



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 06/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 23/10/2020 up to midnight 05/11/2020

	Number	Percent
Total number of confirmed cases	9,351	
National incidence of confirmed cases per 100,000 population	196.37	
Number of cases hospitalised*	368	3.94
Number of cases admitted to ICU*	23	0.25
Number of deaths among confirmed cases	15	0.16
Case fatality ratio (CFR, %)	0.16	
National incidence of confirmed deaths per 100,000 population	0.32	
Number of cases** associated with clusters	2,187	23.39
Number of imported cases	10	0.11
Number of cases in healthcare workers	489	5.23
Males	4,479	47.9
Females	4,861	51.98
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
23/10/2020 - 05/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:19 on 06/11/2020 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.

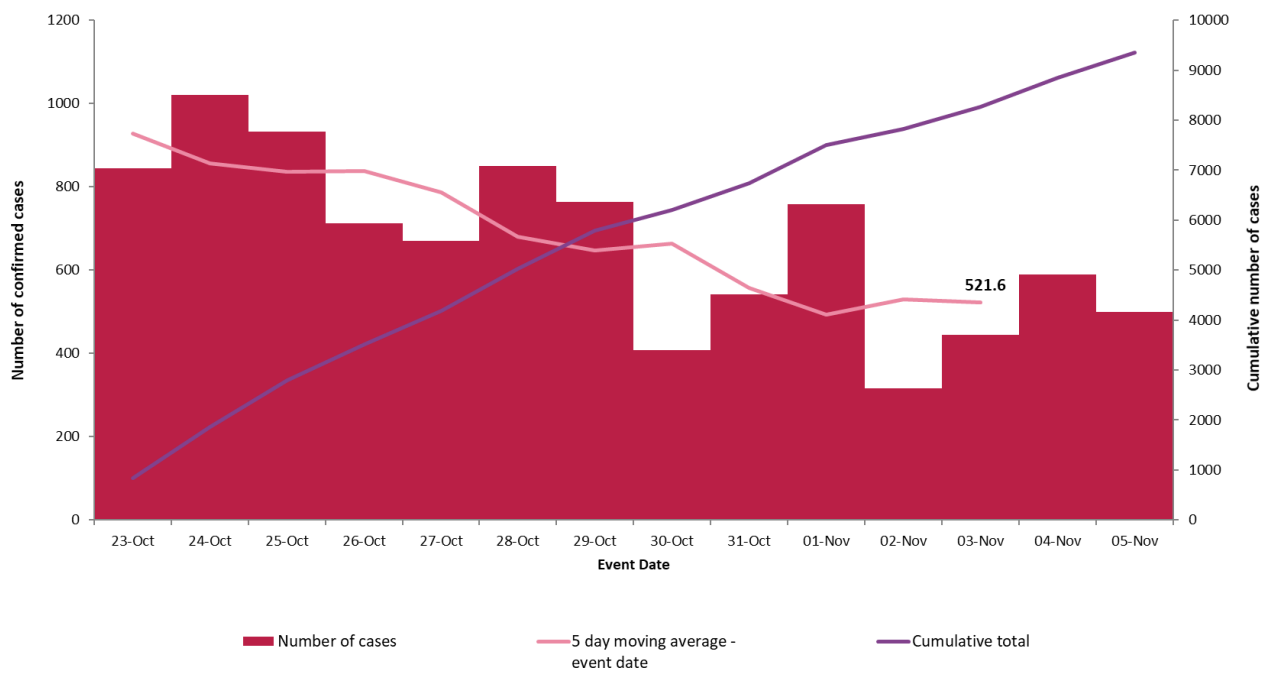


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 23/10/2020 to midnight 05/11/2020 (n=9,351)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 23/10/2020 up to midnight on 05/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		9,351	100
Sex	Male:Female ratio	0.92	
	Male	4,479	47.9
	Female	4,861	51.98
	Unknown	11	0.12
Age	Median age (years)	34	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	404	4.32
	5-12 yrs	787	8.42
	13-18 yrs	856	9.15
	19-24 yrs	1,250	13.37
	25-34 yrs	1,435	15.35
	35-44 yrs	1,347	14.4
	45-54 yrs	1,310	14.01
	55-64 yrs	938	10.03
	65-74 yrs	525	5.61
	75-84 yrs	314	3.36
	85+ yrs	183	1.96
	Unknown	2	0.02
Underlying clinical conditions	Yes	722	7.72
	No	6,831	73.05
	Unknown	1,798	19.23

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 23/10/2020 to midnight 05/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	937	239.5
CHO2	847	186.9
CHO3	785	203.9
CHO4	1590	230.2
CHO5	659	129.1
CHO6	472	123.2
CHO7	1249	176.5
CHO8	1318	212.8
CHO9	1494	240.4
Unknown	0	
Total	9,351	196.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 23/10/2020 to midnight 05/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	476	299.0
Meath	547	280.4
Cavan	199	261.2
Cork	1308	240.9
Limerick	441	226.3
Westmeath	197	221.9
Carlow	125	219.6
Sligo	142	216.7
Louth	260	201.7
Dublin	2709	201.1
Roscommon	124	192.1
Kerry	282	190.9
Galway	485	187.9
Mayo	238	182.4
Monaghan	110	179.2
Waterford	208	179.0
Clare	202	170.0
Kildare	376	169.0
Longford	69	168.8
Laois	142	167.7
Kilkenny	134	135.0
Tipperary	206	129.1
Offaly	87	111.6
Wexford	144	96.2
Wicklow	130	91.3
Leitrim	10	31.2
Total	9,351	196.4

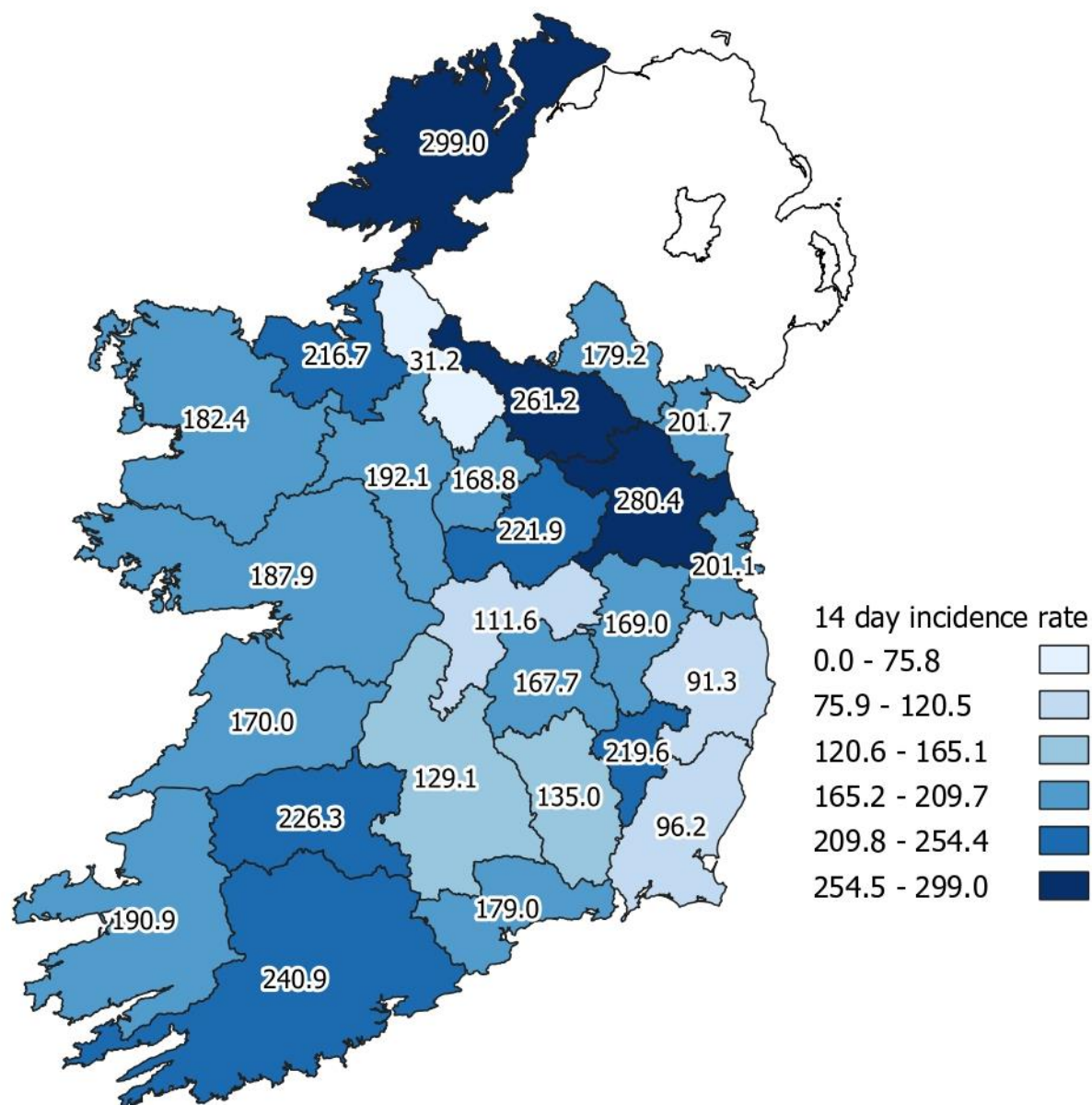


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 23/10/2020 and 05/11/2020

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 23/10/2020 and 05/11/2020

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	115	84.5
CCA2	Dublin South East	230	185.9
CCA3	Dublin South City	193	128.7
CCA4	Dublin South West	300	186.5
CCA5	Dublin West	377	242.7
CCA6	Dublin North West	576	277.4
CCA7	Dublin North Central	363	234.8
CCA8	Dublin North	555	214.2
Dublin		2,709	201.1

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 23/10/2020 to midnight 05/11/2020 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	404	5	1.36	0	0
5-12 yrs	787	8	2.17	0	0
13-18 yrs	856	6	1.63	0	0
19-24 yrs	1250	14	3.8	1	4.35
25-34 yrs	1435	20	5.43	0	0
35-44 yrs	1347	31	8.42	1	4.35
45-54 yrs	1310	39	10.6	5	21.74
55-64 yrs	938	35	9.51	2	8.7
65-74 yrs	525	77	20.92	9	39.13
75-84 yrs	314	92	25	4	17.39
85+ yrs	183	41	11.14	1	4.35
Unknown	2			0	0
Total	9,351	368	100	23	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 06/11/2020. 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.