



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

Report prepared by HPSC on 01/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 18/10/2020 up to midnight 31/10/2020

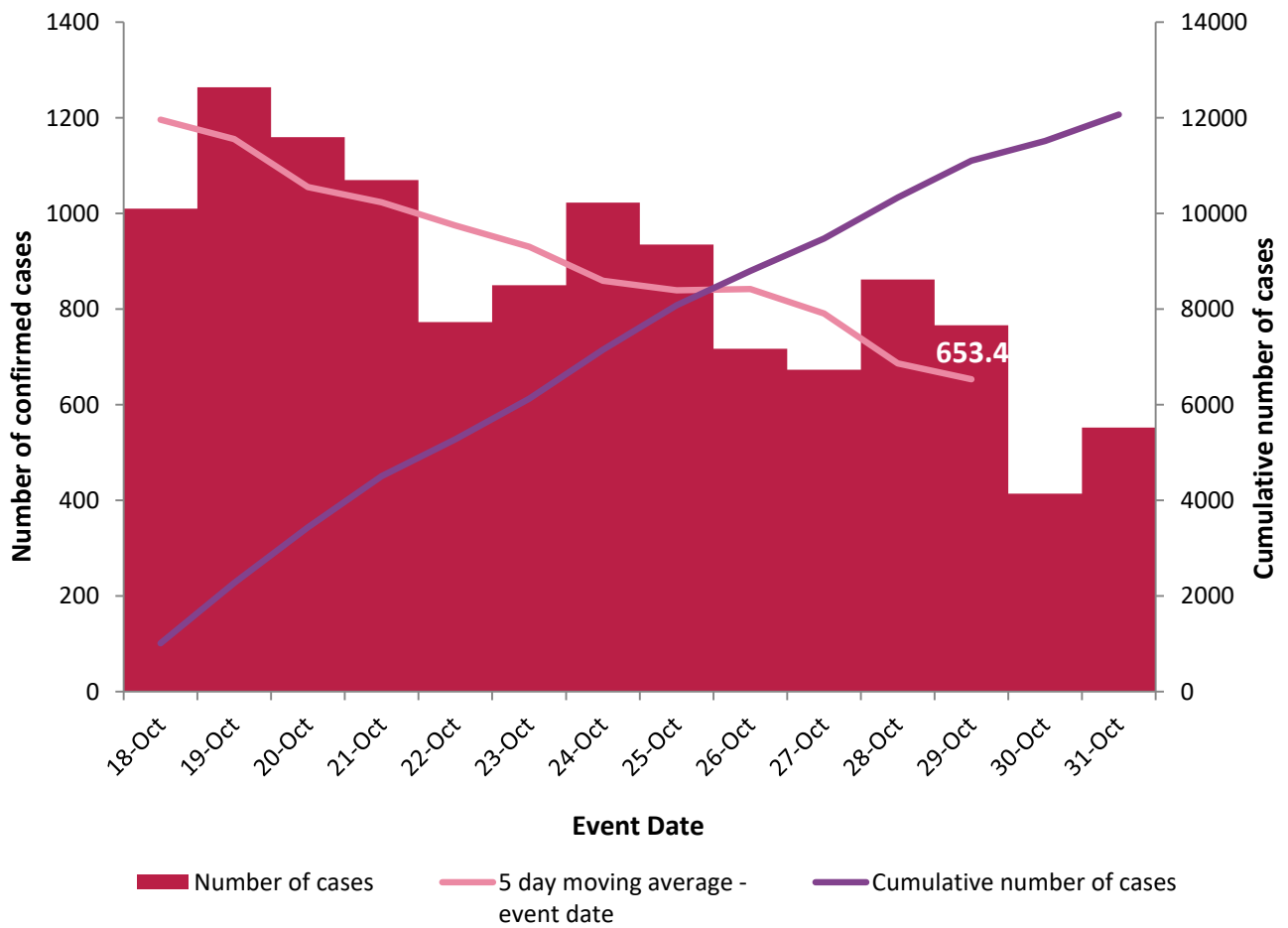
	Number	Percent
Total number of confirmed cases	12,069	
National incidence of confirmed cases per 100,000 population	253.45	
Number of cases hospitalised*	366	3.03
Number of cases admitted to ICU*	22	0.18
Number of deaths among confirmed cases	17	0.14
Case fatality ratio (CFR, %)	0.14	
National incidence of confirmed deaths per 100,000 population	0.36	
Number of cases** associated with clusters	2,096	17.37
Males	5,886	48.77
Females	6,173	51.15
M:F ratio	0.95	
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  
18/10/2020 - 31/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:49 on 01/11/2020 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=12,069)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 18/10/2020 up to midnight on 31/10/202**

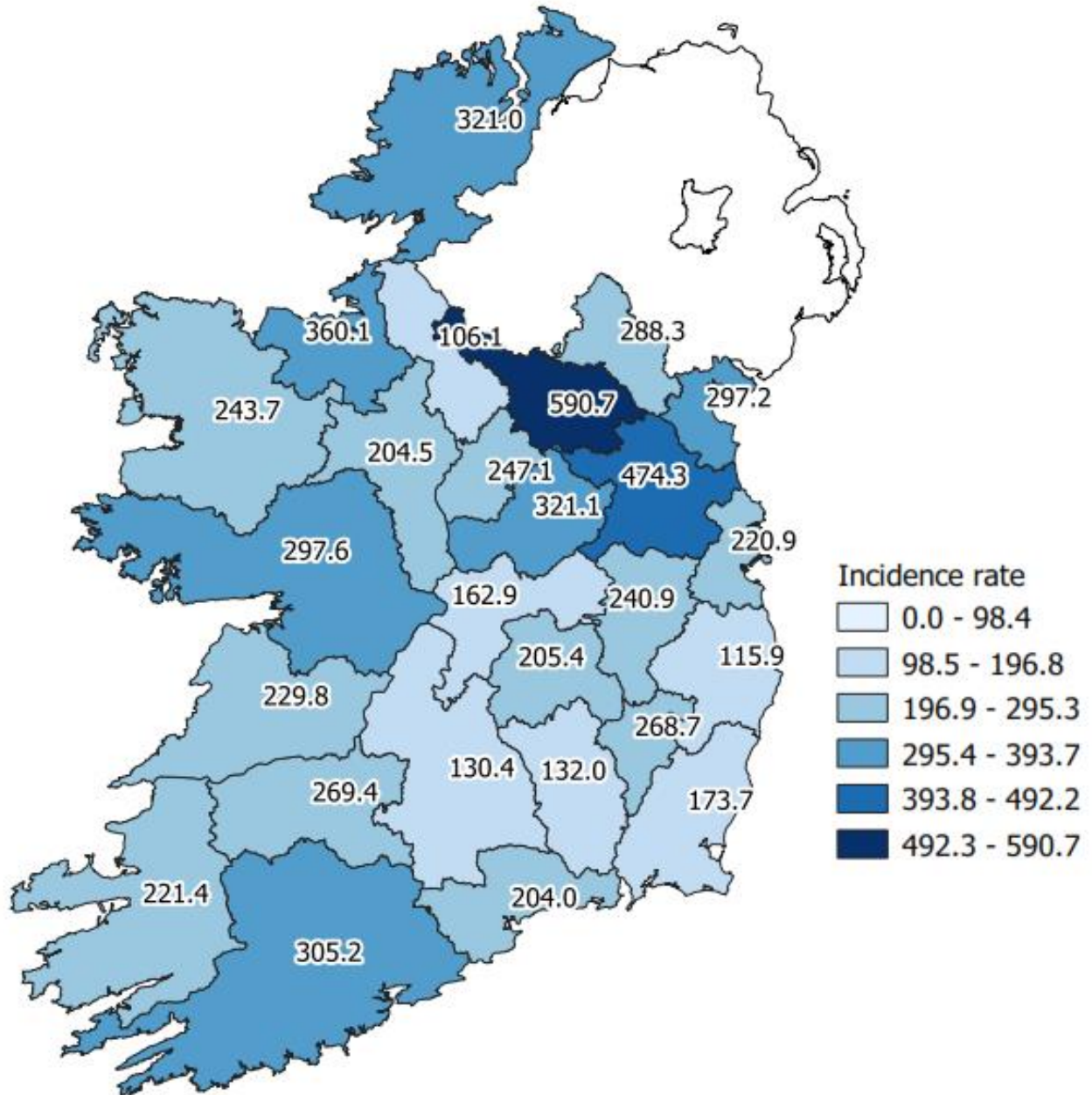
Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>12,069</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.95	
	Male	5,886	48.77
	Female	6,173	51.15
	Unknown	10	0.08
<b>Age</b>	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	503	4.17
	5-14 yrs	1,285	10.65
	15-24 yrs	2,707	22.43
	25-34 yrs	1,754	14.53
	35-44 yrs	1,659	13.75
	45-54 yrs	1,661	13.76
	55-64 yrs	1,282	10.62
	65-74 yrs	645	5.34
	75-84 yrs	351	2.91
	85+ yrs	219	1.81
	Unknown	3	0.02

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 18/10/2020 to midnight 31/10/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population	95% CI	
CHO1	1407	359.6	341.0	378.9
CHO2	1218	268.8	253.9	284.3
CHO3	936	243.1	227.8	259.2
CHO4	1969	285.1	272.7	298.0
CHO5	825	161.7	150.8	173.1
CHO6	585	152.7	140.6	165.6
CHO7	1469	207.6	197.1	218.5
CHO8	2022	326.5	312.4	341.1
CHO9	1622	261.0	248.5	274.0
Unknown	16			
<b>Total</b>	<b>12,069</b>	<b>253.5</b>	<b>248.9</b>	<b>258.0</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 18/10/2020 to midnight 31/10/2020**

County	Number of confirmed cases	Incidence per 100,000 population	95% CI	
Cavan	450	590.7	537.4	647.9
Meath	925	474.3	444.2	505.8
Sligo	236	360.1	315.6	409.1
Westmeath	285	321.1	284.9	360.6
Donegal	511	321.0	293.8	350.1
Cork	1657	305.2	290.7	320.3
Galway	768	297.6	276.9	319.4
Louth	383	297.2	268.1	328.5
Monaghan	177	288.3	247.4	334.1
Limerick	525	269.4	246.8	293.4
Carlow	153	268.7	227.8	314.9
Longford	101	247.1	201.3	300.3
Mayo	318	243.7	217.6	272.0
Kildare	536	240.9	220.9	262.2
Clare	273	229.8	203.3	258.7
Kerry	327	221.4	198.0	246.7
Dublin	2976	220.9	213.0	229.0
Laois	174	205.4	176.0	238.3
Roscommon	132	204.5	171.1	242.5
Waterford	237	204.0	178.9	231.7
Wexford	260	173.7	153.2	196.1
Offaly	127	162.9	135.8	193.8
Kilkenny	131	132.0	110.4	156.7
Tipperary	208	130.4	113.2	149.3
Wicklow	165	115.9	98.8	134.9
Leitrim	34	106.1	73.5	148.3
<b>Total</b>	<b>12,069</b>	<b>253.5</b>	<b>248.9</b>	<b>258.0</b>



**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 18/10/2020 and 31/10/2020**

*Please do not directly compare county shades to previous maps. As the number of cases change the categories listed will change, 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 18/10/2020 and 31/10/2020**

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	147	108.0
CCA2	Dublin South East	280	226.3
CCA3	Dublin South City	204	136.1
CCA4	Dublin South West	317	197.0
CCA5	Dublin West	405	260.7
CCA6	Dublin North West	656	315.9
CCA7	Dublin North Central	405	262.0
CCA8	Dublin North	561	216.5
	Unknown	1	
	<b>Dublin</b>	<b>2976</b>	<b>220.9</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 18/10/2020 to midnight 31/10/2020 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	503	4	1.09	0	0
5-14 yrs	1285	8	2.19	0	0
15-24 yrs	2707	14	3.83	0	0
25-34 yrs	1754	21	5.74	0	0
35-44 yrs	1659	28	7.65	1	4.55
45-54 yrs	1661	39	10.66	2	9.09
55-64 yrs	1282	51	13.93	2	9.09
65-74 yrs	645	73	19.95	12	54.55
75-84 yrs	351	82	22.4	5	22.73
85+ yrs	219	46	12.57	0	0
Unknown	3			0	0
<b>Total</b>	<b>12,069</b>	<b>366</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 13:49 on 01/11/2020. 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 derived from 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. HSE areas

The counties covered by each HSE area are as follows:

- HSE East (E): Dublin, Kildare & Wicklow;
- HSE Midlands (M): Laois, Longford, Offaly & Westmeath;
- HSE Midwest (MW): Clare, Limerick & N. Tipperary;
- HSE Northeast (NE): Cavan, Louth, Meath & Monaghan;
- HSE Northwest (NW): Donegal, Leitrim & Sligo;
- HSE South (S): Kerry & Cork;
- HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;
- HSE West (W): Galway, Mayo & Roscommon.

### 5. 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.