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Epidemiology of COVID-19 in Ireland - 14 day report Report prepared by HPSC on 19/11/2020

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Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 19/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 05/11/2020 up to midnight 18/11/2020

	Number	Percent
Total number of confirmed cases	5,548	
National incidence of confirmed cases per 100,000 population	116.51	
Number of cases hospitalised*	367	6.61
Number of cases admitted to ICU*	19	0.34
Number of deaths among confirmed cases	19	0.34
Case fatality ratio (CFR, %)	0.34	
National incidence of confirmed deaths per 100,000 population	0.4	
Number of cases** associated with clusters	2,168	39.08
Number of imported cases	14	0.25
Number of cases in healthcare workers	725	13.07
Males	2,668	48.09
Females	2,869	51.71
M:F ratio	0.93	
Median age (years)	35	
Mean age (years)	38	
Age range (years)	0 - 108	

* 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
05/11/2020 - 18/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:53 on 19/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

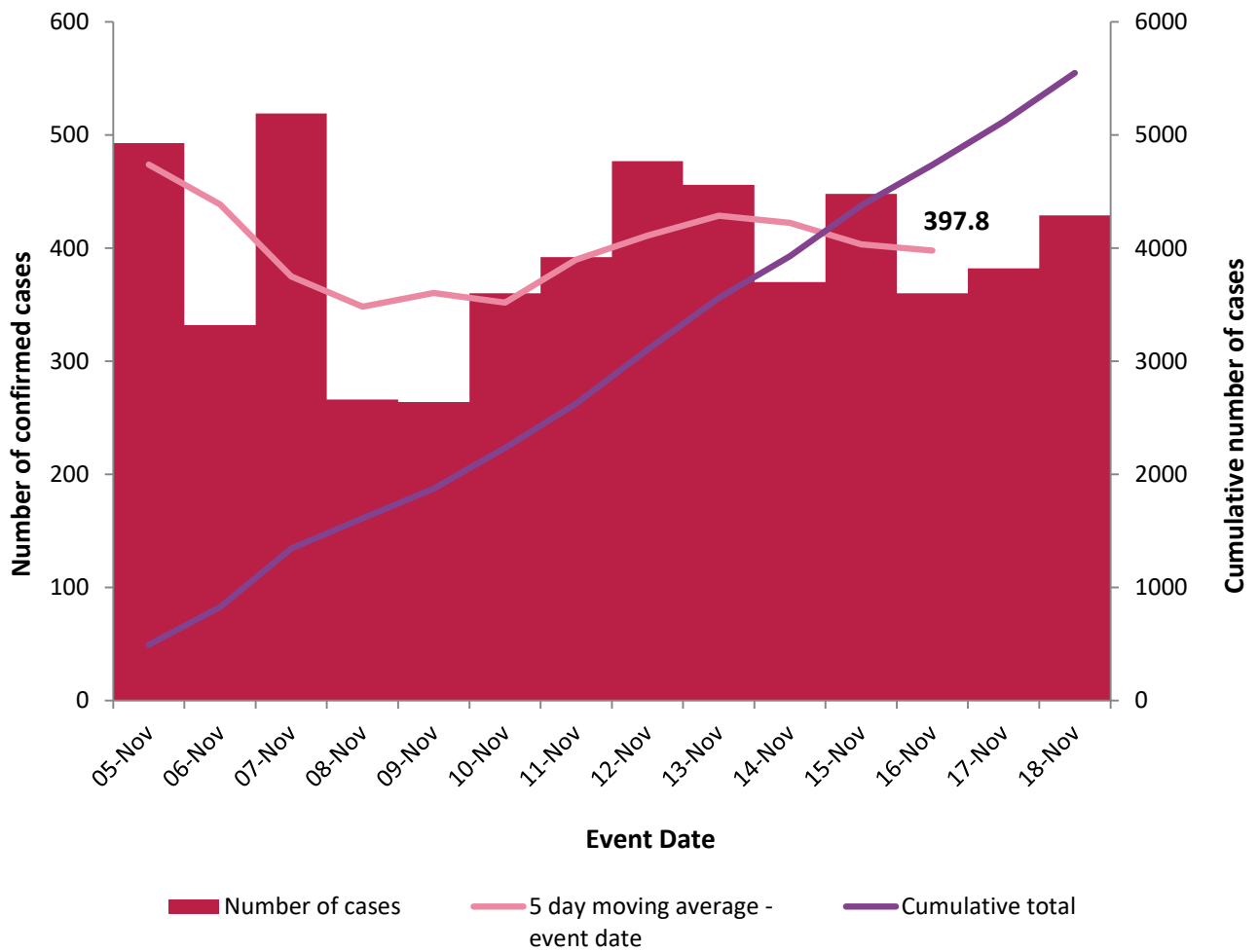


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 05/11/2020 to midnight 18/11/2020 (n=5,548)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 05/11/2020 up to midnight on 18/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,548	100
Sex	Male:Female ratio	0.93	
	Male	2,668	48.09
	Female	2,869	51.71
	Unknown	11	0.2
Age	Median age (years)	35	
	Mean age (years)	38	
	Age range (years)	0 - 108	
	0-4 yrs	235	4.24
	5-12 yrs	420	7.57
	13-18 yrs	476	8.58
	19-24 yrs	675	12.17
	25-34 yrs	894	16.11
	35-44 yrs	877	15.81
	45-54 yrs	789	14.22
	55-64 yrs	491	8.85
	65-74 yrs	300	5.41
	75-84 yrs	225	4.06
	85+ yrs	166	2.99
Underlying clinical conditions	Yes	1,420	25.59
	No	3,513	63.32
	Unknown	615	11.09
Symptom status at time of test*	Yes	3,288	59.26
	No	1,509	27.2
	Unknown	751	13.54

*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 05/11/2020 to midnight 18/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	644	164.6
CHO2	427	94.2
CHO3	617	160.3
CHO4	567	82.1
CHO5	507	99.3
CHO6	378	98.7
CHO7	789	111.5
CHO8	838	135.3
CHO9	781	125.7
Total	5,548	116.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 05/11/2020 to midnight 18/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	421	264.5
Limerick	432	221.7
Louth	226	175.4
Roscommon	108	167.3
Waterford	180	154.9
Offaly	117	150.1
Westmeath	122	137.4
Meath	248	127.2
Dublin	1679	124.6
Monaghan	73	118.9
Kilkenny	114	114.9
Tipperary	169	105.9
Mayo	136	104.2
Clare	123	103.5
Longford	41	100.3
Leitrim	31	96.7
Laois	81	95.6
Cavan	71	93.2
Carlow	52	91.3
Kerry	128	86.7
Kildare	188	84.5
Cork	439	80.9
Sligo	49	74.8
Galway	183	70.9
Wicklow	81	56.9
Wexford	56	37.4
Total	5,548	116.5

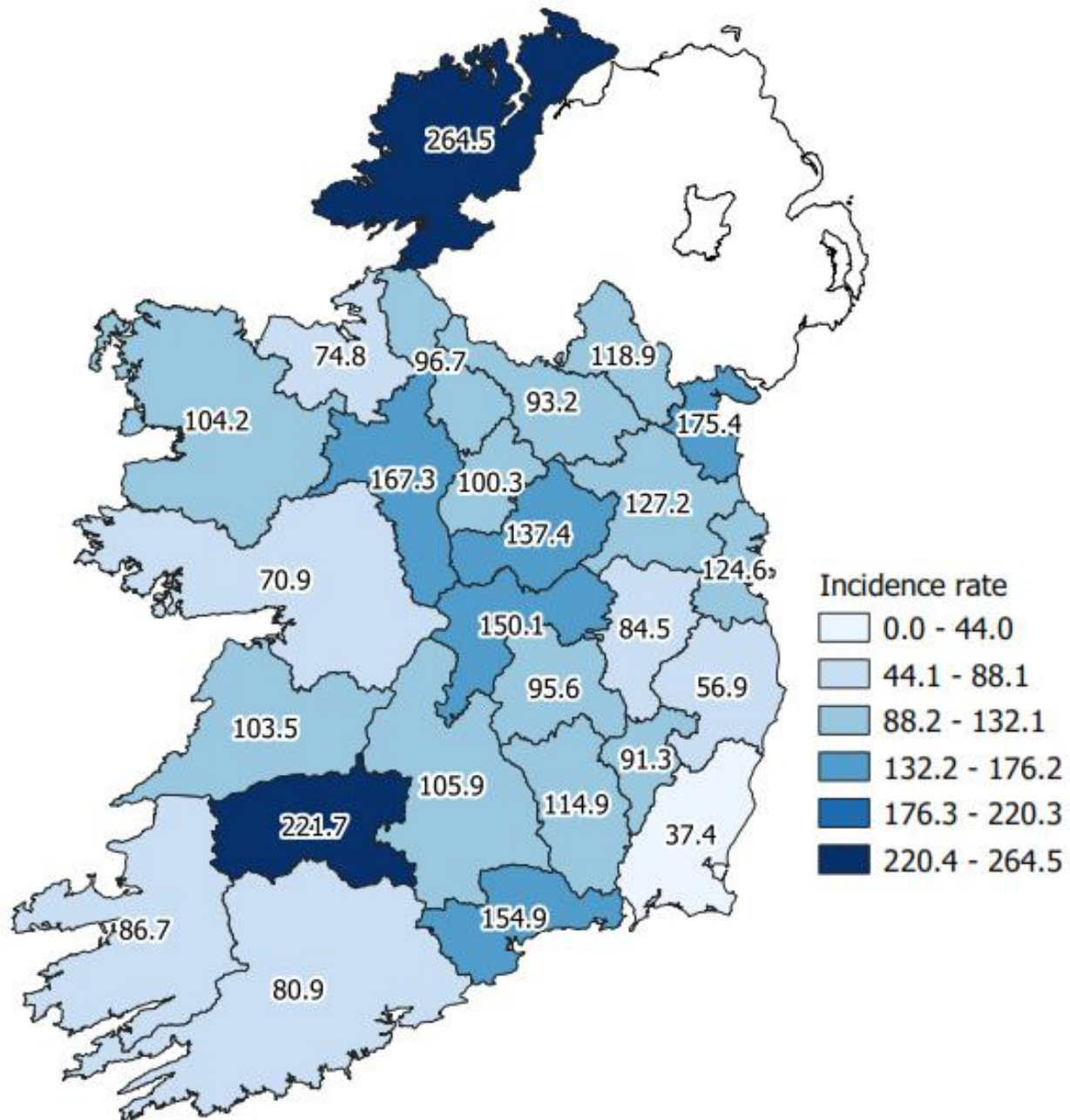


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 05/11/2020 and 18/11/2020

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 05/11/2020 and 18/11/2020

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	206	166.5
CCA3	Dublin South City	149	99.4
CCA4	Dublin South West	203	126.2
CCA5	Dublin West	246	158.4
CCA6	Dublin North West	334	160.8
CCA7	Dublin North Central	238	154.0
CCA8	Dublin North	209	80.6
	Dublin	1679	124.6

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.

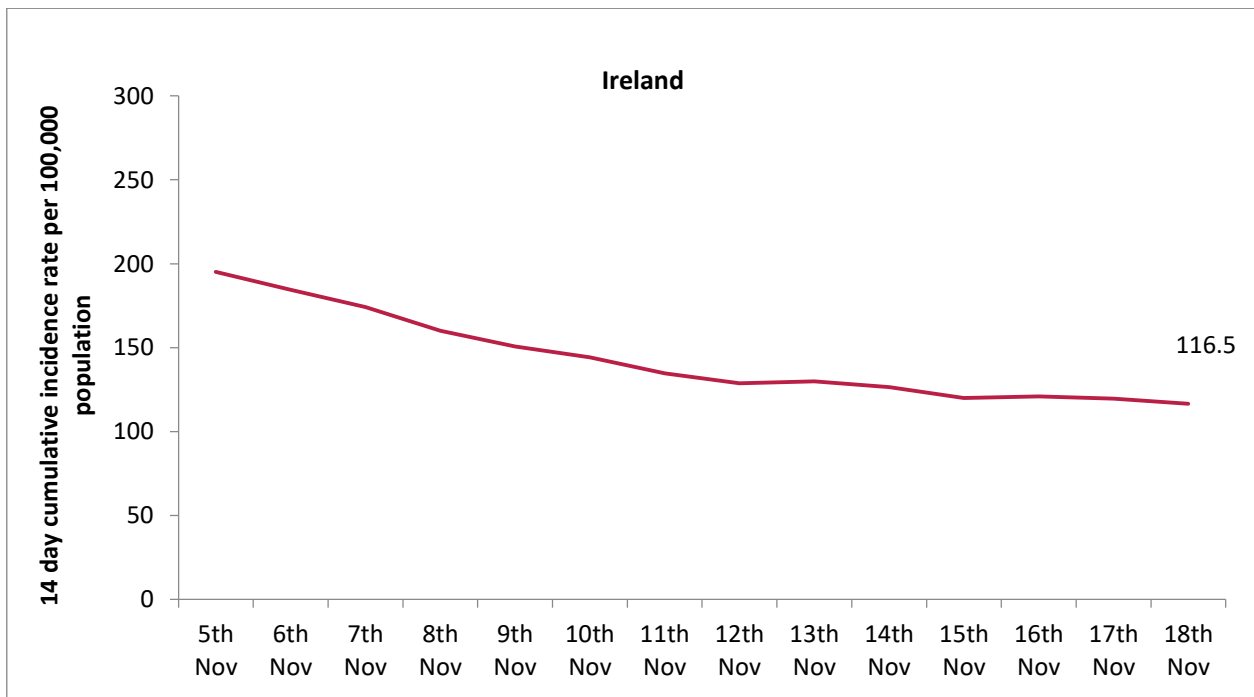


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (November 5th to November 18th 2020)

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 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 05/11/2020 to midnight 18/11/2020 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	235	4	1.09	0	0
5-12 yrs	420			0	0
13-18 yrs	476	11	3	0	0
19-24 yrs	675	10	2.72	1	5.26
25-34 yrs	894	19	5.18	1	5.26
35-44 yrs	877	26	7.08	1	5.26
45-54 yrs	789	37	10.08	2	10.53
55-64 yrs	491	37	10.08	3	15.79
65-74 yrs	300	65	17.71	6	31.58
75-84 yrs	225	97	26.43	5	26.32
85+ yrs	166	61	16.62	0	0
Total	5,548	367	100	19	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 11:53 on 19/11/2020. 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 (November 5th to 18th 2020)

