



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 04/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 21/10/2020 up to midnight 03/11/2020

	Number	Percent
Total number of confirmed cases	10,127	
National incidence of confirmed cases per 100,000 population	212.67	
Number of cases hospitalised*	360	3.55
Number of cases admitted to ICU*	23	0.23
Number of deaths among confirmed cases	19	0.19
Case fatality ratio (CFR, %)	0.19	
National incidence of confirmed deaths per 100,000 population	0.4	
Number of cases** associated with clusters	2,031	20.06
Males	4,937	48.75
Females	5,183	51.18
M:F ratio	0.95	
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
21/10/2020 - 03/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:22 on 04/11/2020 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.

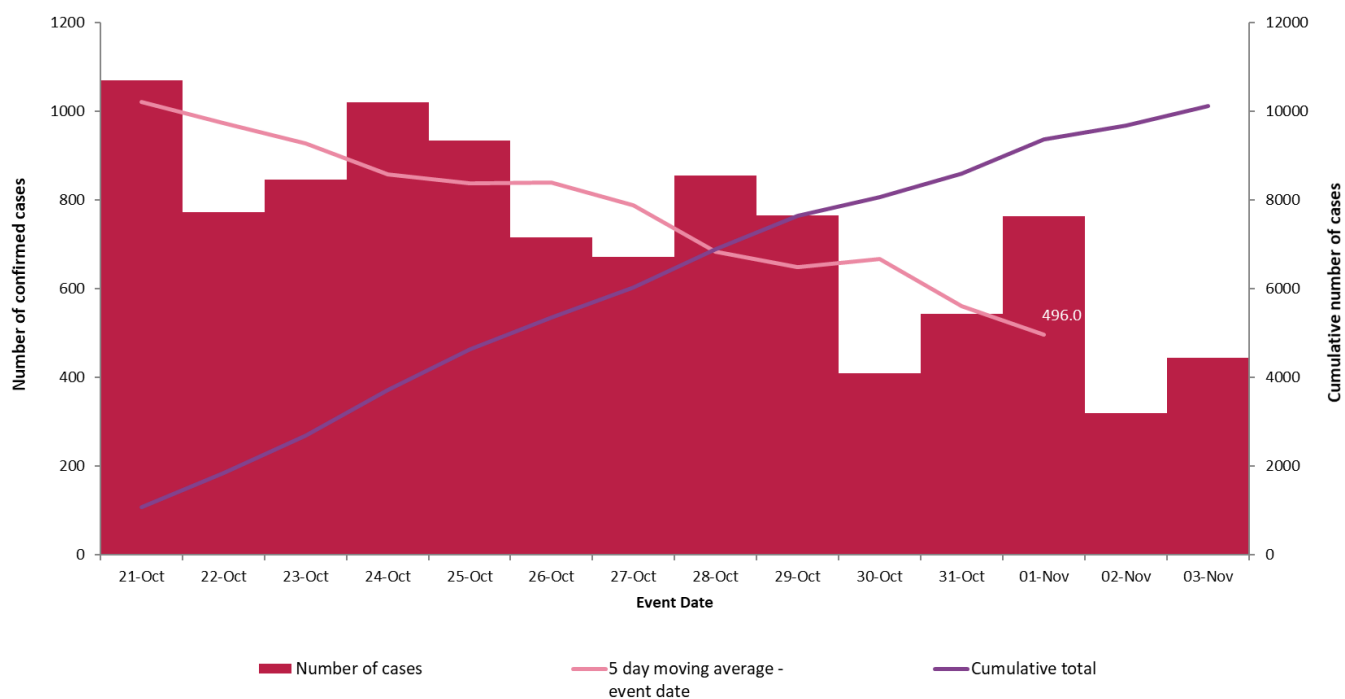


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 21/10/2020 to midnight 03/11/2020 (n=10,127)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 21/10/2020 up to midnight on 03/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		10,127	100
Sex	Male:Female ratio	0.95	
	Male	4,937	48.75
	Female	5,183	51.18
	Unknown	7	0.07
Age	Median age (years)	34	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	452	4.46
	5-12 yrs	838	8.27
	13-18 yrs	955	9.43
	19-24 yrs	1,425	14.07
	25-34 yrs	1,516	14.97
	35-44 yrs	1,452	14.34
	45-54 yrs	1,401	13.83
	55-64 yrs	1,033	10.2
	65-74 yrs	552	5.45
	75-84 yrs	315	3.11
	85+ yrs	185	1.83
	Unknown	3	0.03

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 21/10/2020 to midnight 03/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1070	273.5
CHO2	1027	226.7
CHO3	806	209.4
CHO4	1588	230.0
CHO5	737	144.4
CHO6	530	138.3
CHO7	1308	184.8
CHO8	1486	240.0
CHO9	1569	252.5
Unknown	6	
Total	10,127	212.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 21/10/2020 to midnight 03/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	278	364.9
Meath	630	323.0
Donegal	456	286.4
Sligo	186	283.8
Westmeath	234	263.6
Carlow	140	245.9
Cork	1323	243.7
Galway	628	243.4
Limerick	444	227.8
Roscommon	144	223.1
Louth	286	221.9
Dublin	2849	211.5
Monaghan	128	208.5
Mayo	255	195.4
Waterford	226	194.5
Clare	223	187.7
Kildare	415	186.5
Longford	76	185.9
Kerry	265	179.4
Laois	150	177.1
Kilkenny	135	136.0
Tipperary	208	130.4
Wexford	185	123.6
Offaly	92	118.0
Wicklow	149	104.6
Leitrim	22	68.7
Total	10,127	212.7

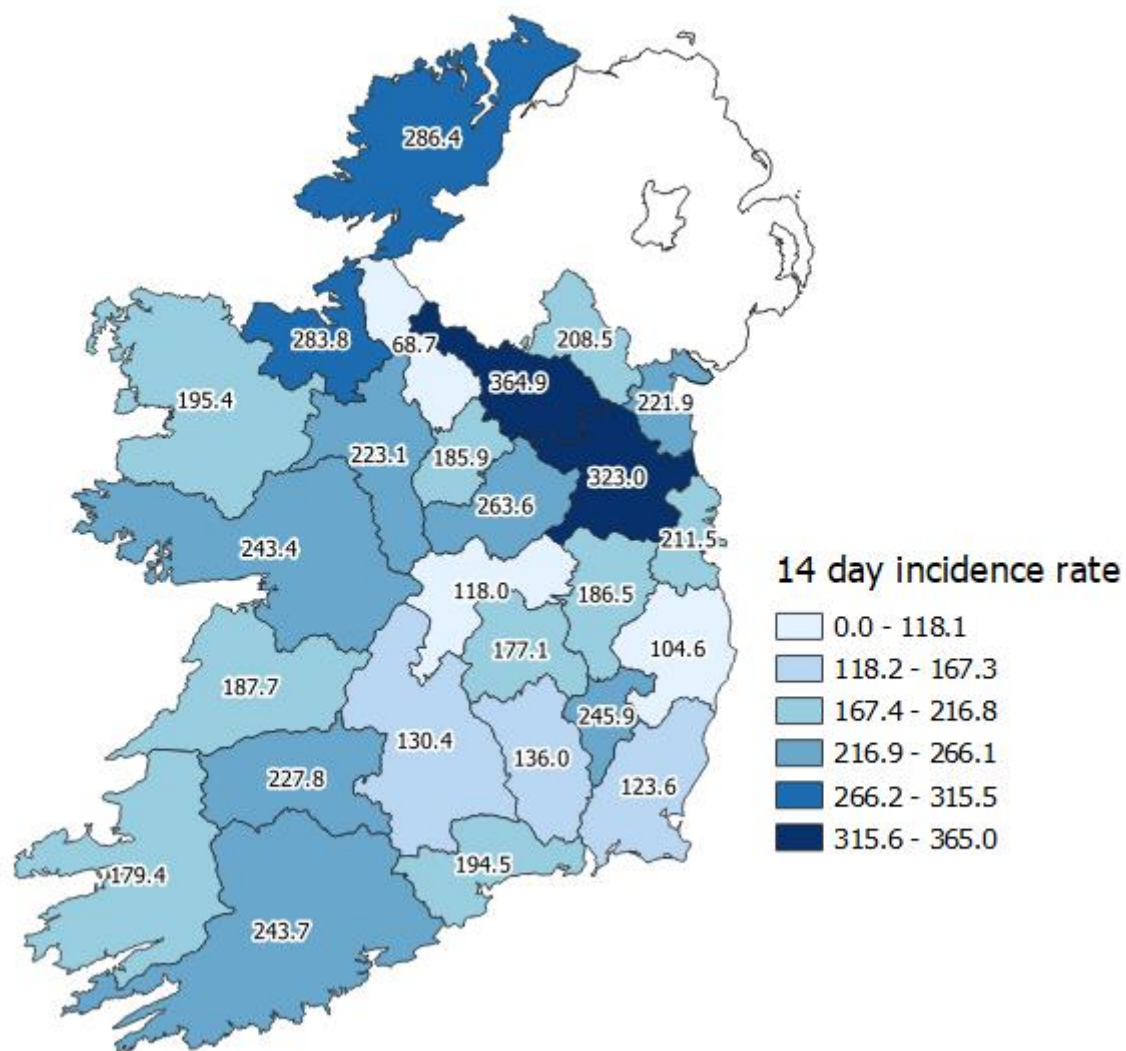


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 21/10/2020 and 03/11/2020

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 21/10/2020 and 03/11/2020

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	129	94.8
CCA2	Dublin South East	256	206.9
CCA3	Dublin South City	201	134.1
CCA4	Dublin South West	305	189.6
CCA5	Dublin West	383	246.6
CCA6	Dublin North West	602	289.9
CCA7	Dublin North Central	396	256.2
CCA8	Dublin North	571	220.3
	Unknown	6	
	Dublin	2,849	211.5

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 21/10/2020 to midnight 03/11/2020 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	452	4	1.11	0	0
5-12 yrs	838	7	1.94	0	0
13-18 yrs	955	8	2.22	0	0
19-24 yrs	1425	12	3.33	1	4.35
25-34 yrs	1516	16	4.44	0	0
35-44 yrs	1452	33	9.17	0	0
45-54 yrs	1401	37	10.28	5	21.74
55-64 yrs	1033	38	10.56	2	8.7
65-74 yrs	552	72	20	9	39.13
75-84 yrs	315	89	24.72	5	21.74
85+ yrs	185	44	12.22	1	4.35
Unknown	3			0	0
Total	10,127	360	100	23	100

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 04/11/2020. 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.