



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 25/09/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 11/09/2020 up to midnight 24/09/2020

	Number	Percent
Total number of confirmed cases	3,757	
National incidence of confirmed cases per 100,000 population	78.9	
Number of cases hospitalised*	114	3.03
Number of cases admitted to ICU*	14	0.37
Number of deaths among confirmed cases	7	0.19
Case fatality ratio (CFR, %)	0.19	
National incidence of confirmed deaths per 100,000 population	0.15	
Number of cases** associated with clusters	2,092	55.68
Number of imported cases	26	0.69
Number of cases in healthcare workers	233	6.2
Males	1,859	49.48
Females	1,897	50.49
M:F ratio	0.98	
Median age (years)	33	
Mean age (years)	36	
Age range (years)	0 - 99	

* 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
11/09/2020 - 24/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:27 on 25/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

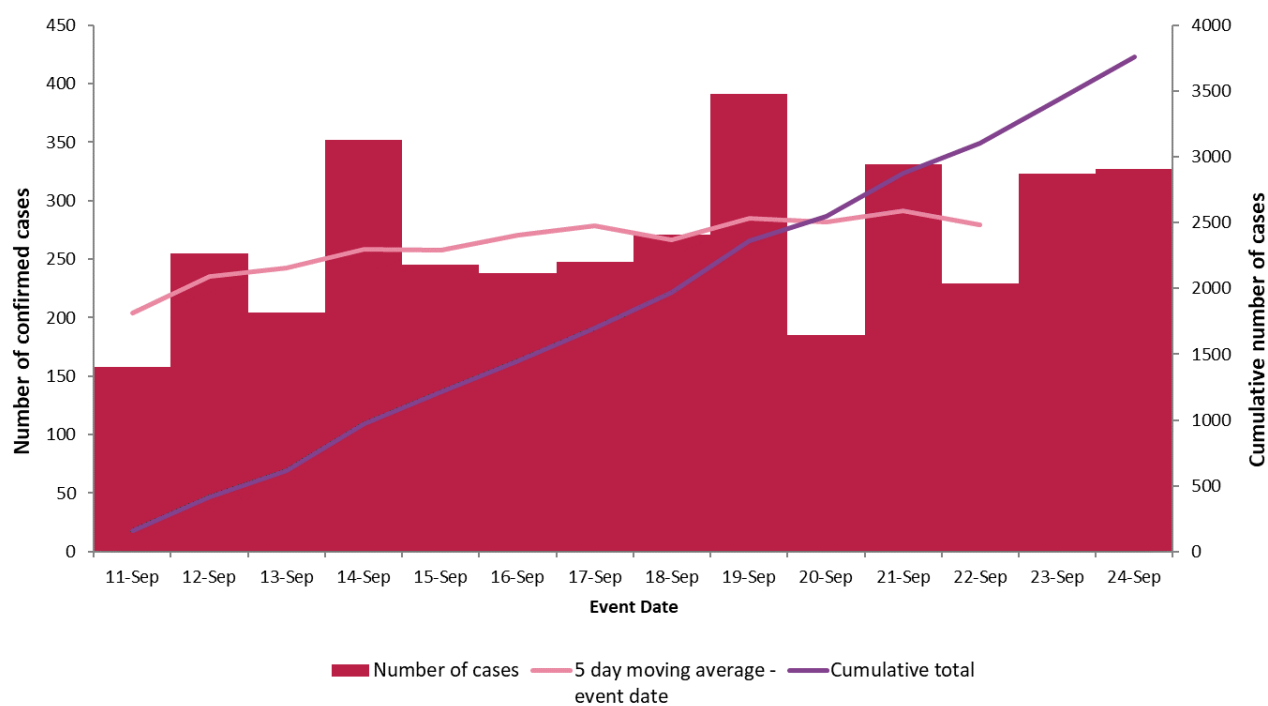


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,757)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 11/09/2020 up to midnight on 24/09/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,757	100
Sex	Male:Female ratio	0.98	
	Male	1,859	49.48
	Female	1,897	50.49
	Unknown	1	0.03
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 99	
	0-4 yrs	114	3.03
	5-14 yrs	309	8.22
	15-24 yrs	893	23.77
	25-34 yrs	641	17.06
	35-44 yrs	549	14.61
	45-54 yrs	519	13.81
	55-64 yrs	368	9.8
	65-74 yrs	224	5.96
	75-84 yrs	99	2.64
	85+ yrs	39	1.04
	Unknown	2	0.05
Underlying clinical conditions	Yes	1,003	26.7
	No	2,290	60.95
	Unknown	464	12.35

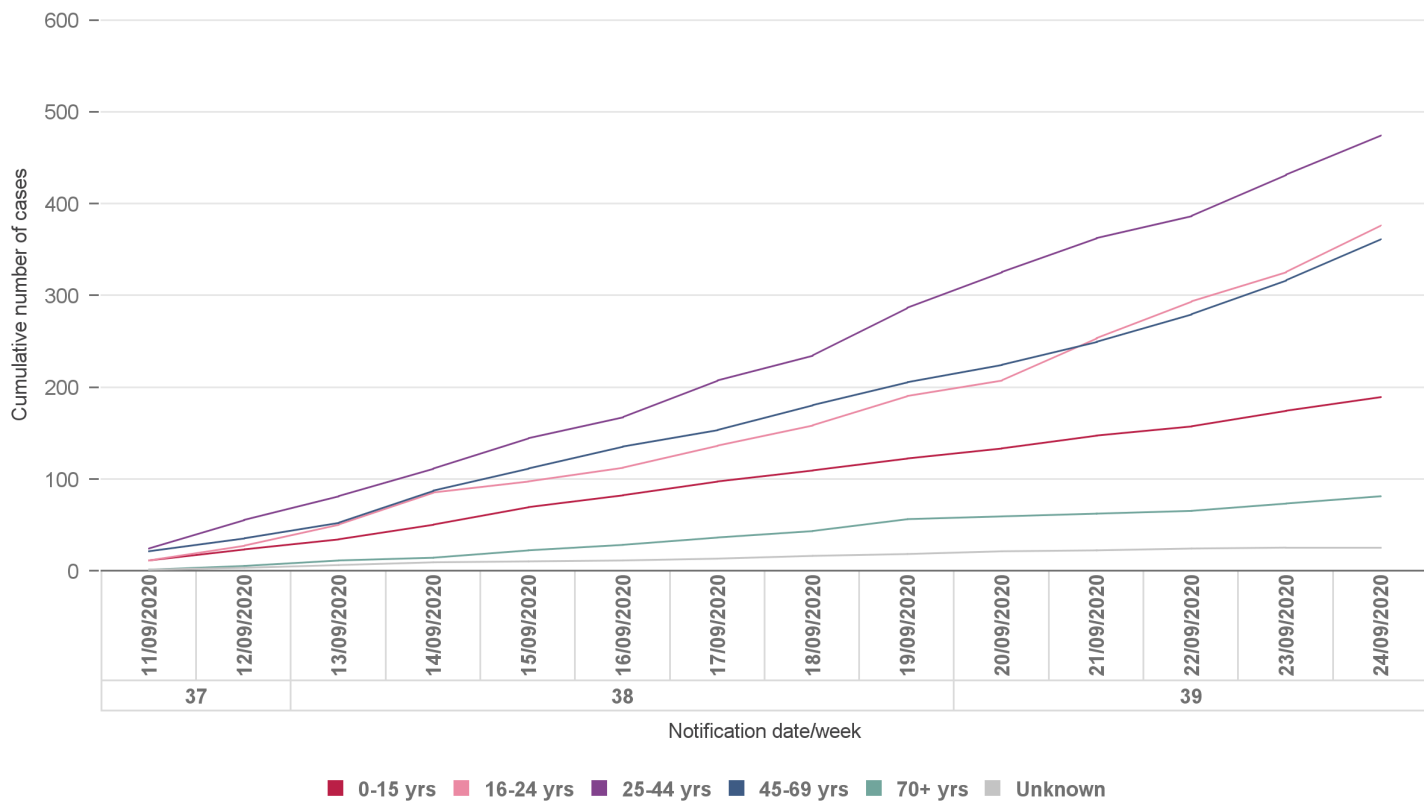


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 11/09/2020 to midnight 24/09/2020

Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified from 11/09/2020 to midnight 24/09/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	340	9.05	1.1	35	13	3.82	194	57.06
CHO2	203	5.4	1.09	32	12	5.91	120	59.11
CHO3	127	3.38	0.95	42	6	4.72	94	74.02
CHO4	290	7.72	0.87	36	15	5.17	209	72.07
CHO5	205	5.46	1.47	34	6	2.93	135	65.85
CHO6	396	10.54	0.87	37	20	5.05	185	46.72
CHO7	842	22.41	1.03	36	48	5.7	426	50.59
CHO8	347	9.24	0.97	35	33	9.51	242	69.74
CHO9	1,007	26.8	0.89	38	80	7.94	487	48.36
National	3,757	100	0.98	36	233	6.2	2,092	55.68

Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) * notified in Ireland from 11/09/2020 to midnight 24/09/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	340	86.9
CHO2	203	44.8
CHO3	127	33.0
CHO4	290	42.0
CHO5	205	40.2
CHO6	396	103.3
CHO7	842	119.0
CHO8	347	56.0
CHO9	1007	162.1
Ireland	3,757	78.9

*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 11/09/2020 to midnight 24/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	25	43.9
Cavan	27	35.4
Clare	49	41.2
Cork	254	46.8
Donegal	254	159.6
Dublin	1975	146.6
Galway	117	45.3
Kerry	36	24.4
Kildare	169	76.0
Kilkenny	20	20.2
Laois	29	34.2
Leitrim	10	31.2
Limerick	66	33.9
Longford	13	31.8
Louth	129	100.1
Mayo	43	32.9
Meath	87	44.6
Monaghan	37	60.3
Offaly	44	56.4
Roscommon	43	66.6
Sligo	12	18.3
Tipperary	30	18.8
Waterford	102	87.8
Westmeath	44	49.6
Wexford	41	27.4
Wicklow	101	70.9
Ireland	3,757	78.9

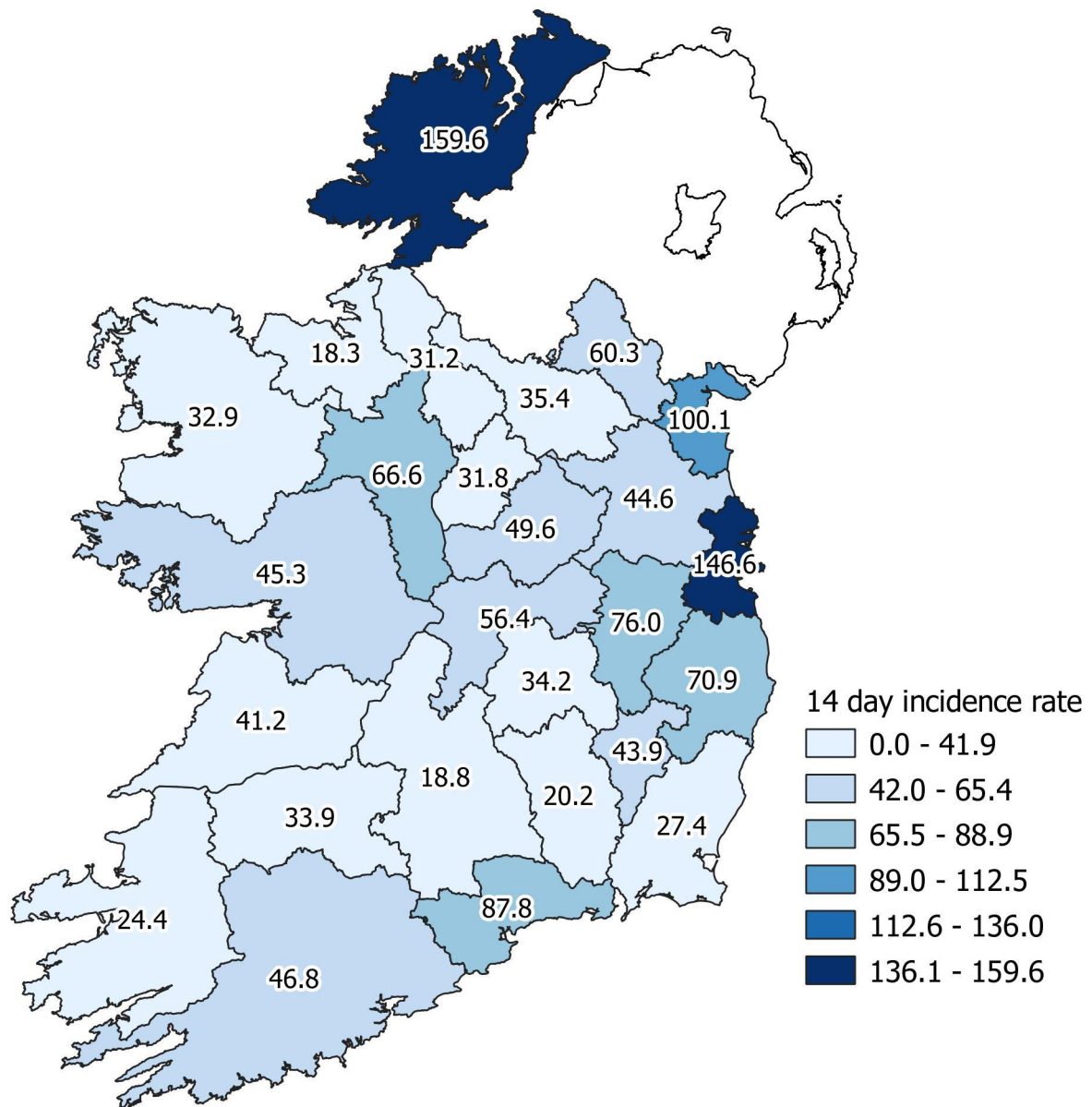


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 11/09/2020 to midnight 24/09/2020

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 11/09/2020 to midnight 24/09/2020

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	98	72.0
CCA2	Dublin South East	198	160.1
CCA3	Dublin South City	184	122.7
CCA4	Dublin South West	257	159.7
CCA5	Dublin West	231	148.7
CCA6	Dublin North West	426	205.1
CCA7	Dublin North Central	275	177.9
CCA8	Dublin North	306	118.1
	Dublin	1975	146.6

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 11/09/2020 to midnight 24/09/2020

Most likely transmission source	Number of cases	Percent
Travel related	93	2.48%
Close contact with a known confirmed case	2,102	55.95%
Healthcare setting acquired: patient	46	1.22%
Healthcare setting acquired: staff	47	1.25%
Community transmission	996	26.51%
Under investigation	473	12.59%
Total	3,757	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

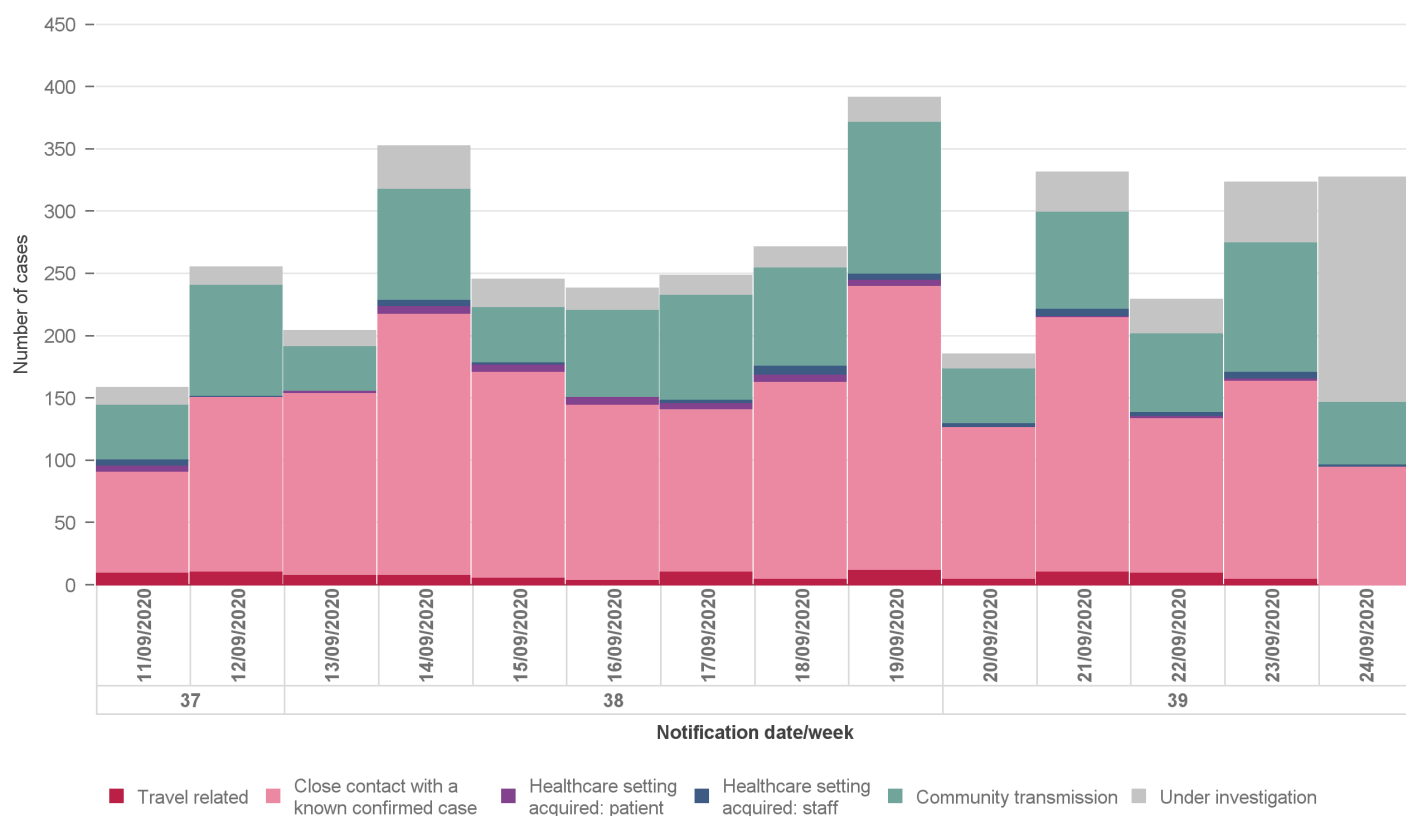


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 11/09/2020 to midnight 24/09/2020

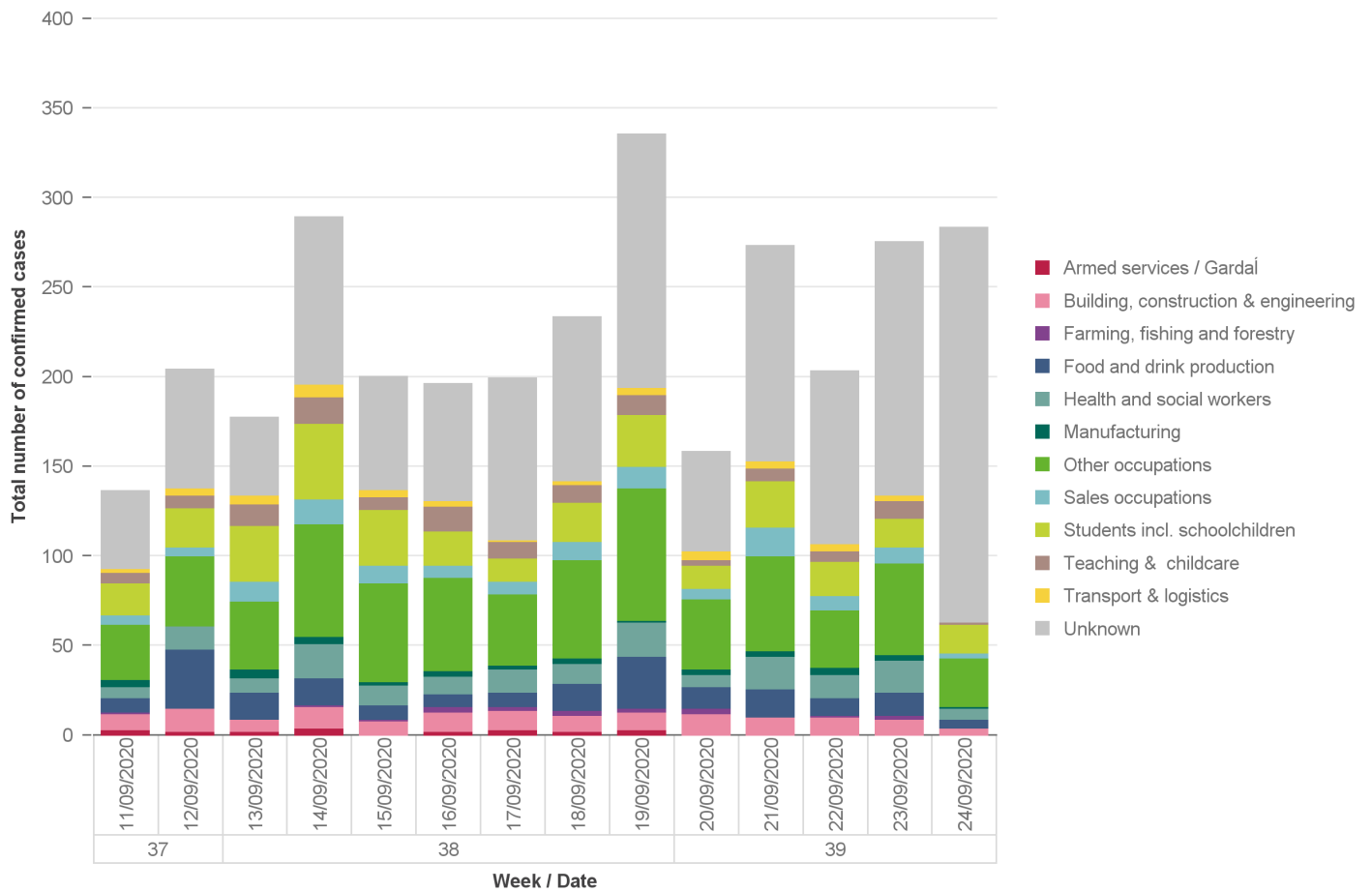


Figure 5: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation* from 11/09/2020 to midnight 24/09/2020

*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 11/09/2020 to midnight 24/09/2020 by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	114	2	1.75	0	0
5-14 yrs	309			0	0
15-24 yrs	893	7	6.14	0	0
25-34 yrs	641	4	3.51	0	0
35-44 yrs	549	10	8.77	3	21.43
45-54 yrs	519	18	15.79	3	21.43
55-64 yrs	368	22	19.3	5	35.71
65-74 yrs	224	24	21.05	3	21.43
75-84 yrs	99	17	14.91	0	0
85+ yrs	39	10	8.77	0	0
Unknown	2			0	0
Total	3,757	114	100	14	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 13:27 on 25/09/2020. 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.