



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 24/10/2020

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

	Number	Percent
Total number of confirmed cases	14,424	
National incidence of confirmed cases per 100,000 population	302.91	
Number of cases hospitalised*	369	2.56
Number of cases admitted to ICU*	20	0.14
Number of deaths among confirmed cases	19	0.13
Case fatality ratio (CFR, %)	0.13	
National incidence of confirmed deaths per 100,000 population	0.4	
Number of cases** associated with clusters	3,587	24.87
Males	7,208	49.97
Females	7,205	49.95
M:F ratio	1	
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 10/10/2020 - 23/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:26 on 24/10/2020 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 producing an abridged version of the 14 day report at the moment.

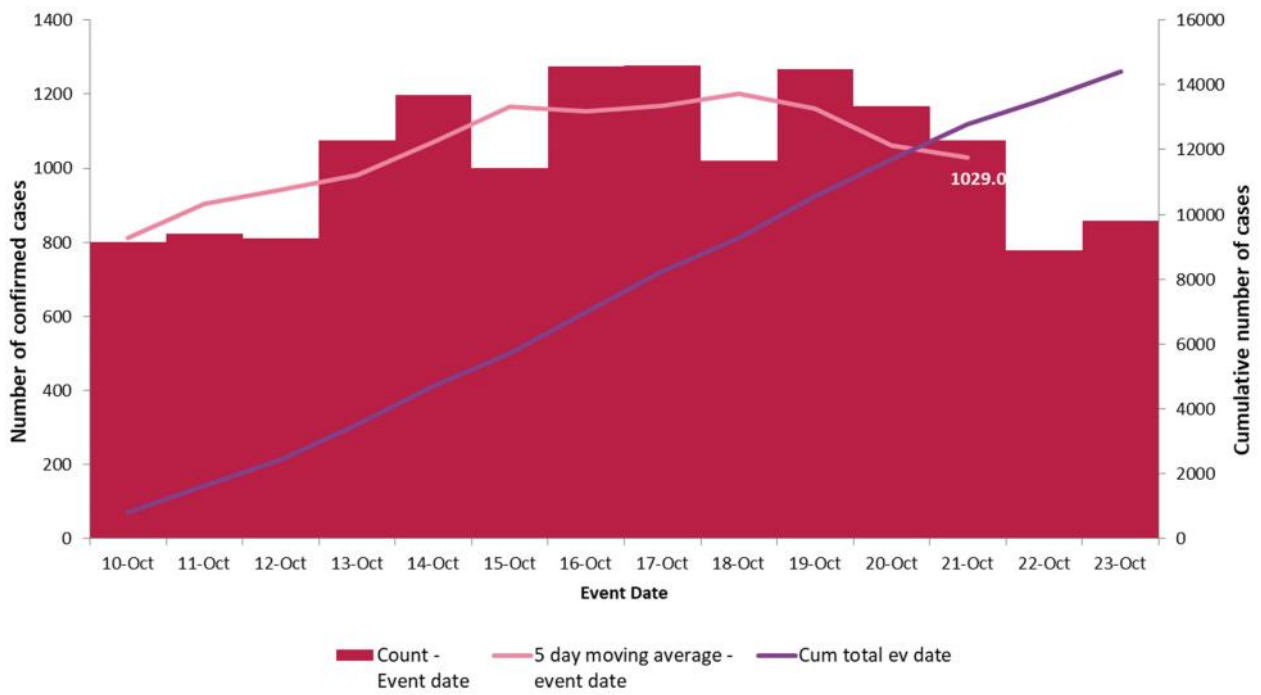


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=14,423)

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

Characteristic		Number of cases	Percent
Total number of confirmed cases		14,424	100
Sex	Male:Female ratio	1	
	Male	7,208	49.97
	Female	7,205	49.95
	Unknown	11	0.08
Age	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 102	
	0-4 yrs	479	3.32
	5-14 yrs	1,254	8.69
	15-24 yrs	3,735	25.89
	25-34 yrs	2,324	16.11
	35-44 yrs	1,979	13.72
	45-54 yrs	1,894	13.13
	55-64 yrs	1,482	10.27
	65-74 yrs	708	4.91
	75-84 yrs	354	2.45
	85+ yrs	211	1.46
	Unknown	4	0.03

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

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1856	474.3
CHO2	1444	318.7
CHO3	985	255.8
CHO4	2211	320.2
CHO5	1120	219.5
CHO6	692	180.6
CHO7	1774	250.7
CHO8	2513	405.8
CHO9	1826	293.9
Unknown	2	
Total	14,423	302.9

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

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	748	981.9
Meath	1273	652.7
Westmeath	398	448.3
Sligo	270	412.0
Monaghan	236	384.5
Galway	952	368.9
Cork	1813	334.0
Donegal	520	326.6
Wexford	476	317.9
Kildare	667	299.8
Longford	121	296.0
Limerick	568	291.4
Clare	324	272.7
Louth	350	271.6
Carlow	154	270.5
Kerry	398	269.5
Leitrim	83	259.0
Roscommon	166	257.2
Dublin	3423	254.1
Mayo	326	249.8
Laois	186	219.6
Offaly	167	214.2
Waterford	225	193.7
Kilkenny	179	180.4
Wicklow	204	143.2
Tipperary	196	122.8
Total	14,423	302.9

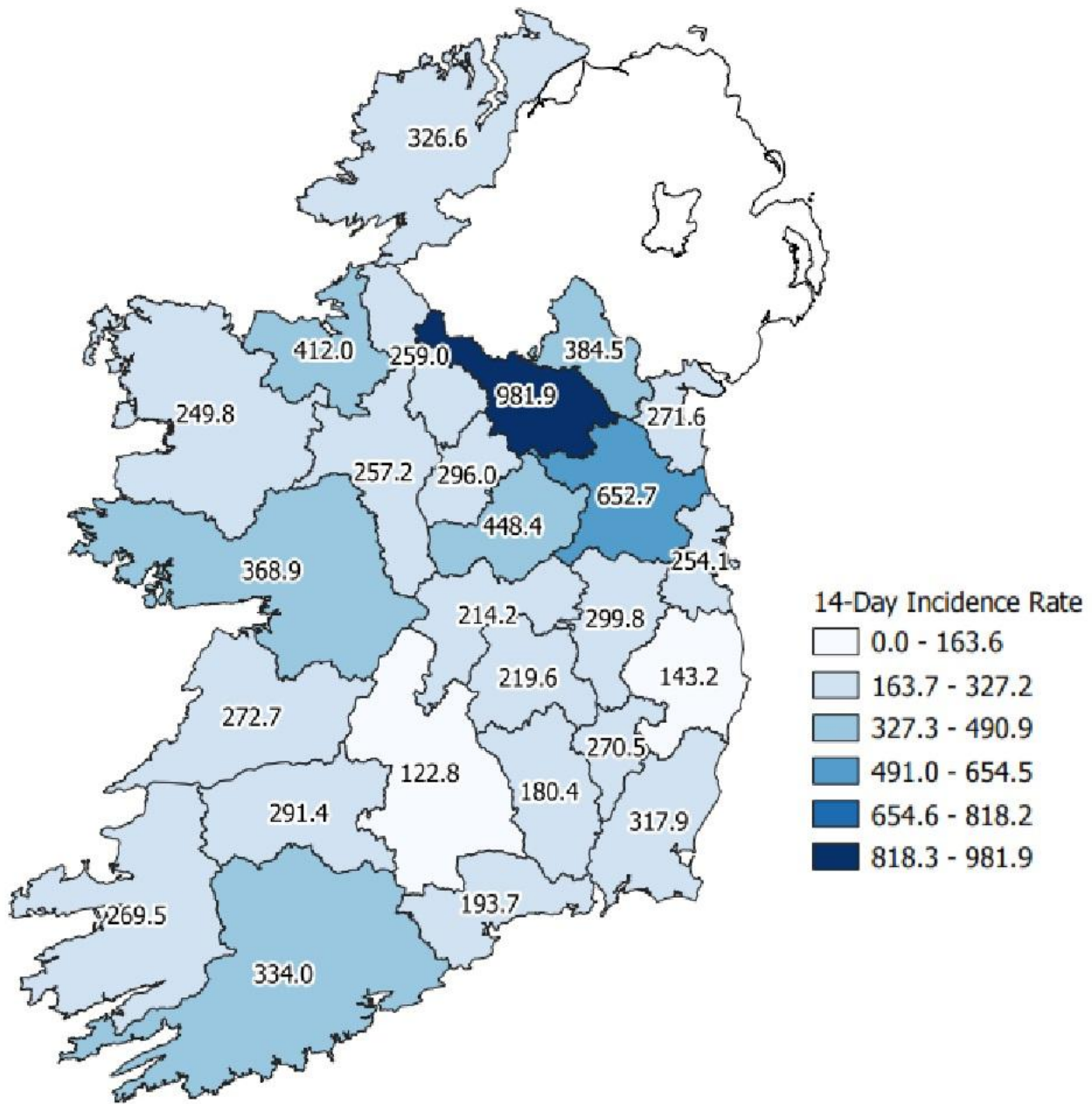


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 10/10/2020 to midnight 23/10/2020

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 10/10/2020 and 23/10/2020

CCA	Local Health Office	Number of cases in past 14 days based on epi date	14 day incidence rates based on epi dates
CCA1	Dublin South	160	117.6
CCA2	Dublin South East	337	272.4
CCA3	Dublin South City	243	162.1
CCA4	Dublin South West	326	202.6
CCA5	Dublin West	529	340.5
CCA6	Dublin North West	809	389.6
CCA7	Dublin North Central	474	306.6
CCA8	Dublin North	543	209.5
	Unknown	2	
	Dublin	3423	254.1

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.

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 11:26 on 24/10/2020. 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.