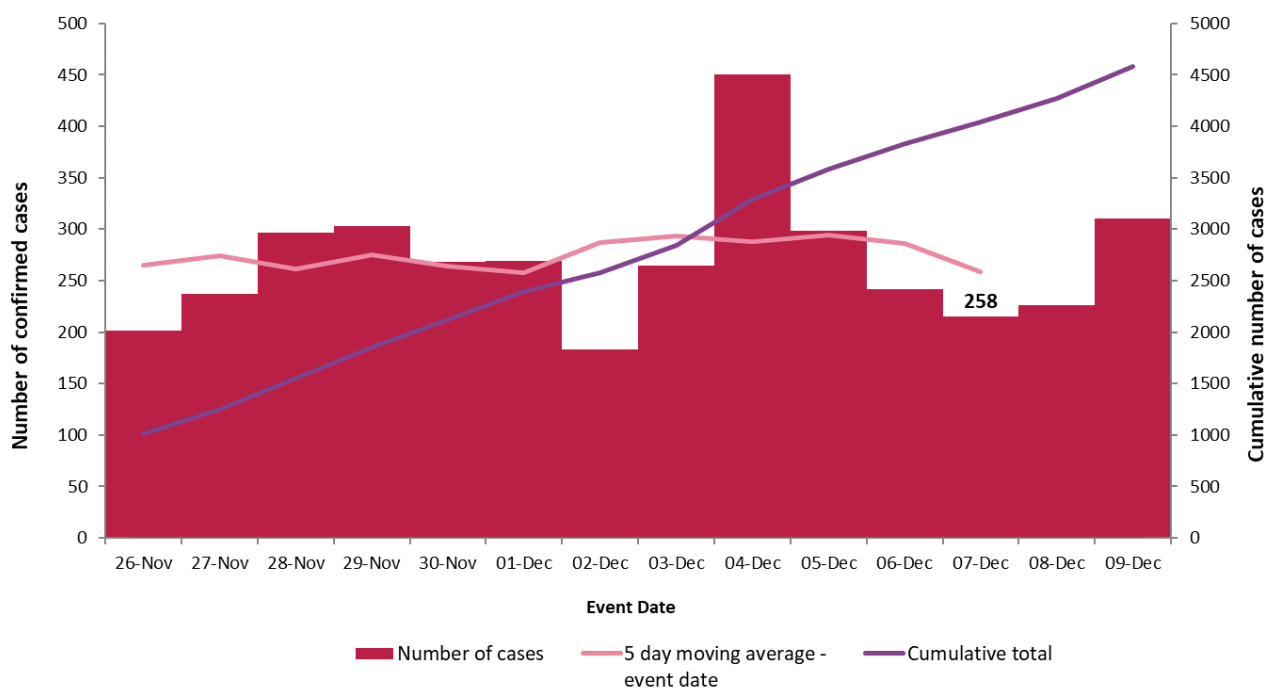
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/11/2020 up to midnight 09/12/2020

	Number	Percent
Total number of confirmed cases	3,764	
National incidence of confirmed cases per 100,000 population	79.04	
Number of cases hospitalised*	218	5.79
Number of cases admitted to ICU*	13	0.35
Number of deaths among confirmed cases	17	0.45
Case fatality ratio (CFR, %)	0.45	
National incidence of confirmed deaths per 100,000 population	0.36	
Number of cases** associated with clusters	1,442	38.31
Number of imported cases	14	0.37
Number of cases in healthcare workers	475	12.62
Males	1,848	49.1
Females	1,907	50.66
M:F ratio	0.97	
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  
26/11/2020 - 09/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:19 on 10/12/2020 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=3,764)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 26/11/2020 up to midnight on 09/12/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>3,764</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.97	
	Male	1,848	49.1
	Female	1,907	50.66
	Unknown	9	0.24
<b>Age</b>	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	180	4.78
	5-12 yrs	382	10.15
	13-18 yrs	296	7.86
	19-24 yrs	377	10.02
	25-34 yrs	583	15.49
	35-44 yrs	588	15.62
	45-54 yrs	518	13.76
	55-64 yrs	354	9.4
	65-74 yrs	206	5.47
	75-84 yrs	156	4.14
	85+ yrs	124	3.29
<b>Underlying clinical conditions</b>	Yes	1,159	30.79
	No	2,131	56.62
	Unknown	474	12.59
<b>Symptom status at time of test*</b>	Yes	2,259	60.02
	No	961	25.53
	Unknown	544	14.45

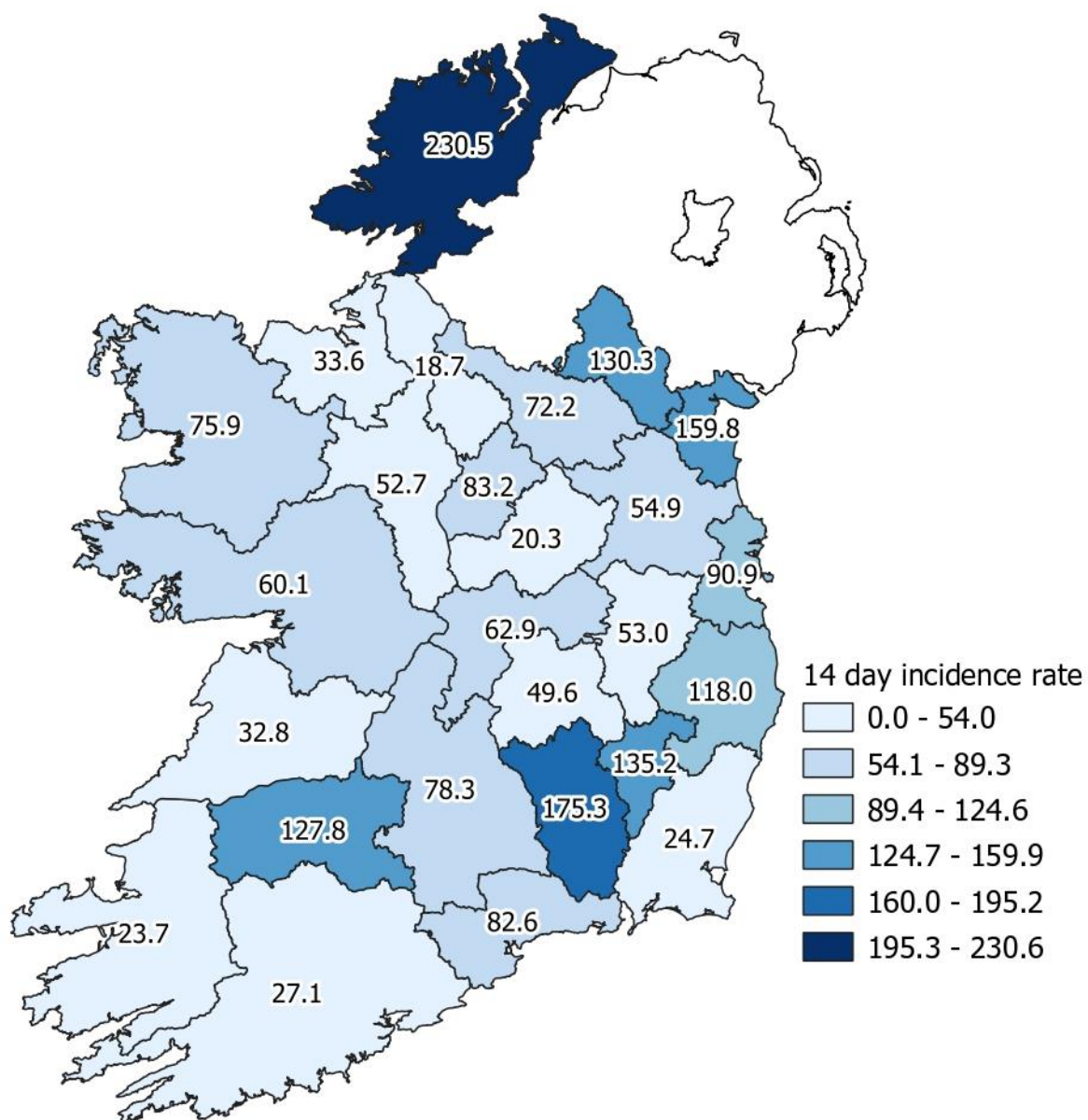
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 26/11/2020 to midnight 09/12/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	530	135.5
CHO2	288	63.6
CHO3	323	83.9
CHO4	182	26.4
CHO5	473	92.7
CHO6	473	123.4
CHO7	451	63.7
CHO8	457	73.8
CHO9	587	94.5
Unknown	0	
<b>Total</b>	<b>3,764</b>	<b>79.0</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 26/11/2020 to midnight 09/12/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	367	230.5
Kilkenny	174	175.3
Louth	206	159.8
Carlow	77	135.2
Monaghan	80	130.3
Limerick	249	127.8
Wicklow	168	118.0
Dublin	1225	90.9
Longford	34	83.2
Waterford	96	82.6
Tipperary	125	78.3
Mayo	99	75.9
Cavan	55	72.2
Offaly	49	62.9
Galway	155	60.1
Meath	107	54.9
Kildare	118	53.0
Roscommon	34	52.7
Laois	42	49.6
Sligo	22	33.6
Clare	39	32.8
Cork	147	27.1
Wexford	37	24.7
Kerry	35	23.7
Westmeath	18	20.3
Leitrim	6	18.7
<b>Total</b>	<b>3,764</b>	<b>79.0</b>



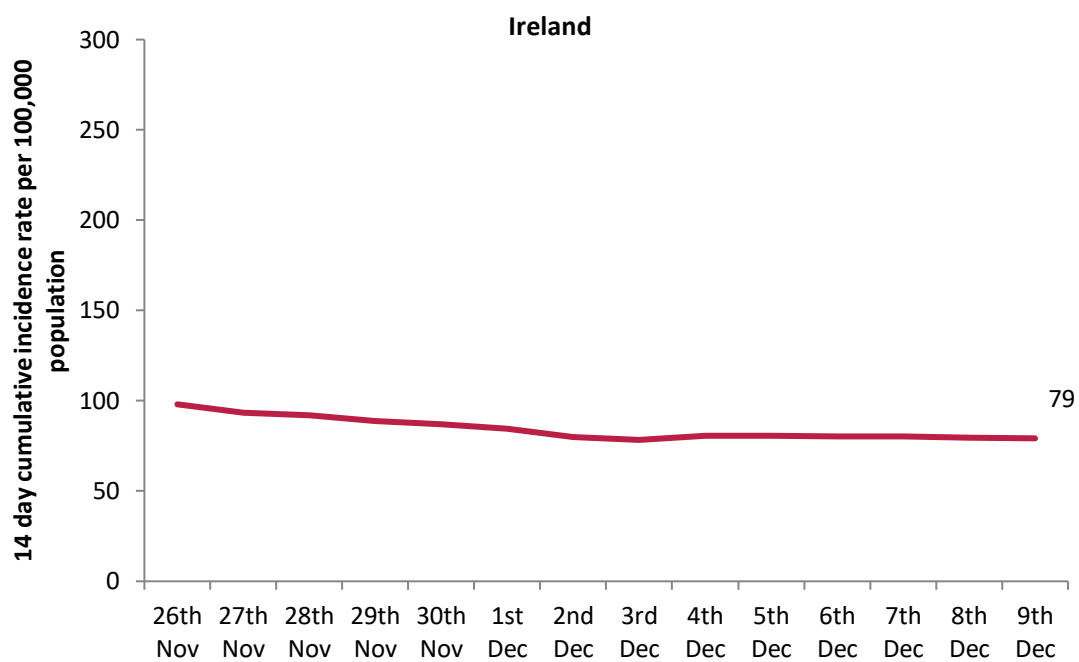
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 26/11/2020 and 09/12/2020**

*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 26/11/2020 and 09/12/2020**

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	107	78.6
CCA2	Dublin South East	200	161.7
CCA3	Dublin South City	98	65.4
CCA4	Dublin South West	115	71.5
CCA5	Dublin West	118	76.0
CCA6	Dublin North West	195	93.9
CCA7	Dublin North Central	195	126.1
CCA8	Dublin North	197	76.0
<b>Dublin</b>		<b>1,225</b>	<b>90.9</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 (26/11/2020 to 09/12/2020)**

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: Number of confirmed COVID-19 cases by most likely transmission source notified from 26/11/2020 to midnight 09/12/2020**

Most likely transmission source	Number of cases	Percent
Travel related	63	1.67%
Close contact with a known confirmed case	1,930	51.28%
Healthcare setting acquired: patient	261	6.93%
Healthcare setting acquired: staff	246	6.54%
Community transmission	722	19.18%
Under investigation	542	14.40%
<b>Total</b>	<b>3,764</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 26/11/2020 to midnight 09/12/2020 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	180	3	1.38	0	0
5-12 yrs	382	4	1.83	0	0
13-18 yrs	296	4	1.83	0	0
19-24 yrs	377	5	2.29	0	0
25-34 yrs	583	18	8.26	1	7.69
35-44 yrs	588	12	5.50	4	30.77
45-54 yrs	518	20	9.17	2	15.38
55-64 yrs	354	28	12.84	2	15.38
65-74 yrs	206	49	22.48	1	7.69
75-84 yrs	156	46	21.10	3	23.08
85+ yrs	124	29	13.30	0	0
<b>Total</b>	<b>3,764</b>	<b>218</b>	<b>100</b>	<b>13</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 day

## **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 09:19 on 10/12/2020. 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.

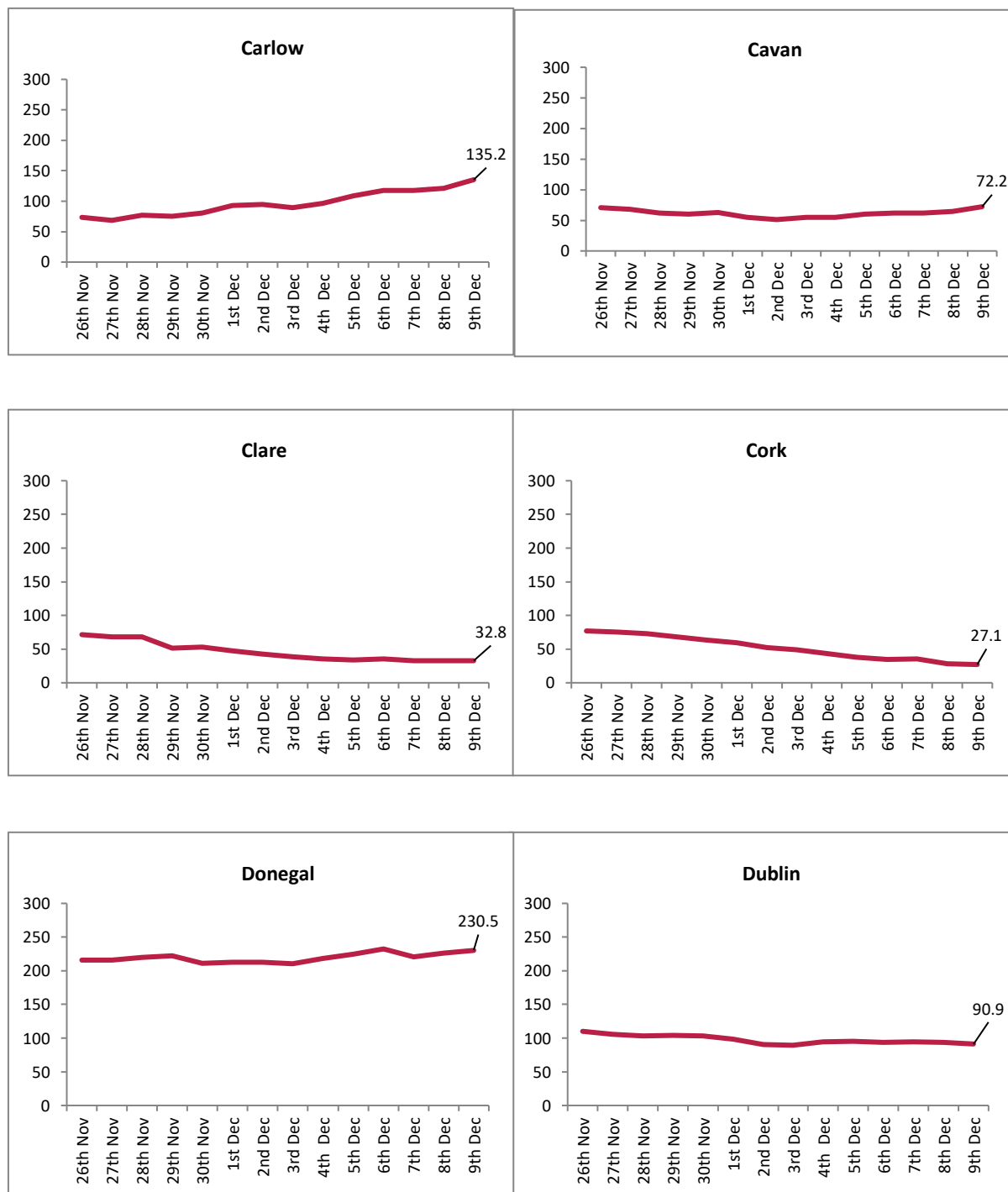
### 5. Outbreak location

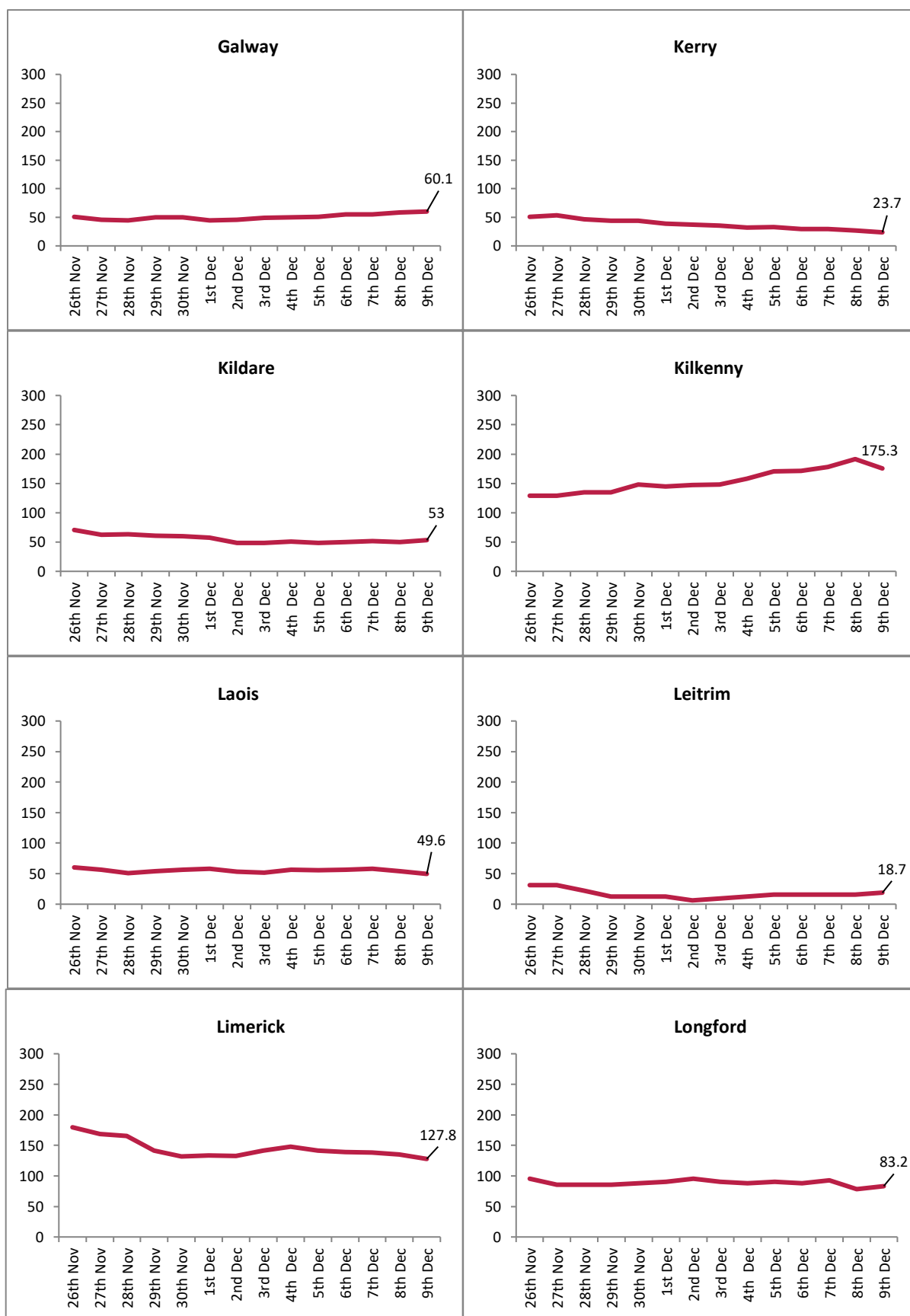
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

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

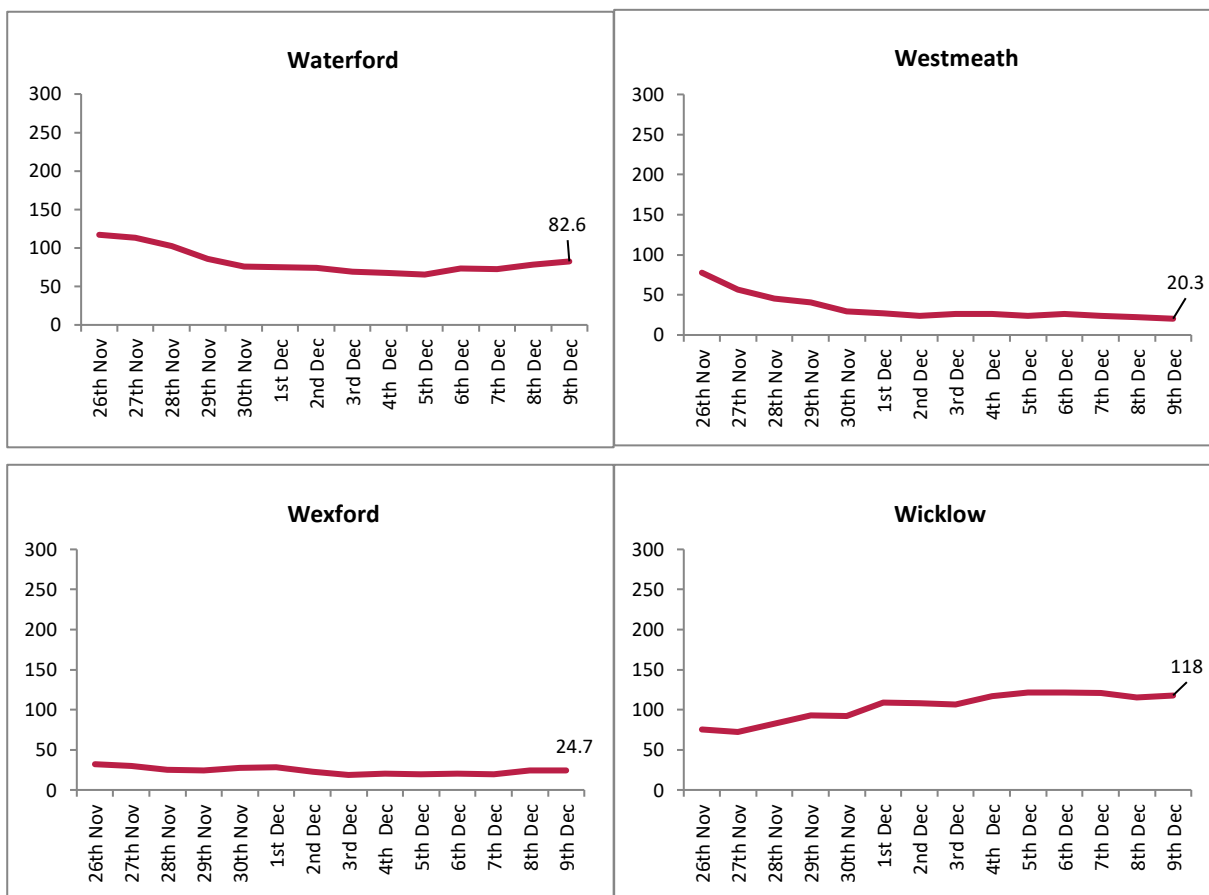
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (26/11/2020 to 09/12/2020)

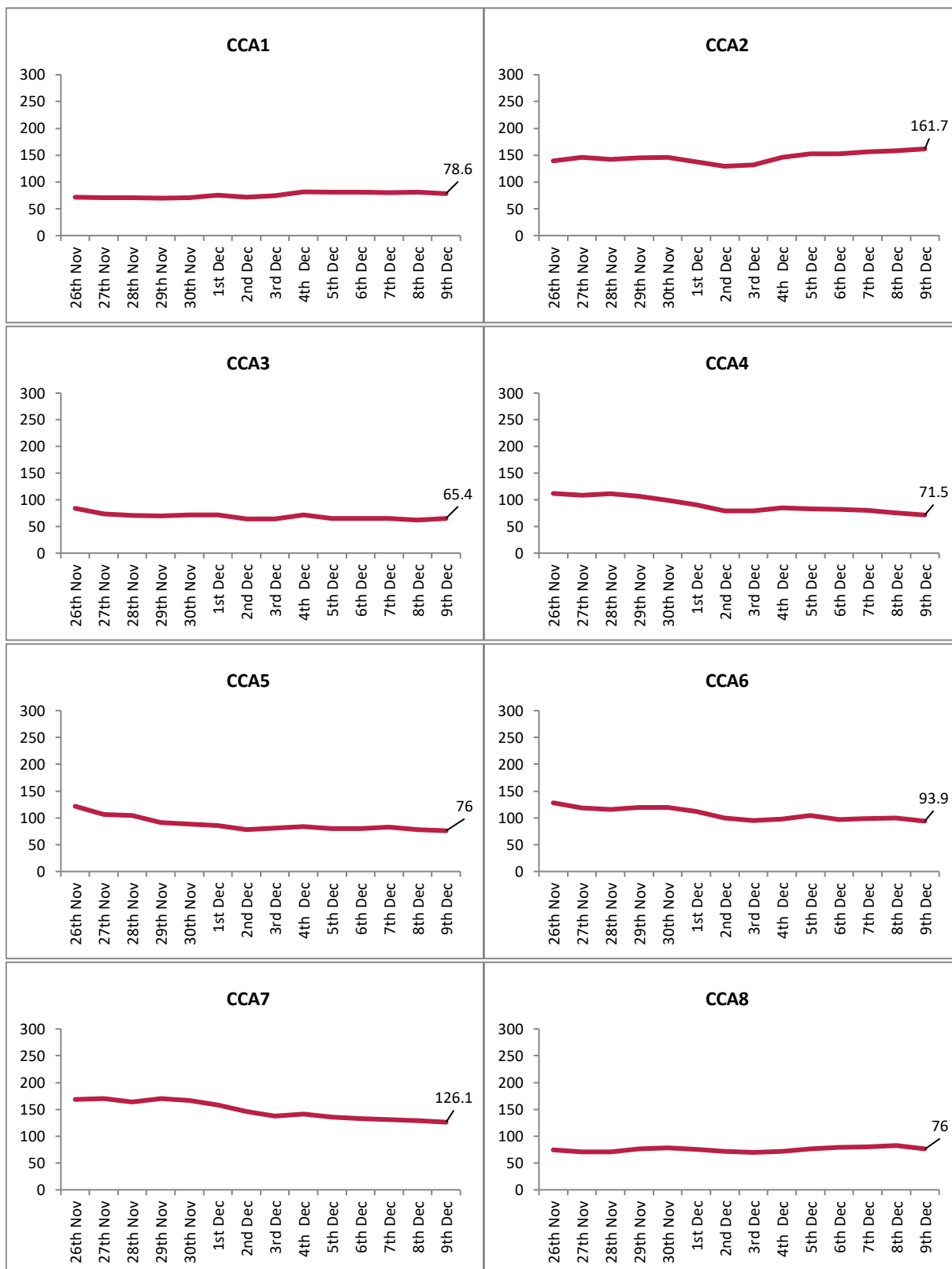








**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (26/11/2020 to 09/12/2020)**



Report prepared by Health Protection Surveillance Centre on 10/12/2020