



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 08/09/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 25/08/2020 up to midnight 07/09/2020

	Number	Percent
Total number of confirmed cases	1,888	
National incidence of confirmed cases per 100,000 population	39.65	
Number of cases hospitalised*	59	3.13
Number of cases admitted to ICU*	2	0.11
Number of deaths among confirmed cases	1	0.05
Case fatality ratio (CFR, %)	0.05	
National incidence of confirmed deaths per 100,000 population	0.02	
Number of cases** associated with clusters	719	38.08
Number of imported cases	37	1.96
Number of cases in healthcare workers	210	11.12
Males	944	50
Females	939	49.74
M:F ratio	1.01	
Median age (years)	32	
Mean age (years)	35	
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
25/08/2020 - 07/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:18 on 08/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

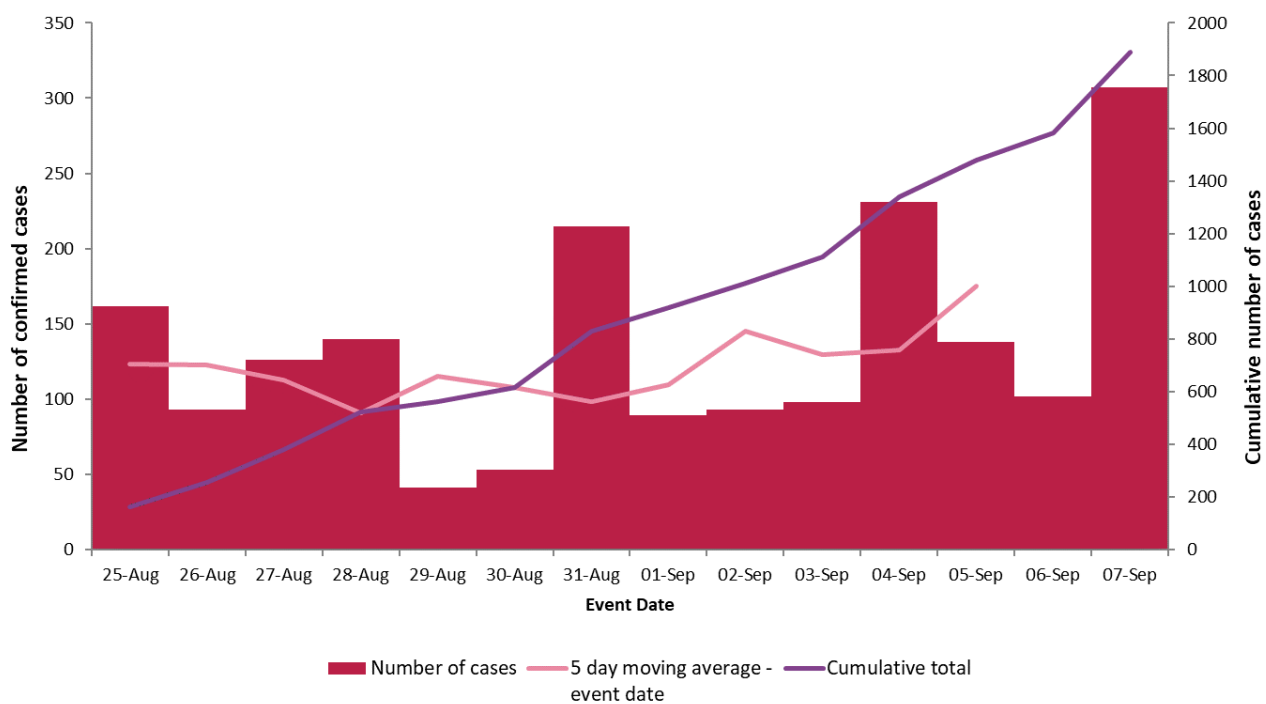


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=1,888)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 25/08/2020 up to midnight on 07/09/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		1,888	100
Sex	Male:Female ratio	1.01	
	Male	944	50
	Female	939	49.74
	Unknown	5	0.26
Age	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 98	
	0-4 yrs	72	3.81
	5-14 yrs	163	8.63
	15-24 yrs	414	21.93
	25-34 yrs	366	19.39
	35-44 yrs	310	16.42
	45-54 yrs	242	12.82
	55-64 yrs	157	8.32
	65-74 yrs	73	3.87
	75-84 yrs	55	2.91
	85+ yrs	33	1.75
	Unknown	3	0.16
Underlying clinical conditions	Yes	502	26.59
	No	1,155	61.18
	Unknown	231	12.24

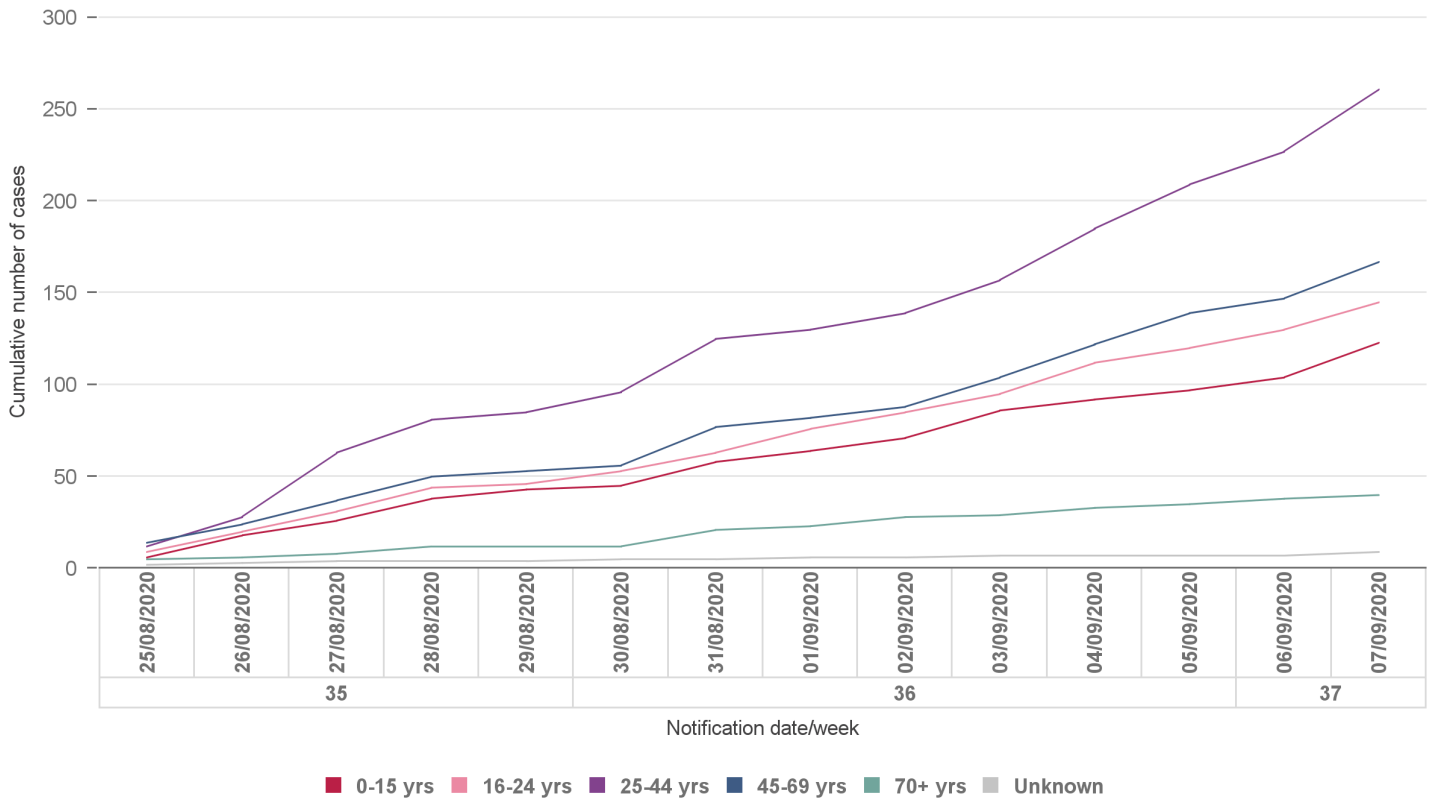


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 25/08/2020 to midnight 07/09/2020

Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified from 25/08/2020 to midnight 07/09/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	95	5.03	1.26	31	7	7.37	73	76.84
CHO2	53	2.81	1.3	29	5	9.43	35	66.04
CHO3	170	9	0.93	33	8	4.71	48	28.24
CHO4	64	3.39	1.29	30	<5	6.25	43	67.19
CHO5	188	9.96	0.96	38	12	6.38	86	45.74
CHO6	190	10.06	1.03	38	26	13.68	36	18.95
CHO7	512	27.12	0.99	36	64	12.5	174	33.98
CHO8	175	9.27	1.01	37	39	22.29	112	64.0
CHO9	441	23.36	0.95	34	45	10.2	112	25.40
National	1,888	100	1.01	35	210	11.12	719	38.08

Table 3: Number of confirmed COVID-19 cases by CHO notified in Ireland from 25/08/2020 to midnight 07/09/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	95	24.3
CHO2	53	11.7
CHO3	170	44.2
CHO4	64	9.3
CHO5	188	36.8
CHO6	190	49.6
CHO7	512	72.3
CHO8	175	28.3
CHO9	441	71.0
Ireland	1,888	39.6

*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 25/08/2020 to midnight 07/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	28	49.2
Cavan	16	21.0
Clare	32	26.9
Cork	46	8.5
Donegal	33	20.7
Dublin	954	70.8
Galway	35	13.6
Kerry	18	12.2
Kildare	154	69.2
Kilkenny	29	29.2
Laois	21	24.8
Leitrim	16	49.9
Limerick	129	66.2
Longford	17	41.6
Louth	39	30.3
Mayo	6	4.6
Meath	42	21.5
Monaghan	27	44.0
Offaly	31	39.8
Roscommon	12	18.6
Sligo	<5	4.6
Tipperary	65	40.7
Waterford	32	27.5
Westmeath	15	16.9
Wexford	53	35.4
Wicklow	35	24.6
Ireland	1,888	39.6

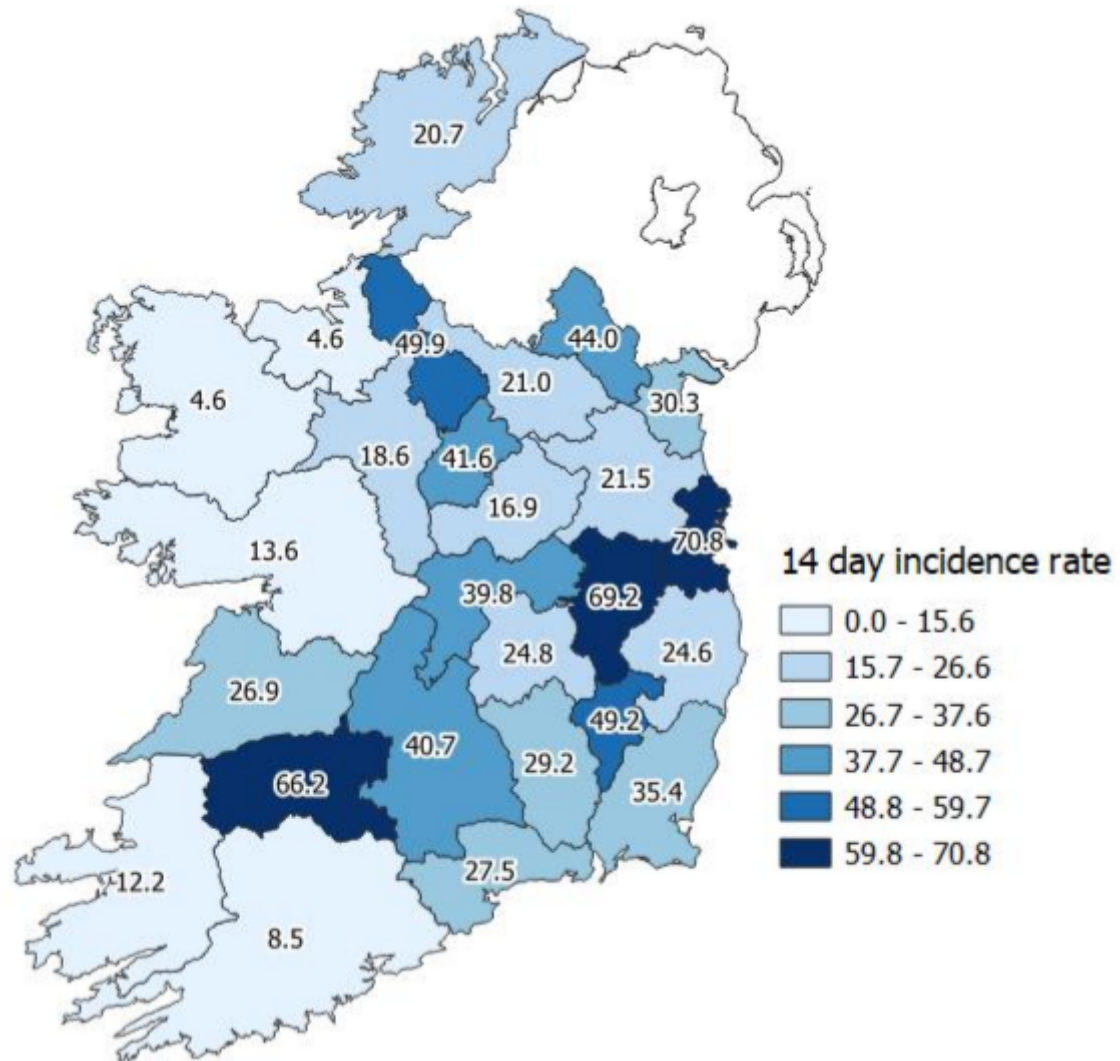


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 25/08/2020 to midnight 07/09/2020

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 5: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices (LHOs) notified from 25/08/2020 to midnight 07/09/2020

CCA	Local Health Office	Number of cases in past 14 days based on event date	14 day incidence rates based on event dates
CCA1	Dublin South	54	39.7
CCA2	Dublin South East	105	84.9
CCA3	Dublin South City	115	76.7
CCA4	Dublin South West	122	75.8
CCA5	Dublin West	117	75.3
CCA6	Dublin North West	171	82.3
CCA7	Dublin North Central	99	64.0
CCA8	Dublin North	171	66.0
	Dublin	954	70.8

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 25/08/2020 to midnight 07/09/2020

Most likely transmission source	Number of cases	Percent
Travel related	122	6.46%
Close contact with a known confirmed case	967	51.22%
Healthcare setting acquired: patient	49	2.60%
Healthcare setting acquired: staff	73	3.87%
Community transmission	452	23.94%
Under investigation	225	11.92%
Total	1,888	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

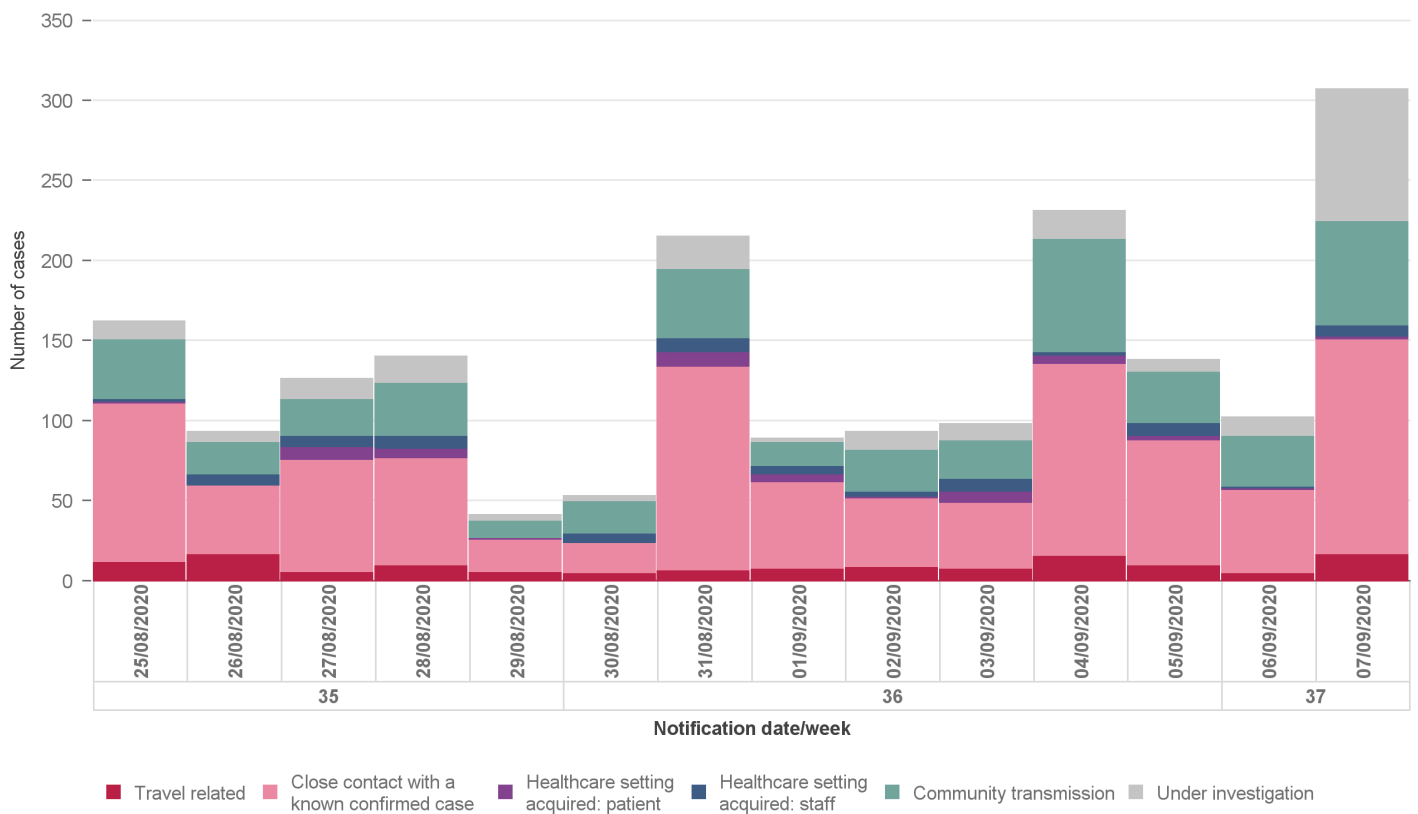


Figure 3: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 25/08/2020 to midnight 07/09/2020

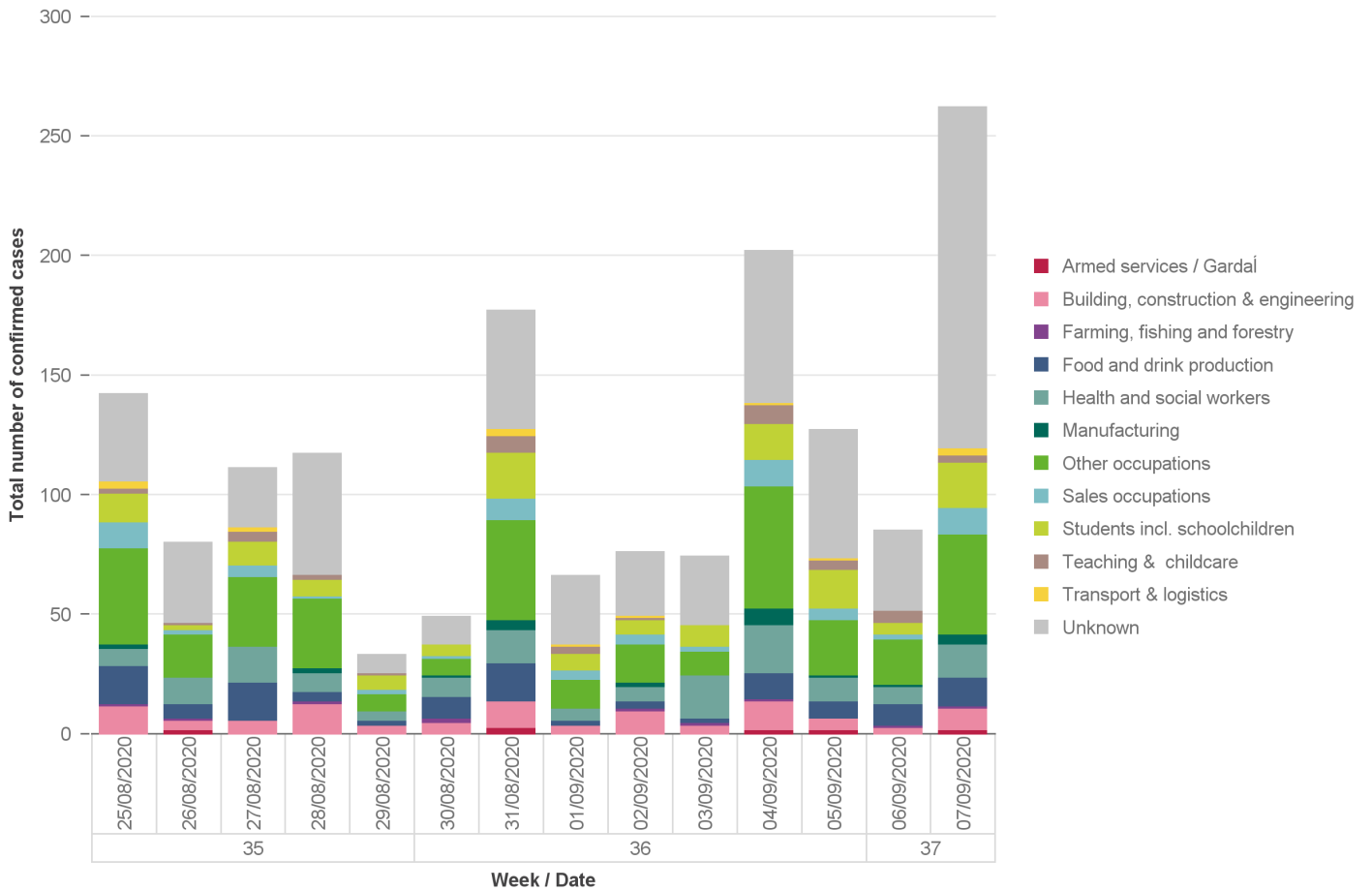


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation* from 25/08/2020 to midnight 07/09/2020

*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 25/08/2020 to midnight 07/09/2020 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	72	1	1.69	1	50
5-14 yrs	163	1	1.69	0	0
15-24 yrs	414	10	16.95	0	0
25-34 yrs	366	4	6.78	1	50
35-44 yrs	310	1	1.69	0	0
45-54 yrs	242	7	11.86	0	0
55-64 yrs	157	4	6.78	0	0
65-74 yrs	73	11	18.64	0	0
75-84 yrs	55	11	18.64	0	0
85+ yrs	33	9	15.25	0	0
Unknown	3			0	0
Total	1,888	59	100	2	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 13:18 on 08/09/2020. 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 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.