



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

Report prepared by HPSC on 14/12/2020

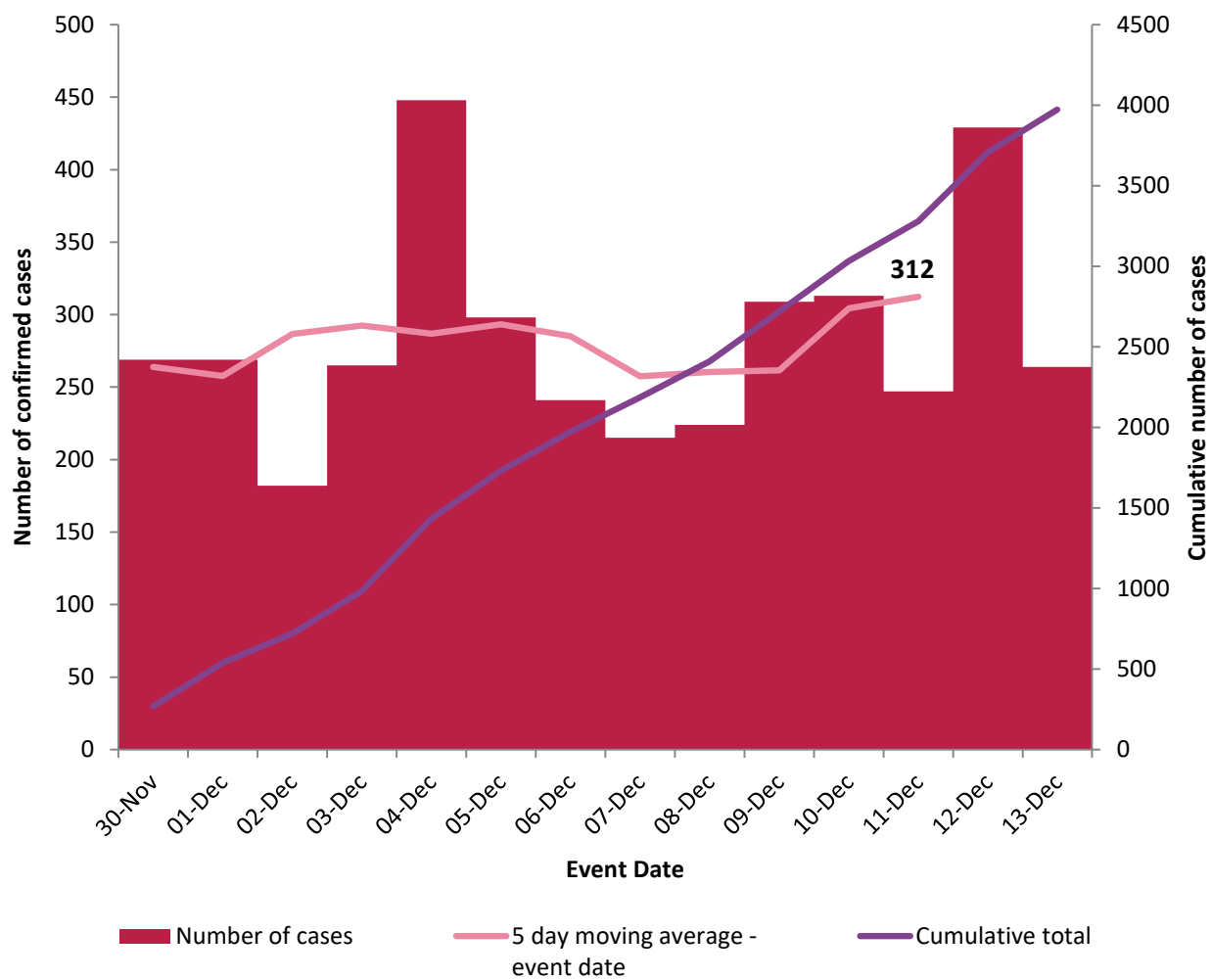
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 30/11/2020 up to midnight 13/12/2020

	Number	Percent
Total number of confirmed cases	3,973	
National incidence of confirmed cases per 100,000 population	83.43	
Number of cases hospitalised*	212	5.34
Number of cases admitted to ICU*	11	0.28
Number of deaths among confirmed cases	13	0.33
Case fatality ratio (CFR, %)	0.33	
National incidence of confirmed deaths per 100,000 population	0.27	
Number of cases** associated with clusters	1,378	34.68
Number of imported cases	20	0.5
Number of cases in healthcare workers	478	12.03
Males	1,897	47.75
Females	2,066	52
M:F ratio	0.92	
Median age (years)	36	
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  
30/11/2020 - 13/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:25 on 14/12/2020 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=3,973)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 30/11/2020 up to midnight on 13/12/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>3,973</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.92	
	Male	1,897	47.75
	Female	2,066	52
	Unknown	10	0.25
<b>Age</b>	Median age (years)	36	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	170	4.28
	5-12 yrs	420	10.57
	13-18 yrs	313	7.88
	19-24 yrs	375	9.44
	25-34 yrs	645	16.23
	35-44 yrs	608	15.3
	45-54 yrs	577	14.52
	55-64 yrs	369	9.29
	65-74 yrs	206	5.18
	75-84 yrs	162	4.08
	85+ yrs	128	3.22
<b>Underlying clinical conditions</b>	Yes	1,188	29.9
	No	2,242	56.43
	Unknown	543	13.67
<b>Symptom status at time of test*</b>	Yes	2,392	60.21
	No	959	24.14
	Unknown	622	15.66

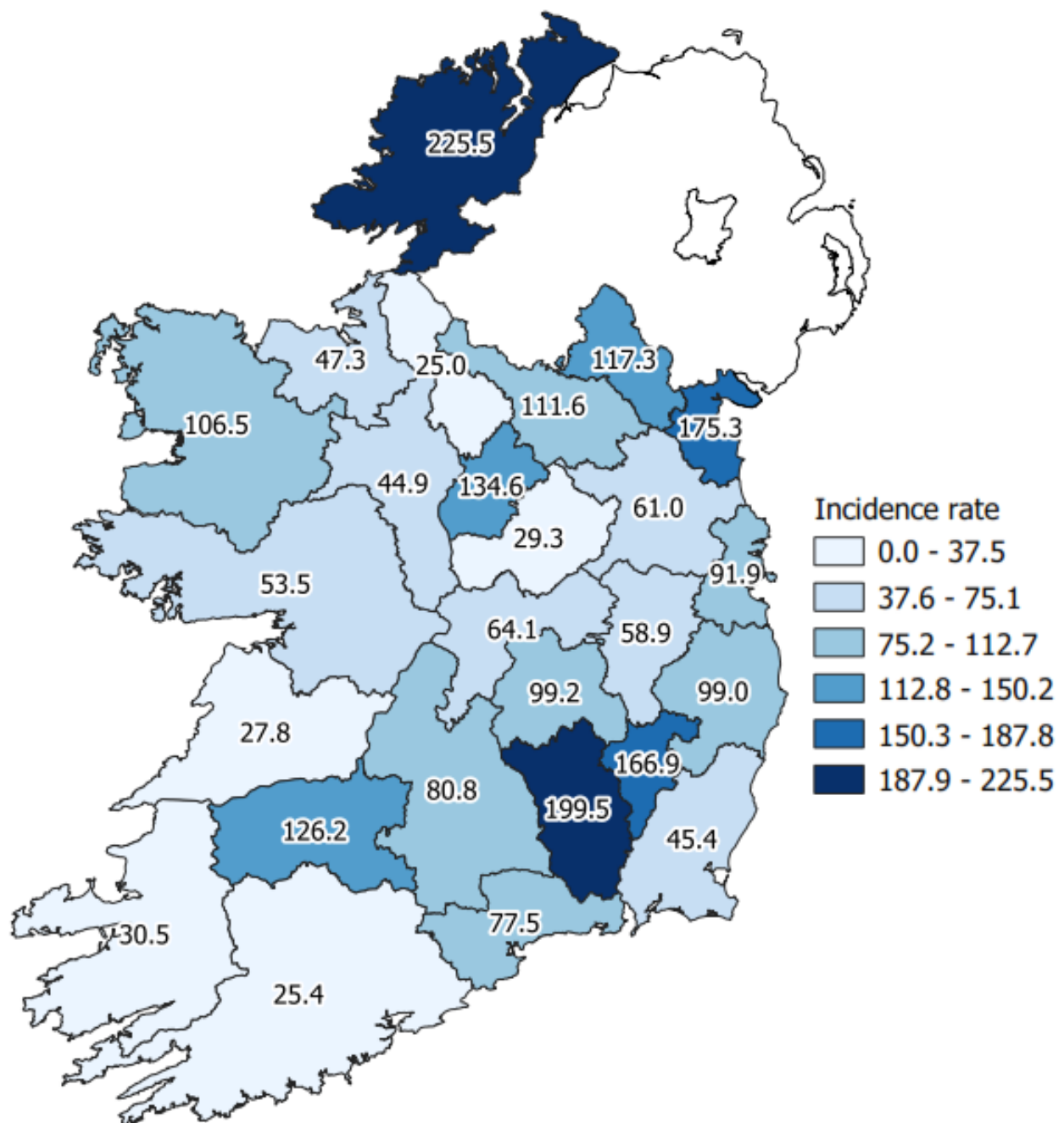
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 30/11/2020 to midnight 13/12/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	555	141.8
CHO2	306	67.5
CHO3	319	82.9
CHO4	183	26.5
CHO5	540	105.8
CHO6	434	113.3
CHO7	453	64.0
CHO8	560	90.4
CHO9	623	100.3
Unknown	0	
<b>Total</b>	<b>3,973</b>	<b>83.4</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 30/11/2020 to midnight 13/12/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	359	225.5
Kilkenny	198	199.5
Louth	226	175.4
Carlow	95	166.9
Longford	55	134.6
Limerick	246	126.2
Monaghan	72	117.3
Cavan	85	111.6
Mayo	139	106.5
Laois	84	99.2
Wicklow	141	99.0
Dublin	1238	91.9
Tipperary	129	80.9
Waterford	90	77.5
Offaly	50	64.1
Meath	119	61.0
Kildare	131	58.9
Galway	138	53.5
Sligo	31	47.3
Wexford	68	45.4
Roscommon	29	44.9
Kerry	45	30.5
Westmeath	26	29.3
Clare	33	27.8
Cork	138	25.4
Leitrim	8	25.0
<b>Total</b>	<b>3,973</b>	<b>83.4</b>



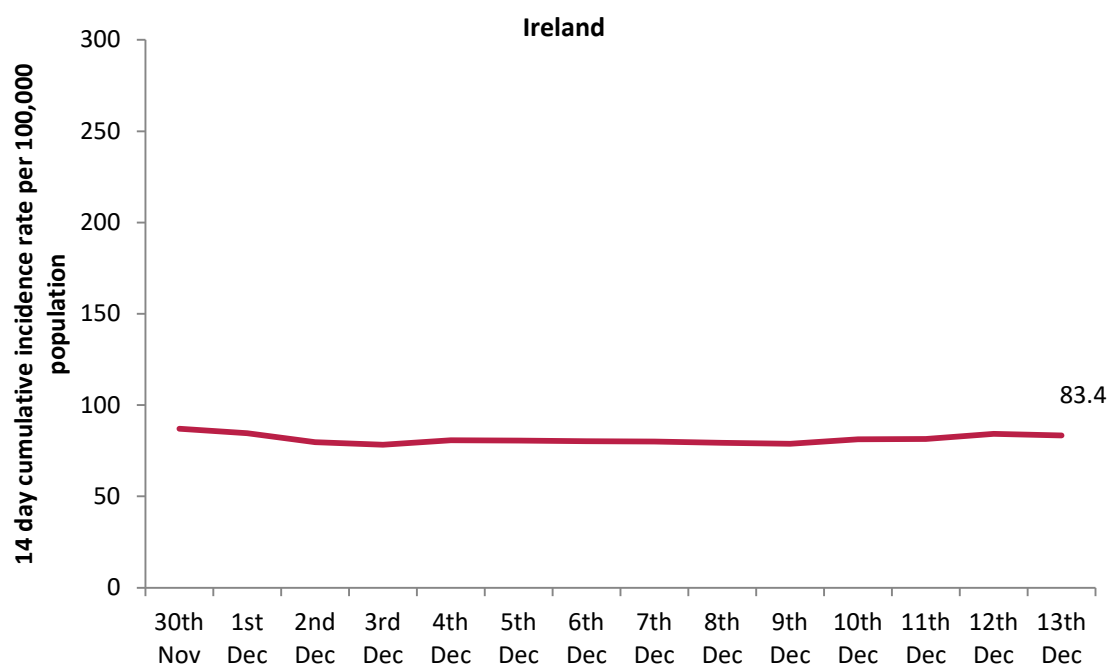
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 30/11/2020 and 13/12/2020**

*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 30/11/2020 and 13/12/2020**

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	94	69.1
CCA2	Dublin South East	201	162.5
CCA3	Dublin South City	95	63.4
CCA4	Dublin South West	98	60.9
CCA5	Dublin West	127	81.8
CCA6	Dublin North West	196	94.4
CCA7	Dublin North Central	199	128.7
CCA8	Dublin North	228	88.0
<b>Dublin</b>		<b>1238</b>	<b>91.9</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 (30/11/2020 to 13/12/2020)**

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 30/11/2020 to midnight 13/12/2020**

Most likely transmission source	Number of cases	Percent
Travel related *	95	2.39%
Close contact with a known confirmed case	1,963	49.41%
Healthcare setting acquired: patient	248	6.24%
Healthcare setting acquired: staff	225	5.66%
Community transmission	778	19.58%
Under investigation	664	16.71%
<b>Total</b>	<b>3,973</b>	<b>100%</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 30/11/2020 to midnight 13/12/2020 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	170	3	1.42	0	0
5-12 yrs	420	2	0.94	0	0
13-18 yrs	313	7	3.30	0	0
19-24 yrs	375	4	1.89	0	0
25-34 yrs	645	19	8.96	1	9.09
35-44 yrs	608	8	3.77	2	18.18
45-54 yrs	577	21	9.91	2	18.18
55-64 yrs	369	29	13.68	1	9.09
65-74 yrs	206	47	22.17	1	9.09
75-84 yrs	162	39	18.40	4	36.36
85+ yrs	128	33	15.57	0	0
<b>Total</b>	<b>3,973</b>	<b>212</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 09:25 on 14/12/2020. 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.

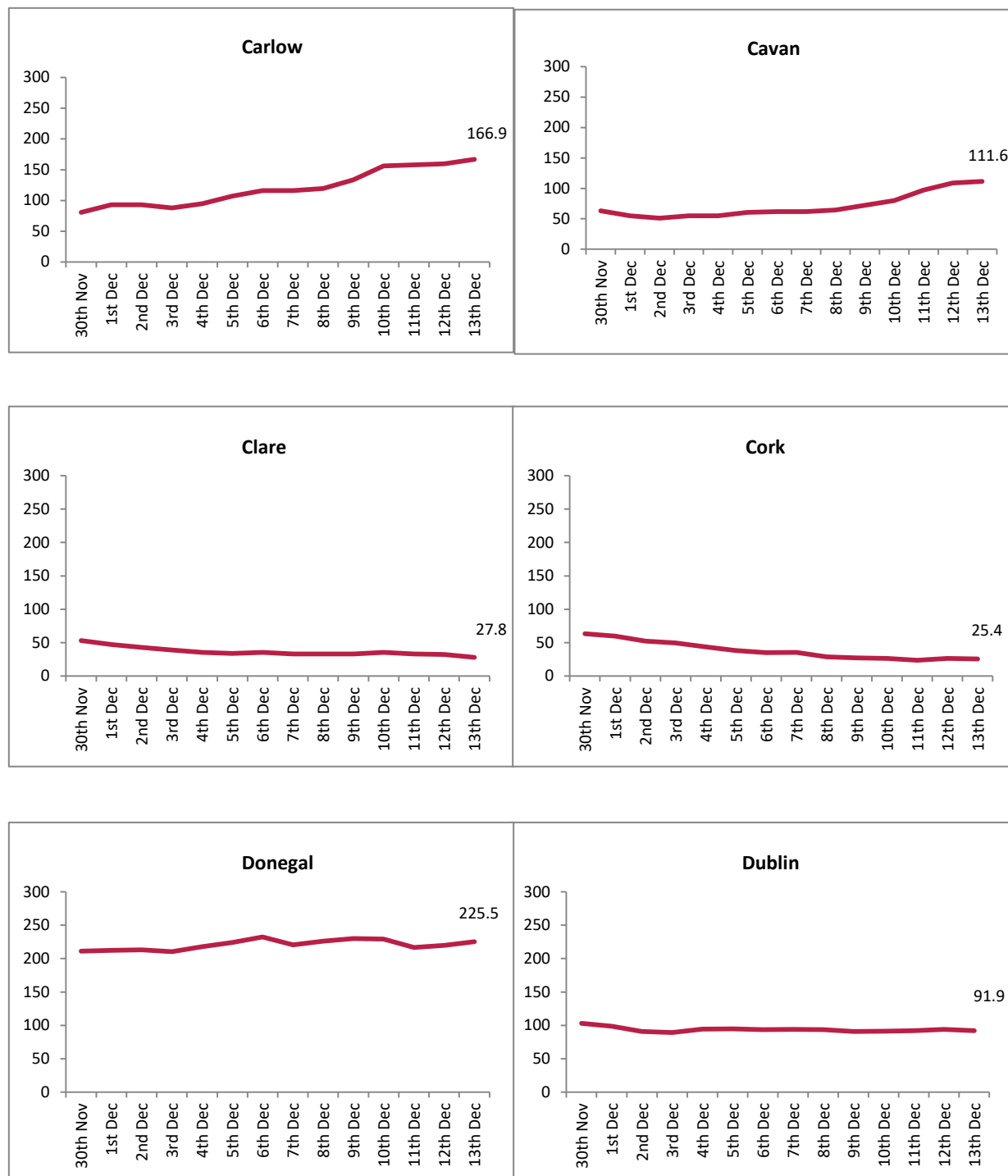
### 5. Outbreak location

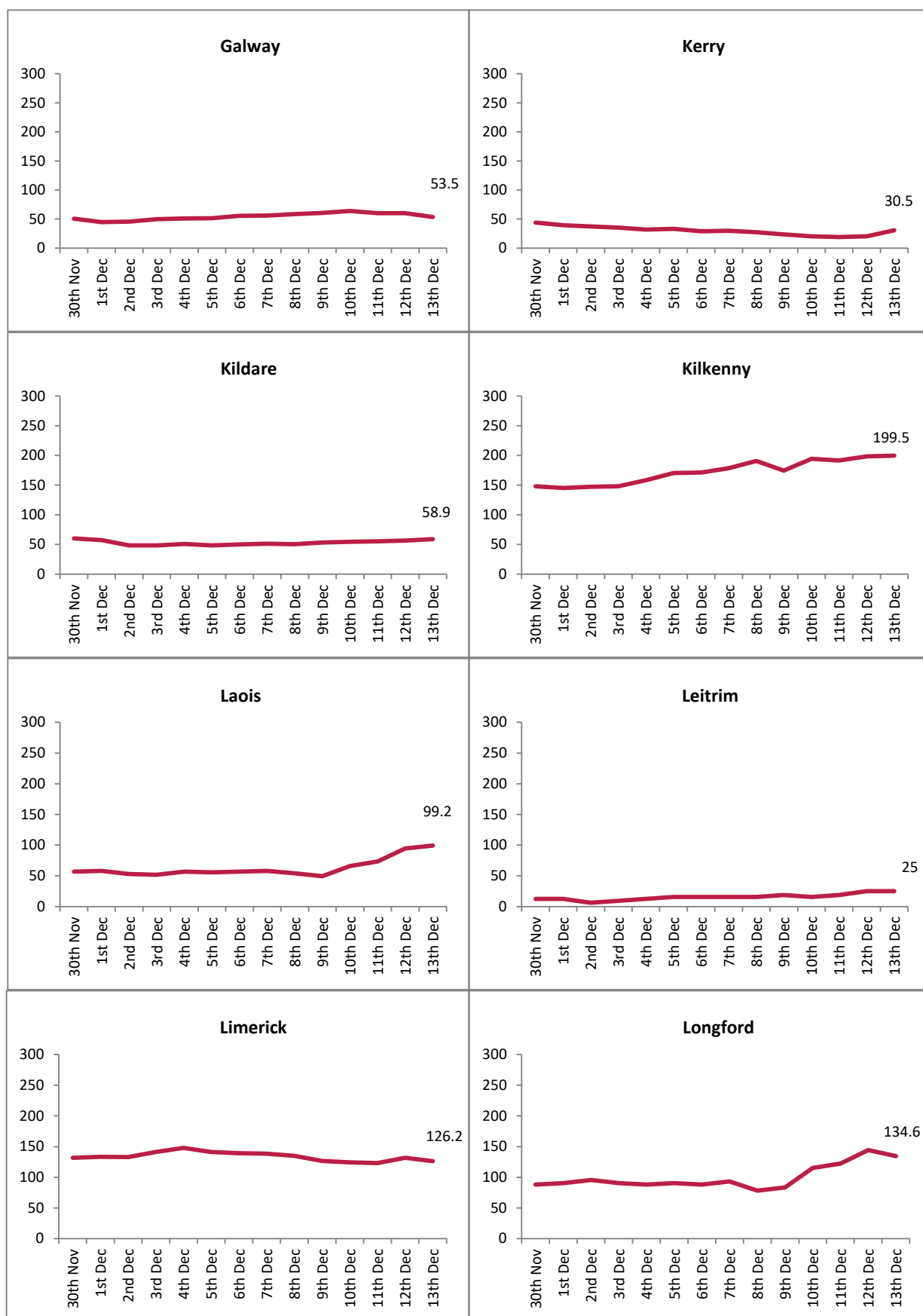
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

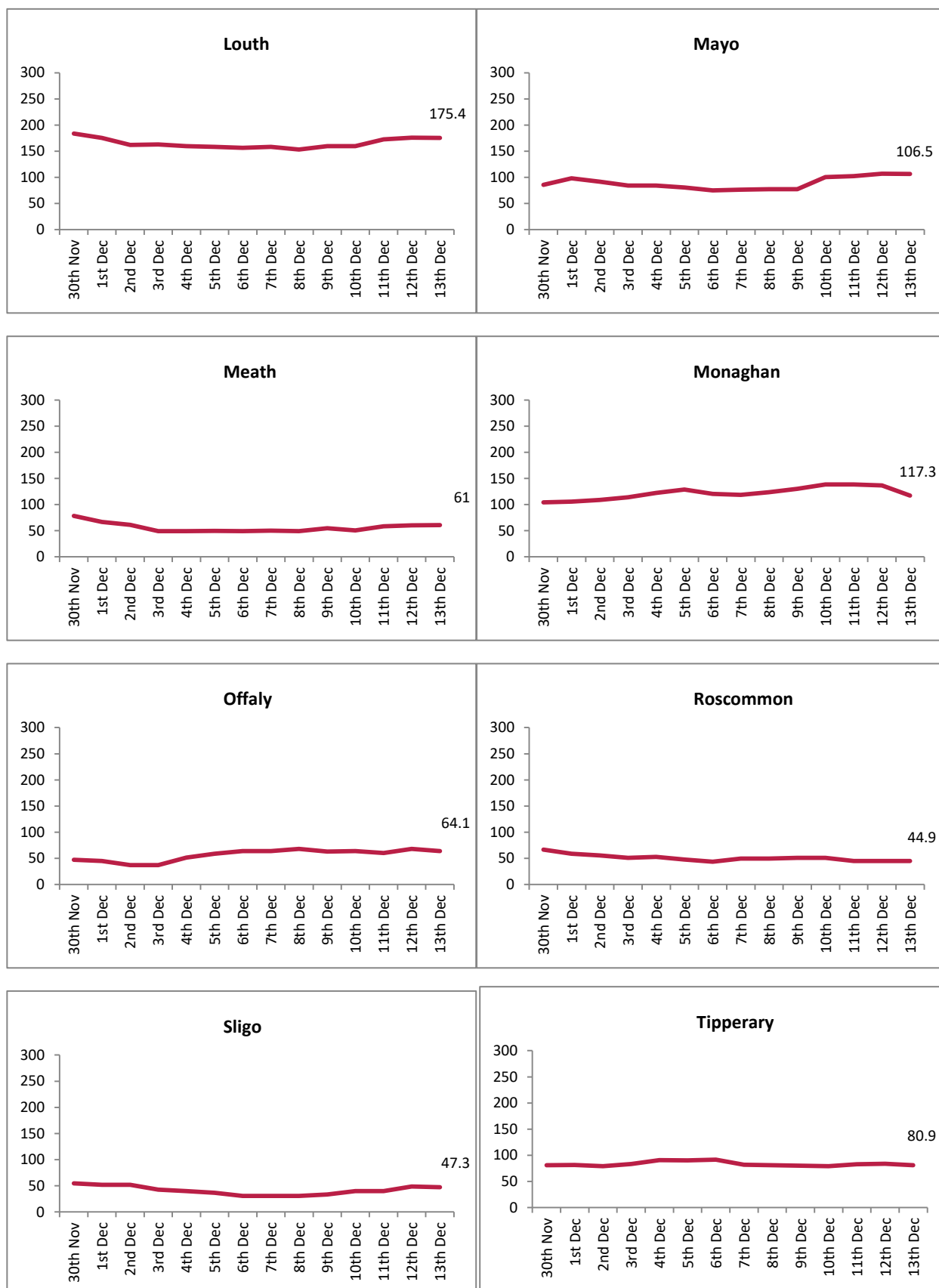
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

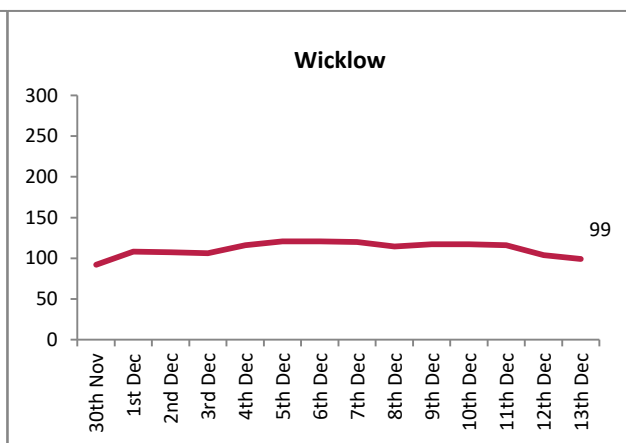
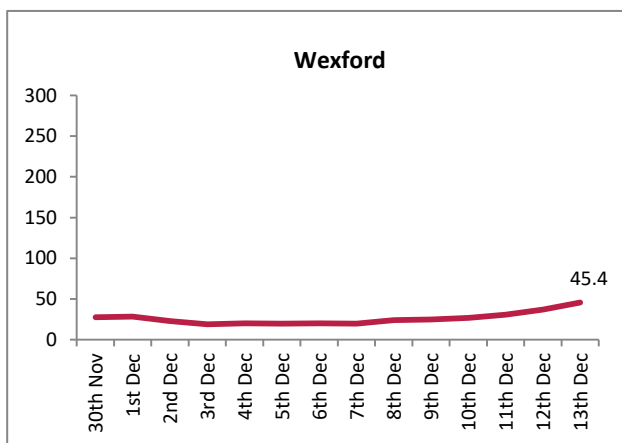
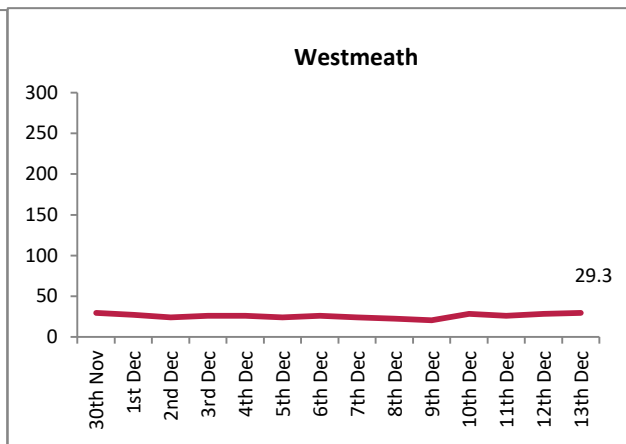
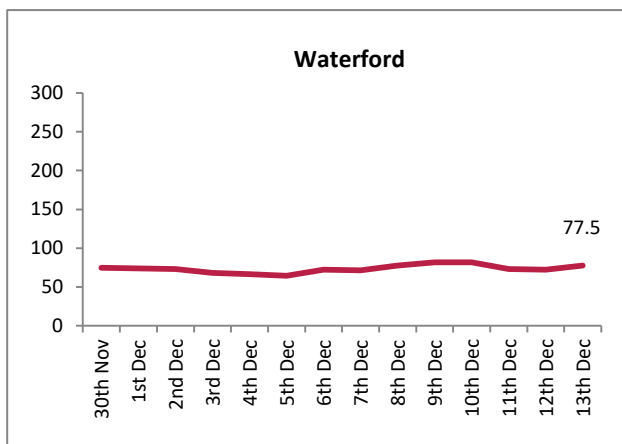
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (30/11/2020 to 13/12/2020)









**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (30/11/2020 to 13/12/2020)**

