



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 15/09/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 01/09/2020 up to midnight 14/09/2020

	Number	Percent
Total number of confirmed cases	2,524	
National incidence of confirmed cases per 100,000 population	53	
Number of cases hospitalised*	65	2.58
Number of cases admitted to ICU*	3	0.12
Number of deaths among confirmed cases	6	0.24
Case fatality ratio (CFR, %)	0.24	
National incidence of confirmed deaths per 100,000 population	0.13	
Number of cases** associated with clusters	893	35.38
Number of imported cases	44	1.74
Number of cases in healthcare workers	232	9.19
Males	1,236	48.97
Females	1,282	50.79
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
01/09/2020 - 14/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:20 on 15/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

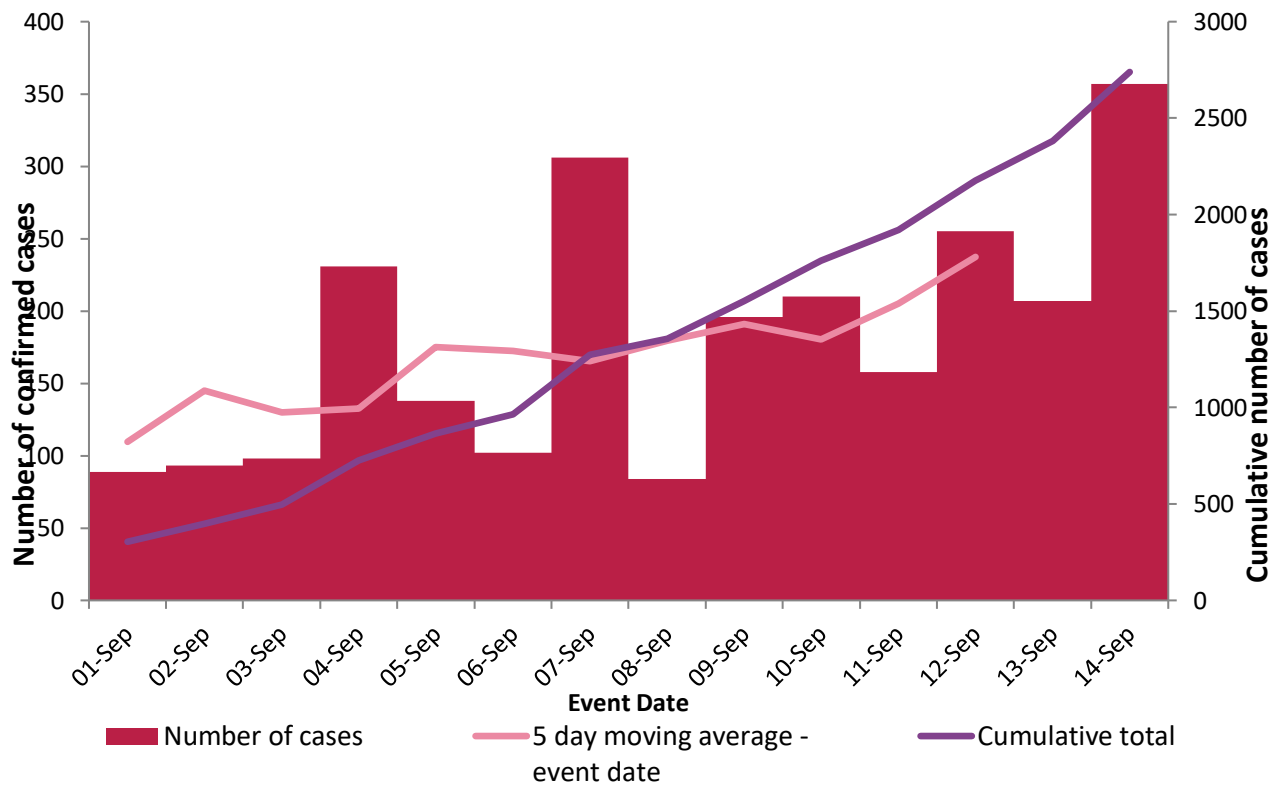


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=2,524) from 01/09/2020 to midnight 14/09/2020

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 01/09/2020 up to midnight on 14/09/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		2,524	100
Sex	Male:Female ratio	0.96	
	Male	1,236	48.97
	Female	1,282	50.79
	Unknown	6	0.24
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	102	4.04
	5-14 yrs	228	9.03
	15-24 yrs	555	21.99
	25-34 yrs	445	17.63
	35-44 yrs	367	14.54
	45-54 yrs	326	12.92
	55-64 yrs	243	9.63
	65-74 yrs	153	6.06
	75-84 yrs	63	2.5
	85+ yrs	41	1.62
	Unknown	1	0.04
Underlying clinical conditions	Yes	705	27.93
	No	1,483	58.76
	Unknown	336	13.31

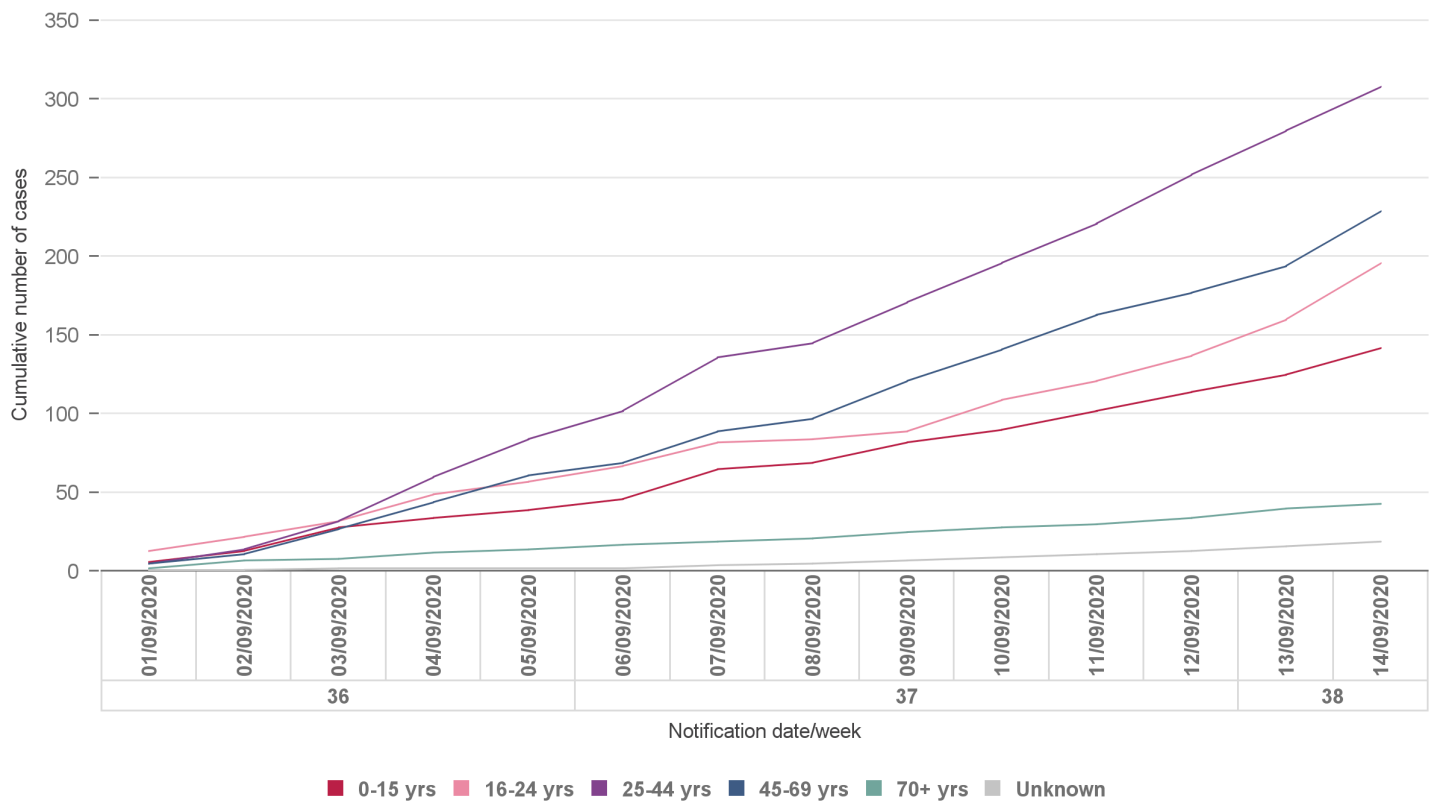


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 01/09/2020 to midnight 14/09/2020

Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified from 01/09/2020 to midnight 14/09/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	111	4.4	1.13	33	9	8.11	78	70.27
CHO2	91	3.61	0.82	34	10	10.99	59	64.84
CHO3	153	6.06	1.01	37	5	3.27	108	70.59
CHO4	85	3.37	0.73	31	6	7.06	60	70.59
CHO5	191	7.57	1.15	34	12	6.28	74	38.74
CHO6	274	10.86	0.98	38	29	10.58	44	16.06
CHO7	600	23.77	1.01	36	52	8.67	100	16.67
CHO8	306	12.12	0.85	36	36	11.76	185	60.46
CHO9	713	28.25	0.94	36	73	10.24	185	25.95
National	2,524	100	0.96	36	232	9.19	893	35.38

Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 01/09/2020 to midnight 14/09/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	111	28.4
CHO2	91	20.1
CHO3	153	39.7
CHO4	85	12.3
CHO5	191	37.4
CHO6	274	71.5
CHO7	600	84.8
CHO8	306	49.4
CHO9	713	114.7
Ireland	2,524	53.0

*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 01/09/2020 to midnight 14/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	14	24.6
Cavan	13	17.1
Clare	33	27.8
Cork	57	10.5
Donegal	54	33.9
Dublin	1401	104.0
Galway	51	19.8
Kerry	28	19.0
Kildare	123	55.3
Kilkenny	31	31.2
Laois	37	43.7
Leitrim	23	71.8
Limerick	114	58.5
Longford	21	51.4
Louth	99	76.8
Mayo	23	17.6
Meath	59	30.2
Monaghan	15	24.4
Offaly	48	61.6
Roscommon	17	26.3
Sligo	6	9.2
Tipperary	30	18.8
Waterford	75	64.6
Westmeath	41	46.2
Wexford	48	32.1
Wicklow	63	44.2
Ireland	2,524	53.0

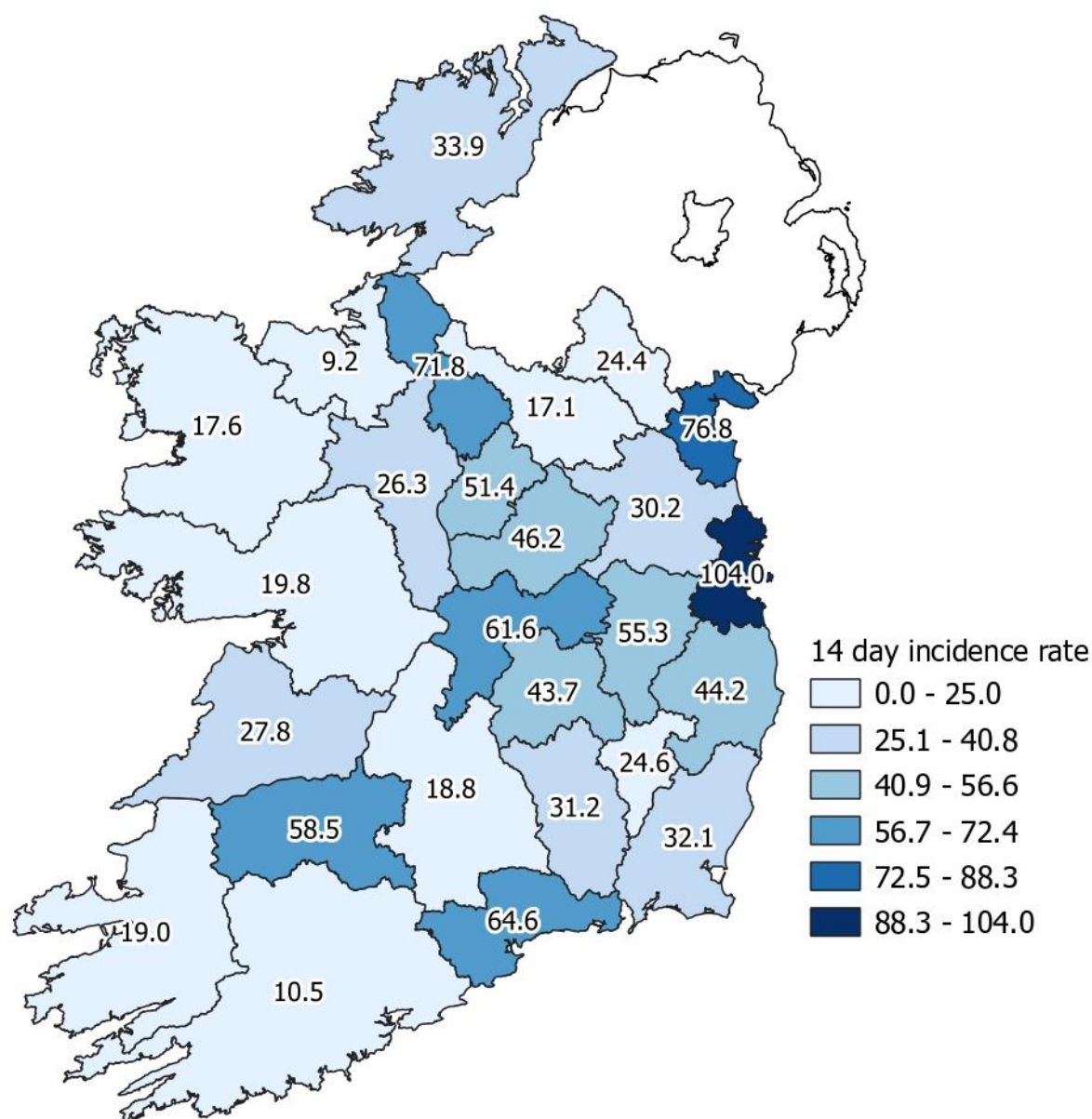


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 01/09/2020 to midnight 14/09/2020

Please do not directly compared 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 01/09/2020 to midnight 14/09/2020

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	62	45.6
CCA2	Dublin South East	151	122.1
CCA3	Dublin South City	137	91.4
CCA4	Dublin South West	175	108.8
CCA5	Dublin West	163	104.9
CCA6	Dublin North West	316	152.2
CCA7	Dublin North Central	166	107.4
CCA8	Dublin North	231	89.1
	Dublin	1401	104.0

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 01/09/2020 to midnight 14/09/2020

Most likely transmission source	Number of cases	Percent
Travel related	126	4.99%
Close contact with a known confirmed case	1,289	51.07%
Healthcare setting acquired: patient	53	2.10%
Healthcare setting acquired: staff	61	2.42%
Community transmission	655	25.95%
Under investigation	340	13.47%
Total	2,524	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

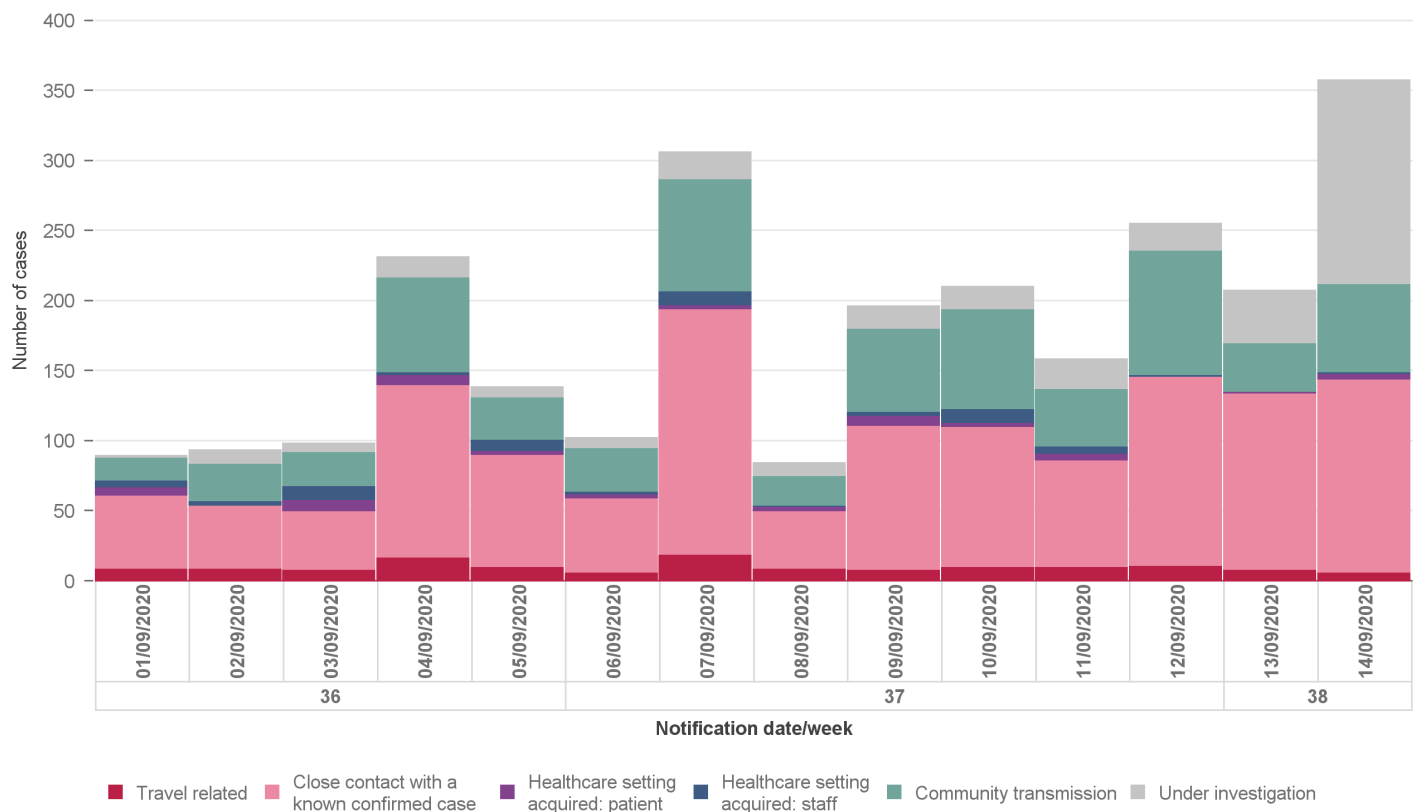


Figure 3: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 01/09/2020 to midnight 14/09/2020

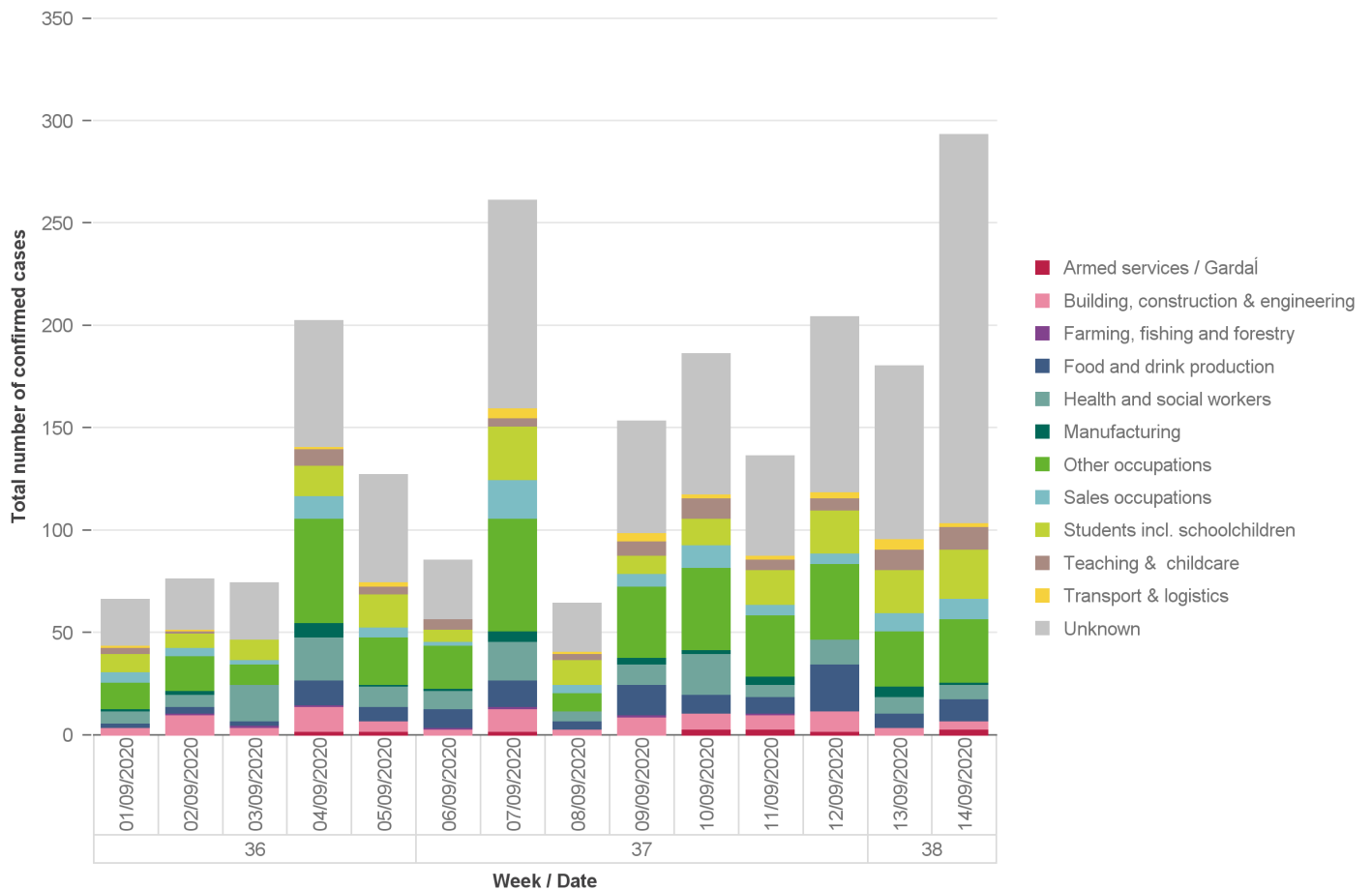


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation* from 01/09/2020 to midnight 14/09/2020

*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 01/09/2020 to midnight 14/09/2020 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	102	4	6.15	1	33.33
5-14 yrs	228	1	1.54	0	0
15-24 yrs	555	5	7.69	0	0
25-34 yrs	445	4	6.15	0	0
35-44 yrs	367			0	0
45-54 yrs	326	10	15.38	0	0
55-64 yrs	243	9	13.85	2	66.67
65-74 yrs	153	17	26.15	0	0
75-84 yrs	63	6	9.23	0	0
85+ yrs	41	9	13.85	0	0
Unknown	1			0	0
Total	2,524	65	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 13:20 on 15/09/2020. 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.