



## Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 04/09/2020

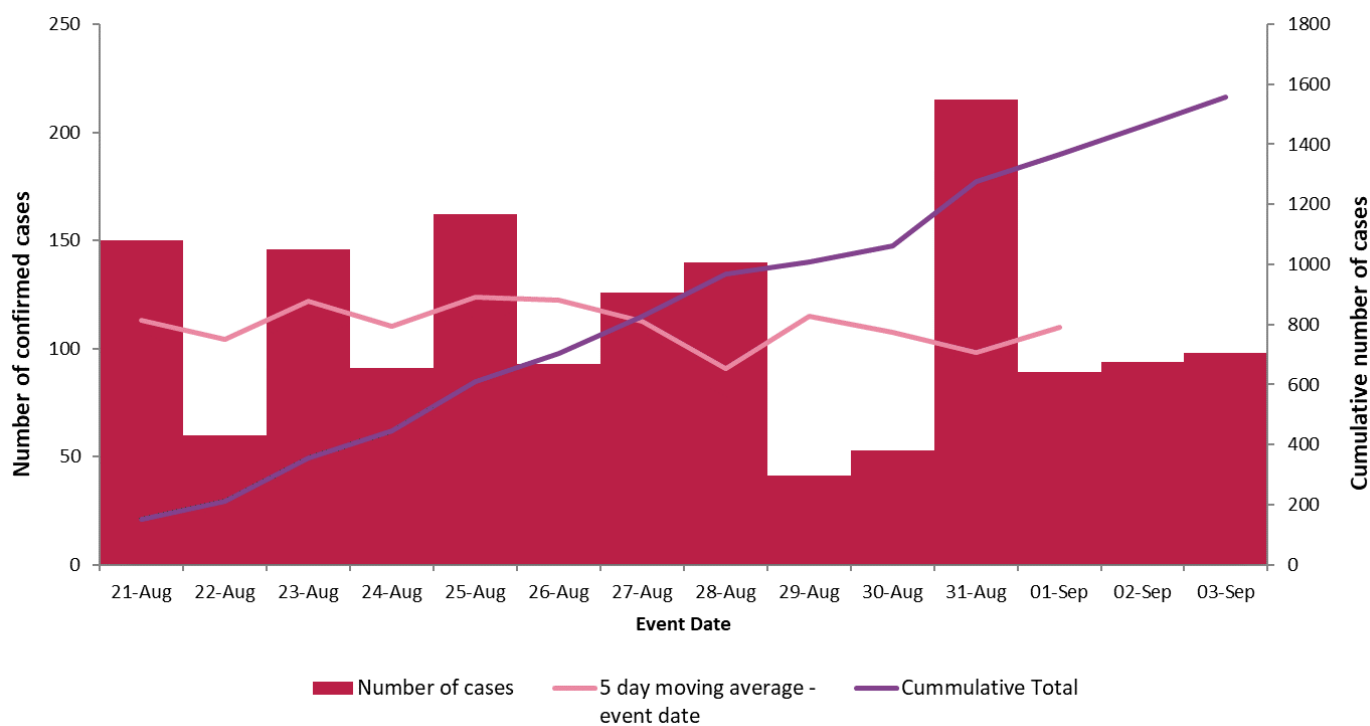
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 21/08/2020 up to midnight 03/09/2020

	Number	Percent
Total number of confirmed cases	1,558	
National incidence of confirmed cases per 100,000 population	32.72	
Number of cases hospitalised*	51	3.27
Number of cases admitted to ICU*	2	0.13
Number of deaths among confirmed cases	0	0
Case fatality ratio (CFR, %)	0	
National incidence of confirmed deaths per 100,000 population	0	
Number of cases** associated with clusters	784	50.32
Number of imported cases	37	2.37
Number of cases in healthcare workers	161	10.33
Males	805	51.67
Females	751	48.2
M:F ratio	1.07	
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  
21/08/2020 - 03/09/2020

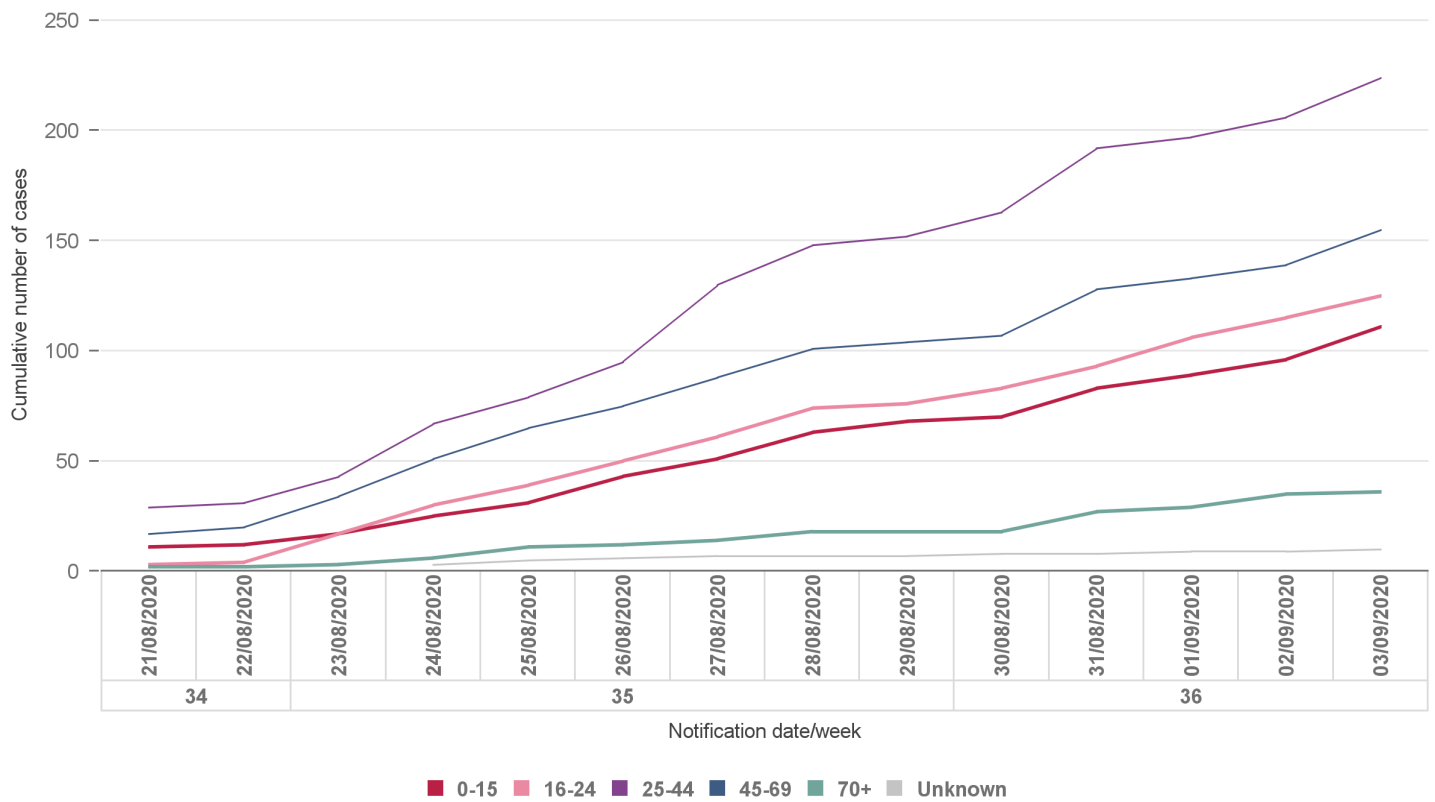
Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:28 on 04/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.



**Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=1,558)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 21/08/2020 up to midnight on 03/09/202**

Characteristic		Number of cases	Percent
Total number of confirmed cases		1,558	100
Sex	Male:Female ratio	1.07	
	Male	805	51.67
	Female	751	48.2
	Unknown	2	0.13
Age	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 98	
	0-4 yrs	55	3.53
	5-14 yrs	137	8.79
	15-24 yrs	366	23.49
	25-34 yrs	297	19.06
	35-44 yrs	232	14.89
	45-54 yrs	212	13.61
	55-64 yrs	129	8.28
	65-74 yrs	51	3.27
	75-84 yrs	51	3.27
	85+ yrs	25	1.6
	Unknown	3	0.19
Underlying clinical conditions	Yes	385	24.71
	No	995	63.86
	Unknown	178	11.42



**Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group from 21/08/2020 to midnight 03/09/2020**

**Table 2: Characteristics of confirmed COVID-19 cases by CHO notified from 21/08/2020 to midnight 03/09/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	69	4.4	1.8	31	4	5.8	54	78.3
CHO2	25	1.6	2.1	27	2	8.0	13	52.0
CHO3	152	9.8	0.8	32	8	5.3	61	40.1
CHO4	55	3.5	1.4	29	4	7.3	39	70.9
CHO5	210	13.5	1.1	39	8	3.8	84	40.0
CHO6	144	9.2	1.2	37	17	11.8	53	36.8
CHO7	452	29.0	0.9	36	58	12.8	239	52.9
CHO8	150	9.6	1.2	36	29	19.3	86	57.3
CHO9	301	19.3	1.0	34	31	10.3	155	51.5
<b>National</b>	<b>1558</b>	<b>100</b>	<b>1.1</b>	<b>35</b>	<b>161</b>	<b>10.3</b>	<b>784</b>	<b>50.3</b>

**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 21/08/2020 to midnight 03/09/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	69	17.6
CHO2	25	5.5
CHO3	152	39.5
CHO4	55	8.0
CHO5	210	41.1
CHO6	144	37.6
CHO7	452	63.9
CHO8	150	24.2
CHO9	301	48.4
<b>Ireland</b>	<b>1,558</b>	<b>32.7</b>

\* **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

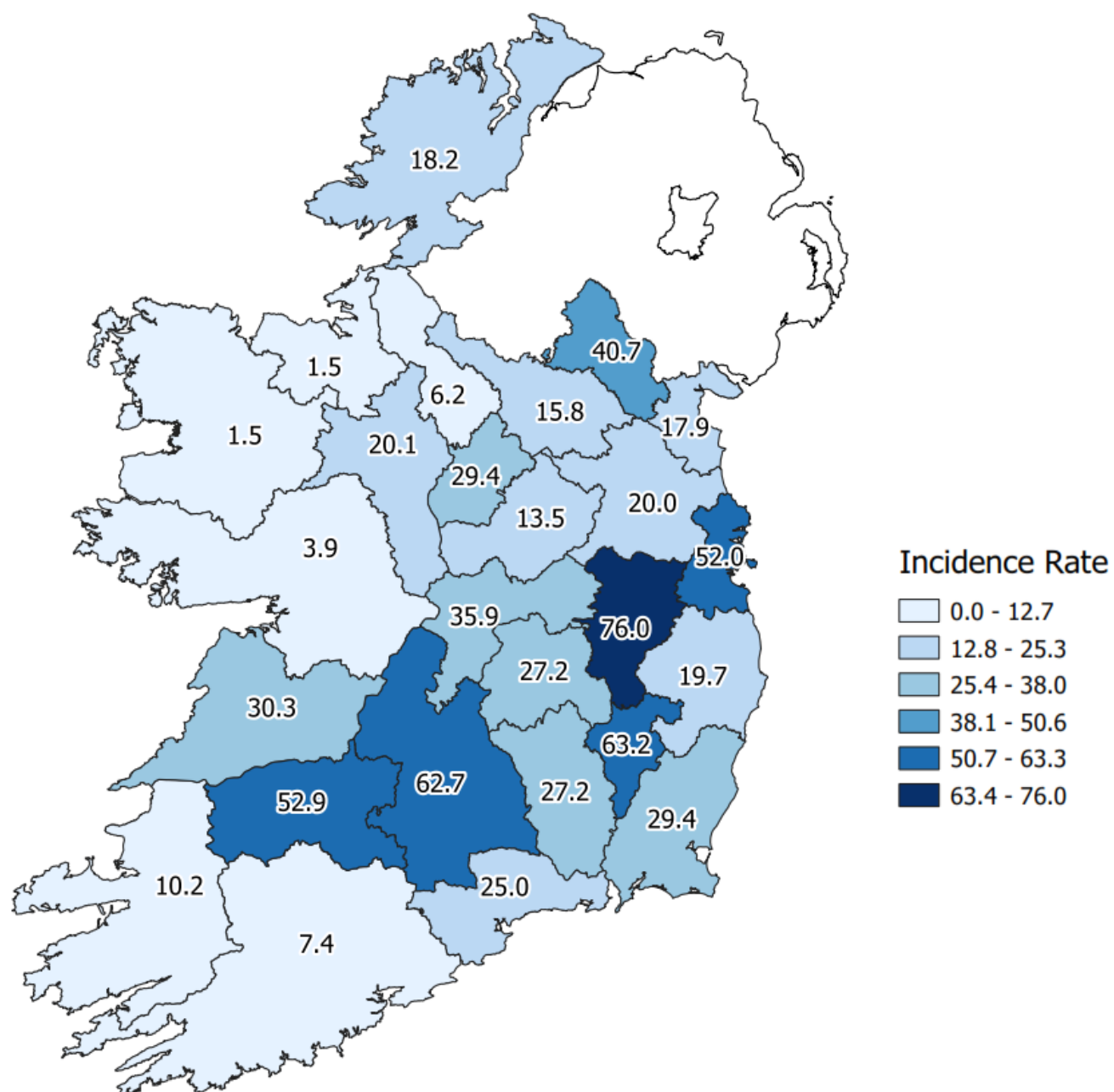
**CHO7:** Dublin South City, Dublin South West, Dublin West, Kildare/West Wicklow

**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 21/08/2020 to midnight 03/09/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	36	63.2
Cavan	12	15.8
Clare	36	30.3
Cork	40	7.4
Donegal	29	18.2
Dublin	700	52.0
Galway	10	3.9
Kerry	15	10.2
Kildare	169	76.0
Kilkenny	27	27.2
Laois	23	27.2
Leitrim	<5	6.2
Limerick	103	52.8
Longford	12	29.4
Louth	23	17.8
Mayo	<5	1.5
Meath	39	20.0
Monaghan	25	40.7
Offaly	28	35.9
Roscommon	13	20.1
Sligo	<5	1.5
Tipperary	100	62.7
Waterford	29	25.0
Westmeath	12	13.5
Wexford	44	29.4
Wicklow	28	19.7
<b>Ireland</b>	<b>1,558</b>	<b>32.7</b>



**Figure 3: Cumulative incidence rates of confirmed cases of COVID-19 per 100,000 population, by county, notified in Ireland between 21/08/2020 and midnight 03/09/2020**

*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 in Ireland with a notification date between 21/08/2020 and 03/09/2020**

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	55	40.4	136,074
CCA2	Dublin South East	63	50.9	123,704
CCA3	Dublin South City	81	54.0	149,935
CCA4	Dublin South West	86	53.5	160,898
CCA5	Dublin West	114	73.4	155,343
CCA6	Dublin North West	109	52.5	207,670
CCA7	Dublin North Central	89	57.6	154,583
CCA8	Dublin North	103	39.7	259,152
	<b>Dublin</b>	<b>700</b>	<b>52.0</b>	<b>1,347,359</b>

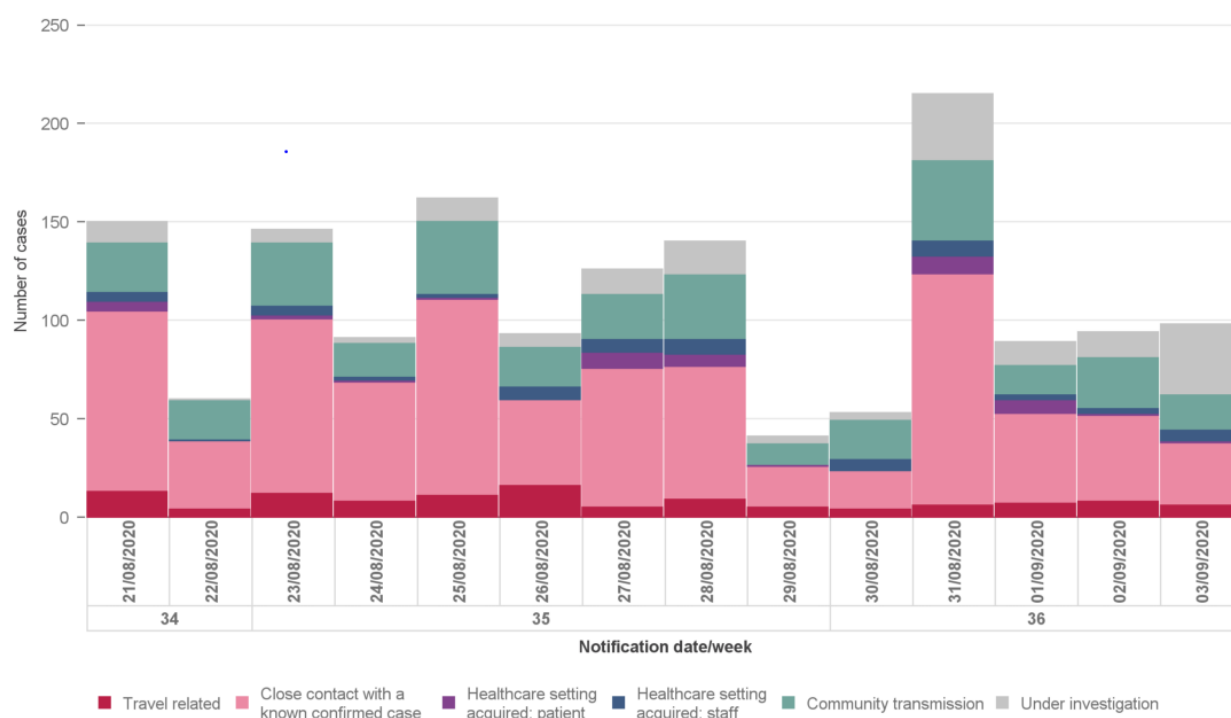
**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE Health Atlas and are not a direct match to the corresponding CCAs.

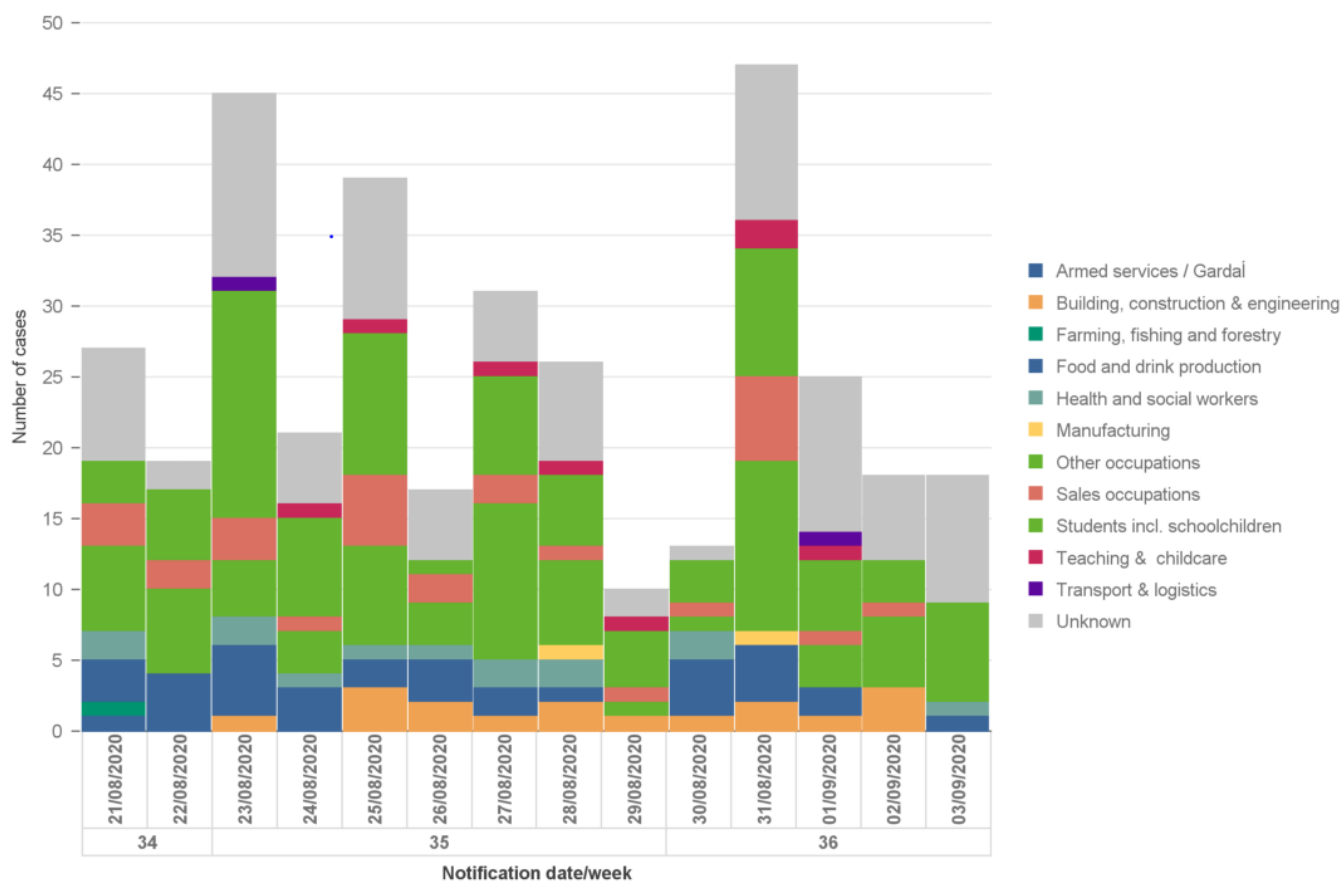


**Table 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 21/08/2020 to midnight 03/09/2020**

Most likely transmission source	Number of cases	Percent
Travel related	114	7.32%
Close contact with a known confirmed case	827	53.08%
Healthcare setting acquired: patient	42	2.70%
Healthcare setting acquired: staff	63	4.04%
Community transmission	338	21.69%
Under investigation	174	11.17%
<b>Total</b>	<b>1558</b>	<b>100.00%</b>

\*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 5: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 21/08/2020 to midnight 03/09/2020**

\*Among cases aged 16-69 years

**Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 21/08/2020 to midnight 03/09/2020 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	55	2	3.9	0	0.00
5-14 yrs	137	2	3.9	0	0.00
15-24 yrs	366	7	13.7	0	0.00
25-34 yrs	297	6	11.8	0	0.00
35-44 yrs	232	1	2.0	0	0.00
45-54 yrs	212	6	11.8	1	50.0
55-64 yrs	129	5	9.8	1	50.0
65-74 yrs	51	5	9.8	0	0.00
75-84 yrs	51	10	19.6	0	0.00
85+ yrs	25	7	13.7	0	0.00
Unknown	3			0	0.00
<b>Total</b>	<b>1,558</b>	<b>51</b>	<b>100</b>	<b>2</b>	<b>100</b>

\* 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 day

## **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 13:25 on 03/09/2020. 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  $\geq 85$  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.

### 5. 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.