



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 08/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 25/10/2020 up to midnight 07/11/2020

	Number	Percent
Total number of confirmed cases	8,356	
National incidence of confirmed cases per 100,000 population	175.48	
Number of cases hospitalised*	367	4.39
Number of cases admitted to ICU*	22	0.26
Number of deaths among confirmed cases	9	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.19	
Number of cases** associated with clusters	1,979	23.68
Number of imported cases	9	0.11
Number of cases in healthcare workers	519	6.21
Males	3,994	47.8
Females	4,350	52.06
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
25/10/2020 - 07/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:22 on 08/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

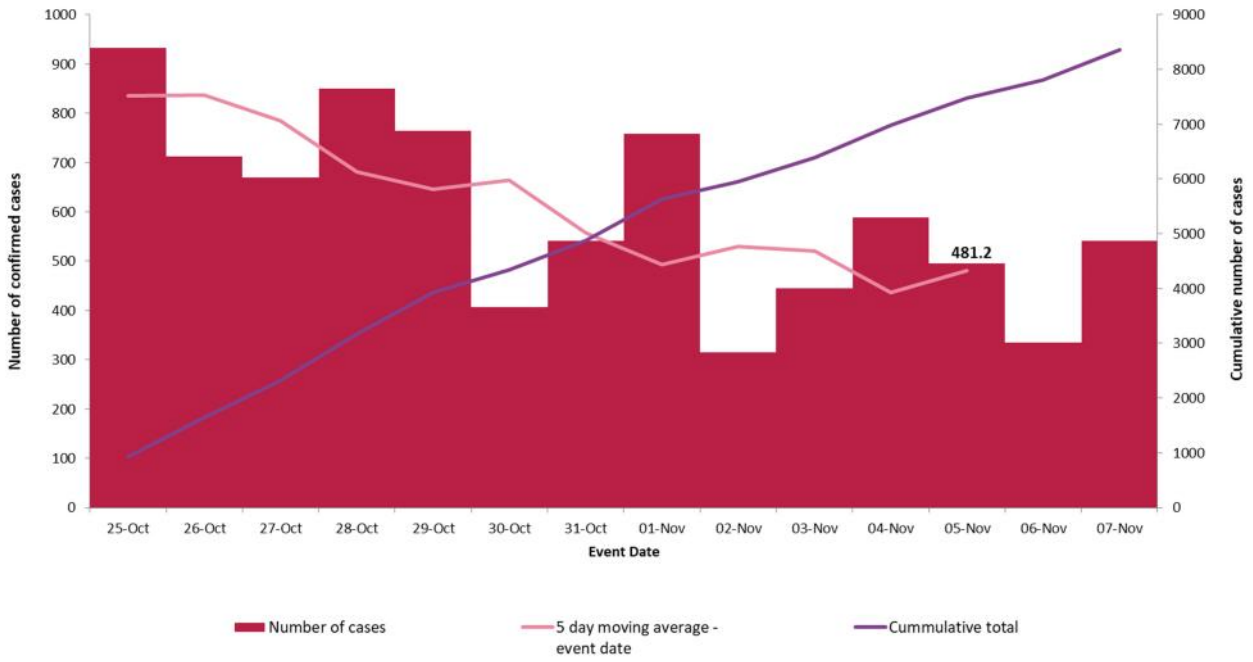


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 25/10/2020 to midnight 07/11/2020 (n=8,356)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 25/10/2020 up to midnight on 07/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		8,356	100
Sex	Male:Female ratio	0.92	
	Male	3,994	47.8
	Female	4,350	52.06
	Unknown	12	0.14
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 103	
	0-4 yrs	362	4.33
	5-12 yrs	687	8.22
	13-18 yrs	744	8.9
	19-24 yrs	1,048	12.54
	25-34 yrs	1,299	15.55
	35-44 yrs	1,240	14.84
	45-54 yrs	1,199	14.35
	55-64 yrs	815	9.75
	65-74 yrs	472	5.65
	75-84 yrs	300	3.59
	85+ yrs	188	2.25
	Unknown	2	0.02
Underlying clinical conditions	Yes	924	11.06
	No	5,941	71.1
	Unknown	1,491	17.84
Symptom status at time of test*	Yes	4,544	54.38
	No	2,132	25.51
	Unknown	1,680	20.11

*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 25/10/2020 to midnight 07/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1629	416.3
CHO2	978	215.8
CHO3	880	228.6
CHO4	1683	243.7
CHO5	833	163.2
CHO6	545	142.2
CHO7	1357	191.7
CHO8	1698	274.2
CHO9	1424	229.2
Unknown	0	
Ireland	8,356	175.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 25/10/2020 to midnight 07/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	97	170.4
Cavan	155	203.5
Clare	193	162.4
Cork	1074	197.8
Donegal	470	295.2
Dublin	2517	186.8
Galway	375	145.3
Kerry	241	163.2
Kildare	317	142.5
Kilkenny	140	141.1
Laois	142	167.7
Leitrim	11	34.3
Limerick	429	220.1
Longford	66	161.5
Louth	227	176.1
Mayo	226	173.2
Meath	474	243.0
Monaghan	90	146.6
Offaly	90	115.4
Roscommon	101	156.5
Sligo	122	186.2
Tipperary	198	124.1
Waterford	172	148.1
Westmeath	176	198.3
Wexford	125	83.5
Wicklow	128	89.9
Ireland	8,356	175.5

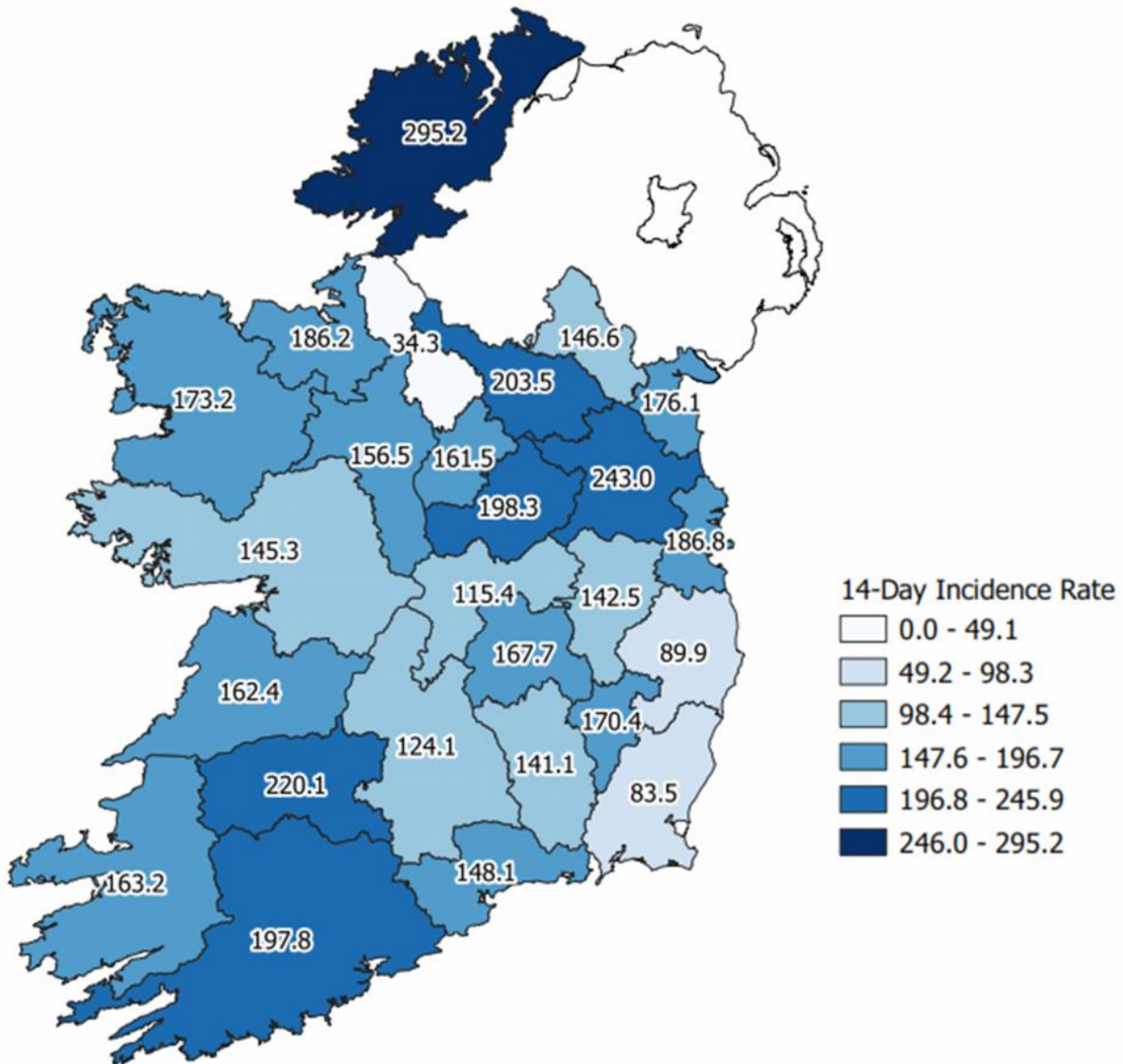


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 25/10/2020 and 07/11/2020

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 25/10/2020 and 07/11/2020

CCA	Local Health Office	Number of cases in past 14 days based on epi date	14 day incidence rates based on epi dates	Population (2016 Census)
CCA1	Dublin South	114	83.8	136,074
CCA2	Dublin South East	230	185.9	123,704
CCA3	Dublin South City	169	112.7	149,935
CCA4	Dublin South West	288	179.0	160,898
CCA5	Dublin West	342	220.2	155,343
CCA6	Dublin North West	537	258.6	207,670
CCA7	Dublin North Central	343	221.9	154,583
CCA8	Dublin North	494	190.6	259,152
	Dublin	2517	186.8	1,347,359

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 25/10/2020 to midnight 07/11/2020 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	362	5	1.36	0	0
5-12 yrs	687	8	2.18	0	0
13-18 yrs	744	5	1.36	0	0
19-24 yrs	1048	11	3	1	4.55
25-34 yrs	1299	23	6.27	0	0
35-44 yrs	1240	34	9.26	2	9.09
45-54 yrs	1199	41	11.17	4	18.18
55-64 yrs	815	35	9.54	2	9.09
65-74 yrs	472	73	19.89	9	40.91
75-84 yrs	300	84	22.89	3	13.64
85+ yrs	188	48	13.08	1	4.55
Unknown	2			0	0
Total	8,356	367	100	22	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 08/11/2020. 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.