



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 18/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 04/11/2020 up to midnight 17/11/2020

	Number	Percent
Total number of confirmed cases	5,708	
National incidence of confirmed cases per 100,000 population	119.87	
Number of cases hospitalised*	369	6.46
Number of cases admitted to ICU*	18	0.32
Number of deaths among confirmed cases	22	0.39
Case fatality ratio (CFR, %)	0.39	
National incidence of confirmed deaths per 100,000 population	0.46	
Number of cases** associated with clusters	1,945	34.07
Number of imported cases	16	0.28
Number of cases in healthcare workers	752	13.17
Males	2,757	48.3
Females	2,941	51.52
M:F ratio	0.94	
Median age (years)	36	
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
04/11/2020 - 17/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:33 on 18/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

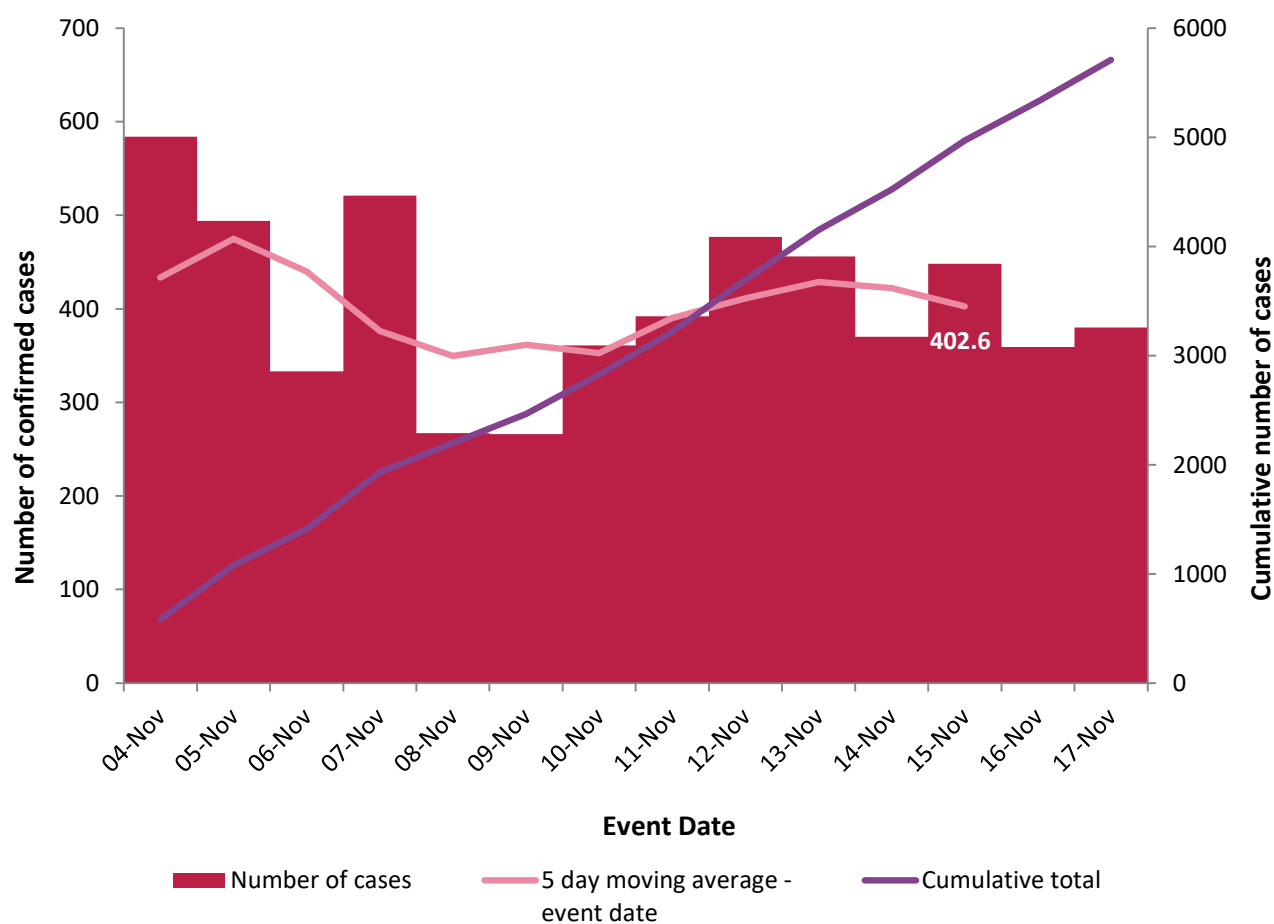


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 04/11/2020 to midnight 17/11/2020 (n=5,708)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 04/11/2020 up to midnight on 17/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,708	100
Sex	Male:Female ratio	0.94	
	Male	2,757	48.3
	Female	2,941	51.52
	Unknown	10	0.18
Age	Median age (years)	36	
	Mean age (years)	38	
	Age range (years)	0 - 108	
	0-4 yrs	238	4.17
	5-12 yrs	426	7.46
	13-18 yrs	472	8.27
	19-24 yrs	665	11.65
	25-34 yrs	930	16.29
	35-44 yrs	894	15.66
	45-54 yrs	833	14.59
	55-64 yrs	517	9.06
	65-74 yrs	319	5.59
	75-84 yrs	235	4.12
	85+ yrs	179	3.14
Underlying clinical conditions	Yes	1,493	26.16
	No	3,654	64.02
	Unknown	561	9.83
Symptom status at time of test*	Yes	3,448	60.41
	No	1,558	27.3
	Unknown	702	12.3

*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 04/11/2020 to midnight 17/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	694	177.4
CHO2	446	98.4
CHO3	661	171.7
CHO4	617	89.3
CHO5	526	103.1
CHO6	376	98.1
CHO7	776	109.6
CHO8	860	138.9
CHO9	752	121.0
Total	5,708	119.9

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 04/11/2020 to midnight 17/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	471	295.9
Limerick	462	237.0
Louth	218	169.1
Waterford	189	162.7
Roscommon	102	158.0
Westmeath	134	151.0
Offaly	113	144.9
Meath	262	134.3
Dublin	1627	120.8
Kilkenny	118	118.9
Kerry	172	116.4
Clare	133	111.9
Mayo	145	111.1
Longford	45	110.1
Monaghan	67	109.1
Tipperary	170	106.5
Laois	84	99.2
Sligo	60	91.6
Cavan	69	90.6
Leitrim	28	87.4
Carlow	49	86.1
Kildare	188	84.5
Cork	445	82.0
Galway	199	77.1
Wicklow	89	62.5
Wexford	69	46.1
Total	5,708	119.9

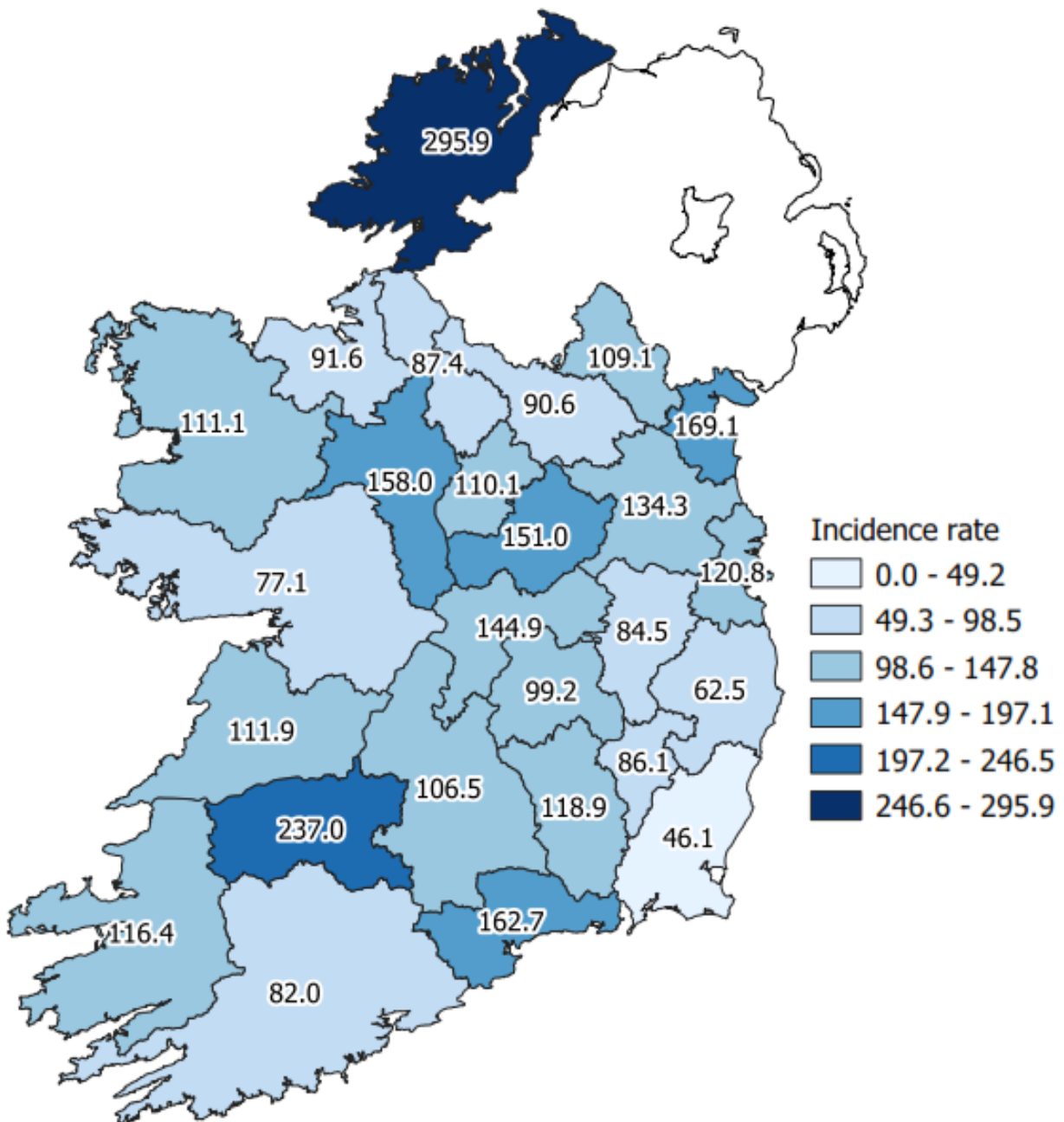


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 04/11/2020 and 17/11/2020

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 04/11/2020 and 17/11/2020

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	87	63.9
CCA2	Dublin South East	203	164.1
CCA3	Dublin South City	141	94.0
CCA4	Dublin South West	186	115.6
CCA5	Dublin West	258	166.1
CCA6	Dublin North West	331	159.4
CCA7	Dublin North Central	219	141.7
CCA8	Dublin North	202	77.9
Dublin		1627	120.8

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.

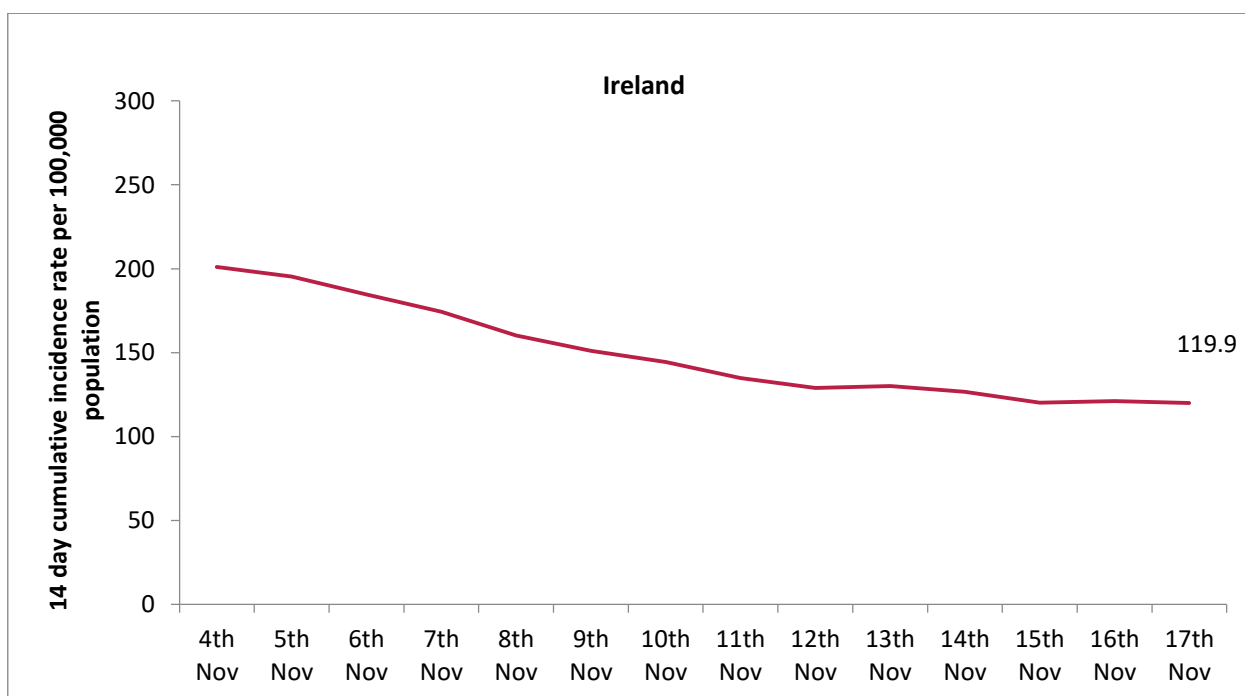


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (November 4th to November 17th 2020)

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 04/11/2020 to midnight 17/11/2020 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	238	4	1.08	0	0
5-12 yrs	426	1	0.27	0	0
13-18 yrs	472	10	2.71	0	0
19-24 yrs	665	9	2.44	1	5.56
25-34 yrs	930	21	5.69	0	0
35-44 yrs	894	26	7.05	1	5.56
45-54 yrs	833	34	9.21	3	16.67
55-64 yrs	517	36	9.76	2	11.11
65-74 yrs	319	71	19.24	7	38.89
75-84 yrs	235	98	26.56	4	22.22
85+ yrs	179	59	15.99	0	0
Total	5,708	369	100	18	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 09:33 on 18/11/2020. 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 4th to 17th 2020)

