



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 28/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 14/10/2020 up to midnight 27/10/2020

	Number	Percent
Total number of confirmed cases	14,239	
National incidence of confirmed cases per 100,000 population	299.02	
Number of cases hospitalised*	355	2.49
Number of cases admitted to ICU*	23	0.16
Number of deaths among confirmed cases	13	0.09
Case fatality ratio (CFR, %)	0.09	
National incidence of confirmed deaths per 100,000 population	0.27	
Number of cases** associated with clusters	2,727	19.15
Males	7,002	49.17
Females	7,232	50.79
M:F ratio	0.97	
Median age (years)	32	
Mean age (years)	35	
Age range (years)	0 - 102	

* 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 14/10/2020 - 27/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:29 on 28/10/2020 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.

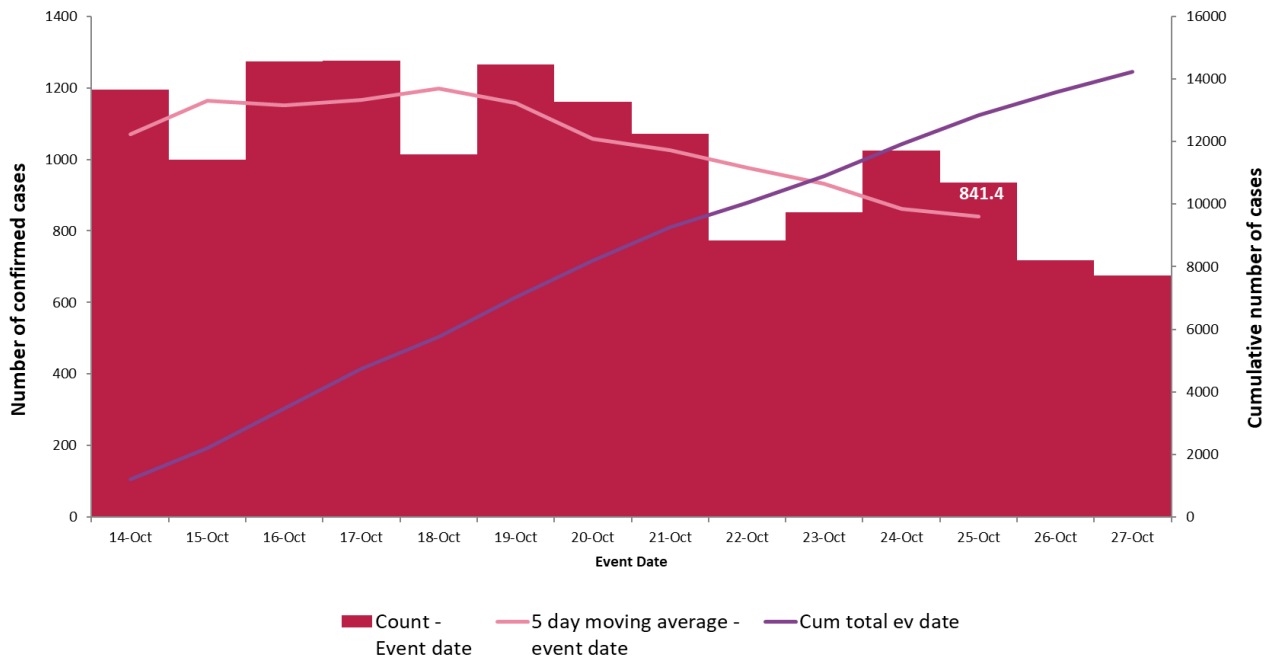


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=14,239)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 14/10/2020 up to midnight on 27/10/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		14,239	100
Sex	Male:Female ratio	0.97	
	Male	7,002	49.17
	Female	7,232	50.79
	Unknown	5	0.04
Age	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 102	
	0-4 yrs	545	3.83
	5-14 yrs	1,384	9.72
	15-24 yrs	3,478	24.43
	25-34 yrs	2,172	15.25
	35-44 yrs	1,981	13.91
	45-54 yrs	1,916	13.46
	55-64 yrs	1,488	10.45
	65-74 yrs	695	4.88
	75-84 yrs	360	2.53
	85+ yrs	217	1.52
	Unknown	3	0.02

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 14/10/2020 to midnight 27/10/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population	95% CI	
CHO1	1655	423.0	402.8	443.9
CHO2	1460	322.2	305.9	339.2
CHO3	1030	267.5	251.4	284.4
CHO4	2226	322.3	309.1	336.0
CHO5	1069	209.5	197.1	222.4
CHO6	719	187.6	174.2	201.9
CHO7	1758	248.4	236.9	260.3
CHO8	2486	401.4	385.8	417.5
CHO9	1835	295.3	281.9	309.1
Unknown	1			
Total	14,239	299.0	294.1	303.9

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 14/10/2020 to midnight 27/10/2020

County	Number of confirmed cases	Incidence per 100,000 population	95% CI	
Cavan	618	811.3	748.6	877.8
Meath	1166	597.8	564.0	633.1
Westmeath	402	452.9	409.7	499.4
Sligo	279	425.7	377.2	478.7
Galway	957	370.8	347.7	395.1
Cork	1808	333.0	317.9	348.8
Carlow	184	323.2	278.2	373.4
Monaghan	198	322.5	279.2	370.7
Donegal	498	312.8	286.0	341.6
Limerick	605	310.4	286.2	336.2
Longford	126	308.3	256.8	367.0
Kildare	645	289.9	267.9	313.1
Louth	371	287.9	259.3	318.7
Kerry	418	283.0	256.5	311.5
Roscommon	167	258.7	221.0	301.1
Mayo	336	257.5	230.7	286.5
Wexford	385	257.1	232.1	284.2
Dublin	3461	256.9	248.3	265.4
Laois	216	255.0	222.1	291.4
Clare	296	249.1	221.5	279.2
Offaly	178	228.3	196.0	264.4
Waterford	261	224.7	198.2	253.6
Leitrim	63	196.6	151.1	251.5
Kilkenny	172	173.3	148.4	201.3
Wicklow	207	145.3	126.2	166.5
Tipperary	222	139.1	121.4	158.7
Total	14,239	299.0	294.1	303.9

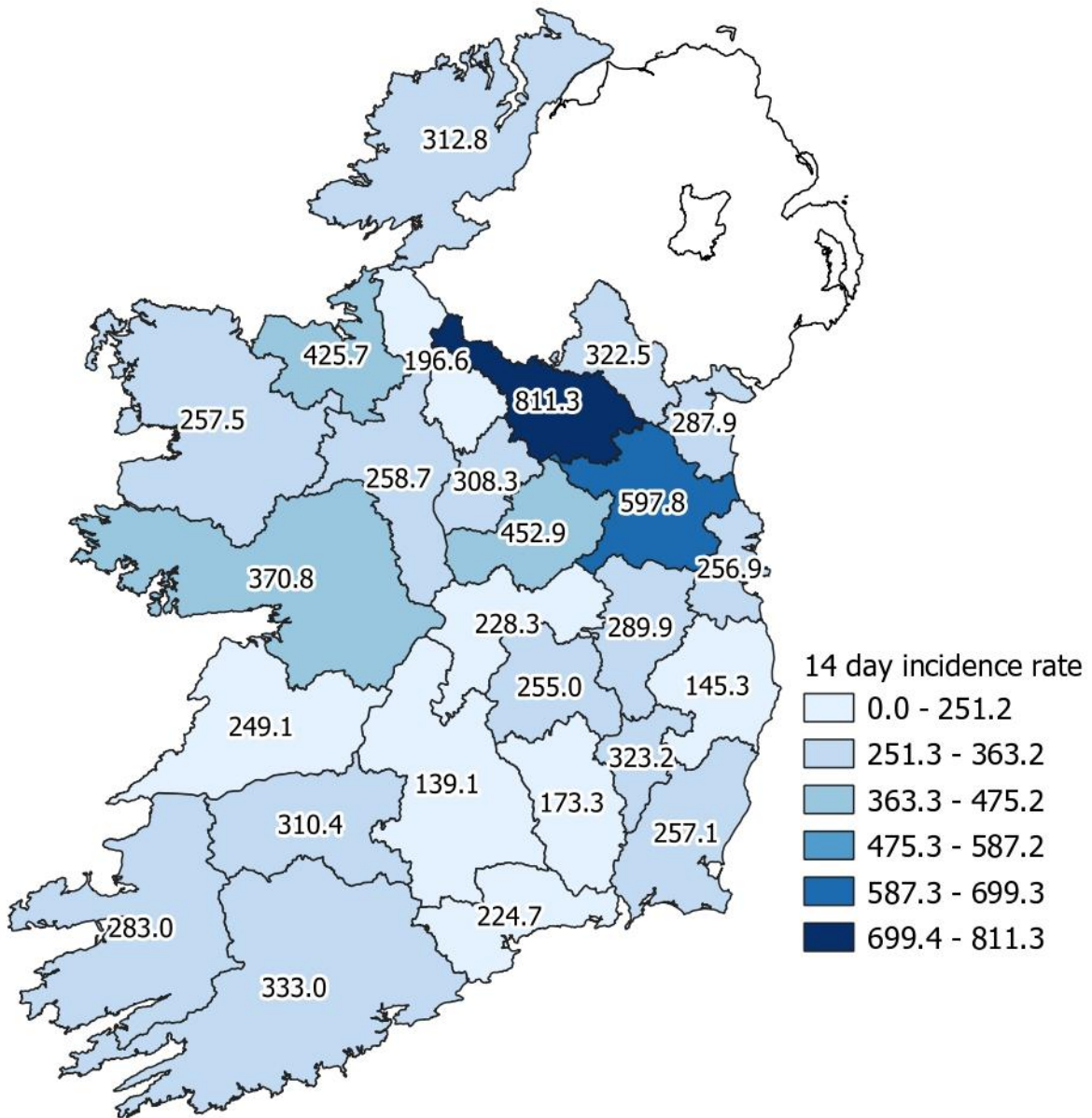


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 14/10/2020 to midnight 27/10/2020

Please do not directly compare county shades to previous maps. The numbers of cases by county 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 14/10/2020 and 27/10/2020

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	173	127.1
CCA2	Dublin South East	344	278.1
CCA3	Dublin South City	268	178.7
CCA4	Dublin South West	333	207.0
CCA5	Dublin West	507	326.4
CCA6	Dublin North West	795	382.8
CCA7	Dublin North Central	449	290.5
CCA8	Dublin North	591	228.1
	Unknown	1	
	Dublin	3,461	256.9

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 14/10/2020 to midnight 27/10/2020 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	545	3	0.85	0	0
5-14 yrs	1384	12	3.38	1	4.35
15-24 yrs	3478	15	4.23	0	0
25-34 yrs	2172	20	5.63	0	0
35-44 yrs	1981	31	8.73	1	4.35
45-54 yrs	1916	36	10.14	3	13.04
55-64 yrs	1488	50	14.08	4	17.39
65-74 yrs	695	65	18.31	9	39.13
75-84 yrs	360	77	21.69	5	21.74
85+ yrs	217	46	12.96	0	0
Unknown	3			0	0
Total	14,239	355	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 11:29 on 28/10/2020. 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 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. 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.