



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 07/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 24/10/2020 up to midnight 06/11/2020

	Number	Percent
Total number of confirmed cases	8,836	
National incidence of confirmed cases per 100,000 population	185.56	
Number of cases hospitalised*	352	3.98
Number of cases admitted to ICU*	24	0.27
Number of deaths among confirmed cases	12	0.14
Case fatality ratio (CFR, %)	0.14	
National incidence of confirmed deaths per 100,000 population	0.25	
Number of cases** associated with clusters	2,197	24.86
Number of imported cases	11	0.12
Number of cases in healthcare workers	519	5.87
Males	4,227	47.84
Females	4,598	52.04
M:F ratio	0.92	
Median age (years)	34	
Mean age (years)	36	
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
24/10/2020 - 06/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:21 on 07/11/2020 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.

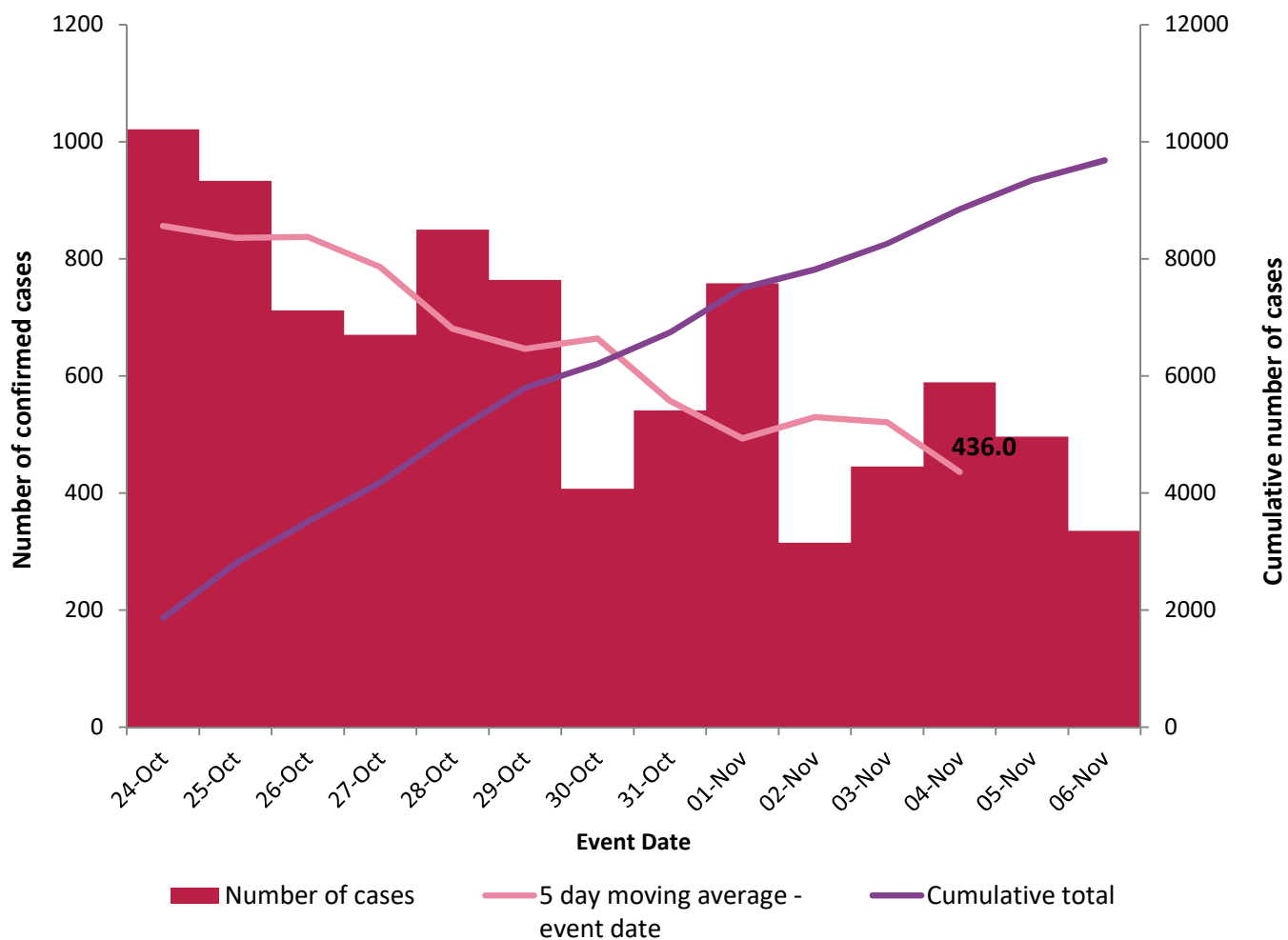


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 24/10/2020 to midnight 06/11/2020 (n=8,836)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 24/10/2020 up to midnight on 06/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		8,836	100
Sex	Male:Female ratio	0.92	
	Male	4,227	47.84
	Female	4,598	52.04
	Unknown	11	0.12
Age	Median age (years)	34	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	394	4.46
	5-12 yrs	749	8.48
	13-18 yrs	805	9.11
	19-24 yrs	1,147	12.98
	25-34 yrs	1,355	15.33
	35-44 yrs	1,309	14.81
	45-54 yrs	1,241	14.04
	55-64 yrs	877	9.93
	65-74 yrs	478	5.41
	75-84 yrs	299	3.38
	85+ yrs	180	2.04
	Unknown	2	0.02
Underlying clinical conditions	Yes	823	9.31
	No	6,490	73.45
	Unknown	1,523	17.24

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 24/10/2020 to midnight 06/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	889	227.2
CHO2	796	175.7
CHO3	767	199.2
CHO4	1447	209.5
CHO5	627	122.9
CHO6	460	120.1
CHO7	1191	168.3
CHO8	1246	201.2
CHO9	1413	227.4
Unknown	0	
Total	8,836	185.6

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 24/10/2020 to midnight 06/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	464	291.5
Meath	508	260.5
Cavan	176	231.0
Limerick	425	218.1
Cork	1183	217.9
Westmeath	185	208.4
Sligo	136	207.5
Dublin	2589	192.2
Louth	243	188.5
Carlow	107	187.9
Mayo	239	183.1
Kerry	264	178.7
Roscommon	114	176.6
Clare	205	172.5
Galway	443	171.7
Monaghan	104	169.4
Laois	143	168.8
Longford	69	168.8
Waterford	191	164.4
Kildare	348	156.4
Kilkenny	140	141.1
Tipperary	205	128.5
Offaly	85	109.0
Wexford	134	89.5
Wicklow	127	89.2
Leitrim	9	28.1
Total	8,836	185.6

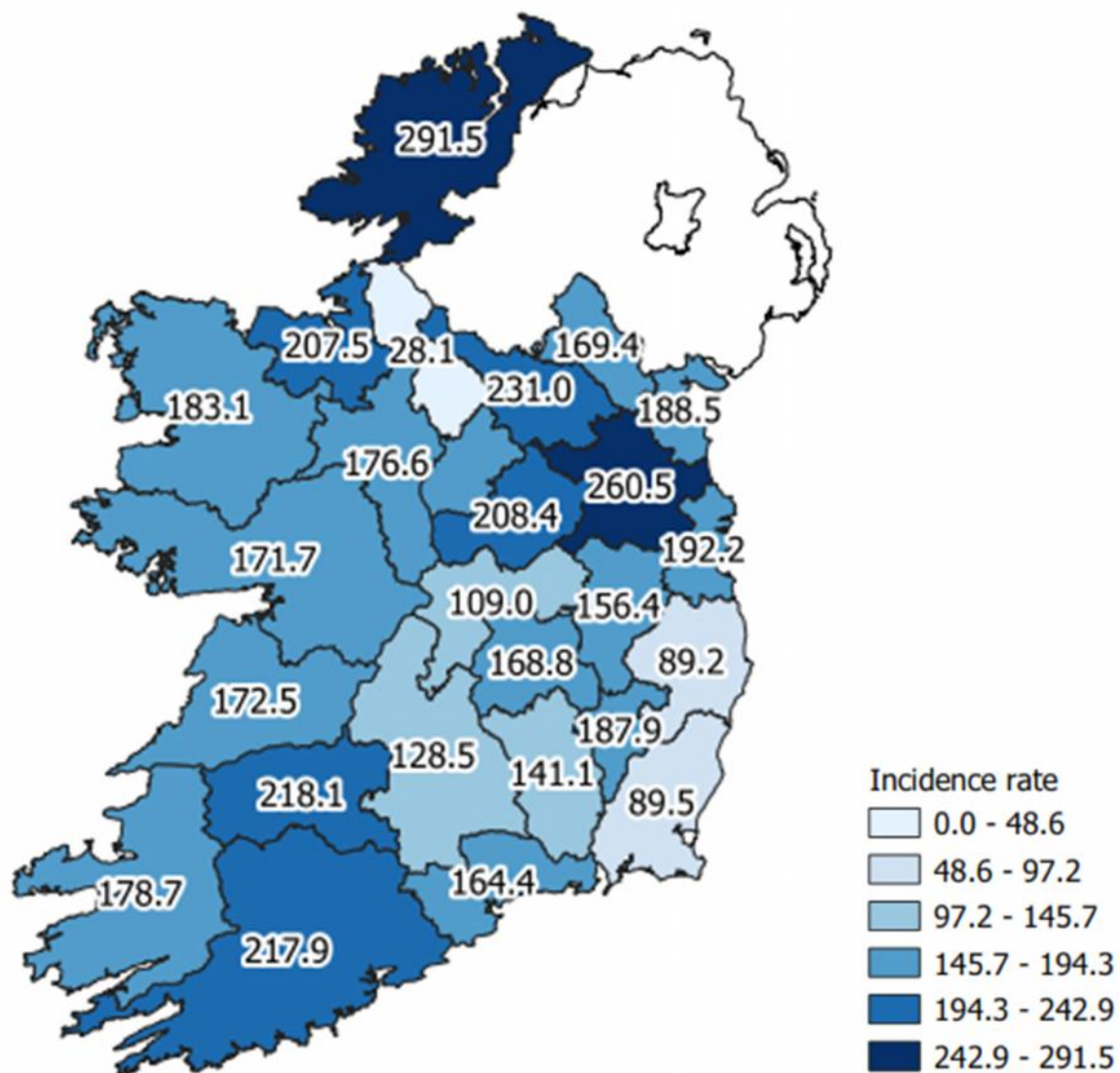


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 24/10/2020 and 06/11/2020

Please do not directly compare county shades to previous maps. The number of cases are increasing and as such the categories listed will broaden 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 24/10/2020 and 06/11/2020

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	112	82.3
CCA2	Dublin South East	224	181.1
CCA3	Dublin South City	181	120.7
CCA4	Dublin South West	300	186.5
CCA5	Dublin West	359	231.1
CCA6	Dublin North West	546	262.9
CCA7	Dublin North Central	341	220.6
CCA8	Dublin North	526	203.0
Dublin		2,589	192.2

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.

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 24/10/2020 to midnight 06/11/2020 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	394	5	1.42	0	0
5-12 yrs	749	8	2.27	0	0
13-18 yrs	805	7	1.99	0	0
19-24 yrs	1147	12	3.41	1	4.17
25-34 yrs	1355	20	5.68	0	0
35-44 yrs	1309	32	9.09	2	8.33
45-54 yrs	1241	41	11.65	4	16.67
55-64 yrs	877	37	10.51	3	12.5
65-74 yrs	478	70	19.89	10	41.67
75-84 yrs	299	80	22.73	3	12.5
85+ yrs	180	40	11.36	1	4.17
Unknown	2			0	0
Total	8,836	352	100	24	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 11:21 on 07/11/2020. 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.