



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

Report prepared by HPSC on 09/09/2020

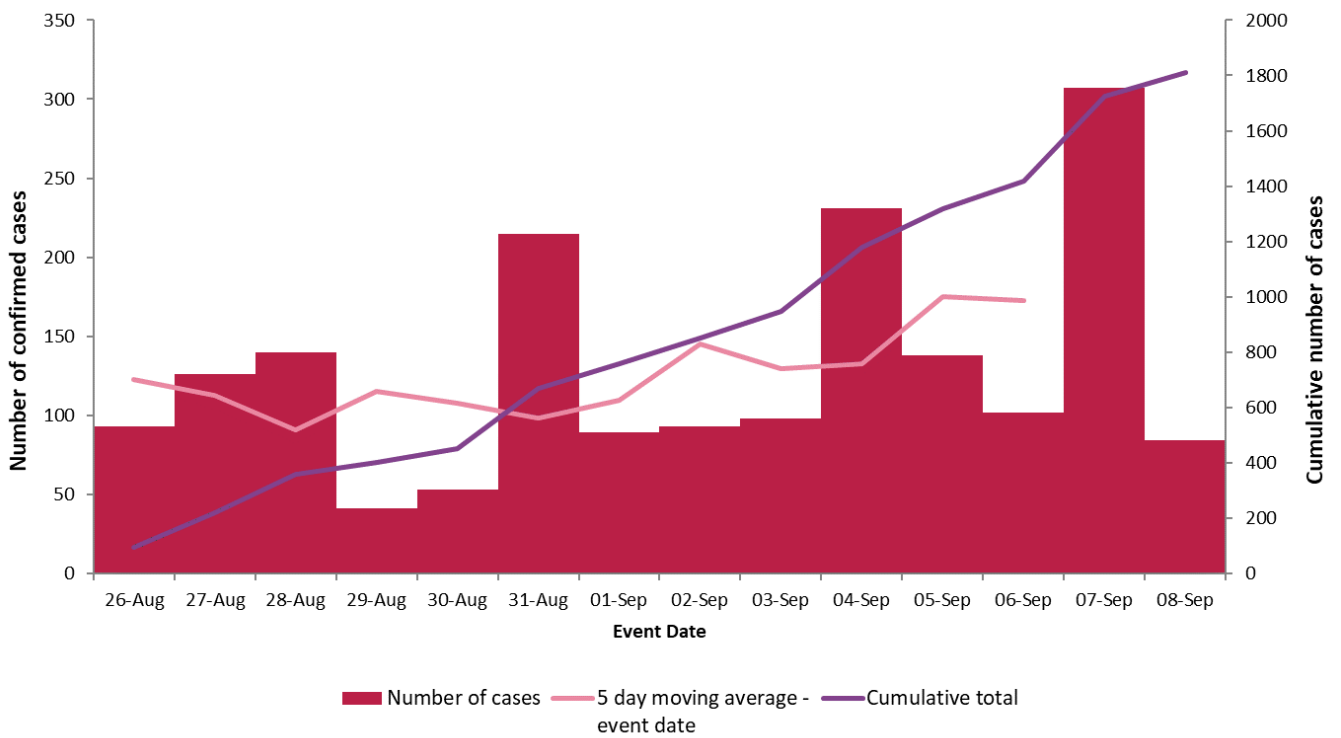
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/08/2020 up to midnight 08/09/2020

	Number	Percent
Total number of confirmed cases	1,810	
National incidence of confirmed cases per 100,000 population	38.01	
Number of cases hospitalised*	57	3.15
Number of cases admitted to ICU*	3	0.17
Number of deaths among confirmed cases	2	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.04	
Number of cases** associated with clusters	681	37.62
Number of imported cases	37	2.04
Number of cases in healthcare workers	210	11.6
Males	895	49.45
Females	911	50.33
M:F ratio	0.98	
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  
26/08/2020 - 08/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:17 on 09/09/2020 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=1,810)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 26/08/2020 up to midnight on 08/09/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>1,810</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.98	
	Male	895	49.45
	Female	911	50.33
	Unknown	4	0.22
<b>Age</b>	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 98	
	0-4 yrs	77	4.25
	5-14 yrs	163	9.01
	15-24 yrs	388	21.44
	25-34 yrs	345	19.06
	35-44 yrs	302	16.69
	45-54 yrs	222	12.27
	55-64 yrs	148	8.18
	65-74 yrs	74	4.09
	75-84 yrs	54	2.98
	85+ yrs	35	1.93
	Unknown	2	0.11
<b>Underlying clinical conditions</b>	Yes	483	26.69
	No	1,120	61.88
	Unknown	207	11.44

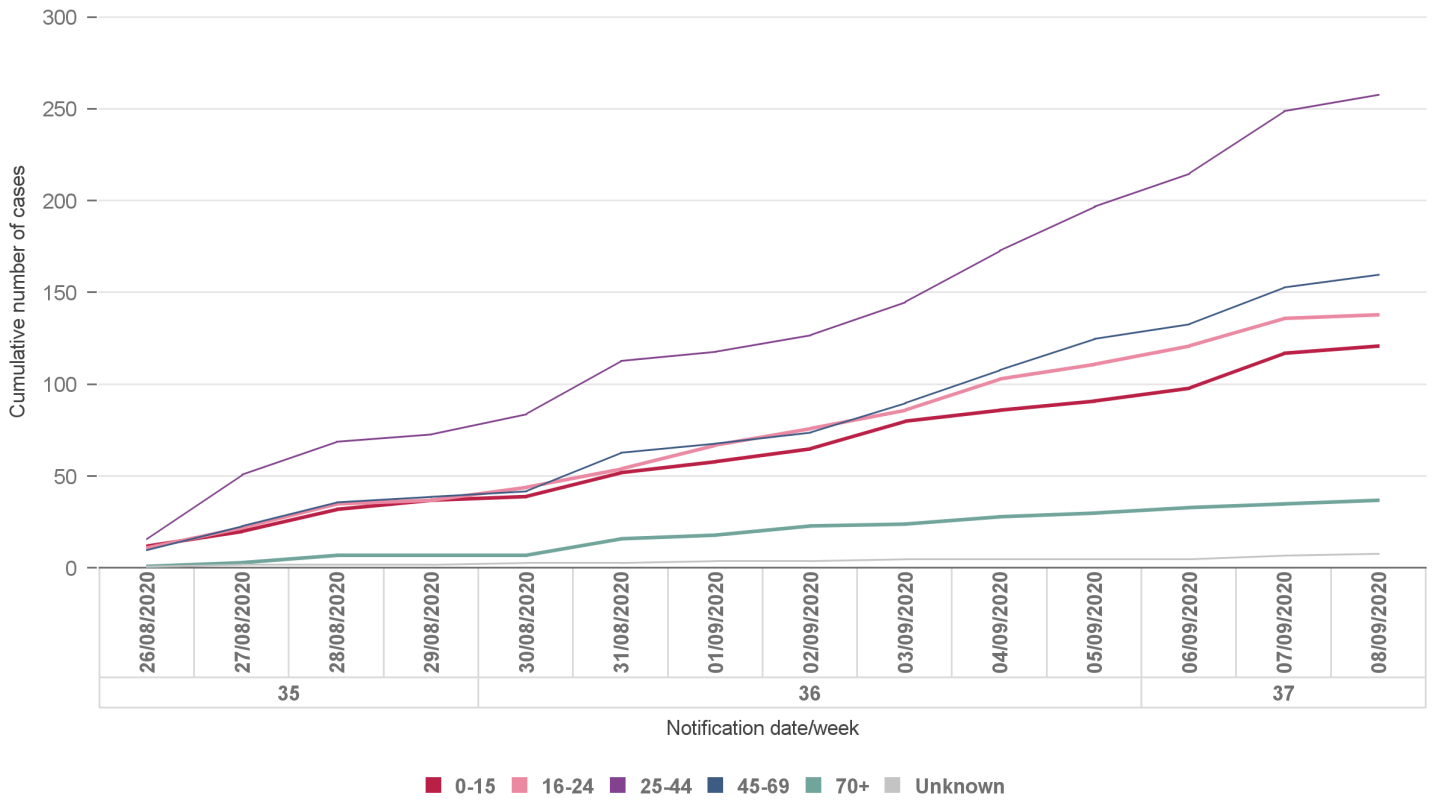


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group from 26/08/2020 to midnight 08/09/2020

**Table 2: Characteristics of confirmed COVID-19 cases by county notified from 26/08/2020 to midnight 08/09/2020**

County	Cases		M:F ratio	Median age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
Dublin	913	50.44	0.95	32	111	12.16	209	22.89
Kildare	137	7.57	0.89	37	19	13.87	61	44.53
Limerick	123	6.8	0.81	26	8	6.5	55	44.72
Tipperary	58	3.2	0.87	33	3	5.17	38	65.52
Wexford	53	2.93	0.96	42	2	3.77	24	45.28
Meath	45	2.49	0.73	35	14	31.11	23	51.11
Cork	39	2.15	1.17	31	2	5.13	24	61.54
Louth	38	2.1	1.92	26	4	10.53	28	73.68
Wicklow	38	2.1	1.71	29.5	3	7.89	2	5.26
Donegal	37	2.04	0.95	23	1	2.7	34	91.89
Galway	37	2.04	0.95	32	5	13.51	25	67.57
Offaly	36	1.99	0.8	44	8	22.22	28	77.78
Clare	33	1.82	1.75	40	1	3.03	11	33.33
Kilkenny	28	1.55	0.75	34	5	17.86	7	25
Monaghan	27	1.49	2.86	28	3	11.11	20	74.07
Waterford	26	1.44	0.86	28	1	3.85	7	26.92
Laois	20	1.1	1.22	44	6	30	16	80
Kerry	18	0.99	0.8	25	2	11.11	11	61.11
Longford	17	0.94	0.7	18	2	11.76	12	70.59
Westmeath	17	0.94	1.13	43	5	29.41	7	41.18
Cavan	16	0.88	1	28	2	12.5	12	75
Leitrim	16	0.88	0.78	41	1	6.25	14	87.5
Carlow	15	0.83	1.14	41	2	13.33	0	0
Roscommon	12	0.66	1.4	18	0	0	9	75
Mayo	8	0.44	1.67	30.5	0	0	4	50
Sligo	3	0.17		46	0	0	0	0
<b>National</b>	<b>1,810</b>	<b>100</b>	<b>0.98</b>	<b>32</b>	<b>210</b>	<b>11.6</b>	<b>681</b>	<b>37.62</b>

**Table 3: Characteristics of confirmed COVID-19 cases by CHO notified from 26/08/2020 to midnight 08/09/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	99	5.47	1.3	30	7	7.07	80	80.81
CHO2	57	3.15	1.11	32	5	8.77	38	66.67
CHO3	165	9.12	0.96	34	9	5.45	68	41.21
CHO4	57	3.15	1.04	31	4	7.02	35	61.4
CHO5	167	9.23	0.88	37	12	7.19	74	44.31
CHO6	186	10.28	0.99	38	27	14.52	29	15.59
CHO7	465	25.69	0.98	37	60	12.9	150	32.26
CHO8	177	9.78	1.01	37	40	22.6	114	64.41
CHO9	437	24.14	0.93	34	46	10.53	93	21.28
<b>National</b>	<b>1,810</b>	<b>100</b>	<b>0.98</b>	<b>35</b>	<b>210</b>	<b>11.6</b>	<b>681</b>	<b>37.62</b>

**Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 26/08/2020 to midnight 08/09/2020**

Most likely transmission source	Number of cases	Percent
Travel related *	120	6.63%
Close contact with a known confirmed case	929	51.33%
Healthcare setting acquired: patient	49	2.71%
Healthcare setting acquired: staff	74	4.09%
Community transmission	437	24.14%
Under investigation	201	11.10%
<b>Total</b>	<b>1,810</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

**Table 5: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 26/08/2020 to midnight 08/09/2020**

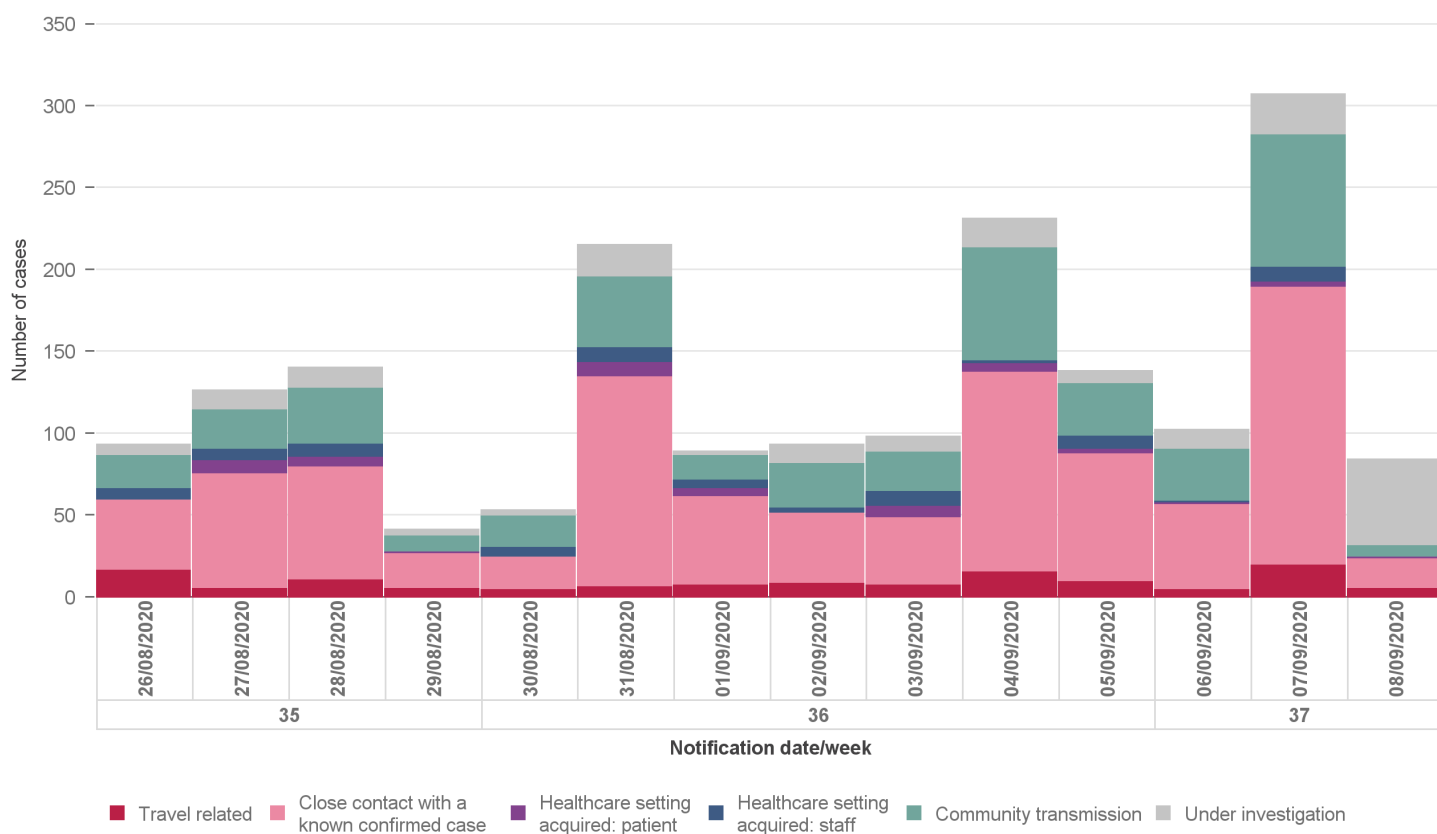
CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	99	25.3
CHO2	57	12.6
CHO3	165	42.9
CHO4	57	8.3
CHO5	167	32.7
CHO6	186	48.5
CHO7	465	65.7
CHO8	177	28.6
CHO9	437	70.3
<b>Ireland</b>	<b>1,810</b>	<b>38.0</b>

**Table 6: Number of confirmed COVID-19 cases by county notified in Ireland from 26/08/2020 to midnight 08/09/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	15	26.3
Cavan	16	21.0
Clare	33	27.8
Cork	39	7.2
Donegal	37	23.2
Dublin	913	67.8
Galway	37	14.3
Kerry	18	12.2
Kildare	137	61.6
Kilkenny	28	28.2
Laois	20	23.6
Leitrim	16	49.9
Limerick	123	63.1
Longford	17	41.6
Louth	38	29.5
Mayo	8	6.1
Meath	45	23.1
Monaghan	27	44.0
Offaly	36	46.2
Roscommon	12	18.6
Sligo	3	4.6
Tipperary	58	36.4
Waterford	26	22.4
Westmeath	17	19.2
Wexford	53	35.4
Wicklow	38	26.7
<b>Ireland</b>	<b>1,810</b>	<b>38.0</b>

**Table 7: Number of confirmed COVID-19 cases by country of infection notified from 26/08/2020 to midnight 08/09/2020**

Country of infection	Number of cases	Percent
Croatia	1	0.06%
France	1	0.06%
Greece	13	0.72%
Hungary	5	0.28%
India	1	0.06%
Ireland	1,280	70.72%
Isle of Man	1	0.06%
Kenya	1	0.06%
Lithuania	2	0.11%
Luxembourg	1	0.06%
Malta	1	0.06%
Not specified	476	26.30%
Philippines	1	0.06%
Romania	2	0.11%
Spain	5	0.28%
United kingdom	2	0.11%
Unknown	17	0.94%
<b>Total</b>	<b>1,810</b>	<b>100.00%</b>



**Figure 3: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 26/08/2020 to midnight 08/09/2020**



**Table 8: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 26/08/2020 to midnight 08/09/2020 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	77	1	1.75	1	33.33
5-14 yrs	163	1	1.75	0	0
15-24 yrs	388	8	14.04	0	0
25-34 yrs	345	4	7.02	1	33.33
35-44 yrs	302			0	0
45-54 yrs	222	6	10.53	0	0
55-64 yrs	148	4	7.02	1	33.33
65-74 yrs	74	11	19.3	0	0
75-84 yrs	54	12	21.05	0	0
85+ yrs	35	10	17.54	0	0
Unknown	2			0	0
<b>Total</b>	<b>1,810</b>	<b>57</b>	<b>100</b>	<b>3</b>	<b>100</b>

**Table 9: Number and proportion of confirmed cases of COVID-19 notified in Ireland from 26/08/2020 to midnight 08/09/2020 by age-group, hospitalisation and ICU admission\***

	0-4 yrs	5-14 yrs	15-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75-84 yrs	85+ yrs	Unknown
Number of cases (n)	77	163	388	345	302	222	148	74	54	35	2
Cases hospitalised (n)	1	1	8	4		6	4	11	12	10	
Cases hospitalised (%)	1.3	0.61	2.06	1.16		2.7	2.7	14.86	22.22	28.57	
Cases admitted to ICU (n)	1	0	0	1	0	0	1	0	0	0	0
Cases admitted to ICU (%)	1.3	0	0	0.29	0	0	0.68	0	0	0	0
Deaths (n)	0	0	0	0	0	0	0	0	1	1	0
Case fatality ratio (%)	0	0	0	0	0	0	0	0	1.85	2.86	0

\* 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

**Table 10: Characteristics of sporadic\*\* confirmed COVID-19 cases notified in Ireland from 26/08/2020 up to midnight on 08/09/2020**

Characteristic		Number of cases	Percent	
<b>Total number of sporadic confirmed cases</b>		<b>1,129</b>	<b>100</b>	
<b>Sex</b>	Male:Female ratio	0.96		
	Male	552	48.89	
	Female	574	50.84	
	Unknown	3	0.27	
<b>Age</b>	Median age (years)	31.5		
	Mean age (years)	36		
	Age range (years)	0 - 98		
	0-4 yrs	40	3.54	
	5-14 yrs	67	5.93	
	15-24 yrs	277	24.53	
	25-34 yrs	248	21.97	
	35-44 yrs	174	15.41	
	45-54 yrs	128	11.34	
	55-64 yrs	89	7.88	
	65-74 yrs	51	4.52	
	75-84 yrs	30	2.66	
	85+ yrs	24	2.13	
		Number of HCW	108	9.57
		Number hospitalised*	35	3.1
		Number admitted to ICU*	2	0.18
	Number of deaths	1	0.09	
	Number with underlying condition	302	26.75	
<b>Most likely transmission source</b>	Travel related	83	7.35	
	Close contact with a known confirmed case	504	44.64	
	Healthcare setting acquired: patient	20	1.77	
	Healthcare setting acquired: staff	27	2.39	
	Community transmission	349	30.91	
	Under investigation	146	12.93	

\*\* Sporadic cases are cases not currently linked to an outbreak in CIDR

## Deaths among COVID-19 cases

**Table 11: Summary of deaths in all COVID-19 cases notified in Ireland from 26/08/2020 up to midnight 08/09/2020**

	Number	Percent
Total number of deaths	2	
Confirmed	2	100
Total number of cases hospitalised	2	100
Cases admitted to ICU	0	
Cases not admitted to ICU	2	100
Total number of imported cases	0	
Number of cases in healthcare workers	0	
Number with underlying clinical conditions	2	100
Total number of male cases	2	100
M:F ratio		
Median age (years)	88.5	
Mean age (years)	89	
Age range (years)	83 - 94	

**Table 12: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 26/08/2020 up to midnight 08/09/2020**

Age group (years)	Male	Total	Percent
75-84 yrs	1	1	50
85+ yrs	1	1	50
<b>Total</b>	<b>2</b>	<b>2</b>	<b>100</b>
<b>Percent</b>	<b>100</b>		

## **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 13:17 on 09/09/2020. 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.

### 4. HSE areas

The counties covered by each HSE area are as follows:

HSE East (E): Dublin, Kildare & Wicklow;

HSE Midlands (M): Laois, Longford, Offaly & Westmeath;

HSE Midwest (MW): Clare, Limerick & N. Tipperary;

HSE Northeast (NE): Cavan, Louth, Meath & Monaghan;

HSE Northwest (NW): Donegal, Leitrim & Sligo;

HSE South (S): Kerry & Cork;

HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;

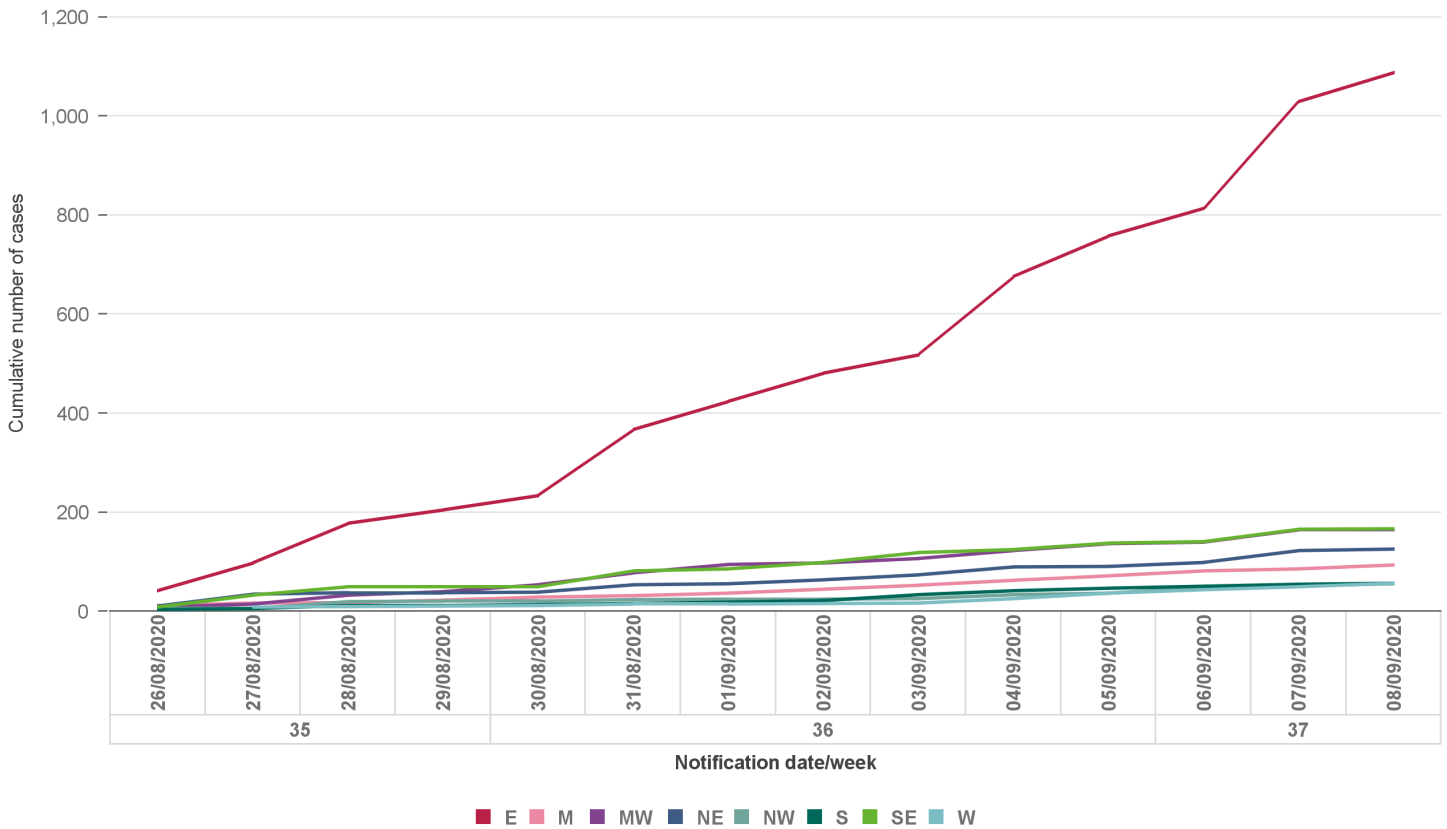
HSE West (W): Galway, Mayo & Roscommon.

### 5. Outbreak location

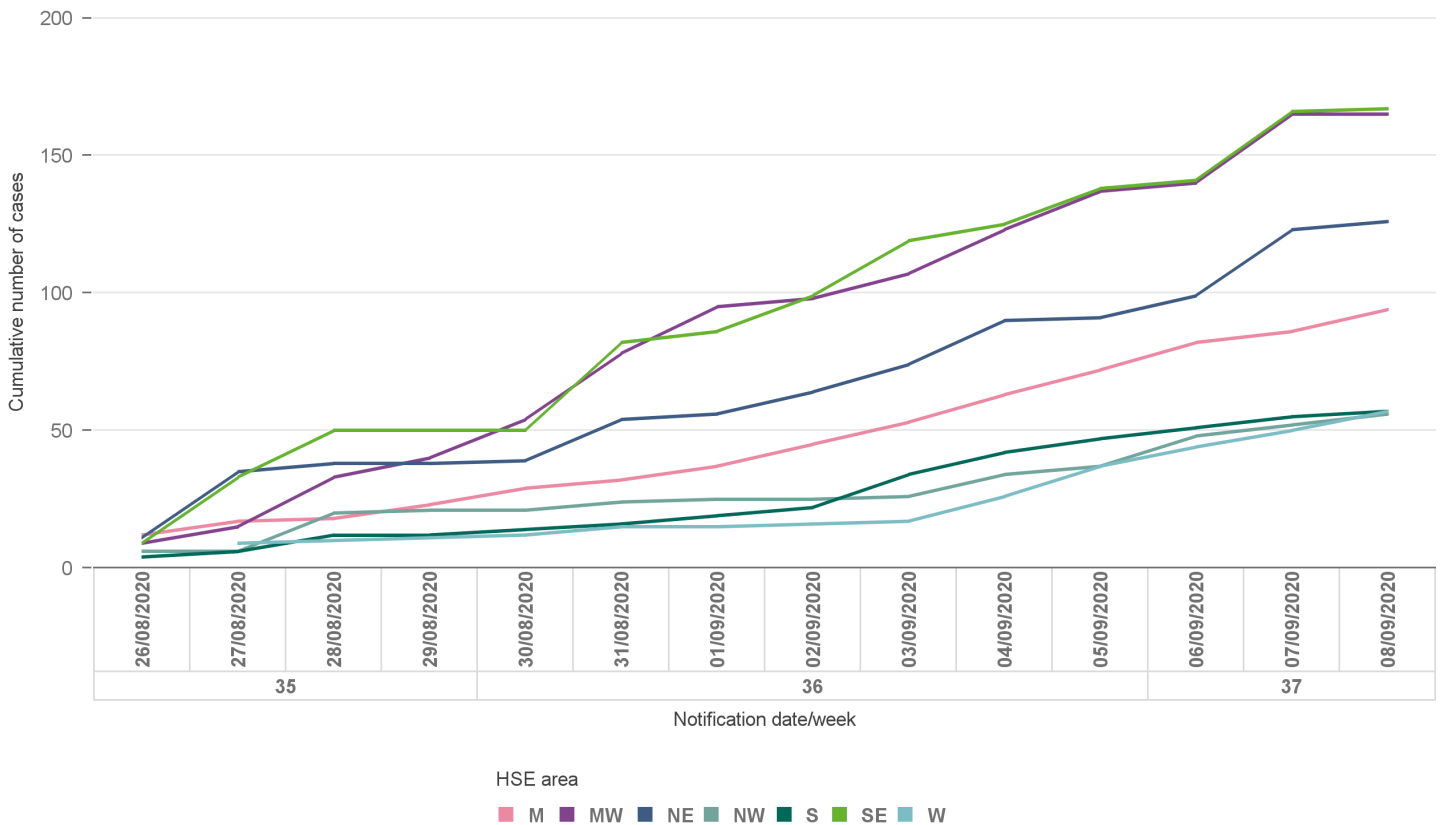
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

**Appendix 1: Trends in confirmed COVID-19 cases notified in Ireland by HSE area**



**Figure A: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and HSE area from 26/08/2020 to midnight 08/09/2020**



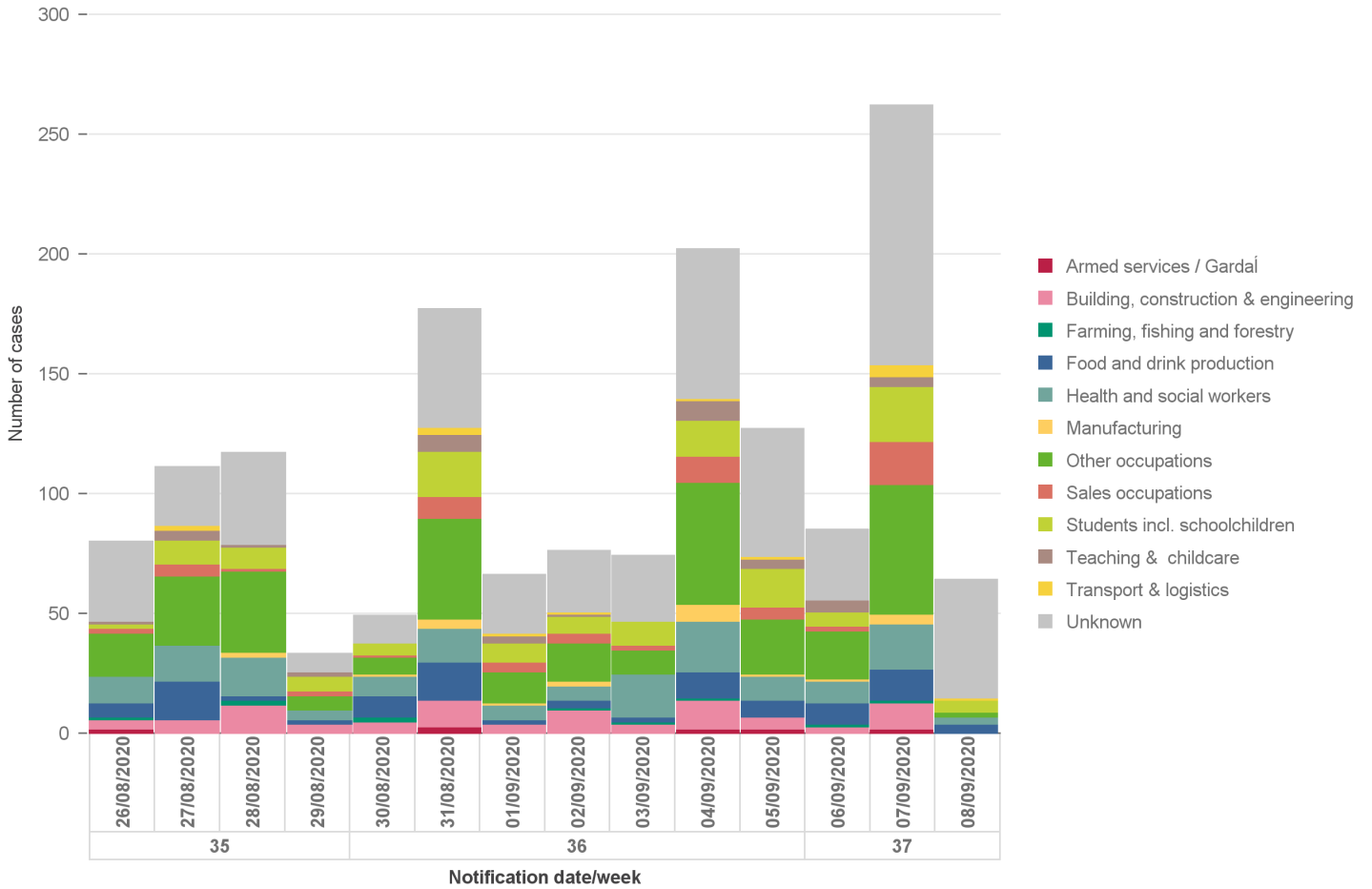
**Figure B: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and HSE area (excluding HSE East) from 26/08/2020 to midnight 08/09/2020**

## Appendix 1: Trends in confirmed COVID-19 cases notified in Ireland by HSE area

**Table A: Cumulative number of confirmed COVID-19 cases notified in Ireland by week of notification and HSE area from 26/08/2020 to midnight 08/09/2020**

Week	Date	E	M	MW	NE	NW	S	SE	W	Total
35	26/08/2020	42	12	9	11	6	4	9	0	93
35	27/08/2020	56	5	6	24	0	2	24	9	126
35	28/08/2020	80	1	18	3	14	6	17	1	140
35	29/08/2020	27	5	7	0	1	0	0	1	41
36	30/08/2020	29	6	14	1	0	2	0	1	53
36	31/08/2020	133	3	24	15	3	2	32	3	215
36	01/09/2020	57	5	17	2	1	3	4	0	89
36	02/09/2020	57	8	3	8	0	3	13	1	93
36	03/09/2020	37	8	9	10	1	12	20	1	98
36	04/09/2020	158	10	16	16	8	8	6	9	231
36	05/09/2020	82	9	14	1	3	5	13	11	138
37	06/09/2020	56	10	3	8	11	4	3	7	102
37	07/09/2020	215	4	25	24	4	4	25	6	307
37	08/09/2020	59	8	0	3	4	2	1	7	84

**Appendix 2: Trends in confirmed COVID-19 cases notified in Ireland by occupation**



**Figure C: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 26/08/2020 to midnight 08/09/2020**

\*Among cases aged 16-69 years



### Appendix 3: Epidemiological weeks, 2020-2021

Table B: List of epidemiological weeks, start and end dates, 2020

Year	Week	Start date	End date
2020	1	29/12/2019	04/01/2020
2020	2	05/01/2020	11/01/2020
2020	3	12/01/2020	18/01/2020
2020	4	19/01/2020	25/01/2020
2020	5	26/01/2020	01/02/2020
2020	6	02/02/2020	08/02/2020
2020	7	09/02/2020	15/02/2020
2020	8	16/02/2020	22/02/2020
2020	9	23/02/2020	29/02/2020
2020	10	01/03/2020	07/03/2020
2020	11	08/03/2020	14/03/2020
2020	12	15/03/2020	21/03/2020
2020	13	22/03/2020	28/03/2020
2020	14	29/03/2020	04/04/2020
2020	15	05/04/2020	11/04/2020
2020	16	12/04/2020	18/04/2020
2020	17	19/04/2020	25/04/2020
2020	18	26/04/2020	02/05/2020
2020	19	03/05/2020	09/05/2020
2020	20	10/05/2020	16/05/2020
2020	21	17/05/2020	23/05/2020
2020	22	24/05/2020	30/05/2020
2020	23	31/05/2020	06/06/2020
2020	24	07/06/2020	13/06/2020
2020	25	14/06/2020	20/06/2020
2020	26	21/06/2020	27/06/2020
2020	27	28/06/2020	04/07/2020
2020	28	05/07/2020	11/07/2020
2020	29	12/07/2020	18/07/2020
2020	30	19/07/2020	25/07/2020
2020	31	26/07/2020	01/08/2020
2020	32	02/08/2020	08/08/2020
2020	33	09/08/2020	15/08/2020
2020	34	16/08/2020	22/08/2020
2020	35	23/08/2020	29/08/2020
2020	36	30/08/2020	05/09/2020
2020	37	06/09/2020	12/09/2020
2020	38	13/09/2020	19/09/2020

2020	39	20/09/2020	26/09/2020
2020	40	27/09/2020	03/10/2020
2020	41	04/10/2020	10/10/2020
2020	42	11/10/2020	17/10/2020
2020	43	18/10/2020	24/10/2020
2020	44	25/10/2020	31/10/2020
2020	45	01/11/2020	07/11/2020
2020	46	08/11/2020	14/11/2020
2020	47	15/11/2020	21/11/2020
2020	48	22/11/2020	28/11/2020
2020	49	29/11/2020	05/12/2020
2020	50	06/12/2020	12/12/2020
2020	51	13/12/2020	19/12/2020
2020	52	20/12/2020	26/12/2020
2020	53	27/12/2020	02/01/2021

## Appendix 4

**Table 1: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices (LHOs) notified in Ireland with a notification date between 26/08/2020 and 08/09/2020**

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	49	36.0	136,074
CCA2	Dublin South East	103	83.3	123,704
CCA3	Dublin South City	104	69.4	149,935
CCA4	Dublin South West	117	72.7	160,898
CCA5	Dublin West	103	66.3	155,343
CCA6	Dublin North West	160	77.0	207,670
CCA7	Dublin North Central	95	61.5	154,583
CCA8	Dublin North	182	70.2	259,152
	<b>Dublin</b>	<b>913</b>	<b>67.8</b>	<b>1,347,359</b>

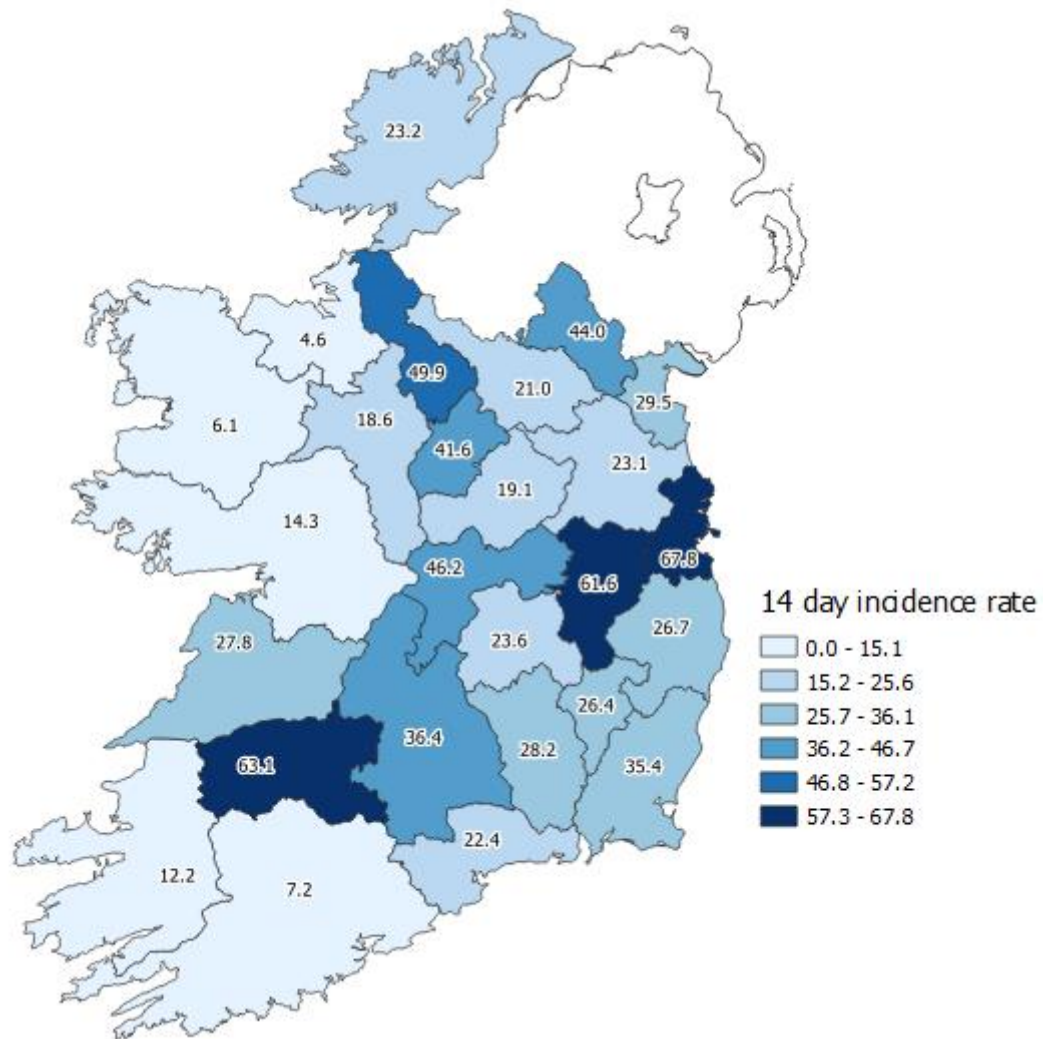
**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted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

## Appendix 5

**Table 2: Number and incidence of confirmed COVID-19 cases by county including and excluding outbreaks notified in Ireland between 26/08/2020 and 08/09/2020**

County	Population	Number of cases in past 14 days based on event date	14 day incidence rates based on event dates	Number of cases in past 14 days based on event date excluding outbreaks	14 day incidence rates based on event dates excluding outbreaks
Carlow	56932	15	26.3	15	26.3
Cavan	76176	16	21.0	4	5.3
Clare	118817	33	27.8	22	18.5
Cork	542868	39	7.2	15	2.8
Donegal	159192	37	23.2	3	1.9
Dublin	1347359	913	67.8	704	52.3
Galway	258058	37	14.3	12	4.7
Kerry	147707	18	12.2	7	4.7
Kildare	222504	137	61.6	76	34.2
Kilkenny	99232	28	28.2	21	21.2
Laois	84697	20	23.6	4	4.7
Leitrim	32044	16	49.9	2	6.2
Limerick	194899	123	63.1	68	34.9
Longford	40873	17	41.6	5	12.2
Louth	128884	38	29.5	10	7.8
Mayo	130507	8	6.1	4	3.1
Meath	195044	45	23.1	22	11.3
Monaghan	61386	27	44.0	7	11.4
Offaly	77961	36	46.2	8	10.3
Roscommon	64544	12	18.6	3	4.6
Sligo	65535	3	4.6	3	4.6
Tipperary	159553	58	36.4	20	12.5
Waterford	116176	26	22.4	19	16.4
Westmeath	88770	17	19.2	10	11.3
Wexford	149722	53	35.4	29	19.4
Wicklow	142425	38	26.7	36	25.3
<b>National</b>	<b>4761865</b>	<b>1,810</b>	<b>38.0</b>	<b>1129</b>	<b>23.7</b>

## Appendix 6



**Figure D: Cumulative incidence rates of confirmed cases of COVID-19 per 100,000 population, by county, notified in Ireland between 26/08/2020 and midnight 08/09/2020**

*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.*