



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 05/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/10/2020 up to midnight 04/11/2020

	Number	Percent
Total number of confirmed cases	9,625	
National incidence of confirmed cases per 100,000 population	202.13	
Number of cases hospitalised*	366	3.8
Number of cases admitted to ICU*	22	0.23
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	2,154	22.38
Number of imported cases	8	0.08
Number of cases in healthcare workers	471	4.89
Males	4,667	48.49
Females	4,951	51.44
M:F ratio	0.94	
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
22/10/2020 - 04/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:37 on 05/11/2020 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.

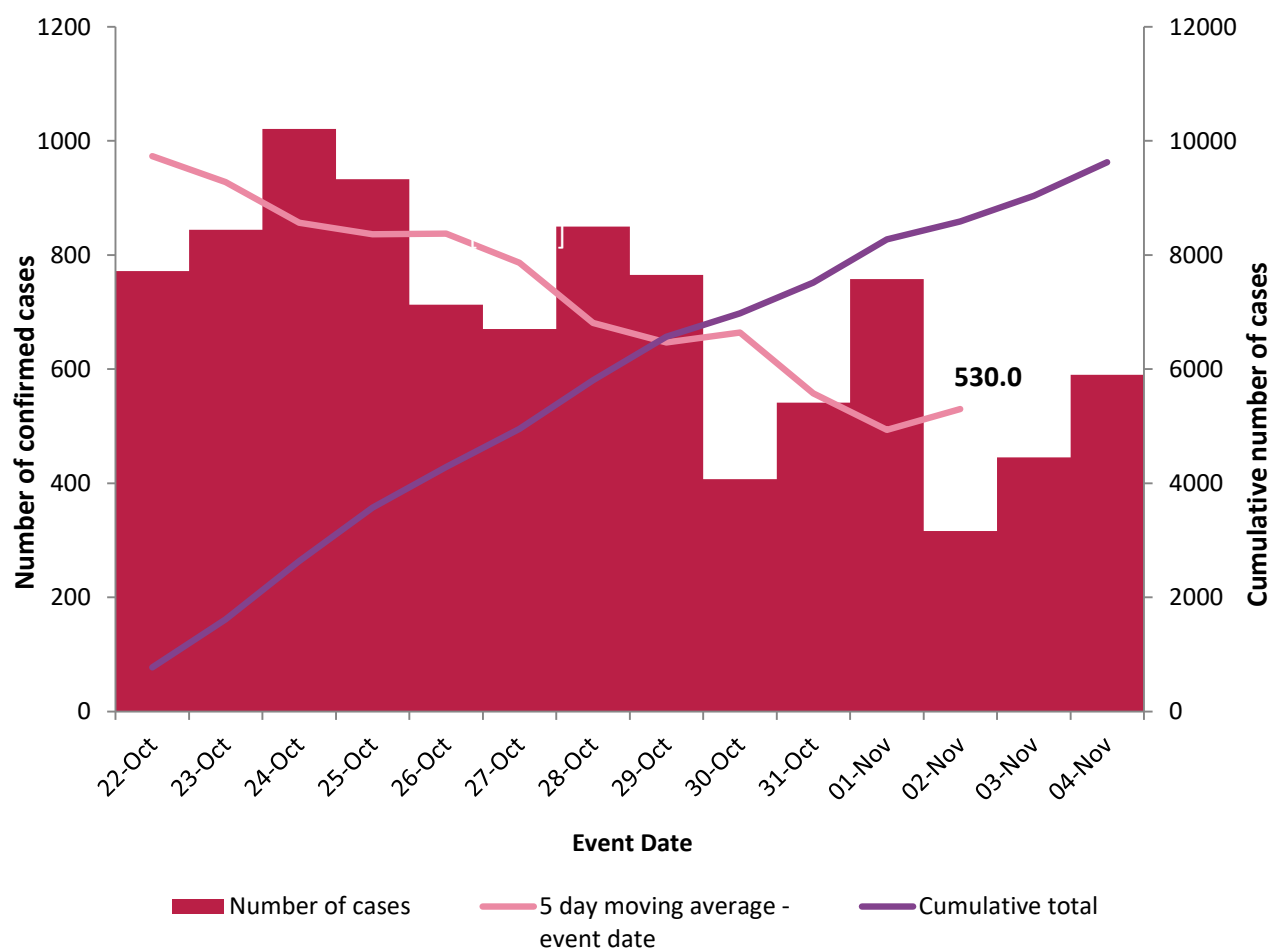


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 22/10/2020 to midnight 04/11/2020 (n=9,625)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 22/10/2020 up to midnight on 04/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		9,625	100
Sex	Male:Female ratio	0.94	
	Male	4,667	48.49
	Female	4,951	51.44
	Unknown	7	0.07
Age	Median age (years)	34	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	414	4.3
	5-12 yrs	792	8.23
	13-18 yrs	889	9.24
	19-24 yrs	1,323	13.75
	25-34 yrs	1,446	15.02
	35-44 yrs	1,392	14.46
	45-54 yrs	1,357	14.1
	55-64 yrs	993	10.32
	65-74 yrs	527	5.48
	75-84 yrs	314	3.26
	85+ yrs	176	1.83
	Unknown	2	0.02
Underlying clinical conditions	Yes	618	6.42
	No	7,072	73.48
	Unknown	1,935	20.1

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 22/10/2020 to midnight 04/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population	95% CI	
CHO1	997	254.8	239.2	271.1
CHO2	911	201.1	188.2	214.5
CHO3	811	210.7	196.4	225.7
CHO4	1563	226.3	215.3	237.8
CHO5	712	139.5	129.5	150.2
CHO6	505	131.8	120.5	143.8
CHO7	1260	178.0	168.3	188.1
CHO8	1371	221.4	209.8	233.4
CHO9	1495	240.6	228.5	253.1
Unknown	0			
Total	9,625	202.1	198.1	206.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 22/10/2020 to midnight 04/11/2020

County	Number of confirmed cases	Incidence per 100,000 population	95% CI	
Donegal	478	300.3	273.9	328.4
Cavan	224	294.1	256.8	335.2
Meath	569	291.7	268.2	316.7
Sligo	168	256.4	219.1	298.2
Westmeath	225	253.5	221.4	288.8
Cork	1276	235.0	222.3	248.3
Limerick	448	229.9	209.1	252.2
Carlow	124	217.8	181.2	259.7
Galway	546	211.6	194.2	230.1
Dublin	2715	201.5	194.0	209.2
Roscommon	128	198.3	165.4	235.8
Longford	81	198.2	157.4	246.3
Kerry	287	194.3	172.5	218.1
Louth	249	193.2	169.9	218.7
Waterford	219	188.5	164.4	215.2
Clare	217	182.6	159.1	208.6
Mayo	237	181.6	159.2	206.3
Monaghan	109	177.6	145.8	214.2
Kildare	393	176.6	159.6	195.0
Laois	142	167.7	141.2	197.6
Kilkenny	133	134.0	112.2	158.8
Tipperary	211	132.2	115.0	151.3
Wexford	188	125.6	108.3	144.9
Offaly	88	112.9	90.5	139.1
Wicklow	152	106.7	90.4	125.1
Leitrim	18	56.2	33.3	88.8
Total	9,625	202.1	198.1	206.2

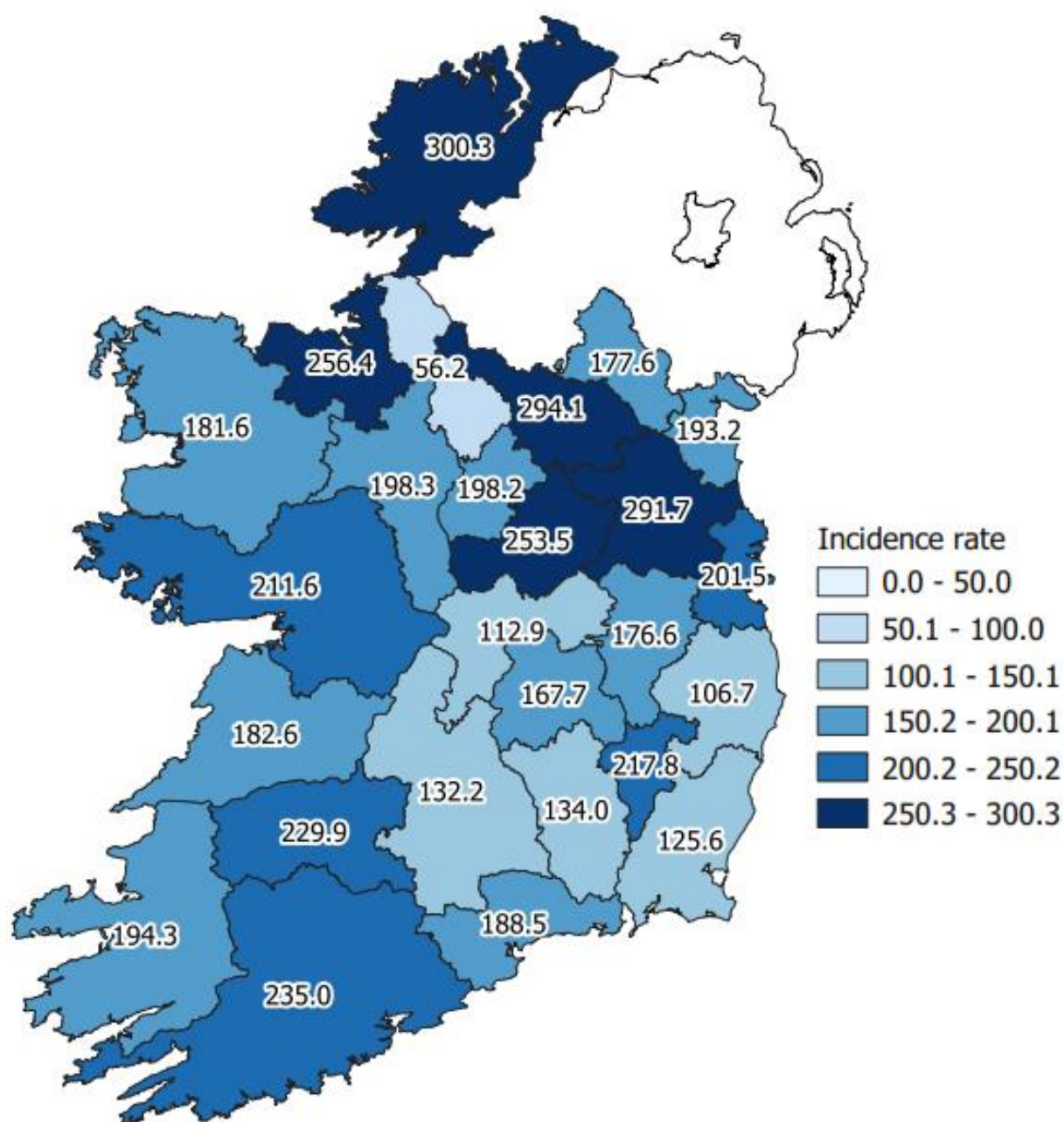


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 22/10/2020 and 04/11/2020

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 22/10/2020 and 04/11/2020

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	116	85.2
CCA2	Dublin South East	241	194.8
CCA3	Dublin South City	187	124.7
CCA4	Dublin South West	294	182.7
CCA5	Dublin West	382	245.9
CCA6	Dublin North West	578	278.3
CCA7	Dublin North Central	365	236.1
CCA8	Dublin North	552	213.0
Dublin		2715	201.5

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 22/10/2020 to midnight 04/11/2020 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	414	5	1.37	0	0
5-12 yrs	792	8	2.19	0	0
13-18 yrs	889	7	1.91	0	0
19-24 yrs	1323	11	3.01	1	4.55
25-34 yrs	1446	18	4.92	0	0
35-44 yrs	1392	28	7.65	0	0
45-54 yrs	1357	38	10.38	4	18.18
55-64 yrs	993	36	9.84	2	9.09
65-74 yrs	527	79	21.58	10	45.45
75-84 yrs	314	94	25.68	4	18.18
85+ yrs	176	42	11.48	1	4.55
Unknown	2			0	0
Total	9,625	366	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 11:37 on 05/11/2020. 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.