Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 08/12/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 24/11/2020 up to midnight 07/12/2020

	Number	Percent
Total number of confirmed cases	3,818	
National incidence of confirmed cases per 100,000 population	80.18	
Number of cases hospitalised*	217	5.68
Number of cases admitted to ICU*	8	0.21
Number of deaths among confirmed cases	11	0.29
Case fatality ratio (CFR, %)	0.29	
National incidence of confirmed deaths per 100,000 population	0.23	
Number of cases** associated with clusters	1,327	34.76
Number of imported cases	9	0.24
Number of cases in healthcare workers	476	12.47
% HCW where HCW status known	14.46	
Males	1,867	48.9
Females	1,940	50.81
M:F ratio	0.96	
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 24/11/2020 - 07/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:02 on 08/12/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

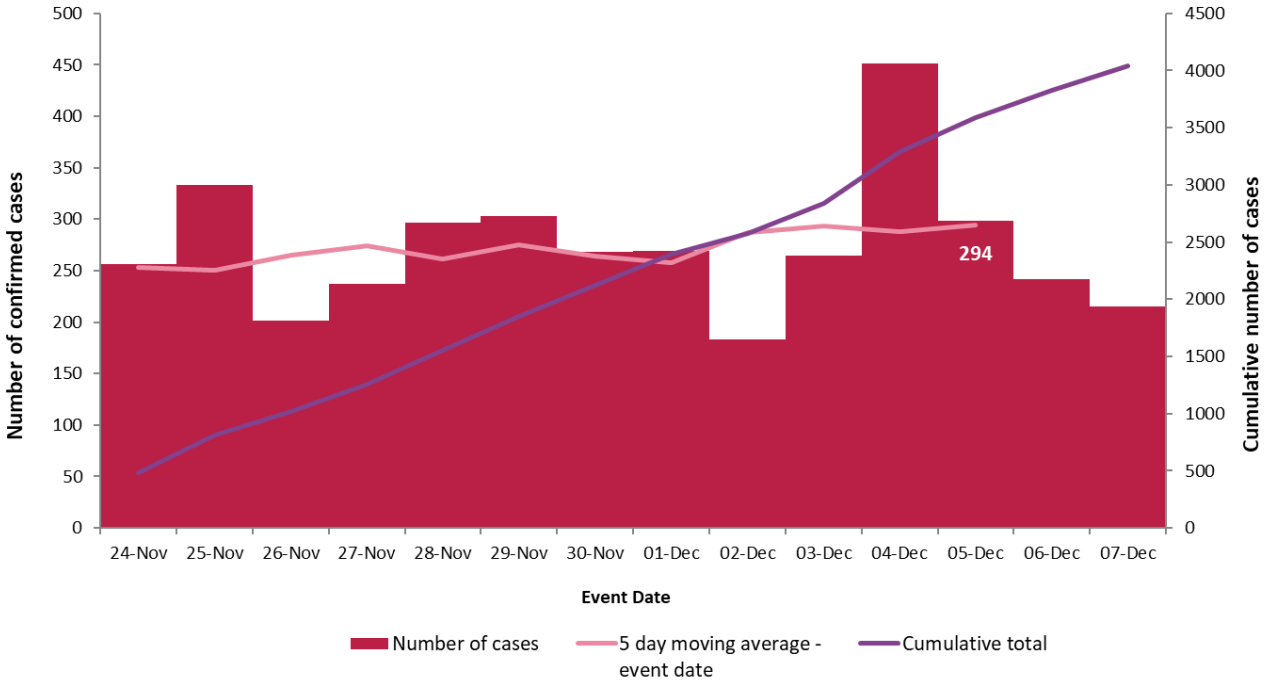


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,818)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 24/11/2020 up to midnight on 07/12/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		**3,818**	**100**
Sex	Male:Female ratio	0.96	
	Male	1,867	48.9
	Female	1,940	50.81
	Unknown	11	0.29
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	178	4.66
	5-12 yrs	380	9.95
	13-18 yrs	310	8.12
	19-24 yrs	406	10.63
	25-34 yrs	589	15.43
	35-44 yrs	586	15.35
	45-54 yrs	527	13.8
	55-64 yrs	342	8.96
	65-74 yrs	208	5.45
	75-84 yrs	161	4.22
	85+ yrs	130	3.4
	Unknown	1	0.03
Underlying clinical conditions	Yes	1,162	30.43
	No	2,157	56.5
	Unknown	499	13.07
Symptom status at time of test*	Yes	2,257	59.11
	No	985	25.8
	Unknown	576	15.09

*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 24/11/2020 to midnight 07/12/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	496	126.8
CHO2	273	60.3
CHO3	341	88.6
CHO4	235	34.0
CHO5	454	89.0
CHO6	478	124.7
CHO7	464	65.6
CHO8	462	74.6
CHO9	615	99.0
Unknown	0	
Total	**3,818**	**80.2**

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 24/11/2020 to midnight 07/12/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	351	220.5
Kilkenny	177	178.4
Louth	204	158.3
Limerick	270	138.5
Monaghan	73	118.9
Wicklow	168	118.0
Carlow	67	117.7
Dublin	1275	94.6
Longford	37	90.5
Tipperary	130	81.5
Mayo	98	75.1
Waterford	84	72.3
Offaly	51	65.4
Cavan	47	61.7
Laois	48	56.7
Galway	143	55.4
Kildare	114	51.2
Meath	99	50.8
Roscommon	32	49.6
Cork	191	35.2
Clare	39	32.8
Sligo	20	30.5
Kerry	44	29.8
Westmeath	22	24.8
Wexford	29	19.4
Leitrim	5	15.6
Total	**3,818**	**80.2**

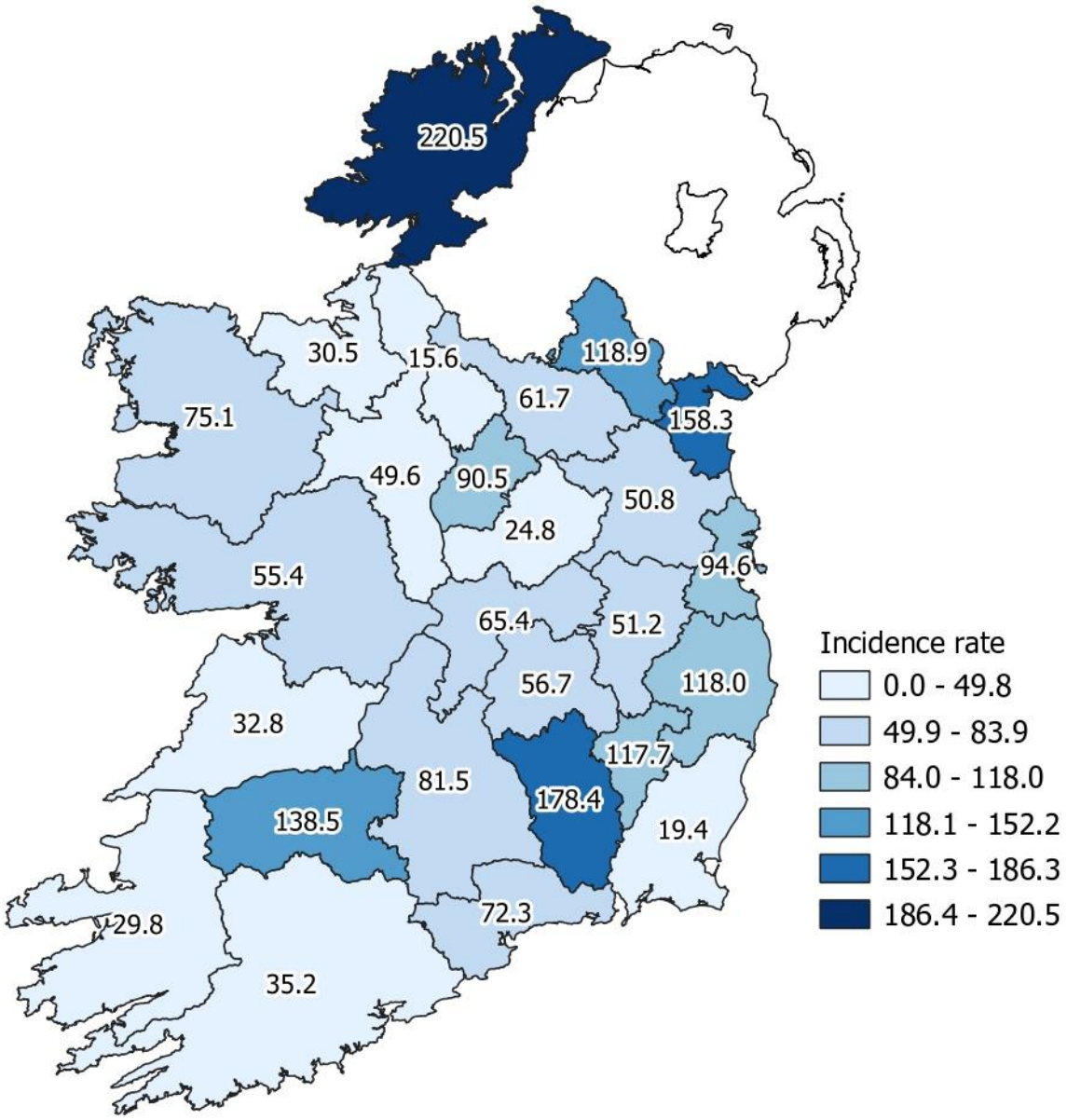


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 24/11/2020 and 07/12/2020

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 24/11/2020 and 07/12/2020

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	111	81.6
CCA2	Dublin South East	201	162.5
CCA3	Dublin South City	97	64.7
CCA4	Dublin South West	125	77.7
CCA5	Dublin West	126	81.1
CCA6	Dublin North West	202	97.3
CCA7	Dublin North Central	207	133.9
CCA8	Dublin North	206	79.5
	Dublin	**1,275**	**94.6**

Note: Local health offices (LHOs) came into operation on 1st 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.

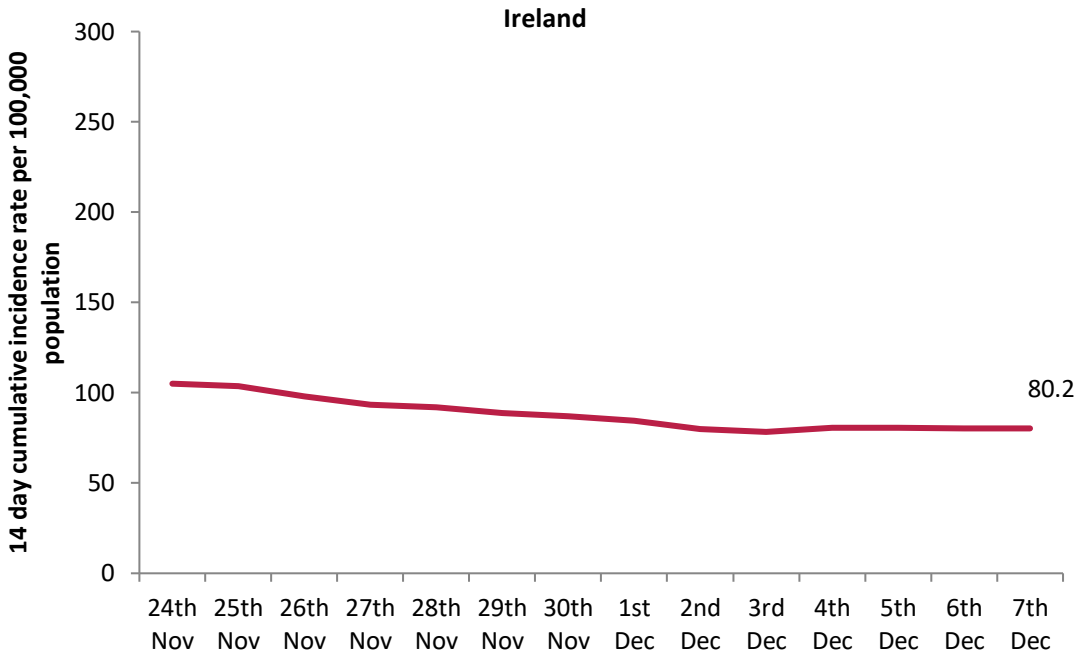


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (24/11/2020 to 07/12/2020)

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 24/11/2020 to midnight 07/12/2020 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	178	2	0.92	0	0
5-12 yrs	380	2	0.92	0	0
13-18 yrs	310	2	0.92	0	0
19-24 yrs	406	5	2.3	0	0
25-34 yrs	589	20	9.22	0	0
35-44 yrs	586	12	5.53	2	25
45-54 yrs	527	19	8.76	1	12.5
55-64 yrs	342	26	11.98	2	25
65-74 yrs	208	45	20.74	1	12.5
75-84 yrs	161	49	22.58	2	25
85+ yrs	130	35	16.13	0	0
Unknown	1			0	0
Total	**3,818**	**217**	**100**	**8**	**100**

* 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 10:01 on 08/12/2020. 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 ≥ 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.

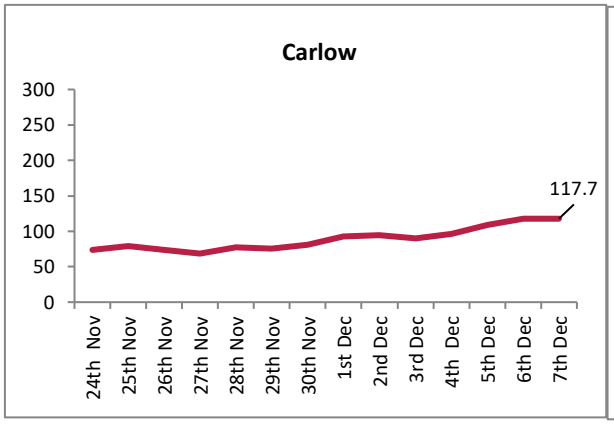
5. Outbreak location

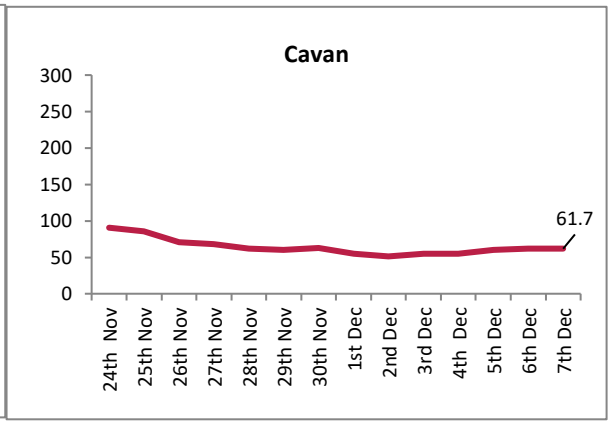
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

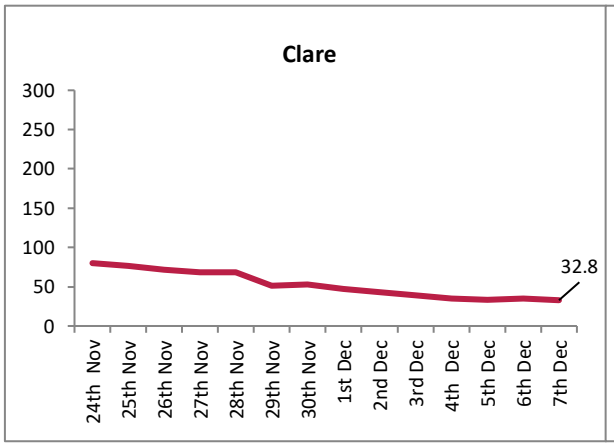
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

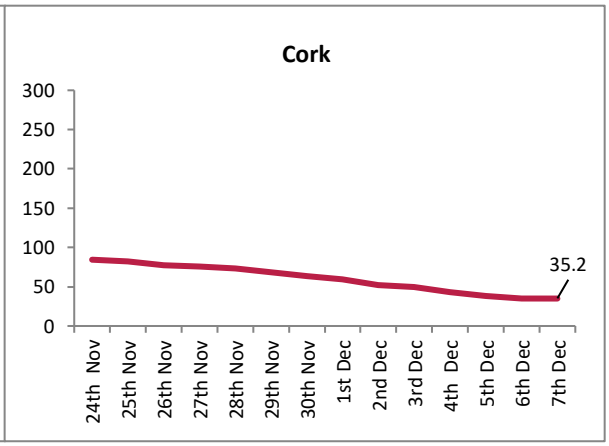
Appendix 1

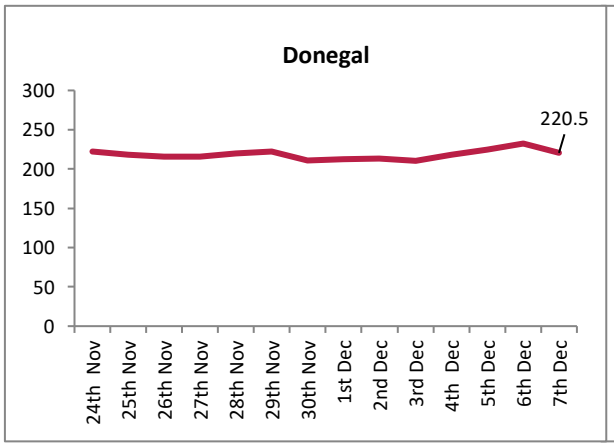
Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (24/11/2020 to 07/12/2020)

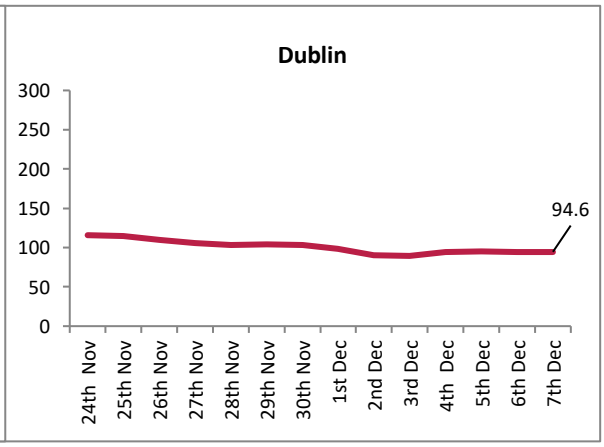


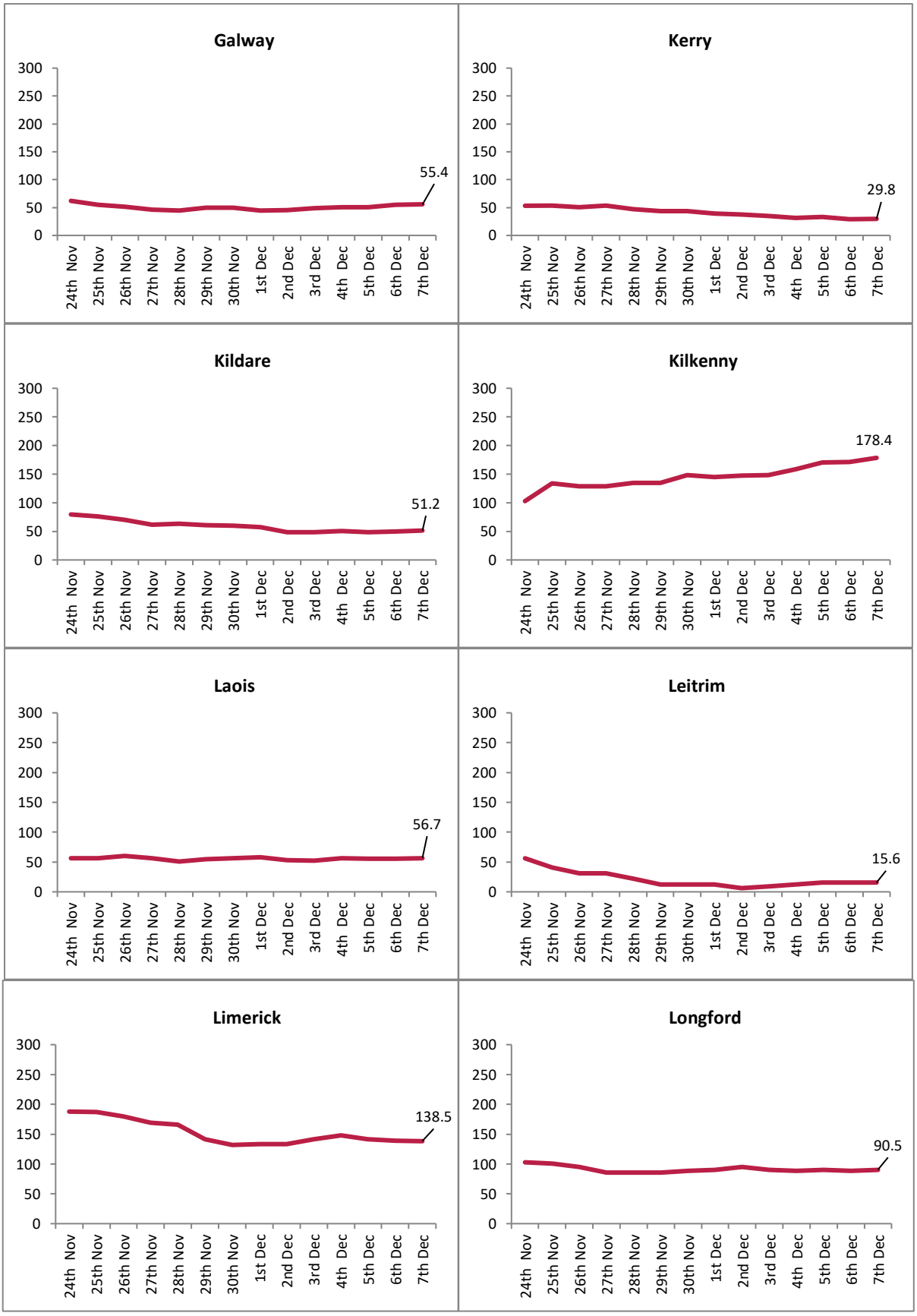












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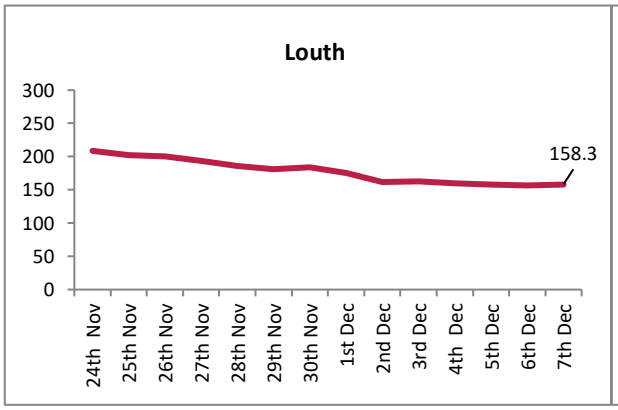
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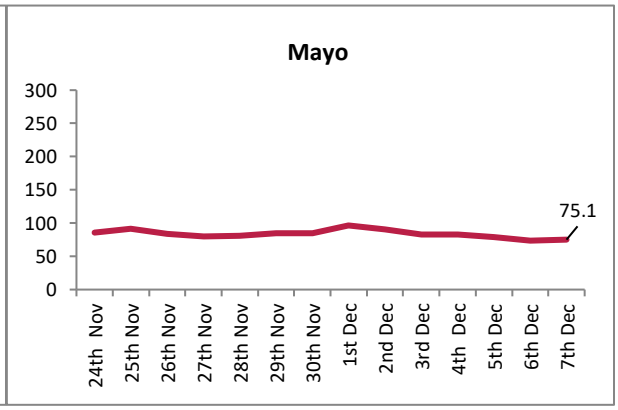
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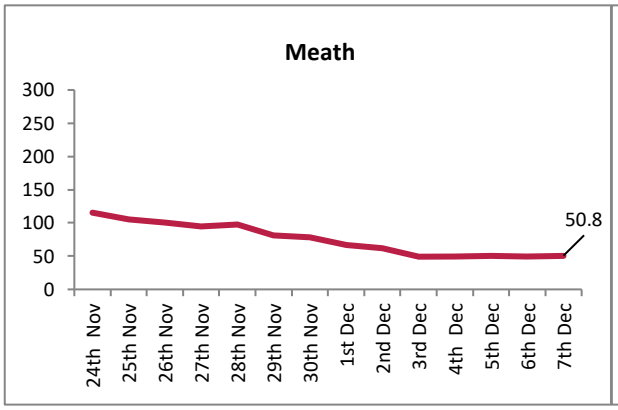
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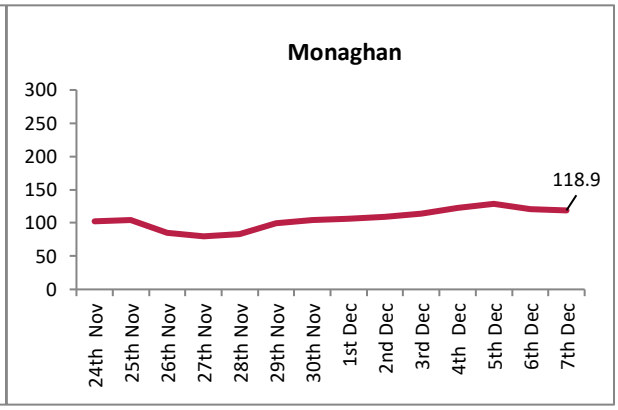
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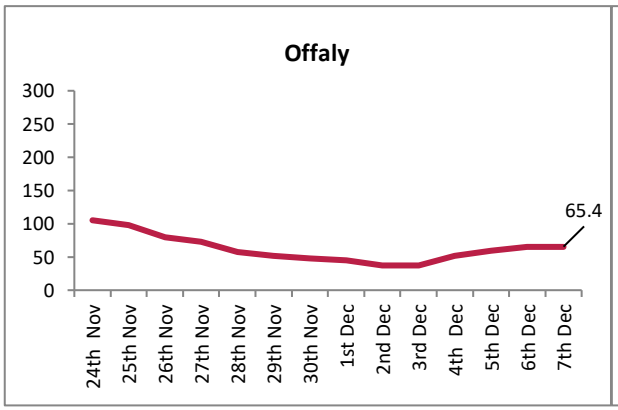
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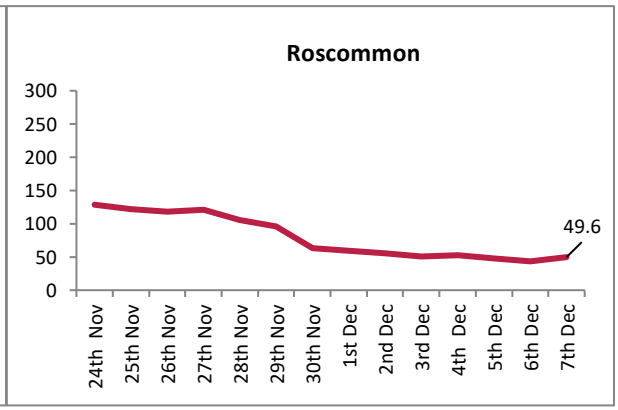
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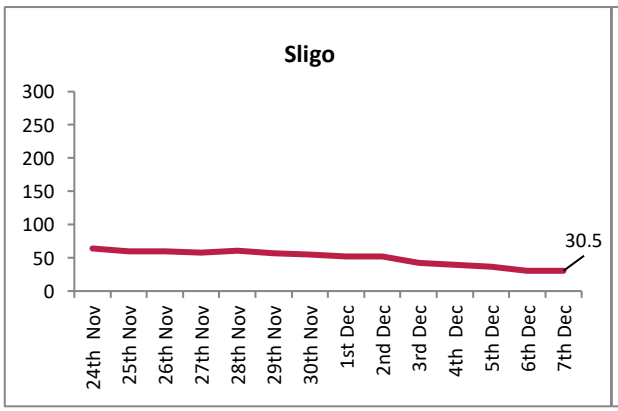
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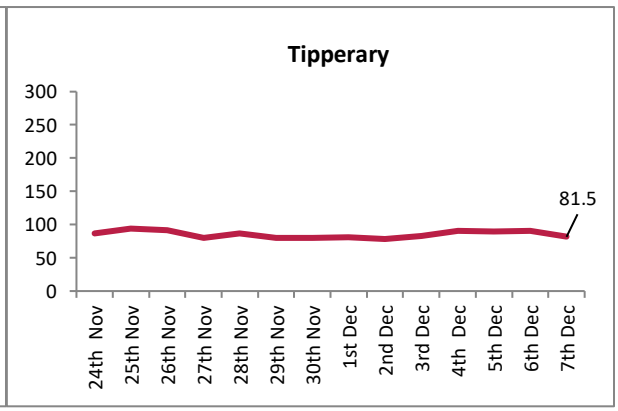
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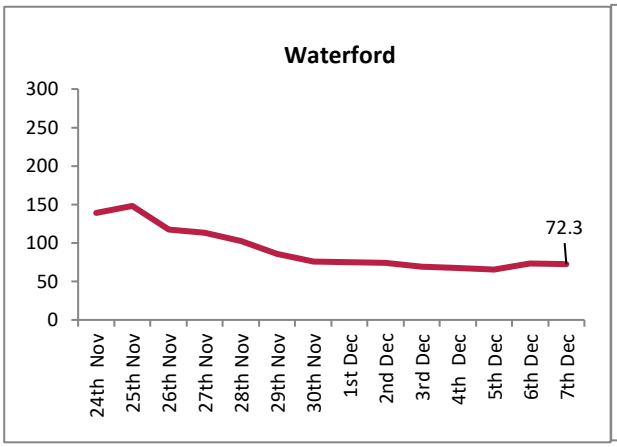
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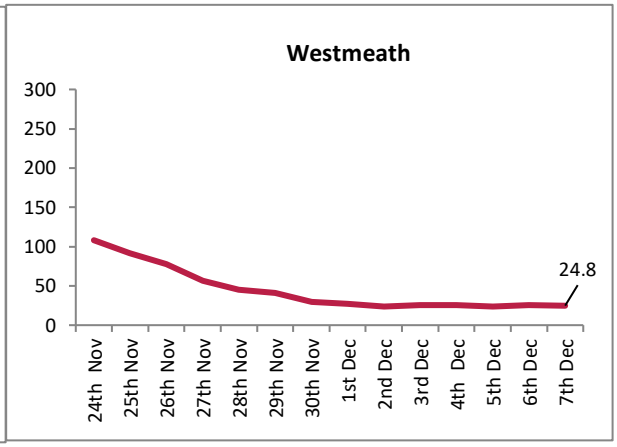
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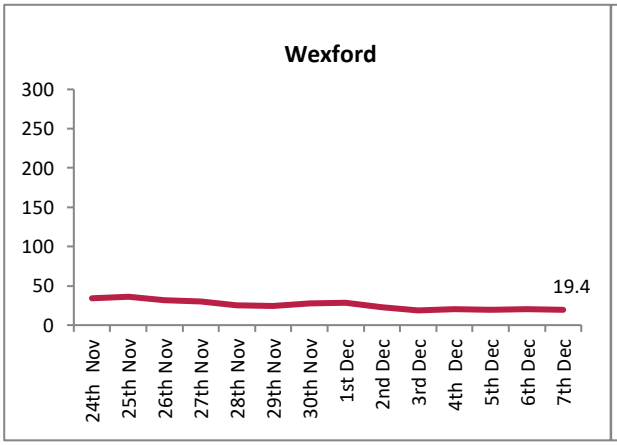
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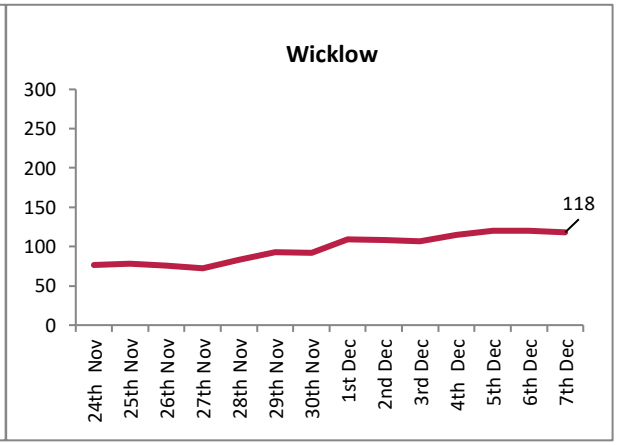
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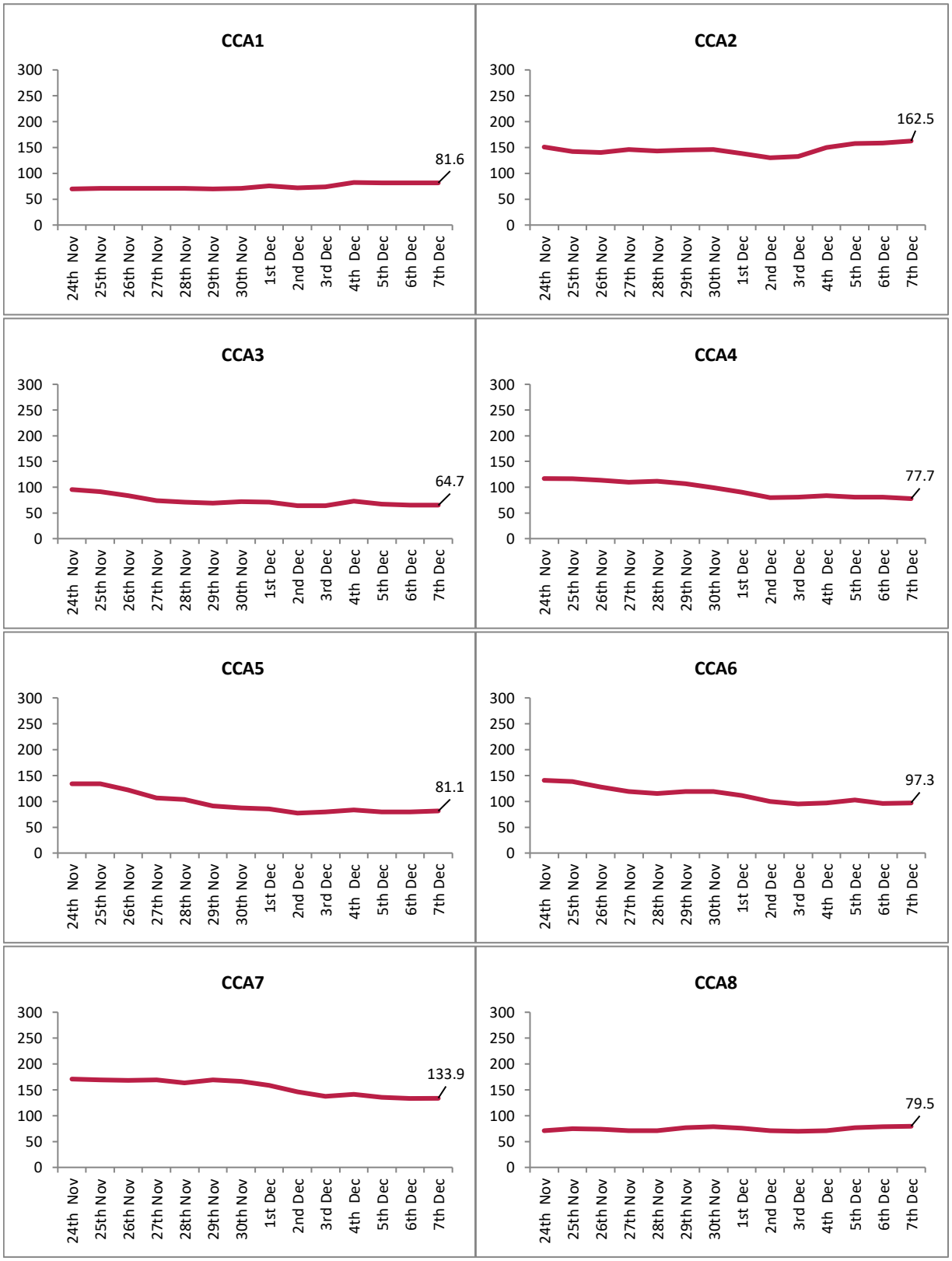
Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (24/11/2020 to 07/12/2020)



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