



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 10/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 27/10/2020 up to midnight 09/11/2020

	Number	Percent
Total number of confirmed cases	7,212	
National incidence of confirmed cases per 100,000 population	151.45	
Number of cases hospitalised*	389	5.39
Number of cases admitted to ICU*	21	0.29
Number of deaths among confirmed cases	17	0.24
Case fatality ratio (CFR, %)	0.24	
National incidence of confirmed deaths per 100,000 population	0.36	
Number of cases** associated with clusters	1,969	27.3
Males	3,456	47.92
Females	3,745	51.93
M:F ratio	0.92	
Median age (years)	35	
Mean age (years)	37	
Age range (years)	0 - 103	

* 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
27/10/2020 - 09/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:22 on 10/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Note 2: Due to the large volume of COVID-19 cases in recent days, the collection of surveillance data has been considerably reduced. Consequently, HPSC is currently producing an abridged version of the 14 day report.

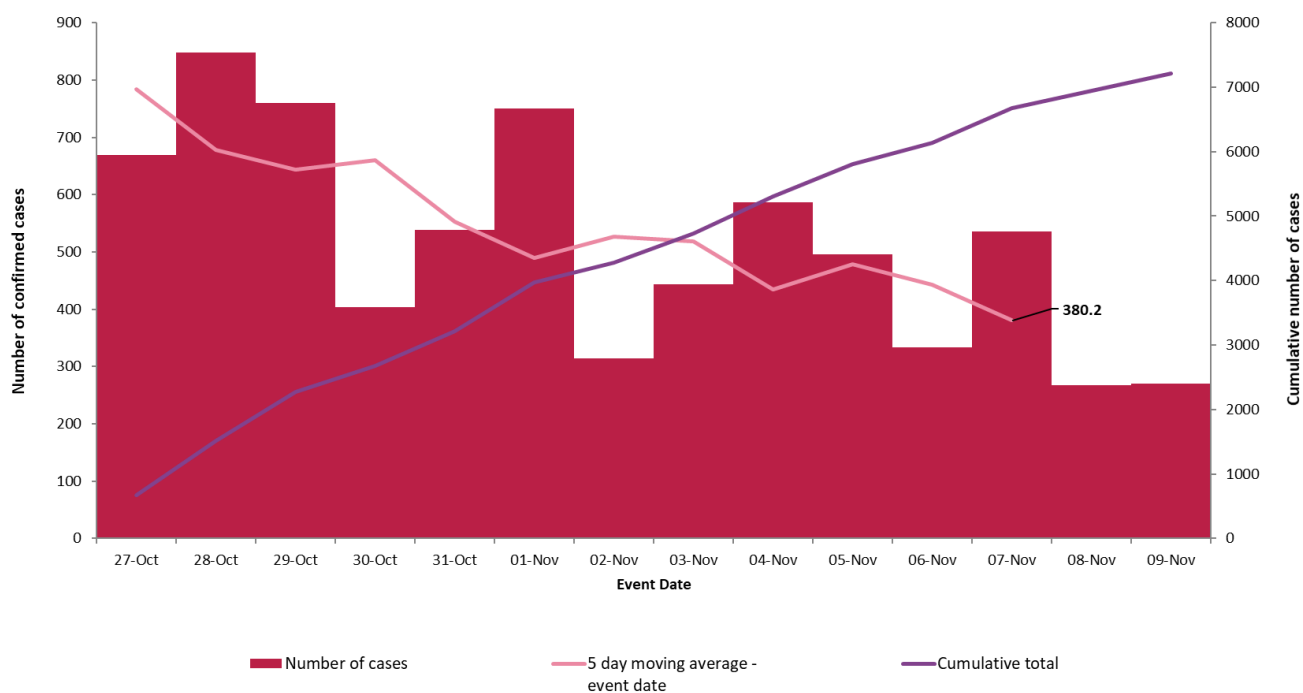


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 27/10/2020 to midnight 09/11/2020 (n=7,212)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 27/10/2020 up to midnight on 09/11/2020

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,212	100
Sex	Male:Female ratio	0.92	
	Male	3,456	47.92
	Female	3,745	51.93
	Unknown	11	0.15
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 103	
	0-4 yrs	309	4.28
	5-12 yrs	597	8.28
	13-18 yrs	597	8.28
	19-24 yrs	888	12.31
	25-34 yrs	1,129	15.65
	35-44 yrs	1,103	15.29
	45-54 yrs	1,034	14.34
	55-64 yrs	686	9.51
	65-74 yrs	425	5.89
	75-84 yrs	265	3.67
	85+ yrs	177	2.45
	Unknown	2	0.03

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 27/10/2020 to midnight 09/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	749	191.4
CHO2	586	129.3
CHO3	687	178.4
CHO4	1077	156.0
CHO5	526	103.1
CHO6	404	105.4
CHO7	942	133.1
CHO8	1028	166.0
CHO9	1213	195.2
Unknown	0	
Total	7,212	151.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 27/10/2020 to midnight 09/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	453	284.6
Limerick	408	209.3
Meath	396	203.0
Roscommon	112	173.5
Westmeath	152	171.2
Dublin	2191	162.6
Cork	868	159.9
Louth	200	155.2
Sligo	100	152.6
Laois	129	152.3
Longford	61	149.2
Mayo	193	147.9
Kerry	209	141.5
Cavan	107	140.5
Clare	157	132.1
Kilkenny	130	131.0
Carlow	74	130.0
Waterford	151	130.0
Monaghan	77	125.4
Tipperary	198	124.1
Kildare	258	116.0
Galway	281	108.9
Offaly	83	106.5
Wicklow	110	77.2
Wexford	102	68.1
Leitrim	12	37.4
Total	7,212	151.5

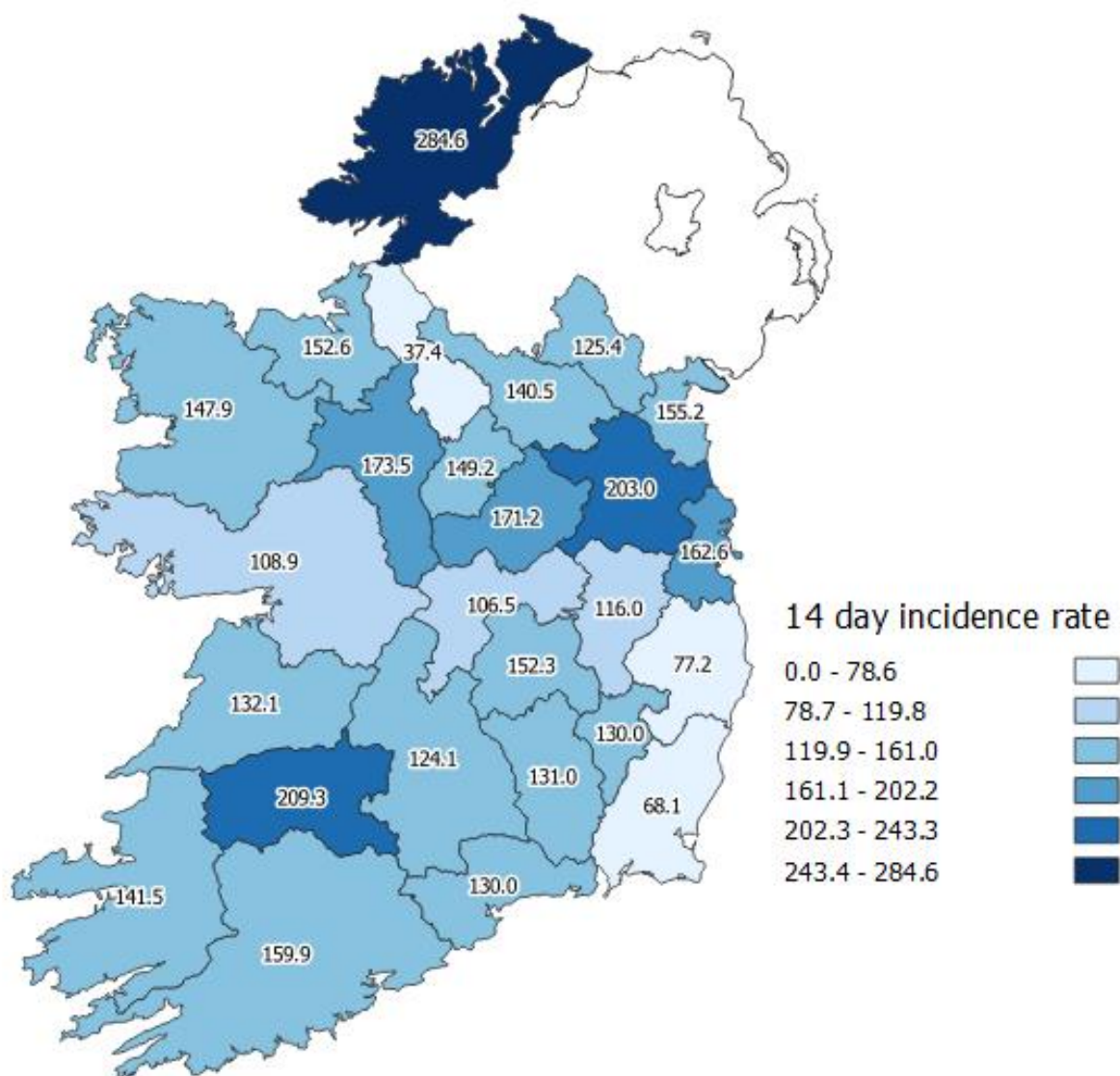


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 27/10/2020 and 09/11/2020

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 27/10/2020 and 09/11/2020

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	92	67.6
CCA2	Dublin South East	205	165.7
CCA3	Dublin South City	129	86.0
CCA4	Dublin South West	262	162.8
CCA5	Dublin West	290	186.7
CCA6	Dublin North West	463	222.9
CCA7	Dublin North Central	314	203.1
CCA8	Dublin North	436	168.2
	Unknown	0	
	Dublin	2, 191	162.6

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.

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 27/10/2020 to midnight 09/11/2020 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	309	6	1.54	0	0
5-12 yrs	597	5	1.29	0	0
13-18 yrs	597	6	1.54	0	0
19-24 yrs	888	11	2.83	2	9.52
25-34 yrs	1129	27	6.94	0	0
35-44 yrs	1103	39	10.03	2	9.52
45-54 yrs	1034	43	11.05	3	14.29
55-64 yrs	686	37	9.51	2	9.52
65-74 yrs	425	77	19.79	6	28.57
75-84 yrs	265	89	22.88	5	23.81
85+ yrs	177	49	12.6	1	4.76
Unknown	2			0	0
Total	7,212	389	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 11:22 on 10/11/2020. 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.