



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 13/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 30/10/2020 up to midnight 12/11/2020

	Number	Percent
Total number of confirmed cases	6,154	
National incidence of confirmed cases per 100,000 population	129.24	
Number of cases hospitalised*	363	5.9
Number of cases admitted to ICU*	21	0.34
Number of deaths among confirmed cases	17	0.28
Case fatality ratio (CFR, %)	0.28	
National incidence of confirmed deaths per 100,000 population	0.36	
Number of cases** associated with clusters	2,198	35.72
Number of imported cases	16	0.26
Number of cases in healthcare workers	613	9.96
Males	2,984	48.49
Females	3,160	51.35
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
30/10/2020 - 12/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:19 on 13/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

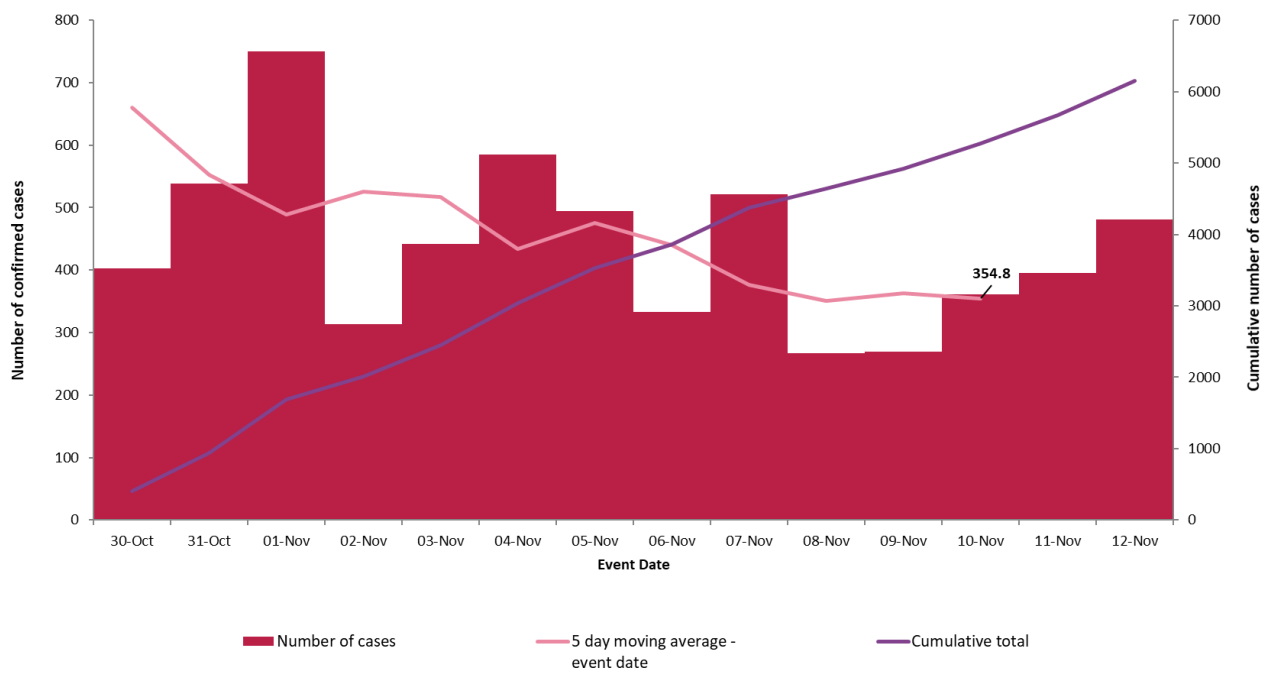


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 30/10/2020 to midnight 12/11/2020 (n=6,154)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 30/10/2020 up to midnight on 12/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,154	100
Sex	Male:Female ratio	0.94	
	Male	2,984	48.49
	Female	3,160	51.35
	Unknown	10	0.16
Age	Median age (years)	36	
	Mean age (years)	38	
	Age range (years)	0 - 108	
	0-4 yrs	267	4.34
	5-12 yrs	485	7.88
	13-18 yrs	503	8.17
	19-24 yrs	726	11.8
	25-34 yrs	988	16.05
	35-44 yrs	925	15.03
	45-54 yrs	886	14.4
	55-64 yrs	571	9.28
	65-74 yrs	360	5.85
	75-84 yrs	269	4.37
	85+ yrs	171	2.78
	Unknown	3	0.05
Underlying clinical conditions	Yes	1,234	20.05
	No	4,052	65.84
	Unknown	868	14.1
Symptom status at time of test*	Yes	3,545	57.6
	No	1,589	25.82
	Unknown	1,020	16.57

*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 30/10/2020 to midnight 12/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	707	180.7
CHO2	517	114.1
CHO3	613	159.2
CHO4	782	113.2
CHO5	507	99.3
CHO6	378	98.7
CHO7	785	110.9
CHO8	874	141.1
CHO9	990	159.3
Unknown	1	
Total	6,154	129.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 30/10/2020 to midnight 12/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	431	270.7
Limerick	383	196.5
Roscommon	104	161.1
Meath	298	152.8
Westmeath	134	151.0
Louth	192	149.0
Sligo	95	145.0
Mayo	189	144.8
Waterford	165	142.0
Dublin	1862	138.2
Laois	111	131.1
Kilkenny	128	129.0
Monaghan	79	128.7
Kerry	190	128.6
Longford	50	122.3
Tipperary	187	117.2
Offaly	86	110.3
Cork	592	109.1
Cavan	82	107.6
Clare	124	104.4
Carlow	59	103.6
Galway	224	86.8
Kildare	190	85.4
Wicklow	102	71.6
Leitrim	20	62.4
Wexford	77	51.4
Total	6,154	129.2

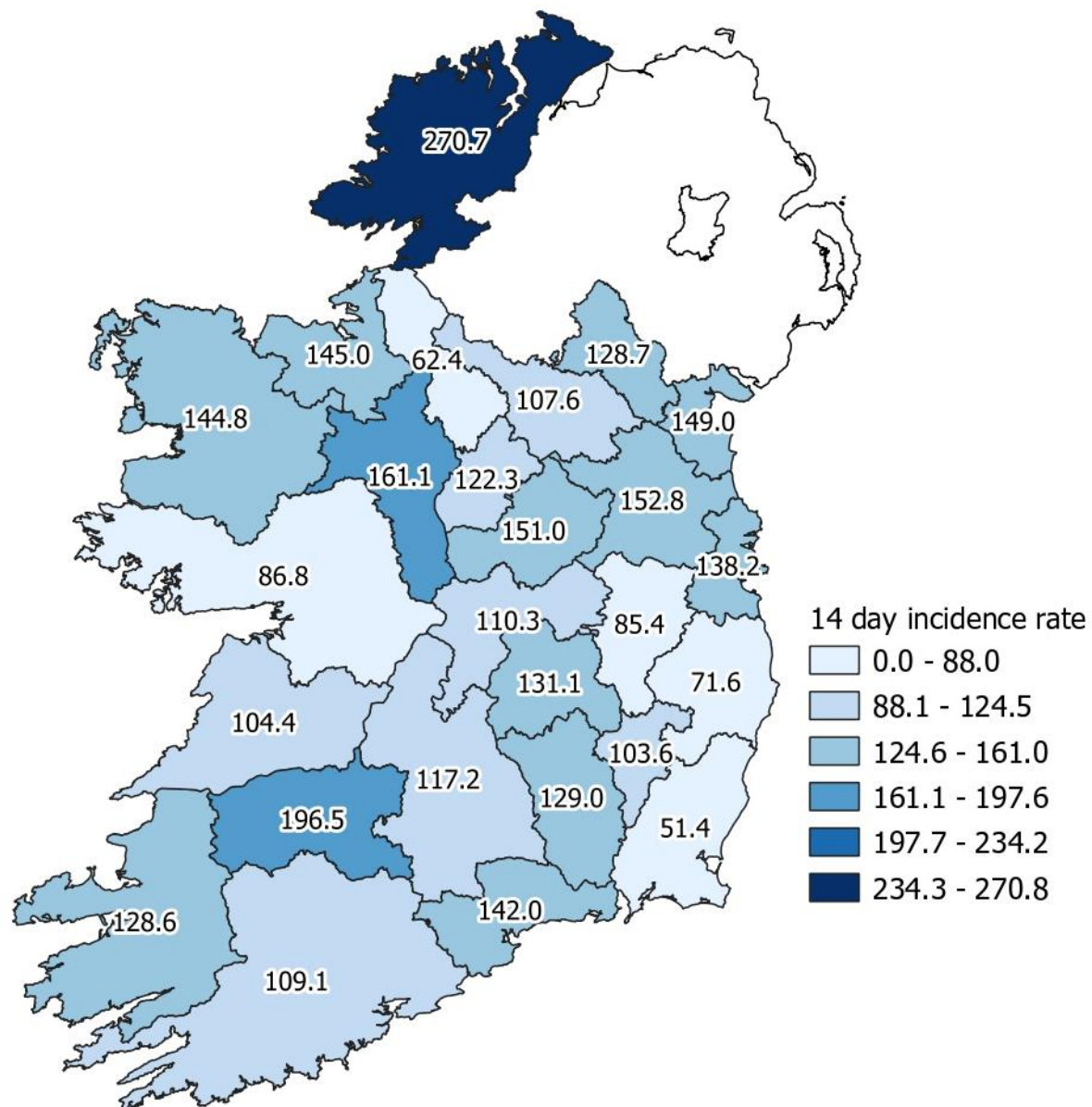


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 30/10/2020 and 12/11/2020

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 30/10/2020 and 12/11/2020

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	77	56.6
CCA2	Dublin South East	201	162.5
CCA3	Dublin South City	133	88.7
CCA4	Dublin South West	205	127.4
CCA5	Dublin West	255	164.2
CCA6	Dublin North West	392	188.8
CCA7	Dublin North Central	256	165.6
CCA8	Dublin North	342	132.0
	Unknown	1	
	Dublin	1,862	138.2

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.

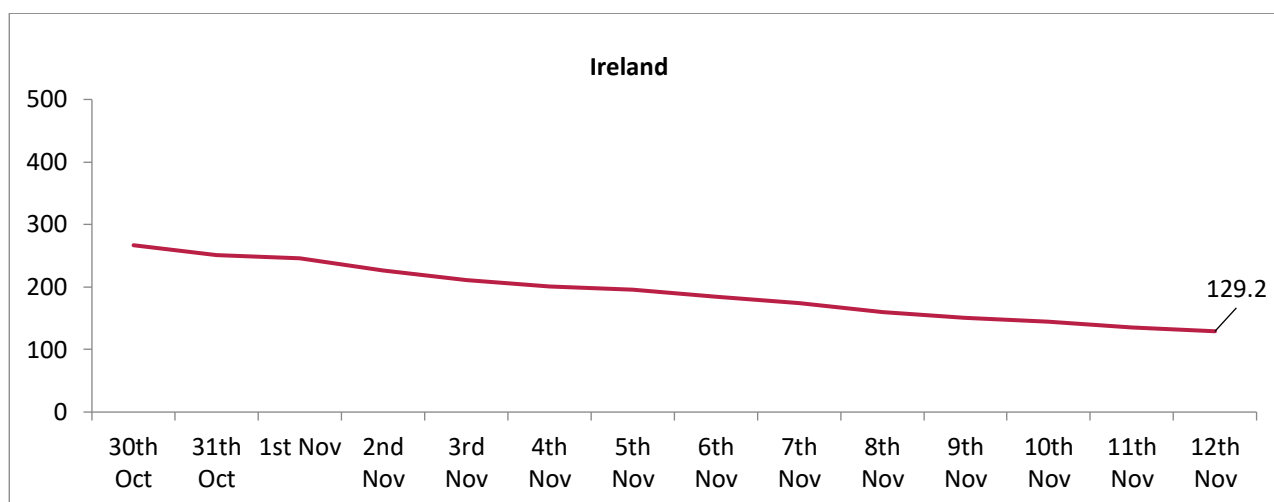


Figure 3: 14 day incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (Oct 30th to Nov 12th 2020)

14 day incidence rates per 100,000 population 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 30/10/2020 to midnight 12/11/2020 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	267	5	1.38	0	0
5-12 yrs	485	5	1.38	0	0
13-18 yrs	503	6	1.65	0	0
19-24 yrs	726	12	3.31	2	9.52
25-34 yrs	988	18	4.96	0	0
35-44 yrs	925	27	7.44	1	4.76
45-54 yrs	886	36	9.92	3	14.29
55-64 yrs	571	36	9.92	4	19.05
65-74 yrs	360	73	20.11	7	33.33
75-84 yrs	269	96	26.45	4	19.05
85+ yrs	171	49	13.5	0	0
Unknown	3			0	0
Total	6,154	363	100	21	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 11:19 on 13/11/2020. 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 incidence rates per 100,000 population of confirmed cases of COVID-19 by county (Oct 30th to Nov 12th 2020)

