



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 09/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/10/2020 up to midnight 08/11/2020

	Number	Percent
Total number of confirmed cases	7,665	
National incidence of confirmed cases per 100,000 population	160.97	
Number of cases hospitalised*	349	4.55
Number of cases admitted to ICU*	19	0.25
Number of deaths among confirmed cases	9	0.12
Case fatality ratio (CFR, %)	0.12	
National incidence of confirmed deaths per 100,000 population	0.19	
Number of cases** associated with clusters	1,855	24.2
Number of imported cases	10	0.13
Number of cases in healthcare workers	523	6.82
Males	3,682	48.04
Females	3,971	51.81
M:F ratio	0.93	
Median age (years)	35	
Mean age (years)	37	
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
26/10/2020 - 08/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:32 on 09/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

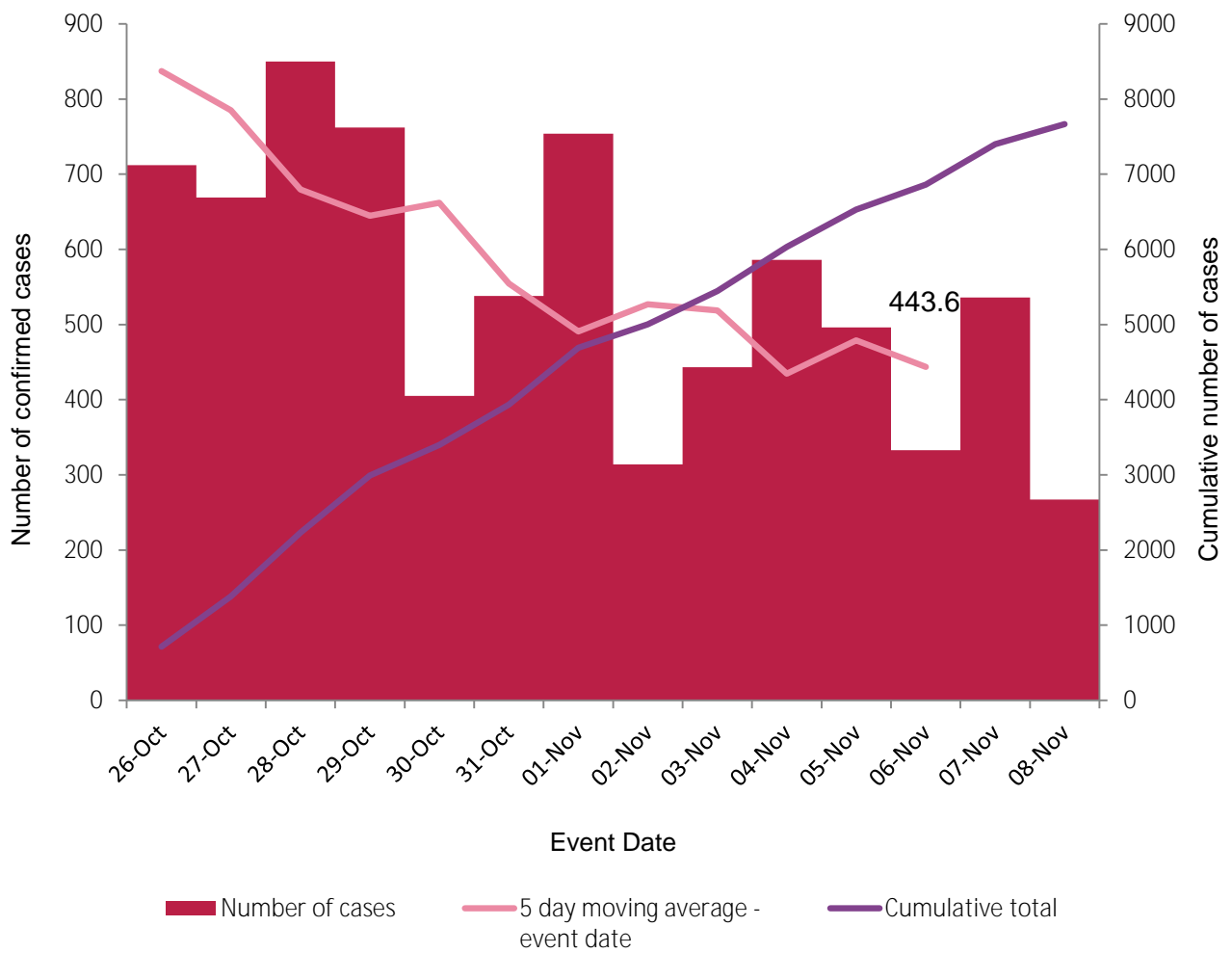


Figure 1 . Daily number and cumulative number of confirmed cases of COVID -19, and 5-day moving average, by notification date from 26/10/2020 to midnight 08/11/2020 (n=7,665)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 26/10/2020 up to midnight on 08/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,665	100
Sex	Male:Female ratio	0.93	
	Male	3,682	48.04
	Female	3,971	51.81
	Unknown	12	0.16
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 103	
	0-4 yrs	331	4.32
	5-12 yrs	631	8.23
	13-18 yrs	658	8.58
	19-24 yrs	957	12.49
	25-34 yrs	1,199	15.64
	35-44 yrs	1,162	15.16
	45-54 yrs	1,107	14.44
	55-64 yrs	745	9.72
	65-74 yrs	431	5.62
	75-84 yrs	267	3.48
	85+ yrs	175	2.28
	Unknown	2	0.03
Underlying clinical conditions	Yes	976	12.73
	No	5,436	70.92
	Unknown	1,253	16.35
Symptom status at time of test*	Yes	4,261	55.59
	No	1,967	25.66
	Unknown	1,437	18.75

*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 3: Characteristics of confirmed COVID-19 cases by CHO notified from 26/10/2020 to midnight 08/11/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	758	9.89	0.97	37	60	7.92	241	31.79
CHO2	635	8.28	0.89	39	68	10.71	446	70.24
CHO3	703	9.17	1.04	37	54	7.68	102	14.51
CHO4	1,219	15.9	1	38	67	5.5	297	24.36
CHO5	544	7.1	0.88	37	24	4.41	317	58.27
CHO6	437	5.7	0.93	39	28	6.41	27	6.18
CHO7	985	12.85	0.84	37	63	6.4	91	9.24
CHO8	1,075	14.02	0.89	38	76	7.07	206	19.16
CHO9	1,309	17.08	0.92	33	83	6.34	128	9.78
National	7,665	100	0.93	37	523	6.82	1,855	24.2

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 26/10/2020 to midnight 08/11/2020

Most likely transmission source	Number of cases	Percent
Travel related *	73	0.95%
Close contact with a known confirmed case	3,607	47.06%
Healthcare setting acquired: patient	264	3.44%
Healthcare setting acquired: staff	210	2.74%
Community transmission	1,343	17.52%
Under investigation	2,168	28.28%
Total	7,665	100.00%

*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

Table 7: Number of confirmed COVID-19 cases by country of infection notified from 26/10/2020 to midnight 08/11/2020

Country of infection	Number of cases	Percent
Hungary	1	0.01%
India	1	0.01%
Iran, Islamic Republic of	1	0.01%
Ireland	3,904	50.93%
Isle of Man	1	0.01%
Israel	1	0.01%
Not specified	3,697	48.23%
Poland	3	0.04%
Sweden	1	0.01%
United kingdom	1	0.01%
Unknown	54	0.70%
Total	7,665	100.00%

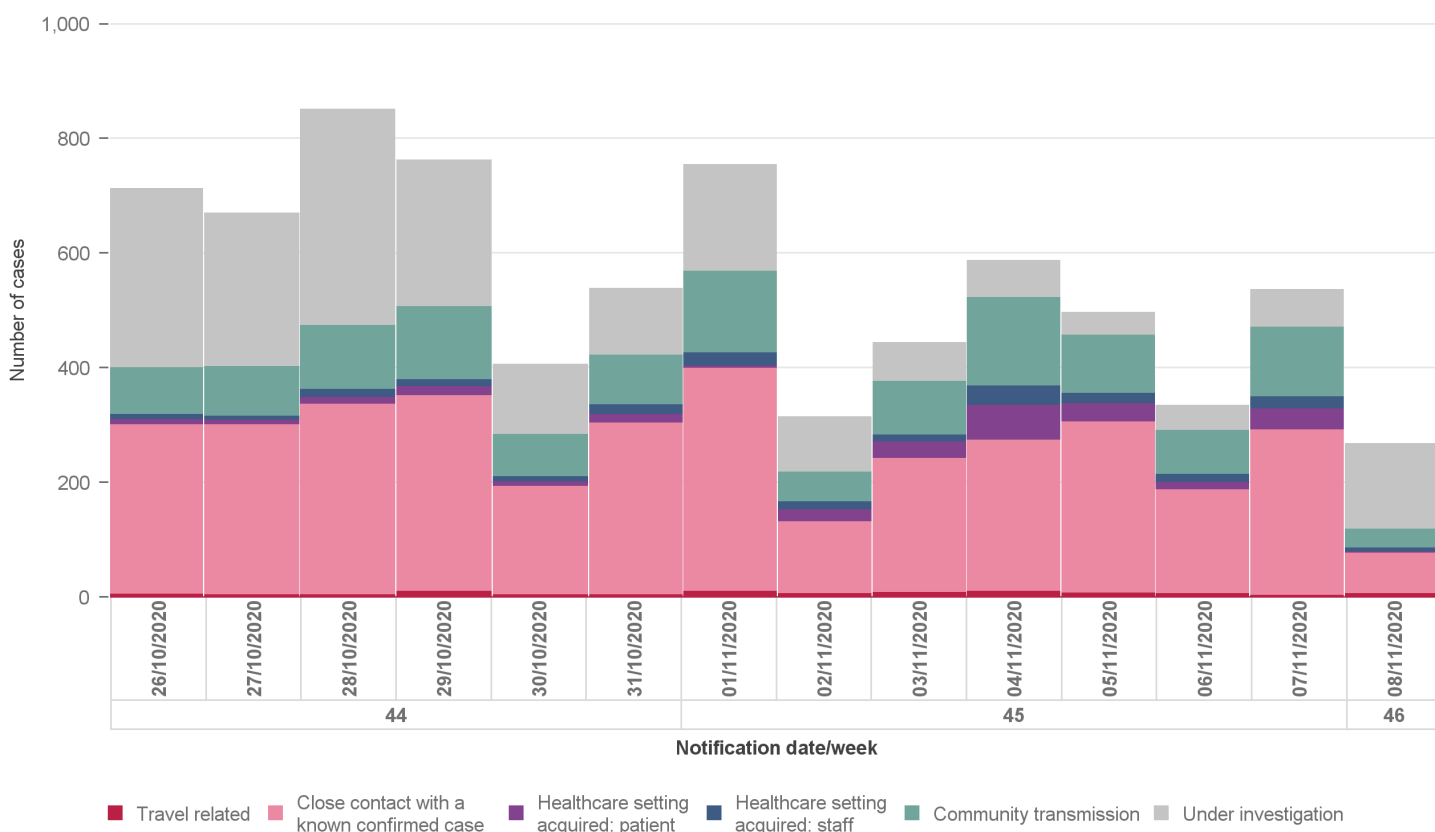


Figure 3: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 26/10/2020 to midnight 08/11/2020

Deaths among COVID-19 cases

Table 11: Summary of deaths in all COVID-19 cases notified in Ireland from 26/10/2020 up to midnight 08/11/2020

	Number	Percent
Total number of deaths	11	
Confirmed	9	81.82
Possible	2	18.18
Total number of cases hospitalised	7	63.64
Cases admitted to ICU	2	18.18
Cases not admitted to ICU	5	45.45
Total number of imported cases	1	9.09
Number of cases in healthcare workers	0	
Number with underlying clinical conditions	5	45.45
Total number of male cases	8	72.73
M:F ratio	2.67	
Median age (years)	79	
Mean age (years)	78	
Age range (years)	66 - 93	

Table 12: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 26/10/2020 up to midnight 08/11/2020

Age group (years)	Female	Male	Total	Percent
65-74 yrs	2	3	5	45.45
75-84 yrs	1	3	4	36.36
85+ yrs		2	2	18.18
Total	3	8	11	100
Percent	27.27	72.73		

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 09/11/2020. 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: Trends in confirmed COVID-19 cases notified in Ireland by HSE area

Table A: Cumulative number of confirmed COVID-19 cases notified in Ireland by week of notification and HSE area from 26/10/2020 to midnight 08/11/2020

Week	Date	E	M	MW	NE	NW	S	SE	W	Total
44	26/10/2020	257	40	42	81	13	151	56	72	712
44	27/10/2020	248	35	80	115	24	116	29	22	669
44	28/10/2020	279	42	60	87	63	183	68	68	850
44	29/10/2020	274	59	53	104	50	127	23	72	762
44	30/10/2020	97	21	31	28	36	61	51	80	405
44	31/10/2020	199	27	77	53	39	95	21	27	538
45	01/11/2020	341	50	48	66	34	96	63	56	754
45	02/11/2020	109	18	16	68	22	29	35	17	314
45	03/11/2020	178	18	39	37	22	68	21	60	443
45	04/11/2020	151	30	67	56	86	96	59	41	586
45	05/11/2020	186	37	51	55	19	80	16	52	496
45	06/11/2020	81	16	29	20	49	47	51	40	333
45	07/11/2020	223	49	69	34	71	52	26	12	536
46	08/11/2020	108	13	41	21	25	18	25	16	267

2020	39	20/09/2020	26/09/2020
2020	40	27/09/2020	03/10/2020
2020	41	04/10/2020	10/10/2020
2020	42	11/10/2020	17/10/2020
2020	43	18/10/2020	24/10/2020
2020	44	25/10/2020	31/10/2020
2020	45	01/11/2020	07/11/2020
2020	46	08/11/2020	14/11/2020
2020	47	15/11/2020	21/11/2020
2020	48	22/11/2020	28/11/2020
2020	49	29/11/2020	05/12/2020
2020	50	06/12/2020	12/12/2020
2020	51	13/12/2020	19/12/2020
2020	52	20/12/2020	26/12/2020
2020	53	27/12/2020	02/01/2021