



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 12/09/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 29/08/2020 up to midnight 11/09/2020

	Number	Percent
Total number of confirmed cases	2,016	
National incidence of confirmed cases per 100,000 population	42.34	
Number of cases hospitalised*	58	2.88
Number of cases admitted to ICU*	2	0.1
Number of deaths among confirmed cases	4	0.2
Case fatality ratio (CFR, %)	0.2	
National incidence of confirmed deaths per 100,000 population	0.08	
Number of cases** associated with clusters	709	35.17
Number of imported cases	41	2.03
Number of cases in healthcare workers	220	10.91
Males	974	48.31
Females	1,035	51.34
M:F ratio	0.94	
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
29/08/2020 - 11/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:35 on 12/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

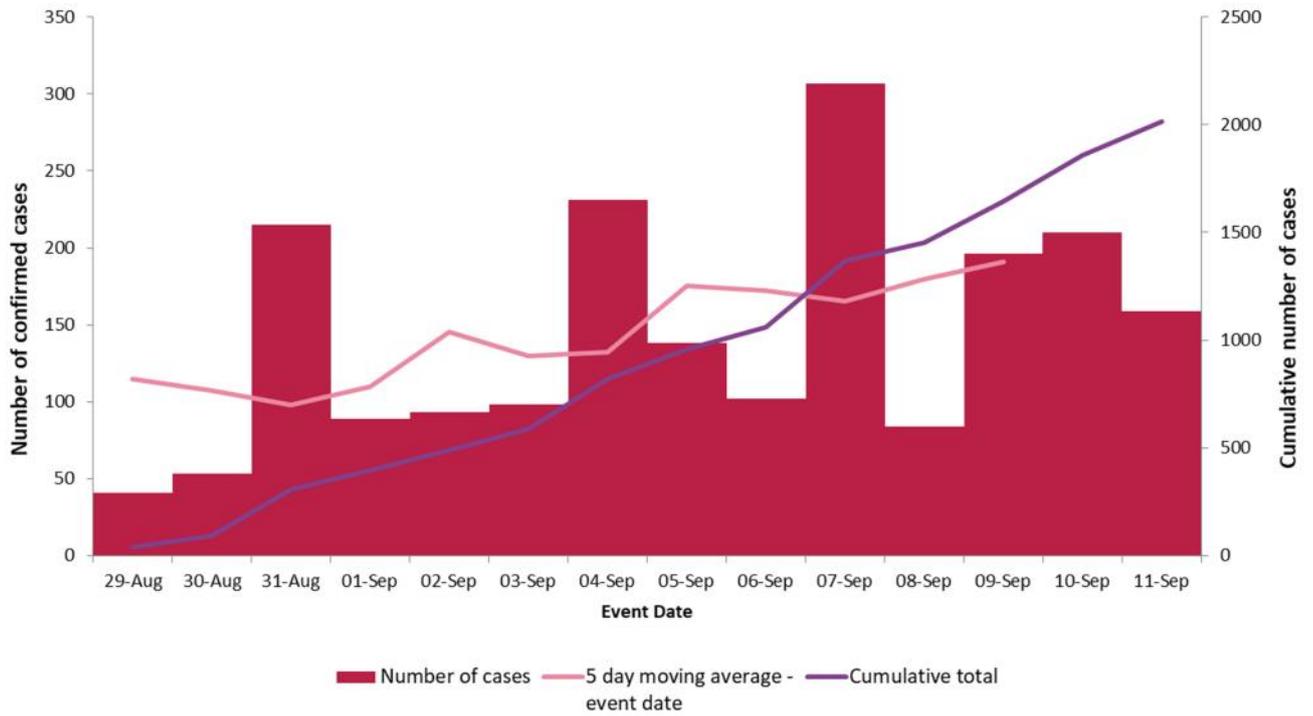


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=2,016)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 29/08/2020 up to midnight on 11/09/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		2,016	100
Sex	Male:Female ratio	0.94	
	Male	974	48.31
	Female	1,035	51.34
	Unknown	7	0.35
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	89	4.41
	5-14 yrs	186	9.23
	15-24 yrs	413	20.49
	25-34 yrs	386	19.15
	35-44 yrs	315	15.63
	45-54 yrs	254	12.6
	55-64 yrs	179	8.88
	65-74 yrs	96	4.76
	75-84 yrs	55	2.73
	85+ yrs	42	2.08
	Unknown	1	0.05
Underlying clinical conditions	Yes	580	28.77
	No	1,228	60.91
	Unknown	208	10.32

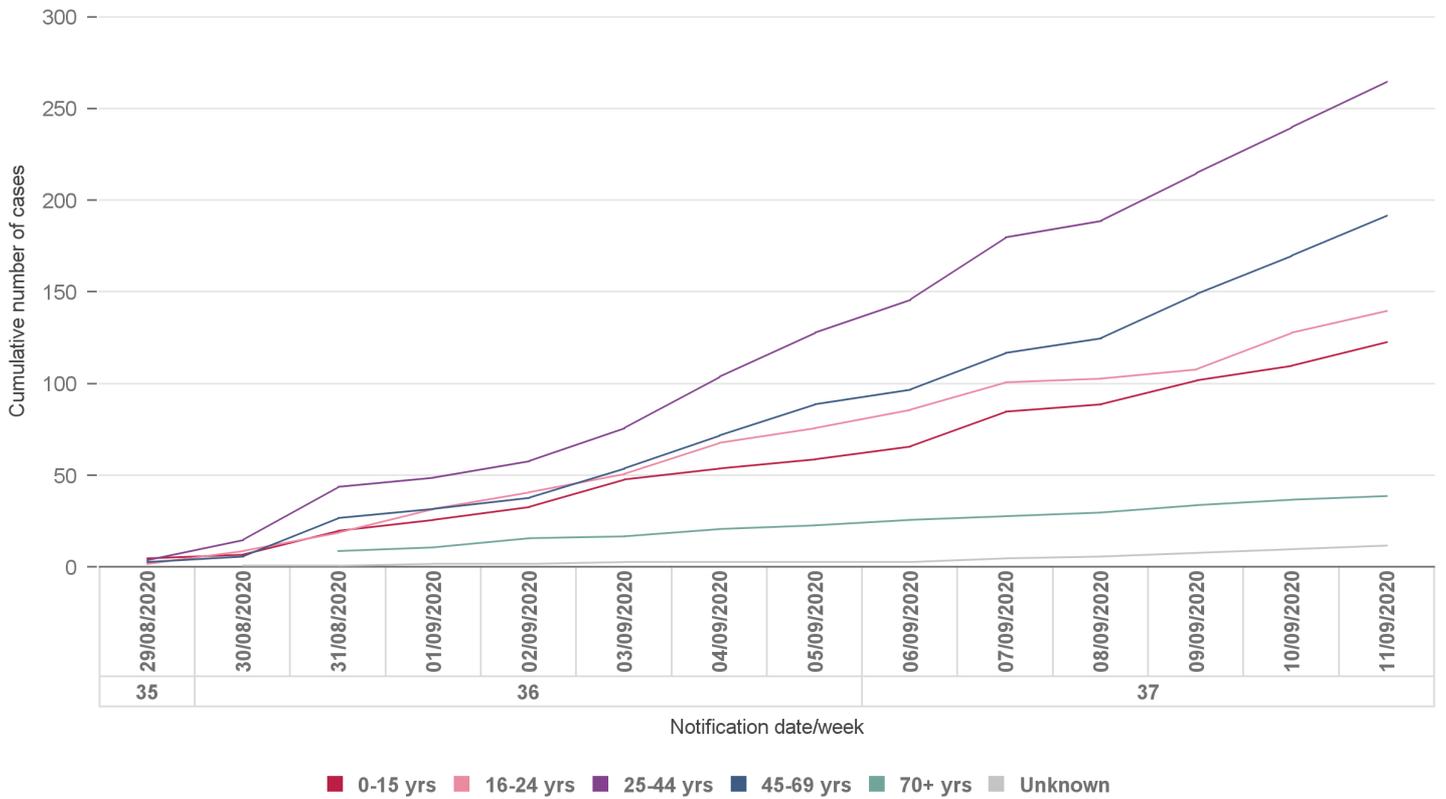


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 29/08/2020 to midnight 11/09/2020

Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified from 29/08/2020 to midnight 11/09/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	81	4.02	1.08	33	8	9.88	55	67.9
CHO2	71	3.52	1.09	33	9	12.68	42	59.15
CHO3	167	8.28	0.96	35	7	4.19	127	76.05
CHO4	64	3.17	0.73	31	5	7.81	36	56.25
CHO5	152	7.54	0.97	36	12	7.89	63	41.45
CHO6	218	10.81	1.08	39	30	13.76	26	11.93
CHO7	496	24.6	0.95	36	57	11.49	132	26.61
CHO8	236	11.71	0.8	37	37	15.68	147	62.29
CHO9	531	26.34	0.92	35	55	10.36	81	15.25
National	2,016	100	0.94	36	220	10.91	709	35.17

Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified in Ireland from 29/08/2020 to midnight 11/09/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	81	20.7
CHO2	71	15.7
CHO3	167	43.4
CHO4	64	9.3
CHO5	152	29.8
CHO6	218	56.9
CHO7	496	70.1
CHO8	236	38.1
CHO9	531	85.5
Ireland	2,016	42.3

*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 29/08/2020 to midnight 11/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	11	19.3
Cavan	12	15.8
Clare	33	27.8
Cork	44	8.1
Donegal	29	18.2
Dublin	1068	79.3
Galway	47	18.2
Kerry	20	13.5
Kildare	127	57.1
Kilkenny	30	30.2
Laois	30	35.4
Leitrim	21	65.5
Limerick	125	64.1
Longford	24	58.7
Louth	64	49.7
Mayo	12	9.2
Meath	47	24.1
Monaghan	16	26.1
Offaly	42	53.9
Roscommon	12	18.6
Sligo	<5	4.6
Tipperary	42	26.3
Waterford	42	36.2
Westmeath	27	30.4
Wexford	38	25.4
Wicklow	50	35.1
Ireland	2,016	42.3

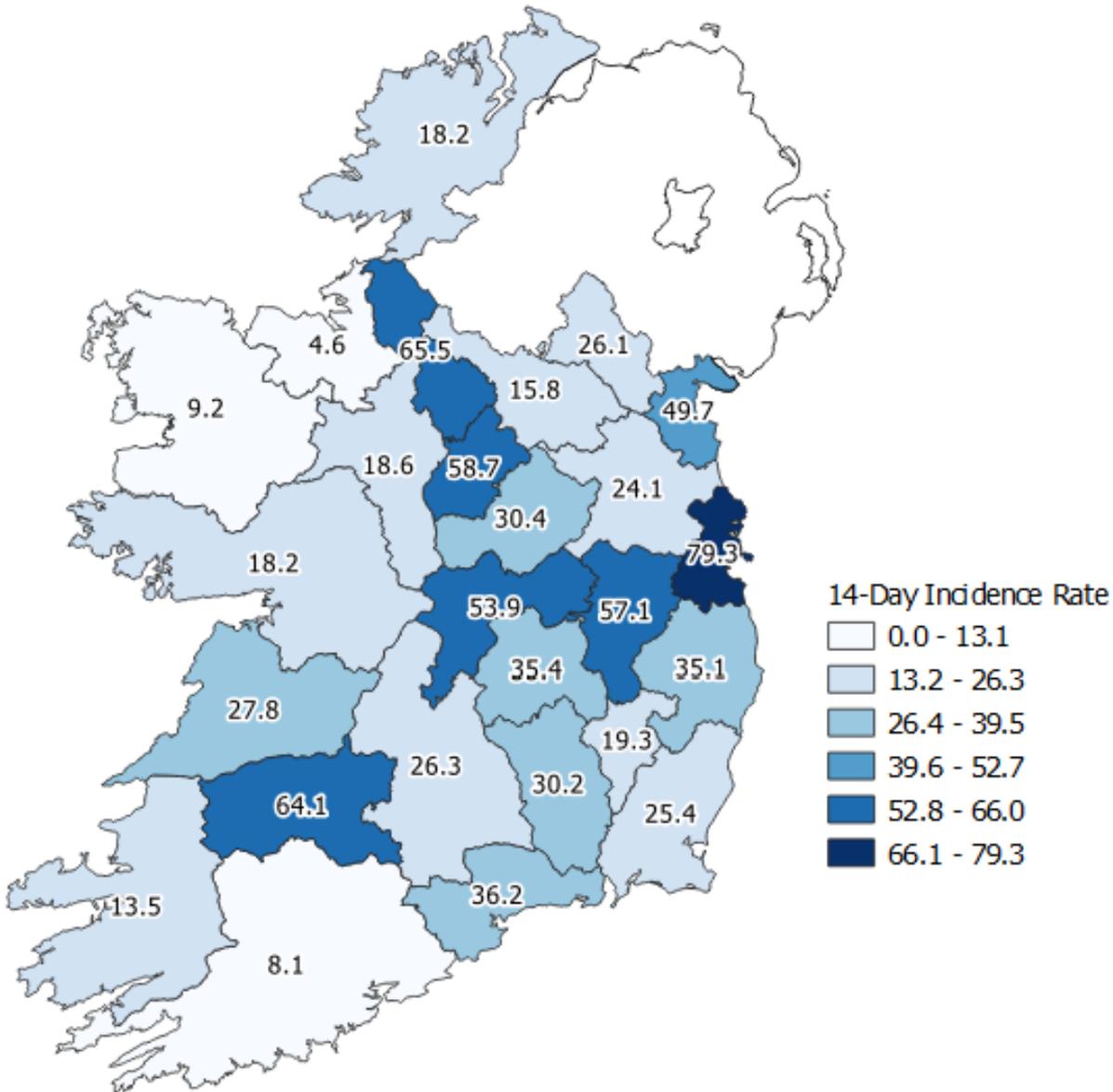


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 29/08/2020 to midnight 11/09/2020

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 29/08/2020 to midnight 11/09/2020

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	44	32.3	136,074
CCA2	Dublin South East	126	101.9	123,704
CCA3	Dublin South City	114	76.0	149,935
CCA4	Dublin South West	125	77.7	160,898
CCA5	Dublin West	128	82.4	155,343
CCA6	Dublin North West	209	100.6	207,670
CCA7	Dublin North Central	118	76.3	154,583
CCA8	Dublin North	204	78.7	259,152
	Dublin	1068	79.3	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 29/08/2020 to midnight 11/09/2020

Most likely transmission source	Number of cases	Percent
Travel related	117	5.80%
Close contact with a known confirmed case	1,044	51.79%
Healthcare setting acquired: patient	57	2.83%
Healthcare setting acquired: staff	72	3.57%
Community transmission	525	26.04%
Under investigation	201	9.97%
Total	2,016	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

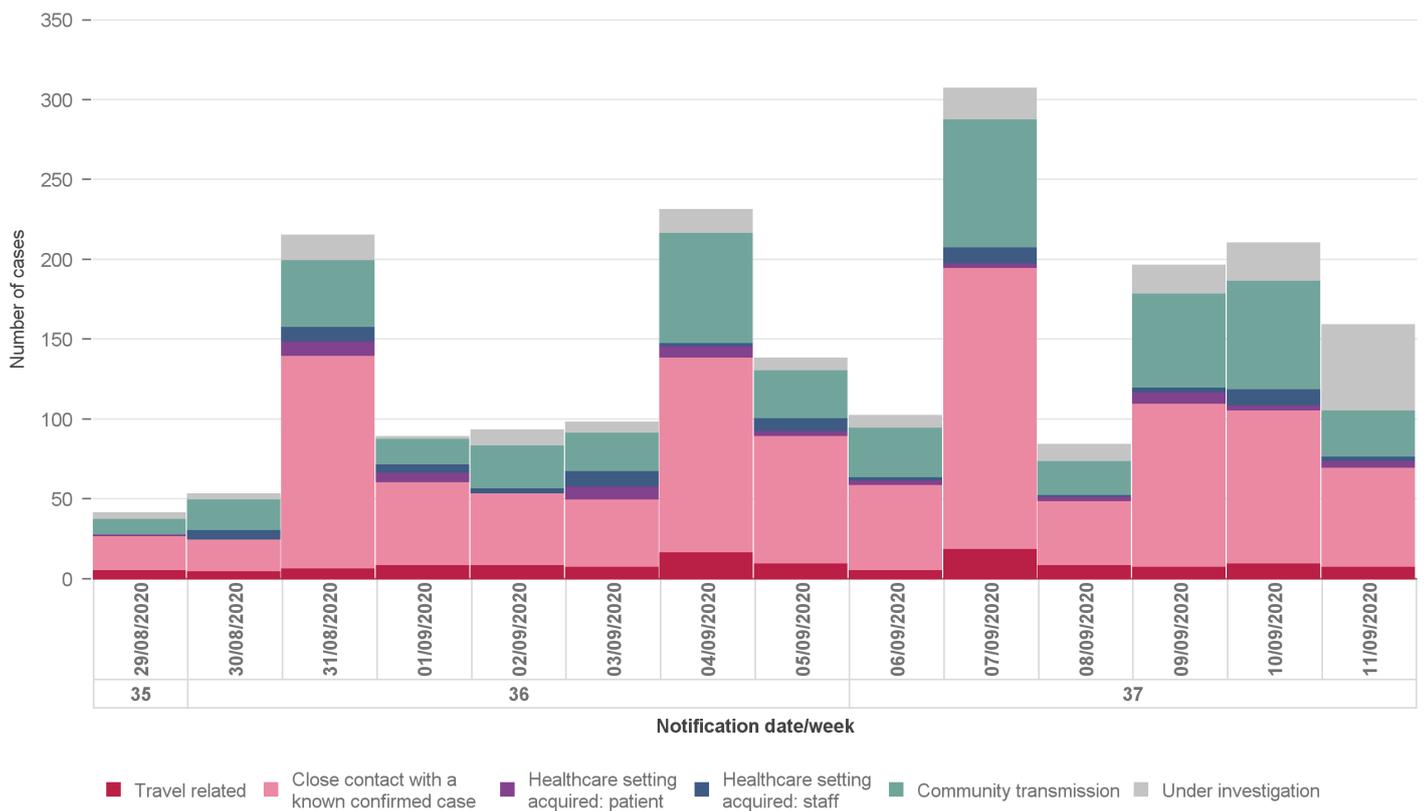


Figure 3: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 29/08/2020 to midnight 11/09/2020

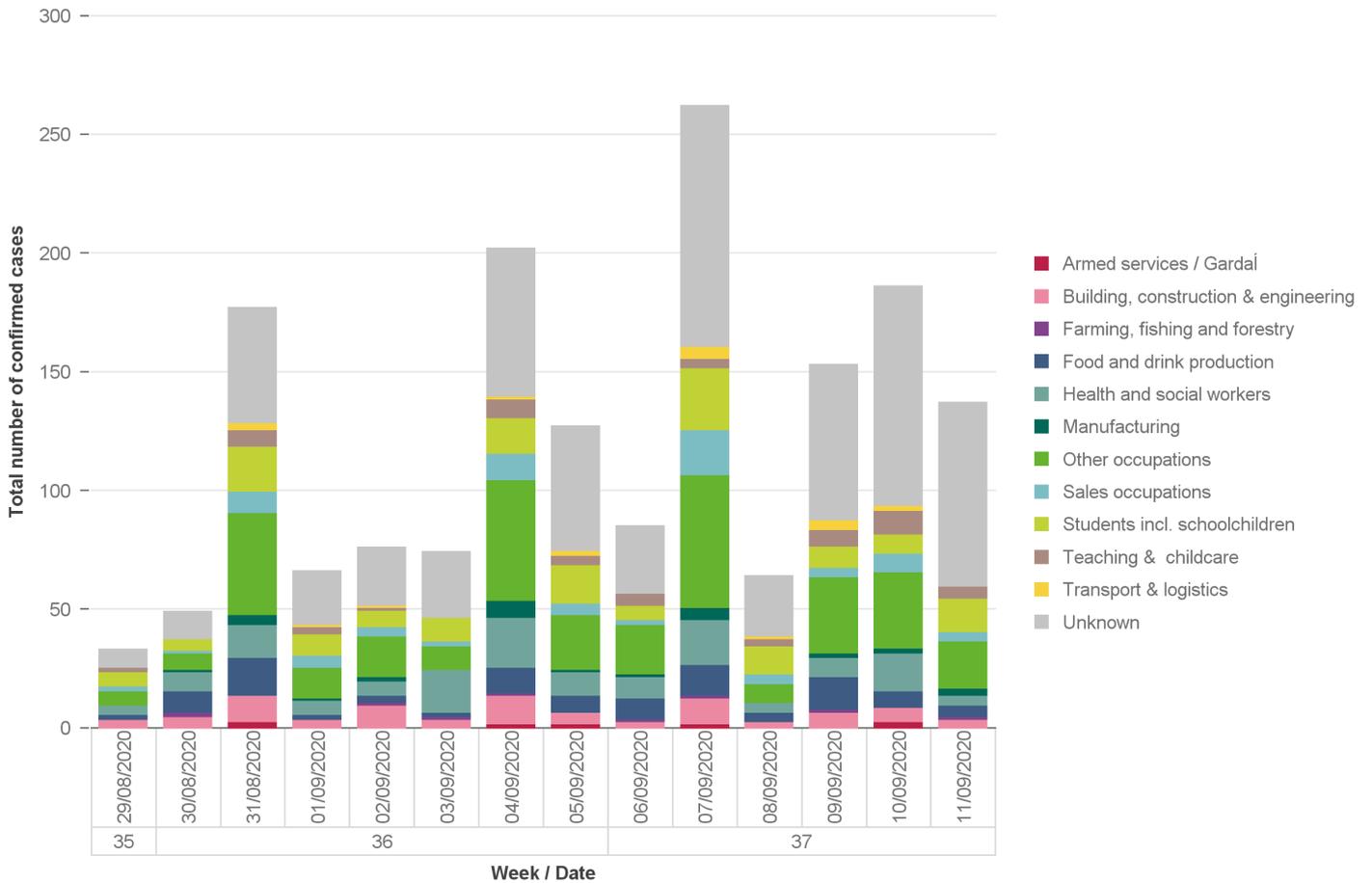


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation* from 29/08/2020 to midnight 11/09/2020

*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 29/08/2020 to midnight 11/09/2020 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	89	3	5.17	1	50
5-14 yrs	186	1	1.72	0	0
15-24 yrs	413	5	8.62	0	0
25-34 yrs	386	3	5.17	0	0
35-44 yrs	315	0	0.0	0	0
45-54 yrs	254	7	12.07	0	0
55-64 yrs	179	7	12.07	1	50
65-74 yrs	96	12	20.69	0	0
75-84 yrs	55	9	15.52	0	0
85+ yrs	42	11	18.97	0	0
Unknown	1			0	0
Total	2,016	58	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 13:35 on 9/12/20. 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.