



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 02/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 19/10/2020 up to midnight 01/11/2020

	Number	Percent
Total number of confirmed cases	11,808	
National incidence of confirmed cases per 100,000 population	247.97	
Number of cases hospitalised*	368	3.12
Number of cases admitted to ICU*	24	0.2
Number of deaths among confirmed cases	16	0.14
Case fatality ratio (CFR, %)	0.14	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	1,933	16.37
Males	5,728	48.51
Females	6,072	51.42
M:F ratio	0.94	
Median age (years)	33	
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
19/10/2020 - 01/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:32 on 02/11/2020 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.

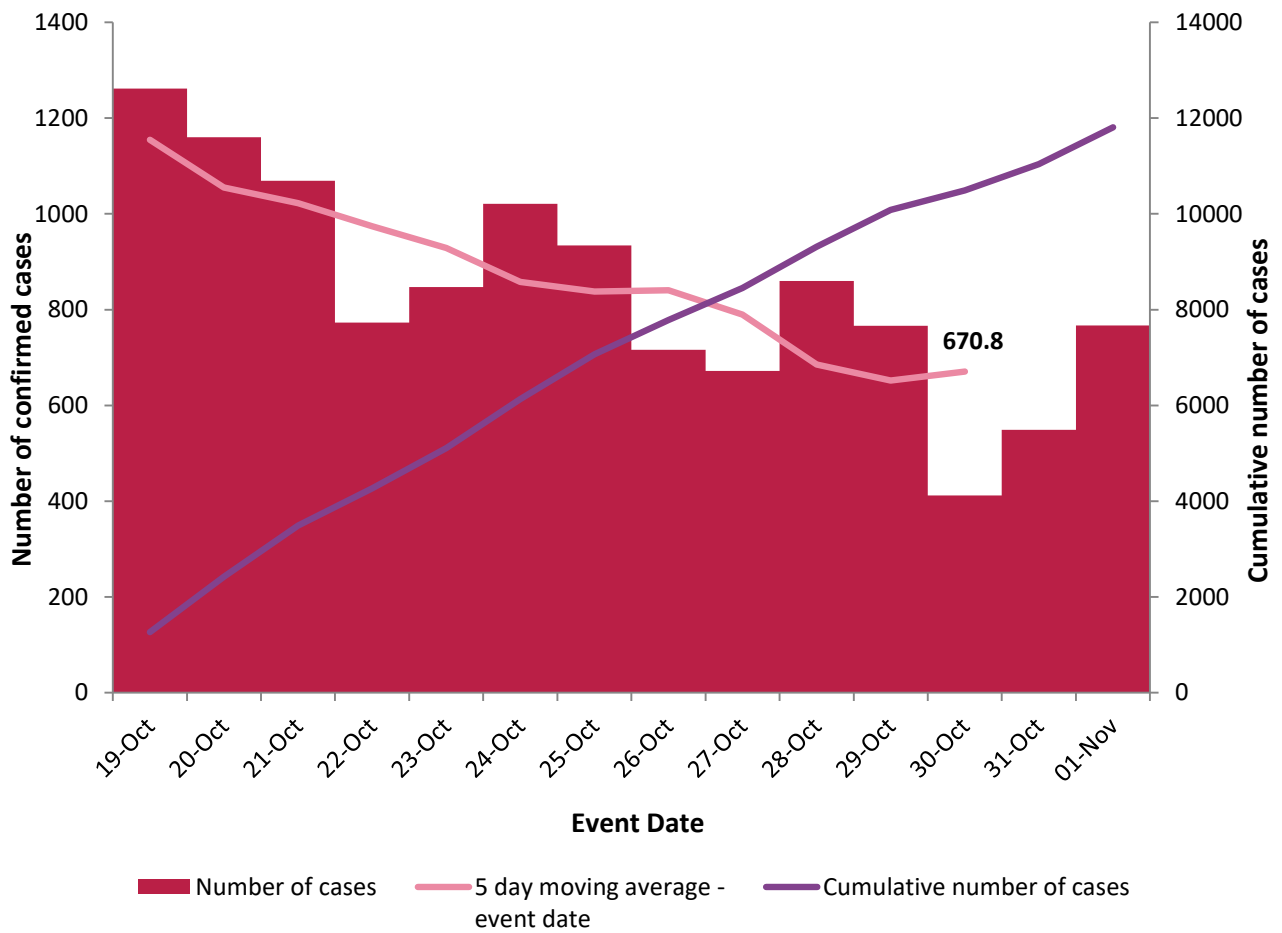


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=11,808)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 19/10/2020 up to midnight on 01/11/2020

Characteristic		Number of cases	Percent
Total number of confirmed cases		11,808	100
Sex	Male:Female ratio	0.94	
	Male	5,728	48.51
	Female	6,072	51.42
	Unknown	8	0.07
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	501	4.24
	5-12 yrs	943	7.99
	13-18 yrs	1,104	9.35
	19-24 yrs	1,801	15.25
	25-34 yrs	1,724	14.6
	35-44 yrs	1,647	13.95
	45-54 yrs	1,644	13.92
	55-64 yrs	1,235	10.46
	65-74 yrs	633	5.36
	75-84 yrs	353	2.99
	85+ yrs	221	1.87
	Unknown	2	0.02

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 19/10/2020 to midnight 01/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population	95% CI	
CHO1	1338	342.0	323.9	360.8
CHO2	1178	260.0	245.3	275.3
CHO3	905	235.1	220.0	250.9
CHO4	1803	261.1	249.2	273.4
CHO5	830	162.6	151.8	174.1
CHO6	576	150.3	138.3	163.1
CHO7	1486	210.0	199.4	220.9
CHO8	2013	325.1	311.0	339.6
CHO9	1676	269.7	257.0	282.9
Unknown	3			
Total	11,808	248.0	243.5	252.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 19/10/2020 to midnight 01/11/2020

County	Number of confirmed cases	Incidence per 100,000 population	95% CI	
Cavan	429	563.2	511.1	619.1
Meath	941	482.5	452.1	514.3
Sligo	218	332.6	290.0	379.9
Westmeath	275	309.8	274.3	348.7
Donegal	493	309.7	283.0	338.3
Louth	385	298.7	269.6	330.1
Galway	731	283.3	263.1	304.6
Cork	1510	278.2	264.3	292.5
Carlow	157	275.8	234.3	322.4
Monaghan	168	273.7	233.9	318.3
Limerick	512	262.7	240.4	286.5
Kildare	514	231.0	211.5	251.9
Mayo	300	229.9	204.6	257.4
Roscommon	147	227.8	192.4	267.7
Longford	93	227.5	183.6	278.7
Dublin	3061	227.2	219.1	235.2
Clare	250	210.4	185.1	238.2
Laois	171	201.9	172.8	234.5
Waterford	234	201.4	176.4	228.9
Kerry	295	199.7	177.6	223.9
Wexford	256	171.0	150.7	193.3
Offaly	124	159.1	132.3	189.6
Kilkenny	141	142.1	119.6	167.6
Tipperary	208	130.4	113.2	149.3
Wicklow	164	115.1	98.2	134.2
Leitrim	31	96.7	65.7	137.3
Total	11,808	248.0	243.5	252.4

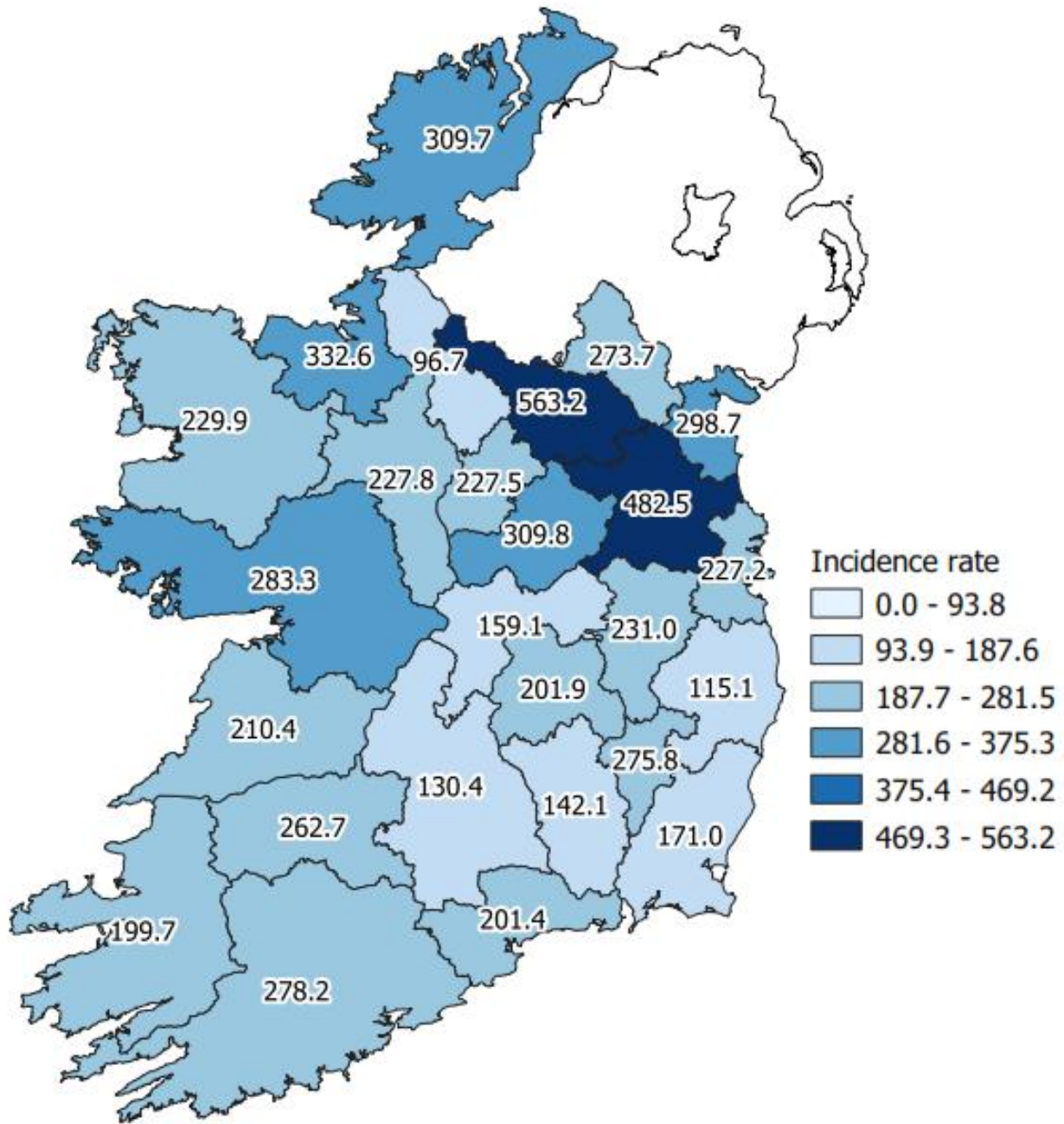


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 19/10/2020 and 01/11/2020

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 19/10/2020 and 01/11/2020

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	144	105.8
CCA2	Dublin South East	274	221.5
CCA3	Dublin South City	213	142.1
CCA4	Dublin South West	335	208.2
CCA5	Dublin West	418	269.1
CCA6	Dublin North West	655	315.4
CCA7	Dublin North Central	417	269.8
CCA8	Dublin North	604	233.1
	Unknown	1	
	Dublin	3061	227.2

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 19/10/2020 to midnight 01/11/2020 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	501	4	1.09	0	0
5-12 yrs	943	6	1.63	0	0
13-18 yrs	1104	7	1.9	0	0
19-24 yrs	1801	10	2.72	0	0
25-34 yrs	1724	20	5.43	0	0
35-44 yrs	1647	32	8.7	0	0
45-54 yrs	1644	36	9.78	3	12.5
55-64 yrs	1235	53	14.4	3	12.5
65-74 yrs	633	71	19.29	12	50
75-84 yrs	353	85	23.1	6	25
85+ yrs	221	44	11.96	0	0
Unknown	2			0	0
Total	11,808	368	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 11:32 on 02/11/2020. 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.