



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 11/09/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 28/08/2020 up to midnight 10/09/2020

	Number	Percent
Total number of confirmed cases	1,997	
National incidence of confirmed cases per 100,000 population	41.94	
Number of cases hospitalised*	57	2.85
Number of cases admitted to ICU*	3	0.15
Number of deaths among confirmed cases	3	0.15
Case fatality ratio (CFR, %)	0.15	
National incidence of confirmed deaths per 100,000 population	0.06	
Number of cases** associated with clusters	723	36.2
Number of imported cases	39	1.95
Number of cases in healthcare workers	225	11.27
Males	977	48.92
Females	1,013	50.73
M:F ratio	0.96	
Median age (years)	33	
Mean age (years)	36	
Age range (years)	0 - 98	

* 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
28/08/2020 - 10/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 16:46 on 11/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

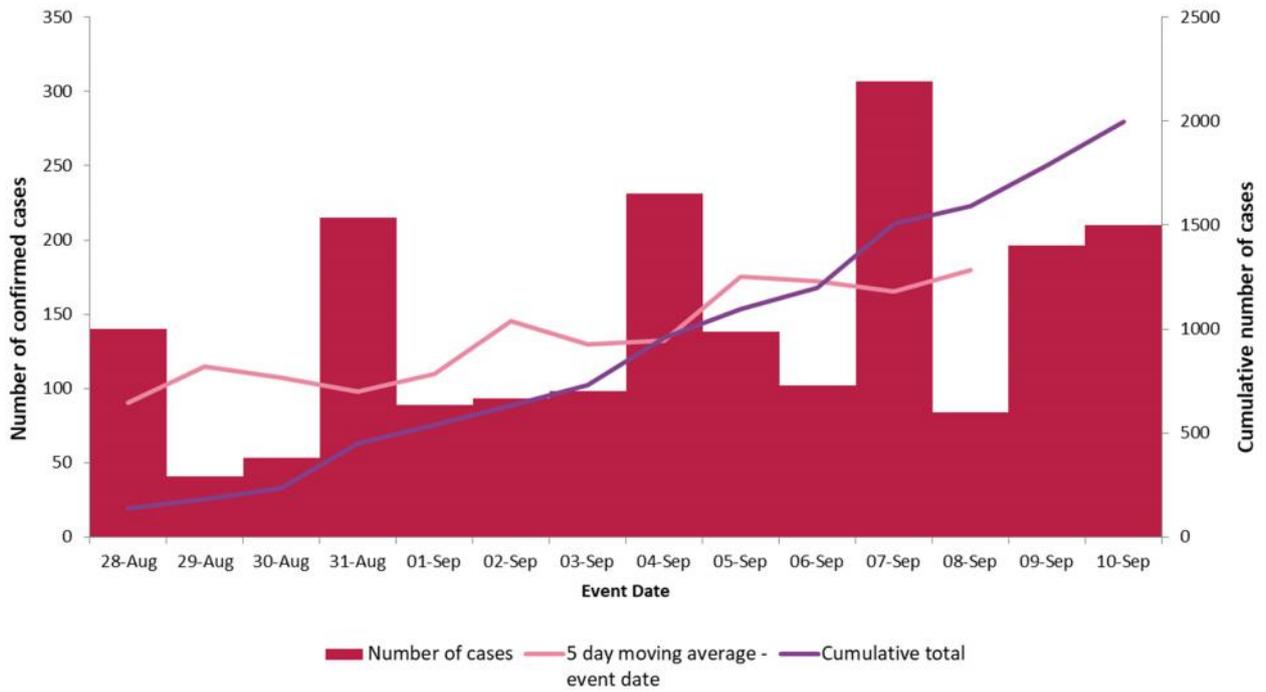


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=1,997)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 28/08/2020 up to midnight on 10/09/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		1,997	100
Sex	Male:Female ratio	0.96	
	Male	977	48.92
	Female	1,013	50.73
	Unknown	7	0.35
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	85	4.26
	5-14 yrs	184	9.21
	15-24 yrs	409	20.48
	25-34 yrs	387	19.38
	35-44 yrs	318	15.92
	45-54 yrs	249	12.47
	55-64 yrs	169	8.46
	65-74 yrs	95	4.76
	75-84 yrs	58	2.9
	85+ yrs	42	2.1
	Unknown	1	0.05
Underlying clinical conditions	Yes	573	28.69
	No	1,202	60.19
	Unknown	222	11.12

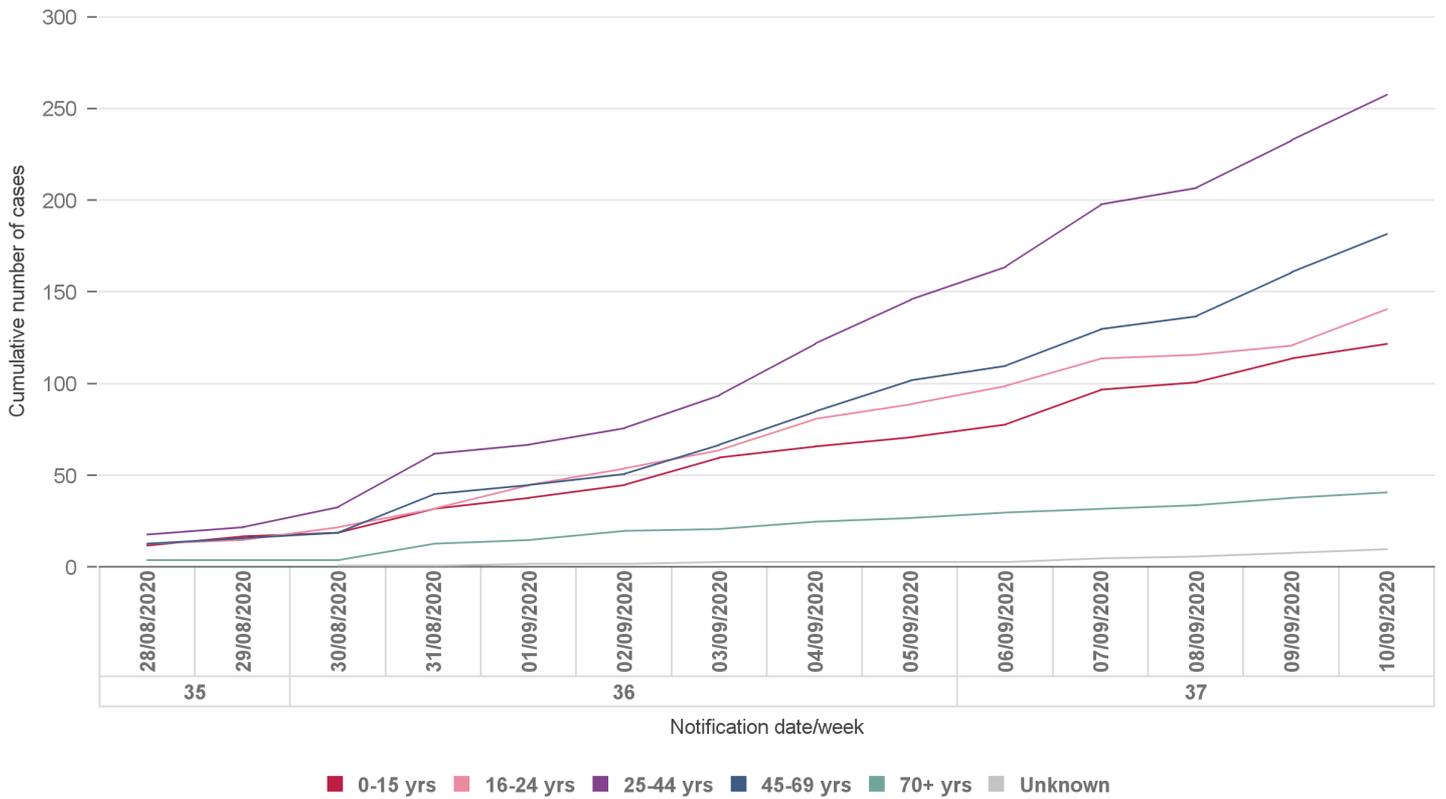


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 28/08/2020 to midnight 10/09/2020

Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified from 28/08/2020 to midnight 10/09/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	85	4.26	0.98	32	8	9.41	63	74.12
CHO2	63	3.15	1.03	34	9	14.29	36	57.14
CHO3	181	9.06	0.95	35	9	4.97	133	73.48
CHO4	60	3	0.88	31	5	8.33	35	58.33
CHO5	157	7.86	0.96	37	11	7.01	70	44.59
CHO6	221	11.07	1.05	39	28	12.67	32	14.48
CHO7	509	25.49	0.97	36	64	12.57	145	28.49
CHO8	208	10.42	0.86	37	37	17.79	132	63.46
CHO9	513	25.69	0.98	35	54	10.53	77	15.01
National	1,997	100	0.96	36	225	11.27	723	36.2

Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified in Ireland from 28/08/2020 to midnight 10/09/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	85	21.7
CHO2	63	13.9
CHO3	181	47.0
CHO4	60	8.7
CHO5	157	30.8
CHO6	221	57.7
CHO7	509	71.9
CHO8	208	33.6
CHO9	513	82.6
Ireland	1,997	41.9



*CHO1: Cavan, Donegal, Monaghan, Leitrim, Sligo
 CHO2: Galway, Mayo, Roscommon
 CHO3: Clare, Limerick, Tipperary North
 CHO4: Cork, Kerry
 CHO5: Carlow, Kilkenny, Tipperary South, Waterford, Wexford
 CHO6: Dublin South East, Dun Laoghaire, Wicklow
 CHO7: Dublin South City, Dublin South West, Dublin West, Kildare/West Wicklow
 CHO8: Laois, Longford, Louth, Meath, Offaly, Westmeath
 CHO9: Dublin North, Dublin North Central & Dublin North West

Table 4: Number of confirmed COVID-19 cases by county notified in Ireland from 28/08/2020 to midnight 10/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	11	19.3
Cavan	11	14.4
Clare	35	29.5
Cork	42	7.7
Donegal	37	23.2
Dublin	1055	78.3
Galway	44	17.1
Kerry	18	12.2
Kildare	139	62.5
Kilkenny	31	31.2
Laois	26	30.7
Leitrim	18	56.2
Limerick	135	69.3
Longford	20	48.9
Louth	54	41.9
Mayo	11	8.4
Meath	43	22.0
Monaghan	16	26.1
Offaly	38	48.7
Roscommon	8	12.4
Sligo	<5	4.6
Tipperary	49	30.7
Waterford	38	32.7
Westmeath	25	28.2
Wexford	41	27.4
Wicklow	49	34.4
Ireland	1,997	41.9

Table 5: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices (LHOs) notified from 28/08/2020 to midnight 10/09/2020

CCA	Local Health Office	Number of cases in past 14 days based on event date	14 day incidence rates based on event dates	Population (2016 Census)
CCA1	Dublin South	53	38.9	136,074
CCA2	Dublin South East	122	98.6	123,704
CCA3	Dublin South City	110	73.4	149,935
CCA4	Dublin South West	130	80.8	160,898
CCA5	Dublin West	127	81.8	155,343
CCA6	Dublin North West	198	95.3	207,670
CCA7	Dublin North Central	110	71.2	154,583
CCA8	Dublin North	205	79.1	259,152
	Dublin	1055	78.3	1,347,359

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 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 28/08/2020 to midnight 10/09/2020

Most likely transmission source	Number of cases	Percent
Travel related	117	5.86%
Close contact with a known confirmed case	1,013	50.73%
Healthcare setting acquired: patient	59	2.95%
Healthcare setting acquired: staff	74	3.71%
Community transmission	512	25.64%
Under investigation	222	11.12%
Total	1,997	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

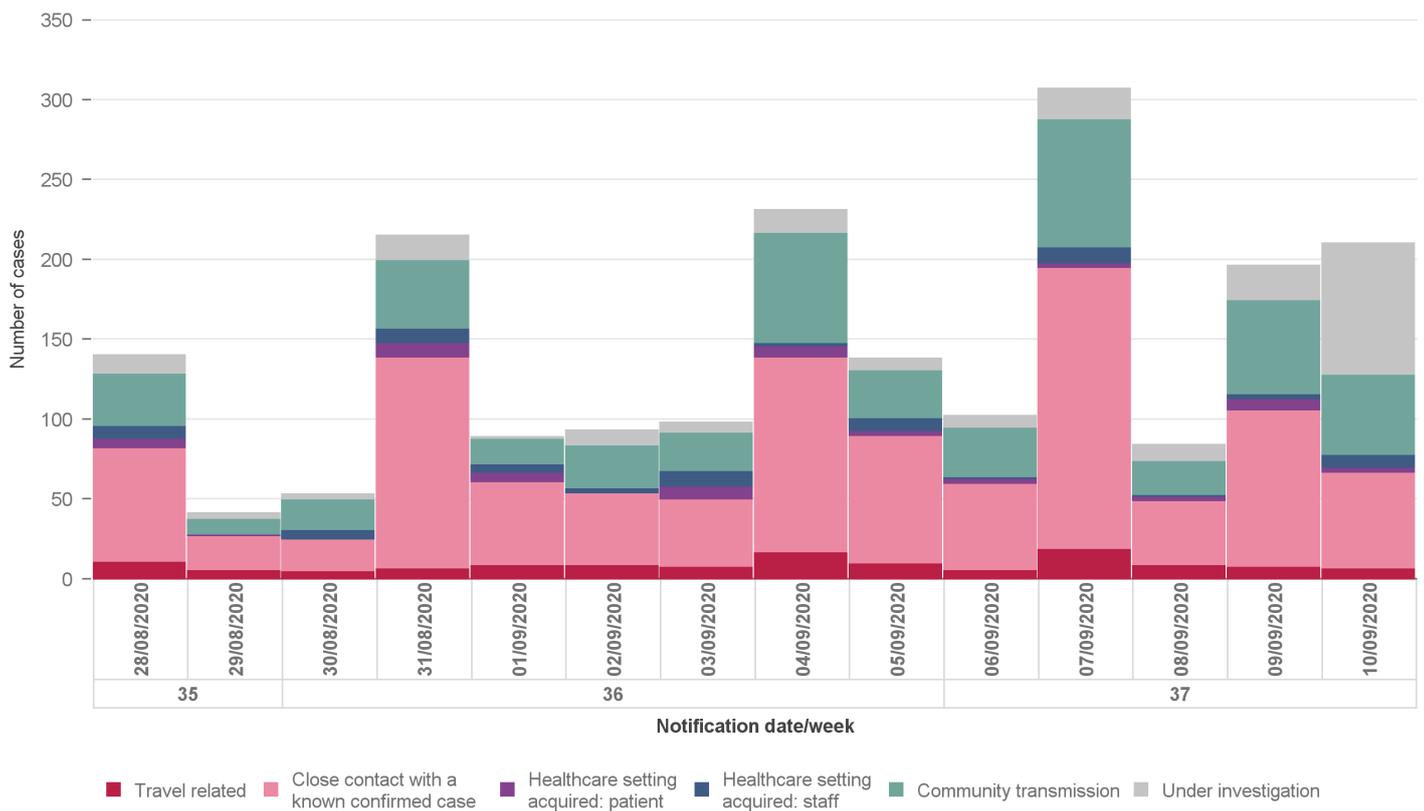


Figure 3: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 28/08/2020 to midnight 10/09/2020

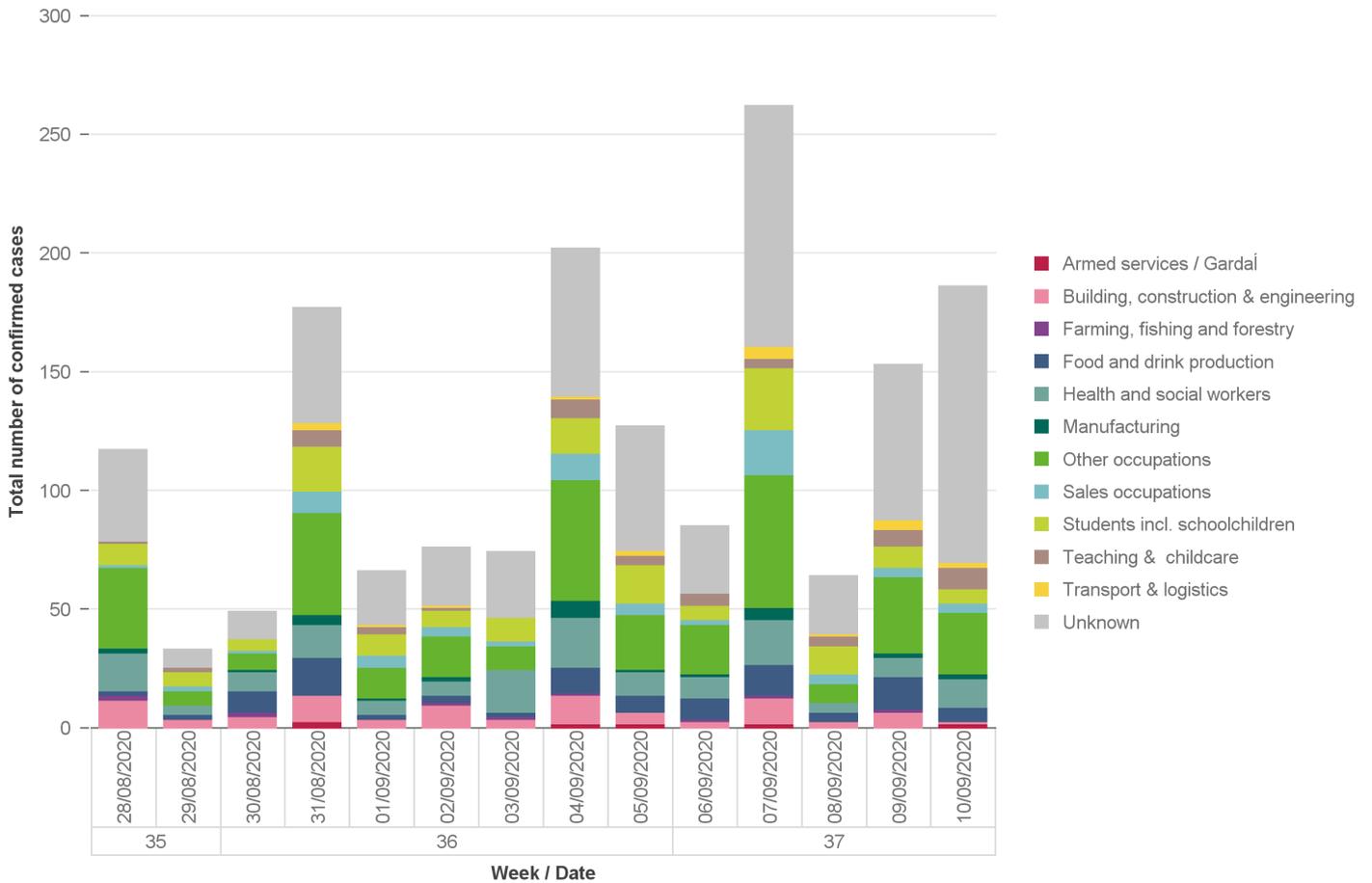


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation* from 28/08/2020 to midnight 10/09/2020

*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 28/08/2020 to midnight 10/09/2020 by age group and hospital, ICU* and vital status

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	85	2	3.51	1	33.33
5-14 yrs	184	1	1.75	0	0
15-24 yrs	409	6	10.53	0	0
25-34 yrs	387	5	8.77	1	33.33
35-44 yrs	318			0	0
45-54 yrs	249	7	12.28	0	0
55-64 yrs	169	6	10.53	1	33.33
65-74 yrs	95	11	19.3	0	0
75-84 yrs	58	9	15.79	0	0
85+ yrs	42	10	17.54	0	0
Unknown	1			0	0
Total	1,997	57	100	3	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 16:46 on 9/11/20. 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 epidemiological date, which is the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date, 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.