



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 03/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 20/10/2020 up to midnight 02/11/2020

	Number	Percent
Total number of confirmed cases	10,855	
National incidence of confirmed cases per 100,000 population	227.96	
Number of cases hospitalised*	370	3.41
Number of cases admitted to ICU*	27	0.25
Number of deaths among confirmed cases	18	0.17
Case fatality ratio (CFR, %)	0.17	
National incidence of confirmed deaths per 100,000 population	0.38	
Number of cases** associated with clusters	2,041	18.8
Males	5,269	48.54
Females	5,579	51.4
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
20/10/2020 - 02/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:28 on 03/11/2020 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.

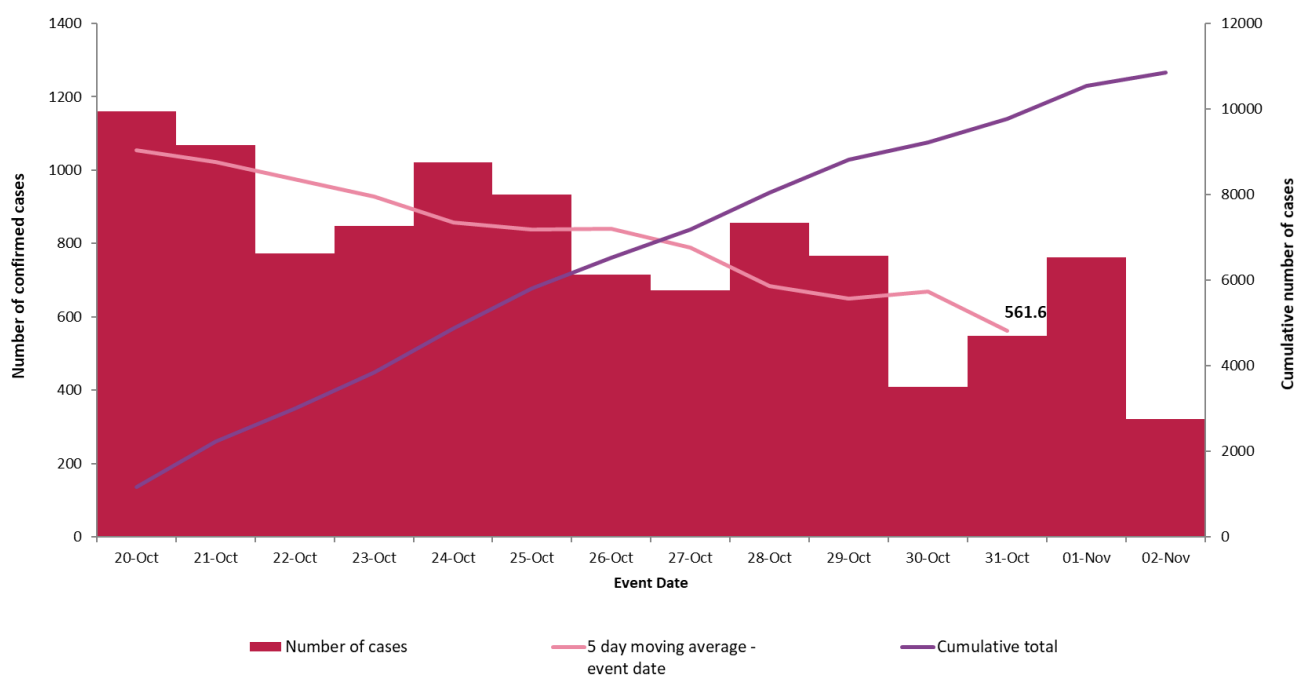


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 20/10/2020 to midnight 02/11/2020 (n=10,855)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 20/10/2020 up to midnight on 02/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		10,855	100
Sex	Male:Female ratio	0.94	
	Male	5,269	48.54
	Female	5,579	51.4
	Unknown	7	0.06
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	469	4.32
	5-12 yrs	888	8.18
	13-18 yrs	1,020	9.4
	19-24 yrs	1,593	14.68
	25-34 yrs	1,614	14.87
	35-44 yrs	1,544	14.22
	45-54 yrs	1,504	13.86
	55-64 yrs	1,092	10.06
	65-74 yrs	586	5.4
	75-84 yrs	333	3.07
	85+ yrs	208	1.92
	Unknown	4	0.04

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 20/10/2020 to midnight 02/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population	95% CI	
CHO1	1210	309.2	292.1	327.2
CHO2	1091	240.8	226.7	255.5
CHO3	815	211.7	197.4	226.7
CHO4	1685	244.0	232.5	255.9
CHO5	761	149.1	138.7	160.1
CHO6	550	143.5	131.8	156.1
CHO7	1408	199.0	188.7	209.6
CHO8	1715	276.9	264.0	290.4
CHO9	1619	260.5	248.0	273.5
Unknown	1			
Total	10,855	228.0	223.7	232.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 20/10/2020 to midnight 02/11/2020

County	Number of confirmed cases	Incidence per 100,000 population	95% CI	
Cavan	362	475.2	427.5	526.8
Meath	742	380.4	353.5	408.8
Westmeath	272	306.4	271.1	345.1
Donegal	487	305.9	279.3	334.3
Sligo	198	302.1	261.5	347.3
Cork	1410	259.7	246.3	273.7
Galway	663	256.9	237.7	277.2
Louth	331	256.8	229.9	286.0
Carlow	144	252.9	213.3	297.8
Roscommon	148	229.3	193.8	269.4
Limerick	445	228.3	207.6	250.6
Monaghan	136	221.5	185.9	262.1
Dublin	2957	219.5	211.6	227.5
Mayo	280	214.5	190.2	241.2
Kildare	469	210.8	192.1	230.8
Waterford	228	196.3	171.6	223.4
Longford	80	195.7	155.2	243.6
Laois	165	194.8	166.2	226.9
Clare	226	190.2	166.2	216.7
Kerry	275	186.2	164.8	209.5
Wexford	210	140.3	121.9	160.6
Offaly	106	136.0	111.3	164.4
Kilkenny	133	134.0	112.2	158.8
Tipperary	209	131.0	113.8	150.0
Wicklow	152	106.7	90.4	125.1
Leitrim	27	84.3	55.5	122.6
Total	10,855	228.0	223.7	232.2

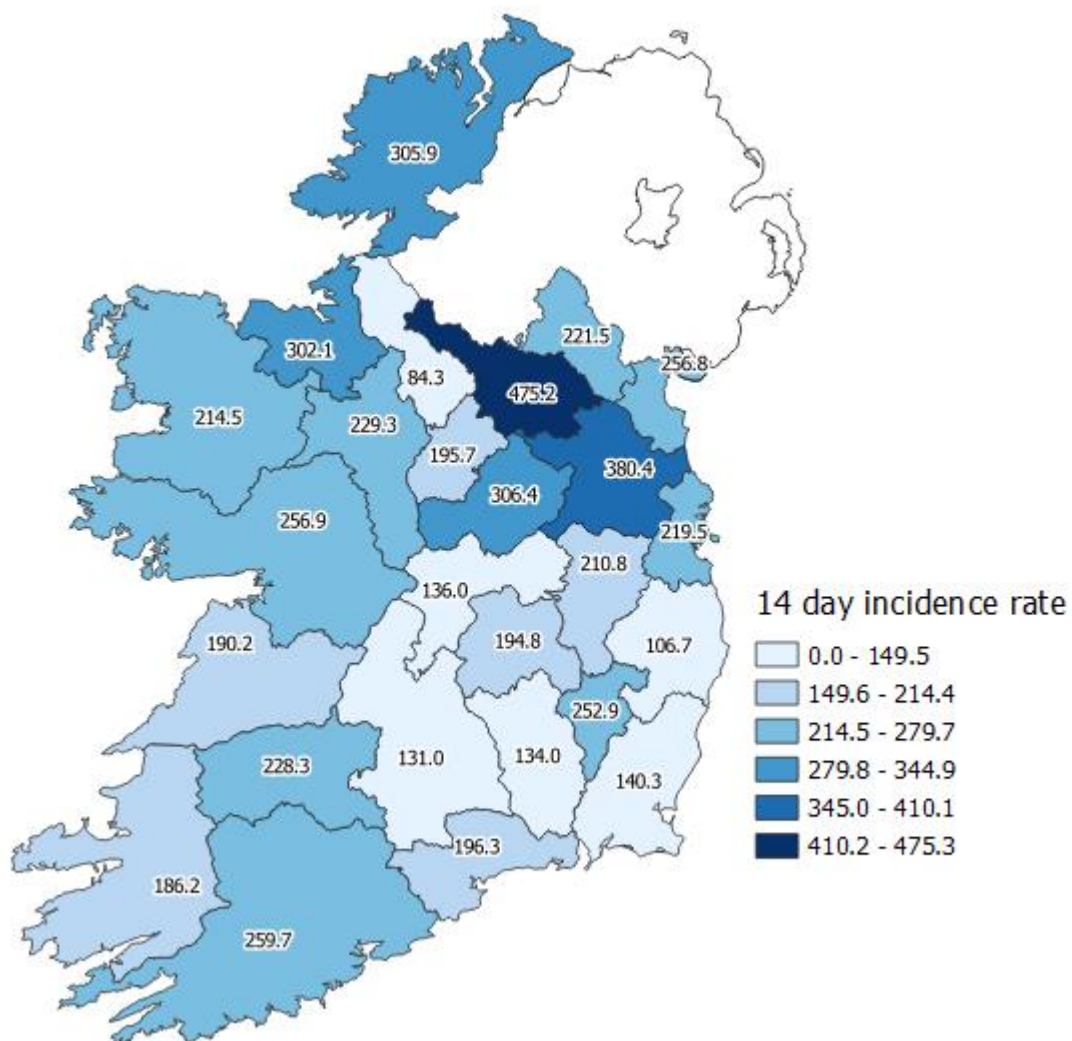


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 20/10/2020 and 02/11/2020

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 20/10/2020 and 02/11/2020

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	142	104.4
CCA2	Dublin South East	260	210.2
CCA3	Dublin South City	206	137.4
CCA4	Dublin South West	328	203.9
CCA5	Dublin West	401	258.1
CCA6	Dublin North West	630	303.4
CCA7	Dublin North Central	395	255.5
CCA8	Dublin North	594	229.2
	Unknown	1	
	Dublin	2957	219.5

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 20/10/2020 to midnight 02/11/2020 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	469	2	0.54	0	0
5-12 yrs	888	8	2.16	0	0
13-18 yrs	1020	7	1.89	0	0
19-24 yrs	1593	11	2.97	0	0
25-34 yrs	1614	18	4.86	0	0
35-44 yrs	1544	33	8.92	0	0
45-54 yrs	1504	38	10.27	3	11.11
55-64 yrs	1092	48	12.97	5	18.52
65-74 yrs	586	77	20.81	13	48.15
75-84 yrs	333	82	22.16	5	18.52
85+ yrs	208	46	12.43	1	3.7
Unknown	4			0	0
Total	10,855	370	100	27	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 11:28 on 03/11/2020. 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.