



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 25/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 11/10/2020 up to midnight 24/10/2020

	Number	Percent
Total number of confirmed cases	14,644	
National incidence of confirmed cases per 100,000 population	307.53	
Number of cases hospitalised*	345	2.36
Number of cases admitted to ICU*	21	0.14
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	3,254	22.22
Males	7,285	49.75
Females	7,338	50.11
M:F ratio	0.99	
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 11/10/2020 - 24/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:26 on 25/10/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

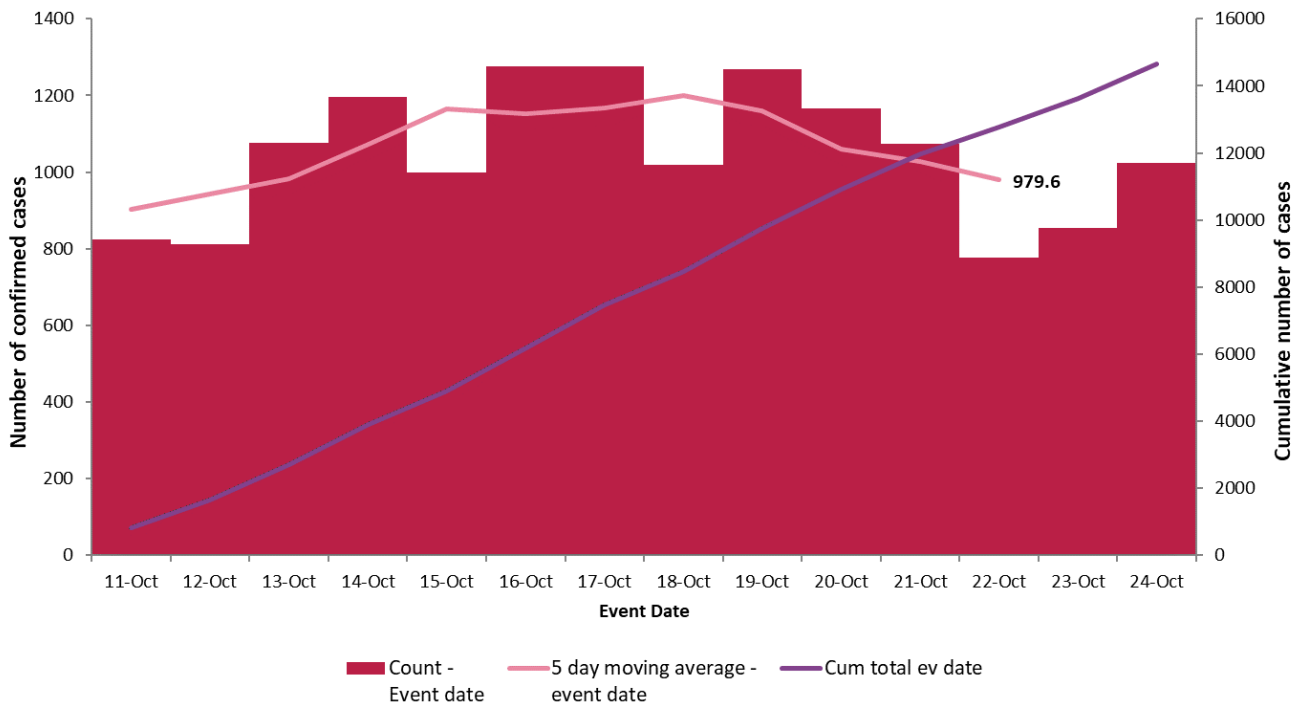


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=14,644)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 11/10/2020 up to midnight on 24/10/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		14,644	100
Sex	Male:Female ratio	0.99	
	Male	7,285	49.75
	Female	7,338	50.11
	Unknown	21	0.14
Age	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 102	
	0-4 yrs	514	3.51
	5-14 yrs	1,314	8.97
	15-24 yrs	3,764	25.7
	25-34 yrs	2,335	15.95
	35-44 yrs	2,008	13.71
	45-54 yrs	1,919	13.1
	55-64 yrs	1,512	10.33
	65-74 yrs	711	4.86
	75-84 yrs	355	2.42
	85+ yrs	209	1.43
	Unknown	3	0.02

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 11/10/2020 to midnight 24/10/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1836	469.2
CHO2	1462	322.7
CHO3	1003	260.5
CHO4	2317	335.5
CHO5	1131	221.6
CHO6	687	179.3
CHO7	1797	253.9
CHO8	2550	411.8
CHO9	1856	298.7
Unknown	5	
Total	14,644	307.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 11/10/2020 to midnight 24/10/2020

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	736	966.2
Meath	1282	657.3
Westmeath	395	445.0
Sligo	280	427.3
Monaghan	230	374.7
Galway	964	373.6
Cork	1887	347.6
Donegal	513	322.3
Wexford	469	313.2
Kildare	675	303.4
Limerick	575	295.0
Kerry	431	291.8
Carlow	166	291.6
Louth	368	285.5
Longford	115	281.4
Roscommon	177	274.2
Clare	314	264.3
Dublin	3461	256.9
Mayo	321	246.0
Leitrim	78	243.4
Laois	197	232.6
Offaly	175	224.5
Waterford	238	204.9
Kilkenny	174	175.3
Wicklow	208	146.0
Tipperary	215	134.8
Total	14,644	307.5

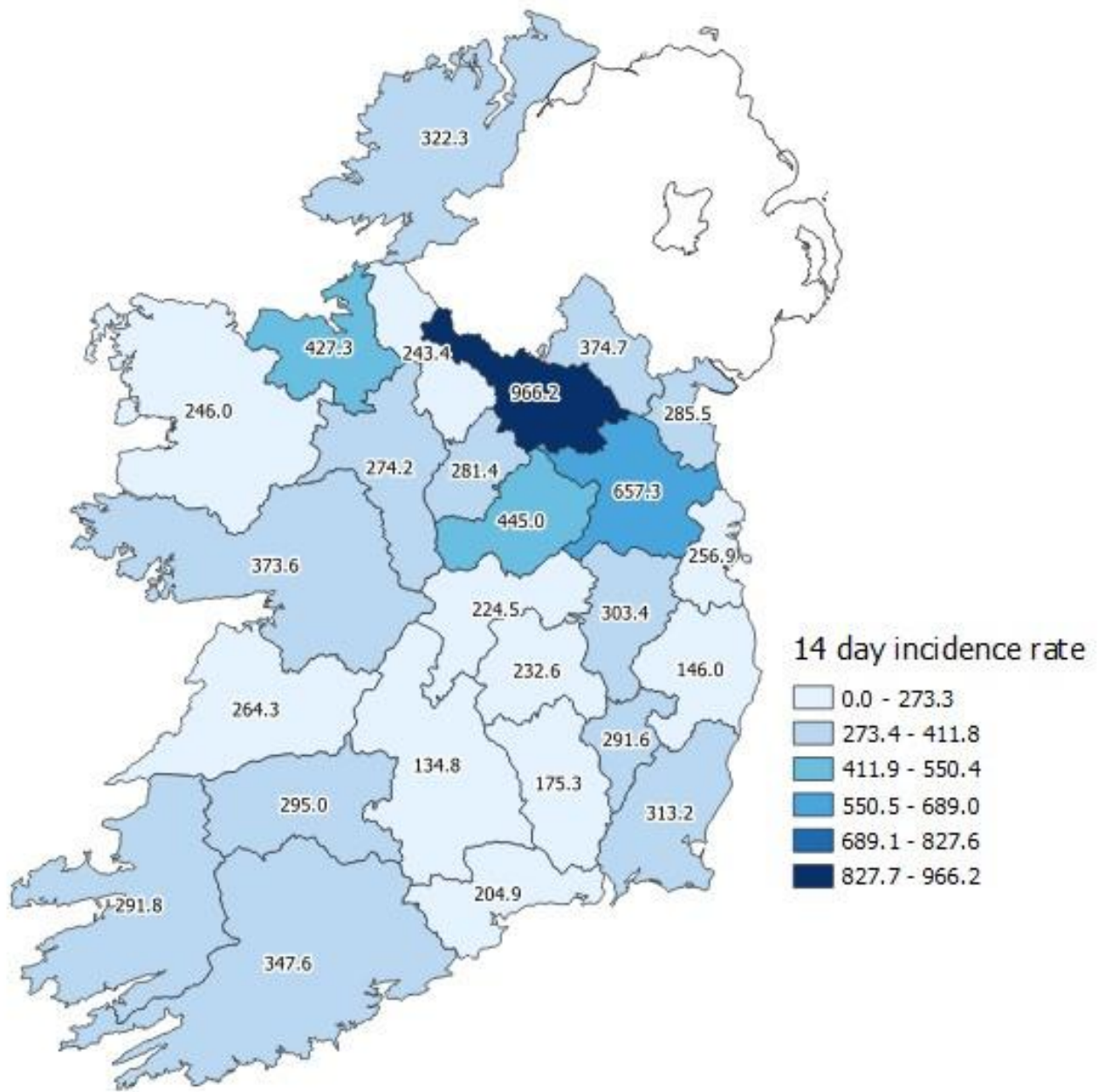


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 11/10/2020 to midnight 24/10/2020

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 11/10/2020 and 24/10/2020

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	155	113.9
CCA2	Dublin South East	330	266.8
CCA3	Dublin South City	253	168.7
CCA4	Dublin South West	333	207.0
CCA5	Dublin West	530	341.2
CCA6	Dublin North West	826	397.7
CCA7	Dublin North Central	469	303.4
CCA8	Dublin North	561	216.5
	Unknown	4	
	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 11/10/2020 to midnight 24/10/2020 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	514	5	1.45	0	0
5-14 yrs	1314	7	2.03	1	4.76
15-24 yrs	3764	17	4.93	1	4.76
25-34 yrs	2335	25	7.25	0	0
35-44 yrs	2008	26	7.54	3	14.29
45-54 yrs	1919	37	10.72	2	9.52
55-64 yrs	1512	48	13.91	2	9.52
65-74 yrs	711	61	17.68	8	38.1
75-84 yrs	355	78	22.61	4	19.05
85+ yrs	209	41	11.88	0	0
Unknown	3			0	0
Total	14,644	345	100	21	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 11:26 on 25/10/2020. 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.