



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 26/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 12/10/2020 up to midnight 25/10/2020

	Number	Percent
Total number of confirmed cases	14,758	
National incidence of confirmed cases per 100,000 population	309.92	
Number of cases hospitalised*	351	2.38
Number of cases admitted to ICU*	17	0.12
Number of deaths among confirmed cases	16	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	3,027	20.51
Males	7,298	49.45
Females	7,441	50.42
M:F ratio	0.98	
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 12/10/2020 - 25/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:54 on 26/10/2020 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.

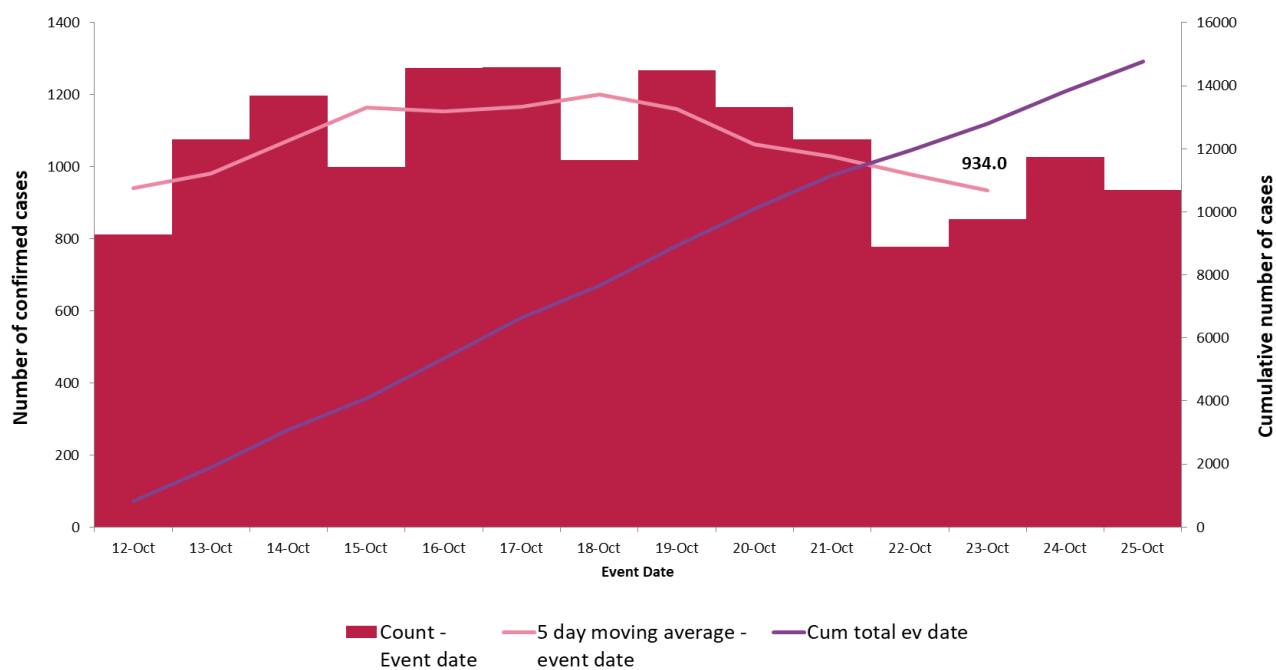


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=14,758)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 12/10/2020 up to midnight on 25/10/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		14,758	100
Sex	Male:Female ratio	0.98	
	Male	7,298	49.45
	Female	7,441	50.42
	Unknown	19	0.13
Age	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 102	
	0-4 yrs	524	3.55
	5-14 yrs	1,376	9.32
	15-24 yrs	3,751	25.42
	25-34 yrs	2,303	15.61
	35-44 yrs	2,028	13.74
	45-54 yrs	1,931	13.08
	55-64 yrs	1,531	10.37
	65-74 yrs	729	4.94
	75-84 yrs	368	2.49
	85+ yrs	214	1.45
	Unknown	3	0.02

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 12/10/2020 to midnight 25/10/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1835	469.0
CHO2	1490	328.8
CHO3	1058	274.8
CHO4	2277	329.7
CHO5	1130	221.4
CHO6	710	185.3
CHO7	1836	259.4
CHO8	2591	418.4
CHO9	1826	293.9
Unknown	5	
Total	14,758	309.9

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 12/10/2020 to midnight 25/10/2020

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	737	967.5
Meath	1301	667.0
Sligo	290	442.5
Westmeath	389	438.2
Galway	987	382.5
Monaghan	214	348.6
Cork	1838	338.6
Donegal	525	329.8
Limerick	603	309.4
Kildare	688	309.2
Carlow	174	305.6
Wexford	451	301.2
Kerry	443	299.9
Louth	386	299.5
Longford	118	288.7
Clare	335	281.9
Roscommon	171	264.9
Dublin	3477	258.1
Mayo	332	254.4
Laois	205	242.0
Leitrim	70	218.4
Offaly	169	216.8
Waterford	250	215.2
Kilkenny	175	176.4
Wicklow	208	146.0
Tipperary	222	139.1
Total	14,758	309.9

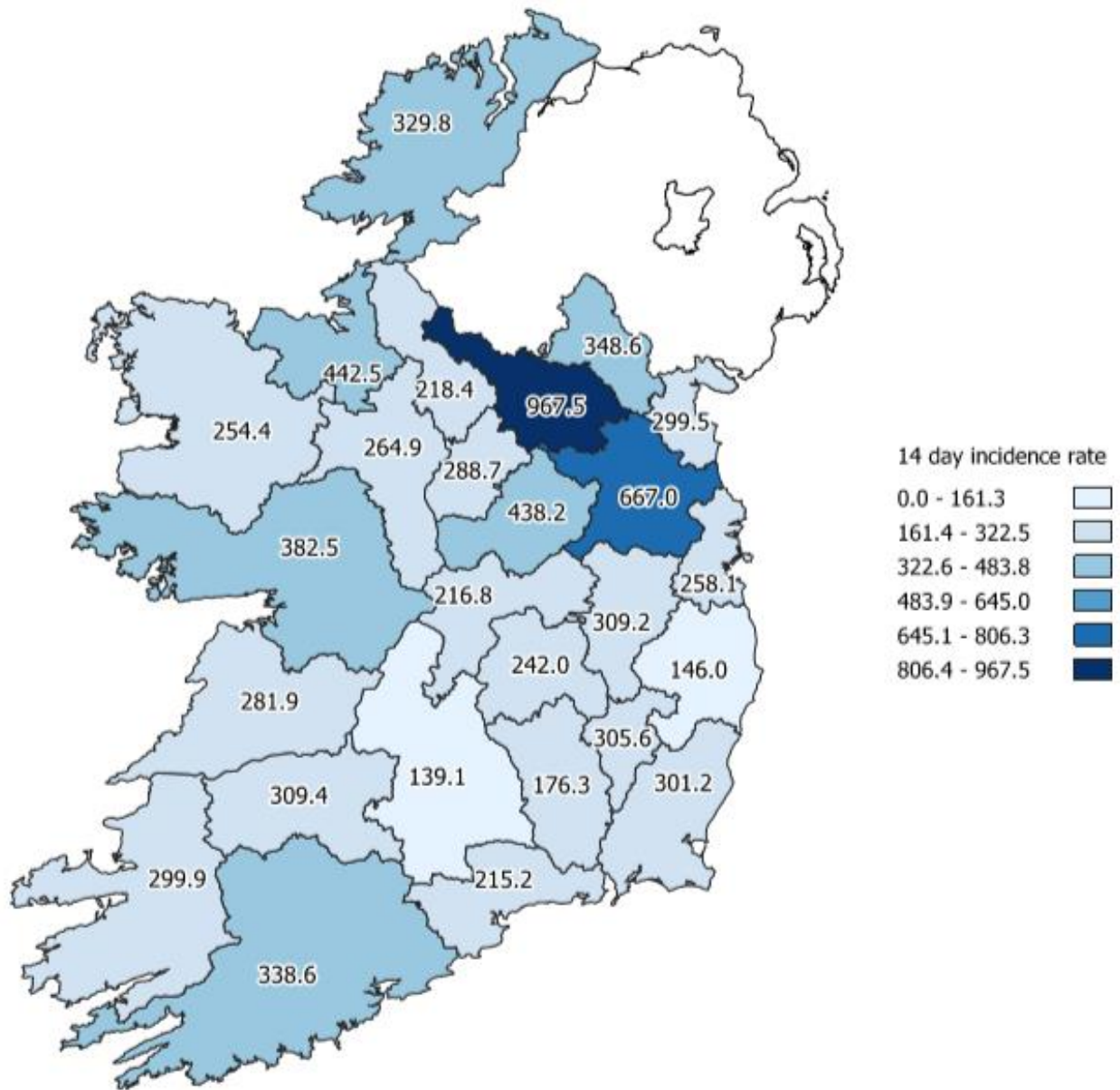


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 12/10/2020 and 25/10/2020

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 12/10/2020 and 25/10/2020

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	164	120.5
CCA2	Dublin South East	343	277.3
CCA3	Dublin South City	273	182.1
CCA4	Dublin South West	330	205.1
CCA5	Dublin West	540	347.6
CCA6	Dublin North West	802	386.2
CCA7	Dublin North Central	460	297.6
CCA8	Dublin North	564	217.6
	Unknown	1	
Dublin		3477	258.1

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.

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 12/10/2020 to midnight 25/10/2020 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	524	5	1.42	0	0
5-14 yrs	1376	9	2.56	1	5.88
15-24 yrs	3751	15	4.27	0	0
25-34 yrs	2303	24	6.84	0	0
35-44 yrs	2028	28	7.98	2	11.76
45-54 yrs	1931	35	9.97	2	11.76
55-64 yrs	1531	48	13.68	2	11.76
65-74 yrs	729	64	18.23	6	35.29
75-84 yrs	368	83	23.65	4	23.53
85+ yrs	214	40	11.4	0	0
Unknown	3			0	0
Total	14,758	351	100	17	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 11:54 on 10/26/20. 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.