



# Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 29/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 15/10/2020 up to midnight 28/10/2020

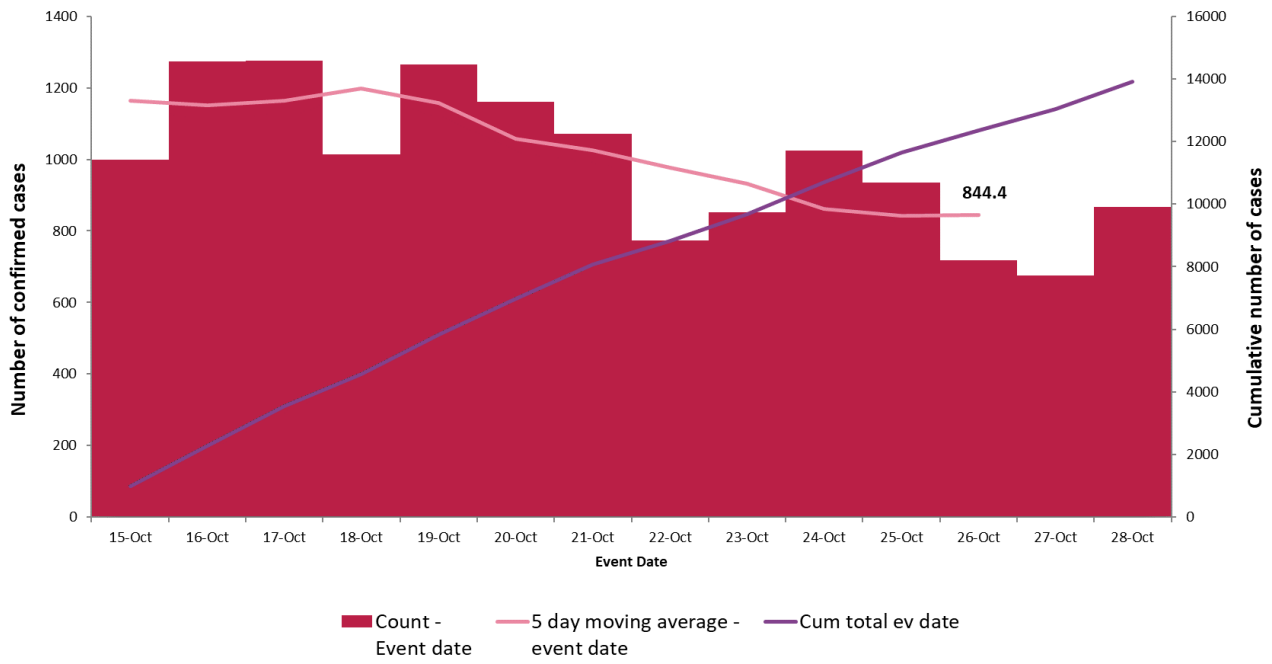
	Number	Percent
Total number of confirmed cases	13,907	
National incidence of confirmed cases per 100,000 population	292.05	
Number of cases hospitalised*	369	2.65
Number of cases admitted to ICU*	22	0.16
Number of deaths among confirmed cases	17	0.12
Case fatality ratio (CFR, %)	0.12	
National incidence of confirmed deaths per 100,000 population	0.36	
Number of cases** associated with clusters	2,619	18.83
Males	6,821	49.05
Females	7,081	50.92
M:F ratio	0.96	
Median age (years)	32	
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 15/10/2020 - 28/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:32 on 29/10/2020 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=13,907)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 15/10/2020 up to midnight on 28/10/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>13,907</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.96	
	Male	6,821	49.05
	Female	7,081	50.92
	Unknown	5	0.04
<b>Age</b>	Median age (years)	32	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	534	3.84
	5-14 yrs	1,397	10.05
	15-24 yrs	3,314	23.83
	25-34 yrs	2,093	15.05
	35-44 yrs	1,927	13.86
	45-54 yrs	1,879	13.51
	55-64 yrs	1,462	10.51
	65-74 yrs	696	5
	75-84 yrs	365	2.62
	85+ yrs	236	1.7
	Unknown	4	0.03

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 15/10/2020 to midnight 28/10/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1587	405.6
CHO2	1387	306.1
CHO3	1039	269.9
CHO4	2199	318.4
CHO5	1073	210.3
CHO6	711	185.6
CHO7	1747	246.9
CHO8	2349	379.3
CHO9	1814	291.9
Unknown	1	
<b>Total</b>	<b>13,907</b>	<b>292.0</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 15/10/2020 to midnight 28/10/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	574	753.5
Meath	1096	561.9
Westmeath	359	404.4
Sligo	263	401.3
Galway	915	354.6
Cork	1799	331.4
Carlow	184	323.2
Donegal	505	317.2
Monaghan	190	309.5
Limerick	599	307.3
Louth	381	295.6
Kildare	647	290.8
Longford	115	281.4
Kerry	400	270.8
Wexford	387	258.5
Clare	303	255.0
Dublin	3415	253.5
Mayo	322	246.7
Roscommon	150	232.4
Laois	195	230.2
Waterford	265	228.1
Offaly	175	224.5
Leitrim	56	174.8
Kilkenny	169	170.3
Wicklow	211	148.1
Tipperary	232	145.4
<b>Total</b>	<b>13,907</b>	<b>292.0</b>

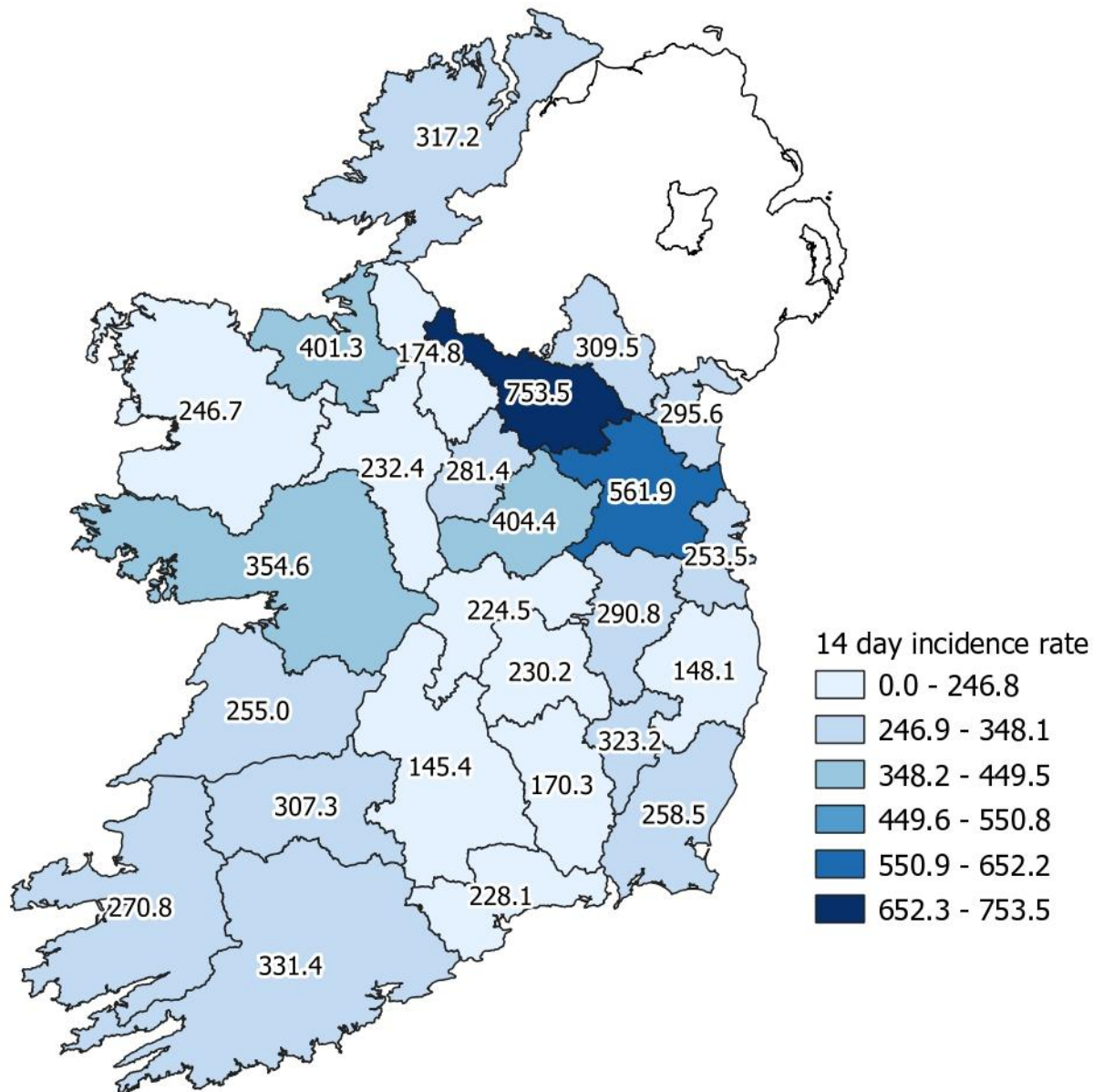


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 15/10/2020 to midnight 28/10/2020

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 15/10/2020 and 28/10/2020**

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	179	131.5
CCA2	Dublin South East	327	264.3
CCA3	Dublin South City	258	172.1
CCA4	Dublin South West	342	212.6
CCA5	Dublin West	494	318.0
CCA6	Dublin North West	770	370.8
CCA7	Dublin North Central	448	289.8
CCA8	Dublin North	596	230.0
	Unknown	1	
<b>Dublin</b>		<b>3415</b>	<b>253.5</b>

**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> 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 15/10/2020 to midnight 28/10/2020 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	534	4	1.08	0	0
5-14 yrs	1397	8	2.17	1	4.55
15-24 yrs	3314	18	4.88	0	0
25-34 yrs	2093	23	6.23	0	0
35-44 yrs	1927	33	8.94	1	4.55
45-54 yrs	1879	37	10.03	2	9.09
55-64 yrs	1462	49	13.28	4	18.18
65-74 yrs	696	67	18.16	10	45.45
75-84 yrs	365	80	21.68	4	18.18
85+ yrs	236	50	13.55	0	0
Unknown	4			0	0
<b>Total</b>	<b>13,907</b>	<b>369</b>	<b>100</b>	<b>22</b>	<b>100</b>

\* 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 29/10/2020. 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  $\geq 85$  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.