



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 11/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 28/10/2020 up to midnight 10/11/2020

	Number	Percent
Total number of confirmed cases	6,904	
National incidence of confirmed cases per 100,000 population	144.99	
Number of cases hospitalised*	382	5.53
Number of cases admitted to ICU*	25	0.36
Number of deaths among confirmed cases	14	0.2
Case fatality ratio (CFR, %)	0.2	
National incidence of confirmed deaths per 100,000 population	0.29	
Number of cases** associated with clusters	2,232	32.33
Number of imported cases	9	0.13
Number of cases in healthcare workers	574	8.31
Males	3,335	48.31
Females	3,557	51.52
M:F ratio	0.94	
Median age (years)	36	
Mean age (years)	38	
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
28/10/2020 - 10/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:19 on 11/11/2020 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.

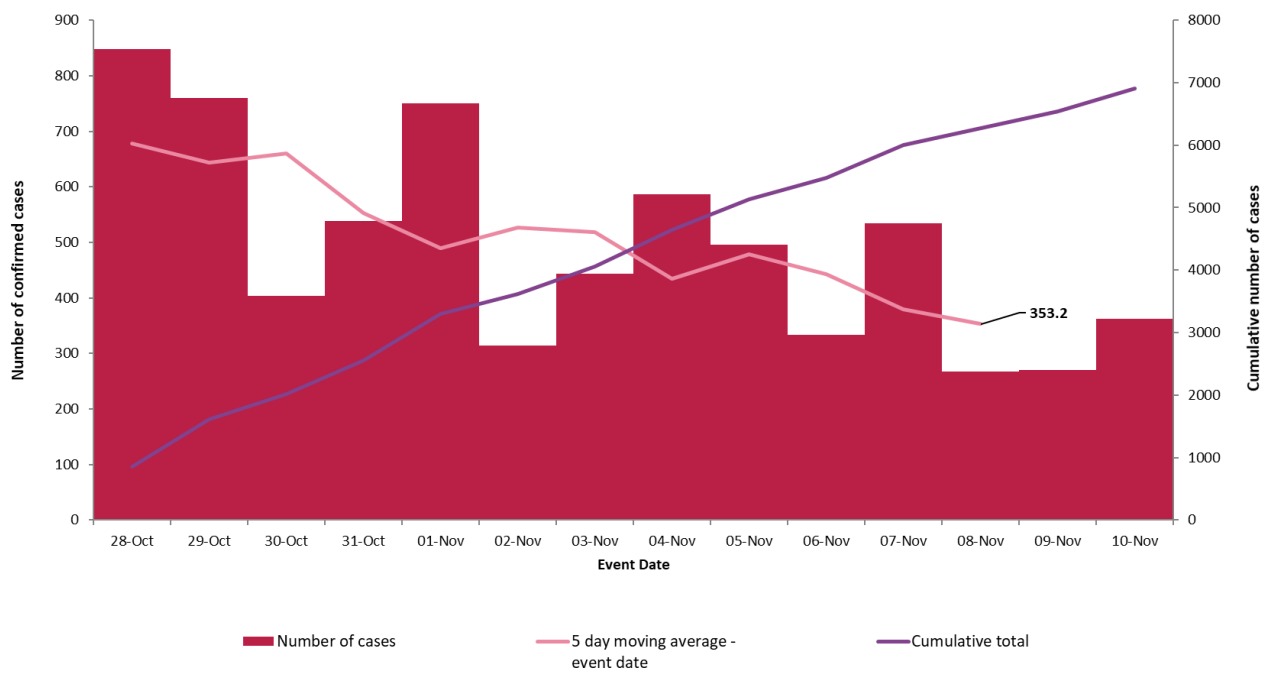


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 28/10/2020 to midnight 10/11/2020 (n=6,904)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 28/10/2020 up to midnight on 10/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,904	100
Sex	Male:Female ratio	0.94	
	Male	3,335	48.31
	Female	3,557	51.52
	Unknown	12	0.17
Age	Median age (years)	36	
	Mean age (years)	38	
	Age range (years)	0 - 103	
	0-4 yrs	285	4.13
	5-12 yrs	567	8.21
	13-18 yrs	562	8.14
	19-24 yrs	842	12.2
	25-34 yrs	1,081	15.66
	35-44 yrs	1,046	15.15
	45-54 yrs	1,005	14.56
	55-64 yrs	657	9.52
	65-74 yrs	421	6.1
	75-84 yrs	261	3.78
	85+ yrs	175	2.53
	Unknown	2	0.03
Underlying clinical conditions	Yes	1,105	16.01
	No	4,736	68.6
	Unknown	1,063	15.4
Symptom status at time of test*	Yes	3,893	56.39
	No	1,784	25.84
	Unknown	1,227	17.77

*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 28/10/2020 to midnight 10/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	771	197.0
CHO2	586	129.3
CHO3	648	168.3
CHO4	1002	145.1
CHO5	529	103.7
CHO6	387	101.0
CHO7	880	124.3
CHO8	958	154.7
CHO9	1143	183.9
Unknown	0	
Total	6,904	145.0

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 28/10/2020 to midnight 10/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	479	300.9
Limerick	392	201.1
Meath	336	172.3
Roscommon	109	168.9
Westmeath	144	162.2
Louth	203	157.5
Dublin	2083	154.6
Sligo	101	154.1
Mayo	198	151.7
Laois	125	147.6
Cork	793	146.1
Kerry	209	141.5
Longford	57	139.5
Waterford	158	136.0
Kilkenny	132	133.0
Cavan	101	132.6
Monaghan	77	125.4
Clare	146	122.9
Tipperary	188	117.8
Carlow	65	114.2
Offaly	88	112.9
Galway	279	108.1
Kildare	225	101.1
Wicklow	102	71.6
Wexford	101	67.5
Leitrim	13	40.6
Total	6,904	145.0

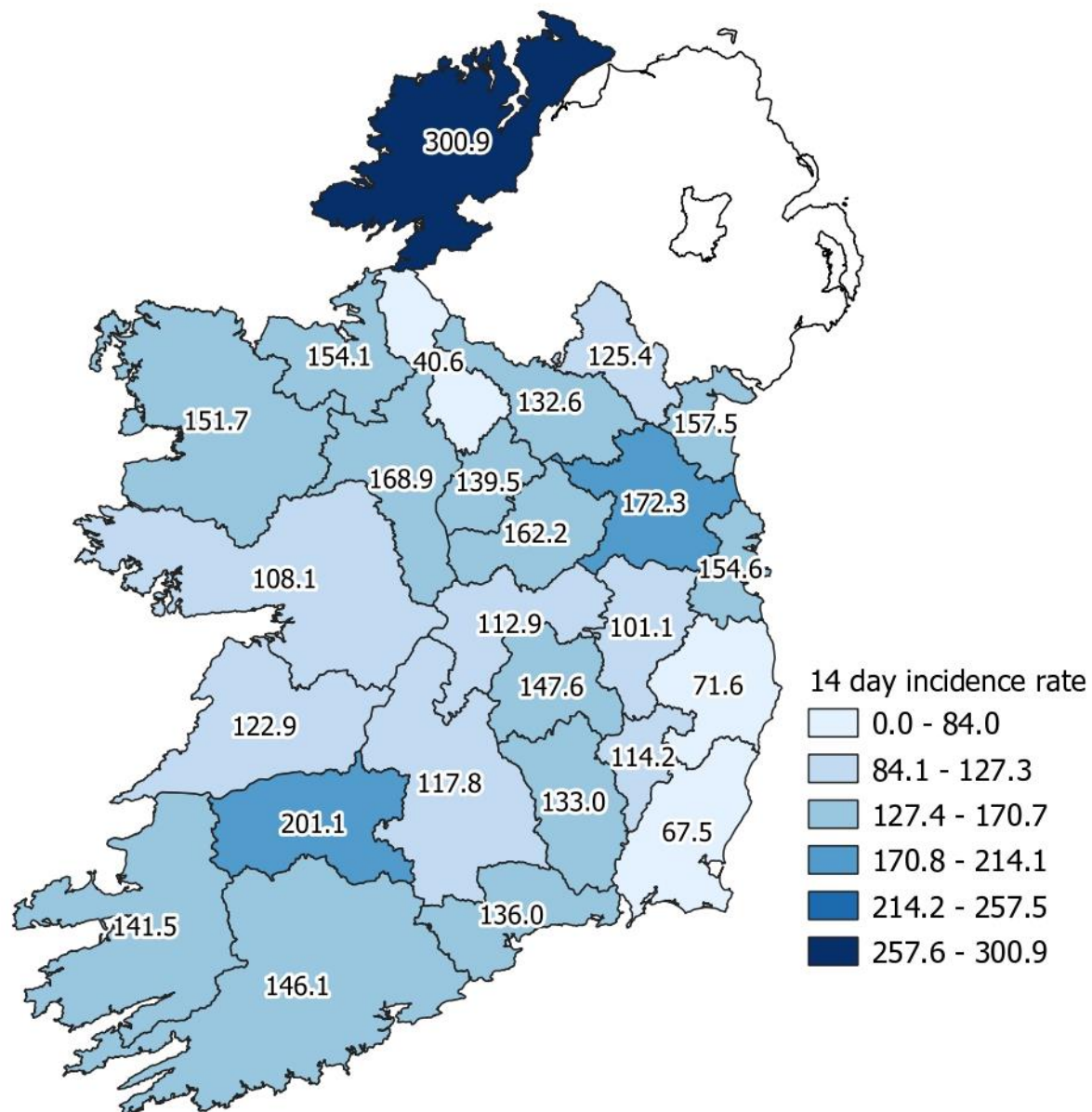


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 28/10/2020 and 10/11/2020

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 28/10/2020 and 10/11/2020

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	195	157.6
CCA3	Dublin South City	132	88.0
CCA4	Dublin South West	238	147.9
CCA5	Dublin West	283	182.2
CCA6	Dublin North West	435	209.5
CCA7	Dublin North Central	298	192.8
CCA8	Dublin North	410	158.2
	Unknown	0	
	Dublin	2,083	154.6

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 28/10/2020 to midnight 10/11/2020 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	285	6	1.57	0	0
5-12 yrs	567	5	1.31	0	0
13-18 yrs	562	6	1.57	0	0
19-24 yrs	842	10	2.62	2	8
25-34 yrs	1081	22	5.76	0	0
35-44 yrs	1046	35	9.16	2	8
45-54 yrs	1005	38	9.95	3	12
55-64 yrs	657	36	9.42	2	8
65-74 yrs	421	81	21.2	9	36
75-84 yrs	261	94	24.61	7	28
85+ yrs	175	49	12.83	0	0
Unknown	2			0	0
Total	6,904	382	100	25	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 11/11/2020. 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.