Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 14/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 31/10/2020 up to midnight 13/11/2020

	Number	Percent
Total number of confirmed cases	6,201	
National incidence of confirmed cases per 100,000 population	130.22	
Number of cases hospitalised*	369	5.95
Number of cases admitted to ICU*	20	0.32
Number of deaths among confirmed cases	19	0.31
Case fatality ratio (CFR, %)	0.31	
National incidence of confirmed deaths per 100,000 population	0.4	
Number of cases** associated with clusters	2,191	35.33
Number of imported cases	16	0.26
Number of cases in healthcare workers	658	10.61
Males	3,013	48.59
Females	3,178	51.25
M:F ratio	0.95	
Median age (years)	35	
Mean age (years)	38	
Age range (years)	0 - 108	

* 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 31/10/2020 - 13/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:19 on 14/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
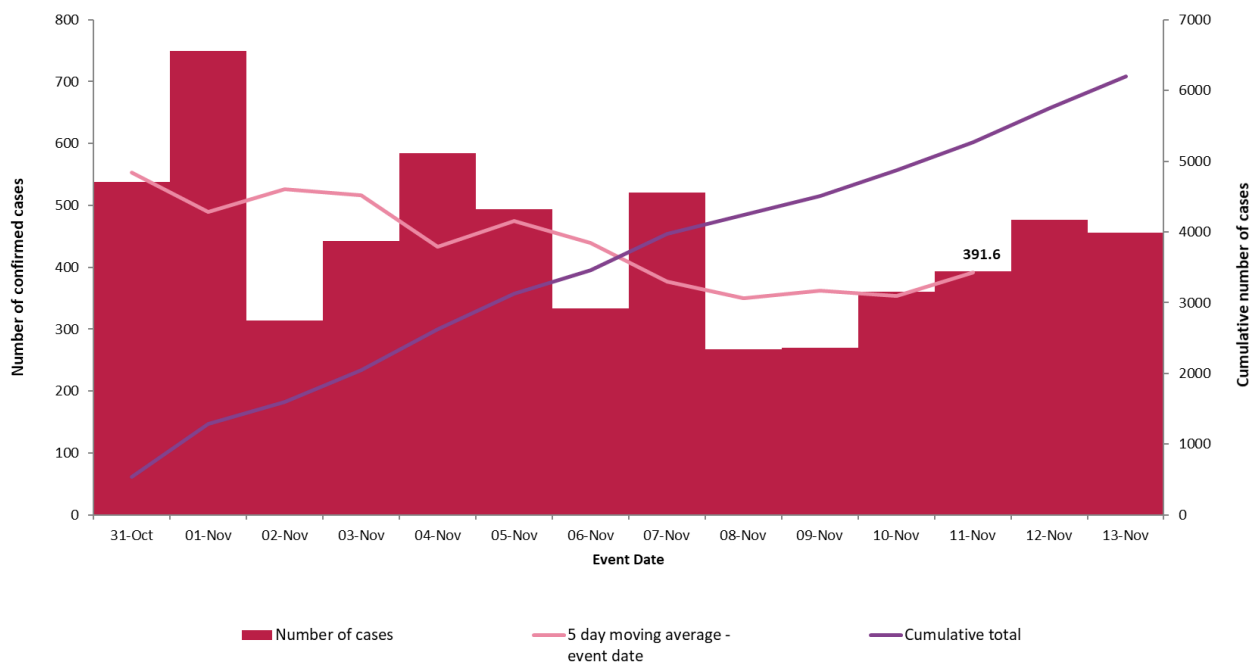
Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 31/10/2020 to midnight 13/11/2020 (n=6,201)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 31/10/2020 up to midnight on 13/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		**6,201**	**100**
Sex	Male:Female ratio	0.95	
	Male	3,013	48.59
	Female	3,178	51.25
	Unknown	10	0.16
Age	Median age (years)	35	
	Mean age (years)	38	
	Age range (years)	0 - 108	
	0-4 yrs	271	4.37
	5-12 yrs	494	7.97
	13-18 yrs	516	8.32
	19-24 yrs	720	11.61
	25-34 yrs	1,000	16.13
	35-44 yrs	945	15.24
	45-54 yrs	880	14.19
	55-64 yrs	576	9.29
	65-74 yrs	347	5.6
	75-84 yrs	272	4.39
	85+ yrs	178	2.87
	Unknown	2	0.03
Underlying clinical conditions	Yes	1,338	21.58
	No	4,113	66.33
	Unknown	750	12.09
Symptom status at time of test*	Yes	3,640	58.7
	No	1,654	26.67
	Unknown	907	14.63

*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 31/10/2020 to midnight 13/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	696	177.9
CHO2	476	105.1
CHO3	627	162.9
CHO4	750	108.6
CHO5	513	100.5
CHO6	397	103.6
CHO7	852	120.4
CHO8	898	145.0
CHO9	991	159.5
Unknown	1	
Total	**6,201**	**130.2**

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 31/10/2020 to midnight 13/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	434	272.6
Limerick	415	212.9
Westmeath	149	167.8
Dublin	1932	143.4
Meath	296	151.8
Roscommon	105	162.7
Louth	197	152.9
Waterford	163	140.3
Kerry	190	128.6
Kilkenny	131	132.0
Monaghan	83	135.2
Laois	110	129.9
Mayo	157	120.3
Sligo	82	125.1
Tipperary	184	115.3
Offaly	92	118.0
Cork	560	103.2
Longford	50	122.3
Clare	122	102.7
Kildare	207	93.0
Cavan	75	98.5
Carlow	55	96.6
Galway	214	82.9
Wicklow	102	71.6
Leitrim	23	71.8
Wexford	73	48.8
Total	**6,201**	**130.2**

14 day incidence rate

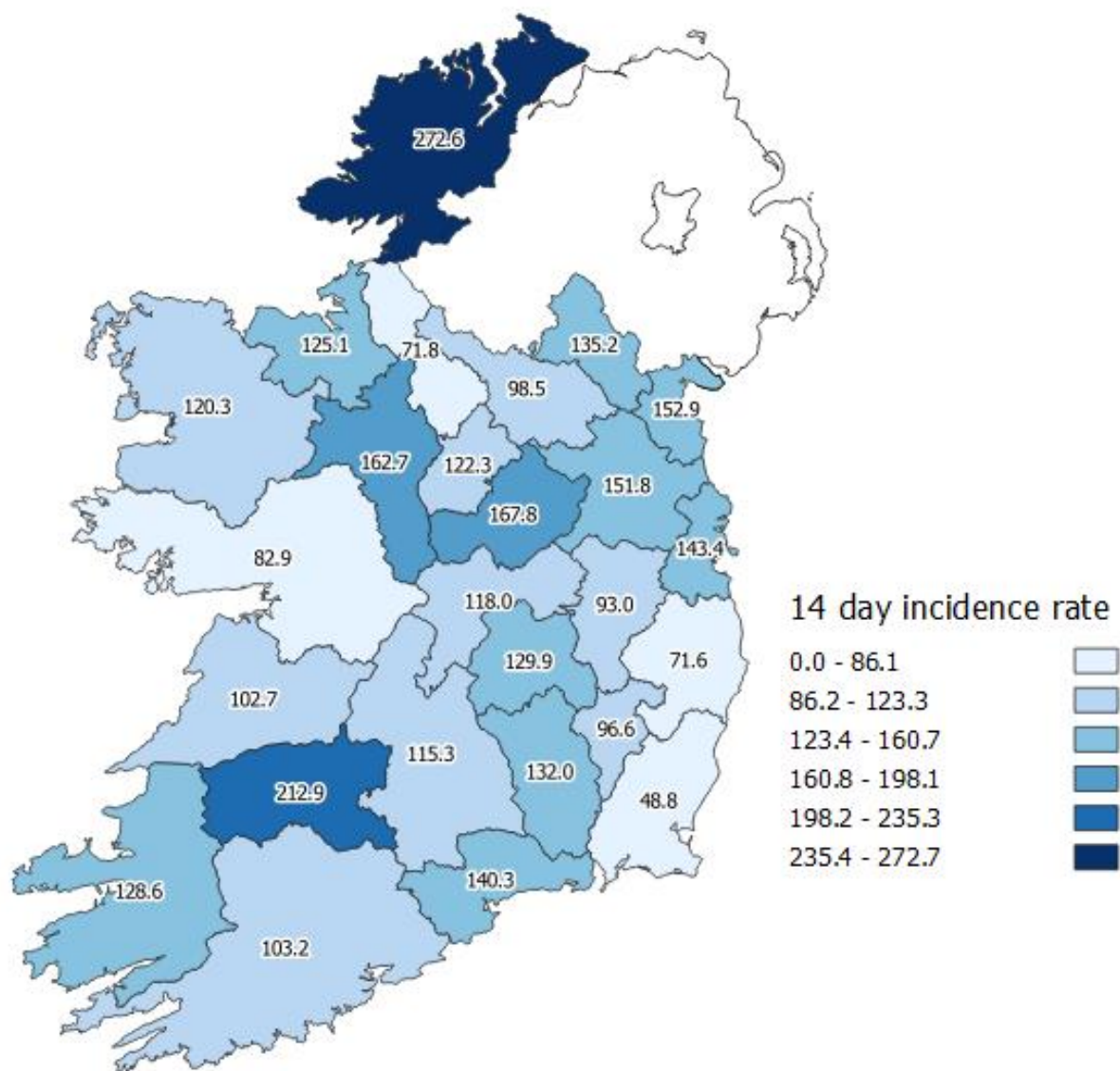|	
0.0 - 86.1	
86.2 - 123.3	
123.4 - 160.7	
160.8 - 198.1	
198.2 - 235.3	
235.4 - 272.7	

Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 31/10/2020 and 13/11/2020

Please do not directly compare county shades to previous maps. The categories listed will change as the number of cases 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 31/10/2020 and 13/11/2020

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	82	60.3
CCA2	Dublin South East	215	173.8
CCA3	Dublin South City	153	102.0
CCA4	Dublin South West	210	130.5
CCA5	Dublin West	280	180.2
CCA6	Dublin North West	404	194.5
CCA7	Dublin North Central	258	166.9
CCA8	Dublin North	329	127.0
	Unknown	1	
	Dublin	**1,932**	**143.4**

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.
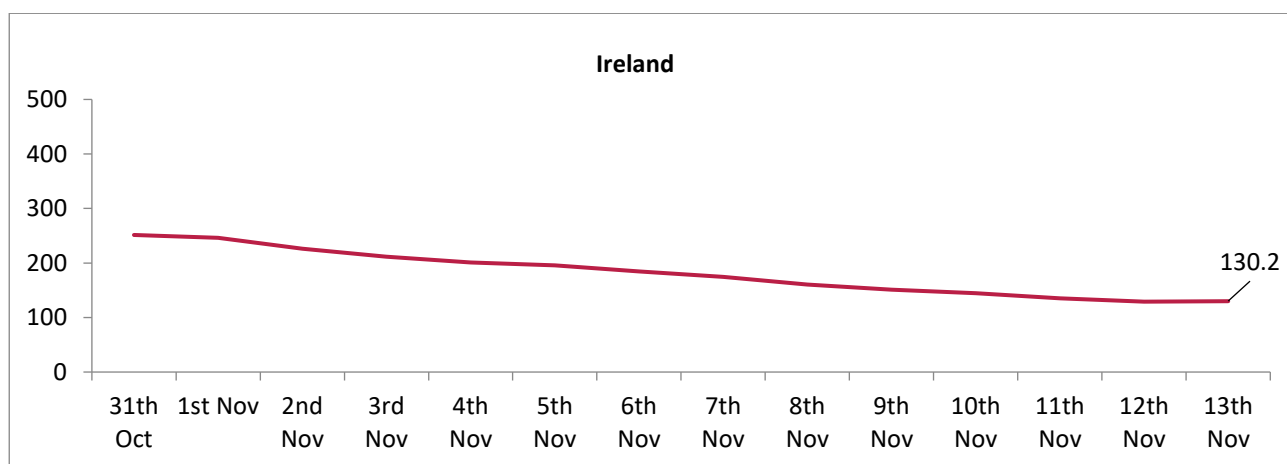
Ireland

Figure 3: 14 day incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (Oct 31st to Nov 13 th2020)

14 day incidence rates per 100,000 population of confirmed cases of COVID-19 for individual counties can be found in **appendix 1** of this report

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 31/10/2020 to midnight 13/11/2020 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	271	5	1.36	0	0
5-12 yrs	494	4	1.08	0	0
13-18 yrs	516	8	2.17	0	0
19-24 yrs	720	11	2.98	2	10
25-34 yrs	1000	18	4.88	0	0
35-44 yrs	945	29	7.86	1	5
45-54 yrs	880	37	10.03	3	15
55-64 yrs	576	33	8.94	3	15
65-74 yrs	347	71	19.24	6	30
75-84 yrs	272	100	27.1	5	25
85+ yrs	178	53	14.36	0	0
Unknown	2			0	0
Total	**6,201**	**369**	**100**	**20**	**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

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 11:19 on 14/11/2020. 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 ≥ 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.

Appendix 1

Figure A. 14 day incidence rates per 100,000 population of confirmed cases of COVID-19 by county (Oct 31st to Nov 13th 2020)

Galway

Kerry

Kildare

Kilkenny

Laois

Leitrim

Limerick

212.9

Longford

122.3

Louth

152.9

Mayo

120.3

Meath

151.8

Monaghan

135.2

Offaly

118

Roscommon

162.7

Sligo

125.1

Tipperary

115.3

Waterford

140.3

Westmeath

167.8

Wexford

48.8

31th Oct
1st Nov
2nd Nov
3rd Nov
4th Nov
5th Nov
6th Nov
7th Nov
8th Nov
9th Nov
10th Nov
11th Nov
12th Nov
13th Nov

Wicklow

71.6

31th Oct
1st Nov
2nd Nov
3rd Nov
4th Nov
5th Nov
6th Nov
7th Nov
8th Nov
9th Nov
10th Nov
11th Nov
12th Nov
13th Nov