



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 30/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 16/10/2020 up to midnight 29/10/2020

	Number	Percent
Total number of confirmed cases	13,672	
National incidence of confirmed cases per 100,000 population	287.11	
Number of cases hospitalised*	382	2.79
Number of cases admitted to ICU*	26	0.19
Number of deaths among confirmed cases	18	0.13
Case fatality ratio (CFR, %)	0.13	
National incidence of confirmed deaths per 100,000 population	0.38	
Number of cases** associated with clusters	2,564	18.75
Males	6,704	49.03
Females	6,959	50.9
M:F ratio	0.96	
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 16/10/2020 - 29/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:32 on 30/10/2020 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.

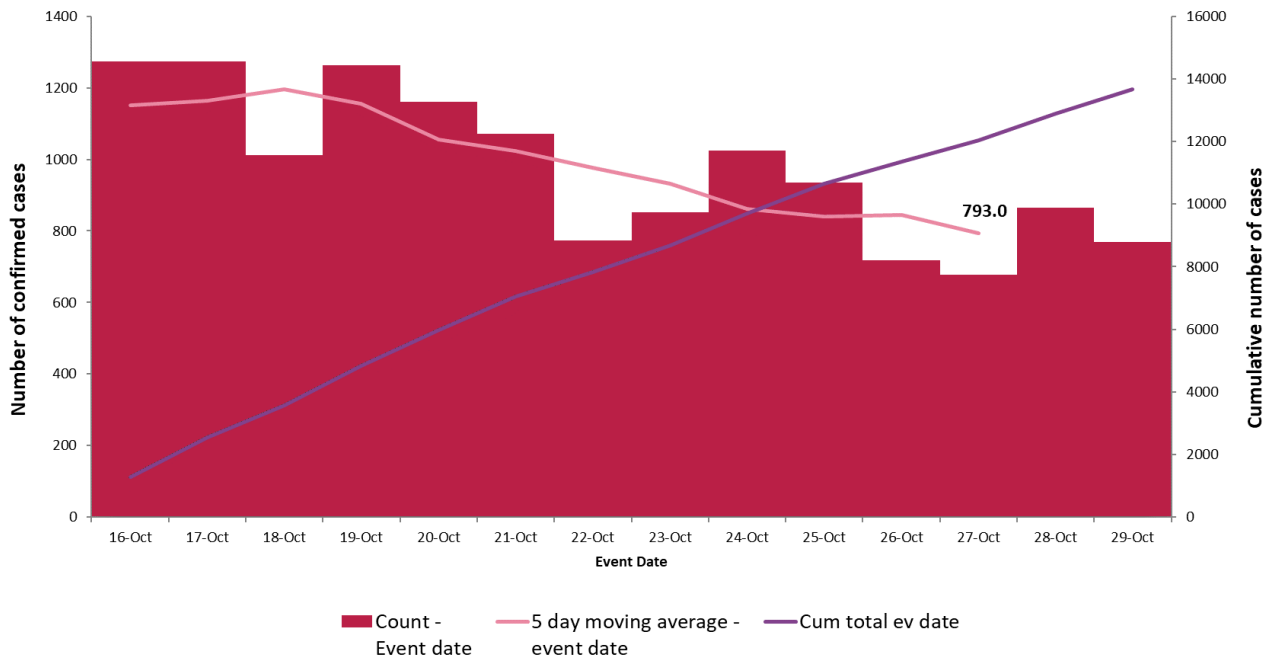


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=13,672)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 16/10/2020 up to midnight on 29/10/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		13,672	100
Sex	Male:Female ratio	0.96	
	Male	6,704	49.03
	Female	6,959	50.9
	Unknown	9	0.07
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	535	3.91
	5-14 yrs	1,387	10.14
	15-24 yrs	3,198	23.39
	25-34 yrs	2,038	14.91
	35-44 yrs	1,887	13.8
	45-54 yrs	1,864	13.63
	55-64 yrs	1,447	10.58
	65-74 yrs	699	5.11
	75-84 yrs	369	2.7
	85+ yrs	244	1.78
	Unknown	4	0.03

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 16/10/2020 to midnight 29/10/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1486	379.8
CHO2	1351	298.2
CHO3	1048	272.2
CHO4	2230	322.9
CHO5	975	191.1
CHO6	667	174.1
CHO7	1754	247.8
CHO8	2341	378.0
CHO9	1819	292.7
Unknown	1	
Total	13,672	287.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 16/10/2020 to midnight 29/10/2020

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	510	669.5
Meath	1066	546.5
Westmeath	367	413.4
Sligo	238	363.2
Galway	881	341.4
Cork	1827	336.5
Donegal	513	322.3
Limerick	611	313.5
Monaghan	187	304.6
Longford	121	296.0
Kildare	652	293.0
Louth	377	292.5
Carlow	165	289.8
Kerry	403	272.8
Clare	304	255.9
Dublin	3390	251.6
Wexford	362	241.8
Roscommon	156	241.7
Mayo	314	240.6
Offaly	184	236.0
Laois	198	233.8
Waterford	247	212.6
Kilkenny	150	151.2
Wicklow	199	139.7
Tipperary	211	132.2
Leitrim	39	121.7
Total	13,672	287.1

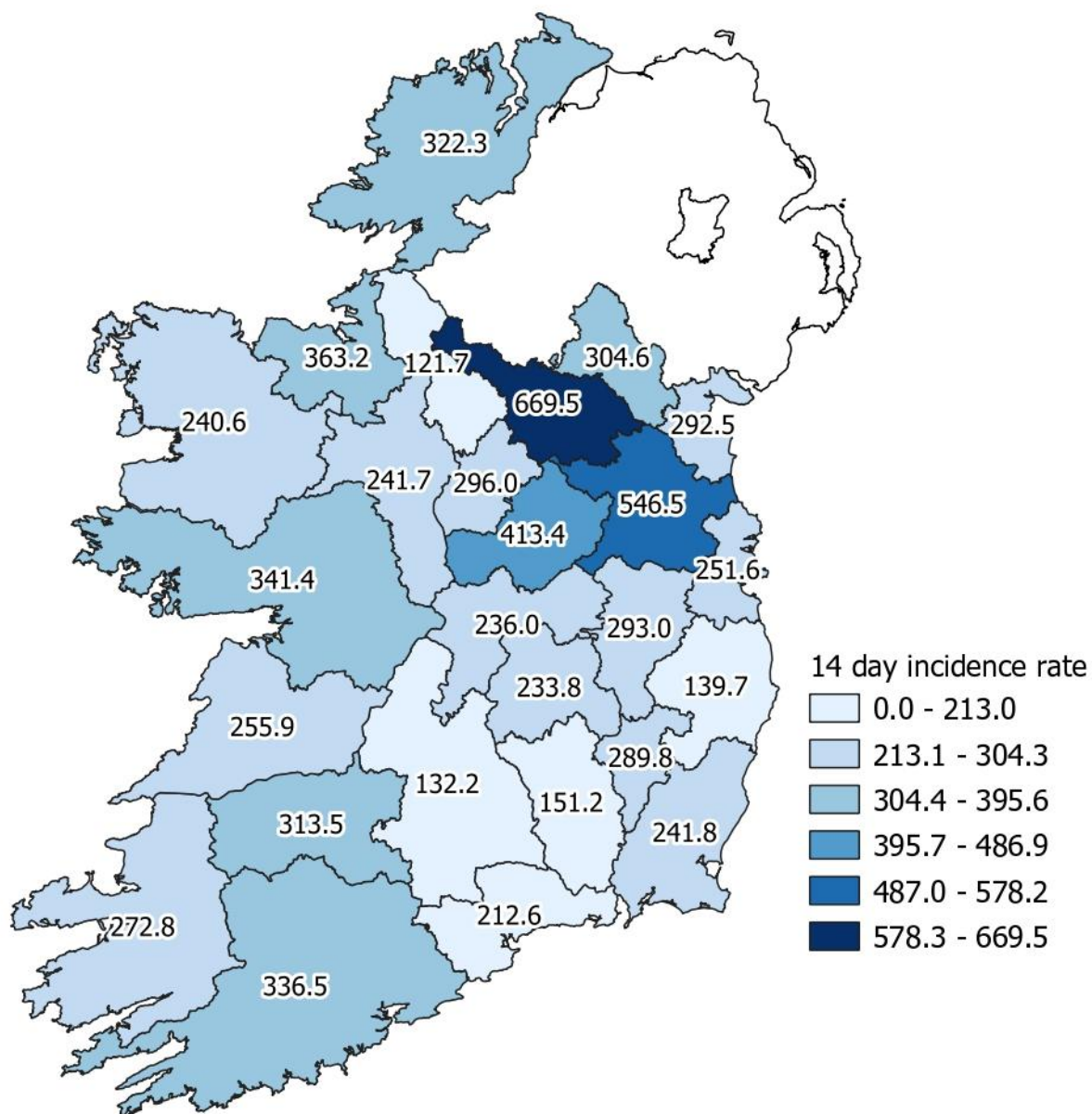


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 16/10/2020 to midnight 29/10/2020

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 16/10/2020 and 29/10/2020

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	157	115.4
CCA2	Dublin South East	317	256.3
CCA3	Dublin South City	241	160.7
CCA4	Dublin South West	351	218.2
CCA5	Dublin West	504	324.4
CCA6	Dublin North West	751	361.6
CCA7	Dublin North Central	463	299.5
CCA8	Dublin North	605	233.5
	Unknown	1	
Dublin		3,390	251.6

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 16/10/2020 to midnight 29/10/2020 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	535	4	1.05	0	0
5-14 yrs	1387	7	1.83	1	3.85
15-24 yrs	3198	16	4.19	0	0
25-34 yrs	2038	22	5.76	0	0
35-44 yrs	1887	32	8.38	1	3.85
45-54 yrs	1864	41	10.73	2	7.69
55-64 yrs	1447	53	13.87	3	11.54
65-74 yrs	699	72	18.85	14	53.85
75-84 yrs	369	84	21.99	5	19.23
85+ yrs	244	51	13.35	0	0
Unknown	4			0	0
Total	13,672	382	100	26	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 11:32 on 30/10/2020. 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.