



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

Report prepared by HPSC on 21/02/2021

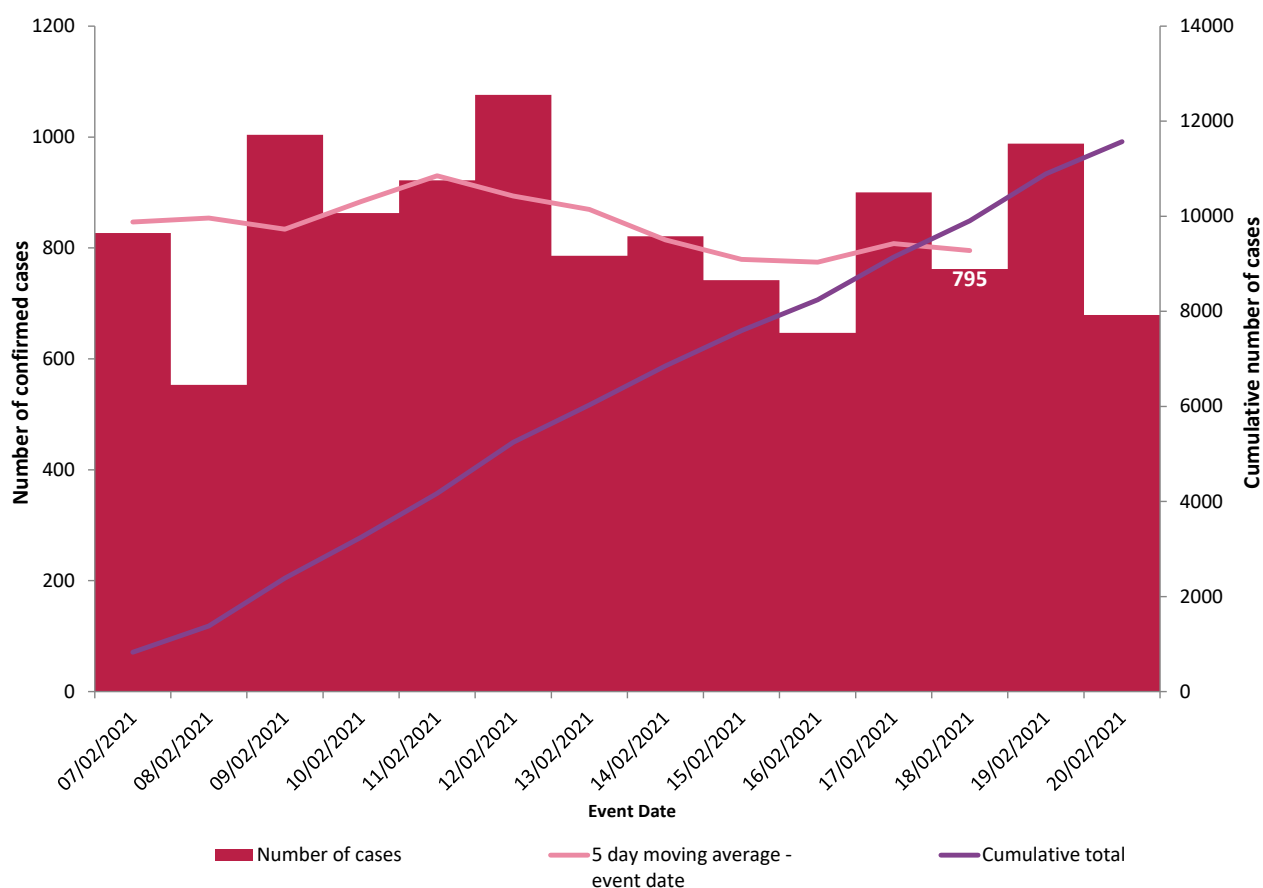
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 07/02/2021 up to midnight 20/02/2021

|   | Number  | Percent |
|---|---------|---------|
| Total number of confirmed cases                               | 11,570  |         |
| National incidence of confirmed cases per 100,000 population  | 242.97  |         |
| Number of cases hospitalised*                                 | 803     | 6.94    |
| Number of cases admitted to ICU*                              | 38      | 0.33    |
| Number of deaths among confirmed cases                        | 38      | 0.33    |
| Case fatality ratio (CFR, %)                                  | 0.33    |         |
| National incidence of confirmed deaths per 100,000 population | 0.8     |         |
| Number of cases** associated with clusters                    | 1,199   | 10.36   |
| Number of imported cases                                      | 11      | 0.1     |
| Number of cases in healthcare workers                         | 650     | 5.62    |
| Males   | 5,754   | 49.73   |
| Females   | 5,793   | 50.07   |
| M:F ratio   | 0.99    |         |
| Median age (years)  | 33      |         |
| Mean age (years)  | 36      |         |
| Age range (years)   | 0 - 102 |         |

\* 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  
07/02/2021 - 20/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:51 on 21/02/2021 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=11,570)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 07/02/2021 up to midnight on 20/02/2021**

| Characteristic                         |                    | Number of cases | Percent    |
|--|--------------------|-----------------|------------|
| <b>Total number of confirmed cases</b> |                    | <b>11,570</b>   | <b>100</b> |
| <b>Sex</b>                             | Male:Female ratio  | 0.99            |            |
|  | Male               | 5,754           | 49.73      |
|  | Female             | 5,793           | 50.07      |
|  | Unknown            | 23              | 0.2        |
| <b>Age</b>                             | Median age (years) | 33              |            |
|  | Mean age (years)   | 36              |            |
|  | Age range (years)  | 0 - 102         |            |
|  | 0-4 yrs            | 631             | 5.45       |
|  | 5-12 yrs           | 904             | 7.81       |
|  | 13-18 yrs          | 885             | 7.65       |
|  | 19-24 yrs          | 1,700           | 14.69      |
|  | 25-34 yrs          | 1,875           | 16.21      |
|  | 35-44 yrs          | 1,795           | 15.51      |
|  | 45-54 yrs          | 1,456           | 12.58      |
|  | 55-64 yrs          | 1,043           | 9.01       |
|  | 65-74 yrs          | 548             | 4.74       |
|  | 75-84 yrs          | 450             | 3.89       |
|  | 85+ yrs            | 282             | 2.44       |
|  | Unknown            | 1               | 0.01       |
| <b>Symptom status at time of test*</b> | Yes                | 6,974           | 60.28      |
|  | No                 | 2,338           | 20.21      |
|  | Unknown            | 2,258           | 19.52      |

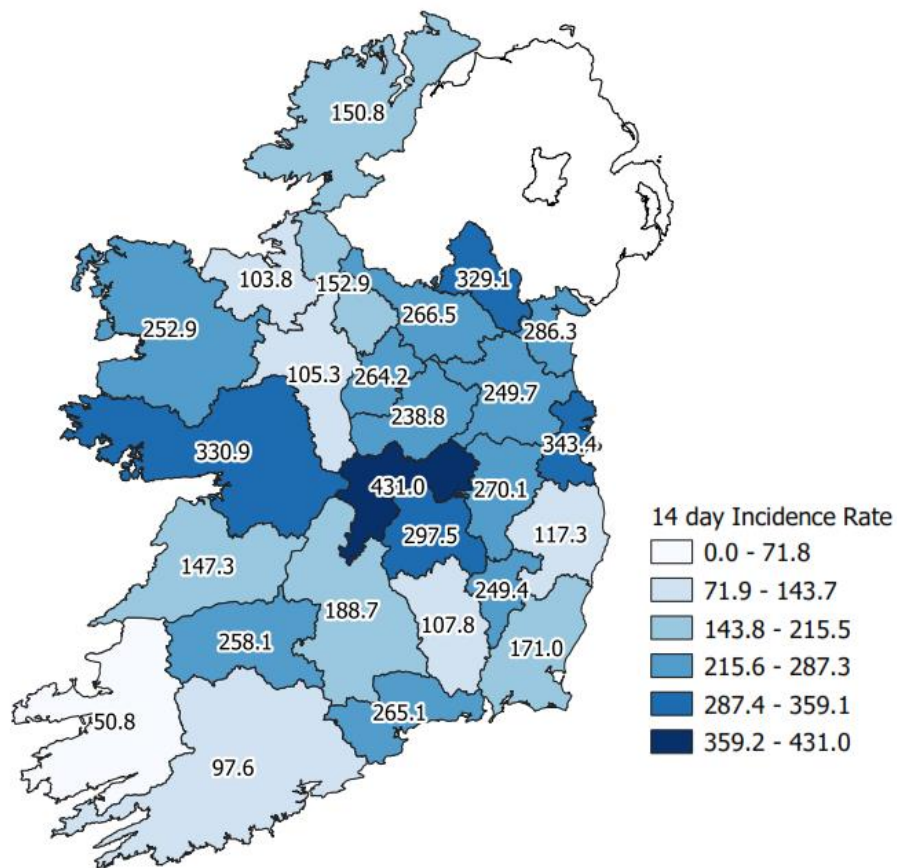
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 07/02/2021 to midnight 20/02/2021**

| CHO Area     | Number of confirmed cases | Incidence per 100,000 population |
|--------------|---------------------------|----------------------------------|
| CHO1         | 761                       | 194.5                            |
| CHO2         | 1,252                     | 276.3                            |
| CHO3         | 783                       | 203.4                            |
| CHO4         | 605                       | 87.6                             |
| CHO5         | 1,008                     | 197.5                            |
| CHO6         | 961                       | 250.8                            |
| CHO7         | 1,818                     | 256.9                            |
| CHO8         | 1,766                     | 285.2                            |
| CHO9         | 2,616                     | 421.0                            |
| Unknown      | 0                         |                                  |
| <b>Total</b> | <b>11,570</b>             | <b>243.0</b>                     |

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 07/02/2021 to midnight 20/02/2021**

| County       | Number of confirmed cases | Incidence per 100,000 population | 5 day moving average of confirmed cases (16/02/2021-20/02/2021) |
|--------------|---------------------------|----------------------------------|---|
| Offaly       | 336                       | 431.0                            | 25  |
| Dublin       | 4,627                     | 343.4                            | 297   |
| Galway       | 854                       | 330.9                            | 60  |
| Monaghan     | 202                       | 329.1                            | 13  |
| Laois        | 252                       | 297.5                            | 20  |
| Louth        | 369                       | 286.3                            | 23  |
| Kildare      | 601                       | 270.1                            | 50  |
| Cavan        | 203                       | 266.5                            | 12  |
| Waterford    | 308                       | 265.1                            | 23  |
| Longford     | 108                       | 264.2                            | 12  |
| Limerick     | 503                       | 258.1                            | 44  |
| Mayo         | 330                       | 252.9                            | 26  |
| Meath        | 487                       | 249.7                            | 33  |
| Carlow       | 142                       | 249.4                            | 7   |
| Westmeath    | 212                       | 238.8                            | 15  |
| Tipperary    | 301                       | 188.7                            | 28  |
| Wexford      | 256                       | 171.0                            | 10  |
| Leitrim      | 49                        | 152.9                            | 3   |
| Donegal      | 240                       | 150.8                            | 20  |
| Clare        | 175                       | 147.3                            | 14  |
| Wicklow      | 167                       | 117.3                            | 11  |
| Kilkenny     | 107                       | 107.8                            | 8   |
| Roscommon    | 68                        | 105.4                            | 4   |
| Sligo        | 68                        | 103.8                            | 3   |
| Cork         | 530                       | 97.6                             | 31  |
| Kerry        | 75                        | 50.8                             | 3   |
| <b>Total</b> | <b>11,570</b>             | <b>243.0</b>                     | <b>795</b>  |



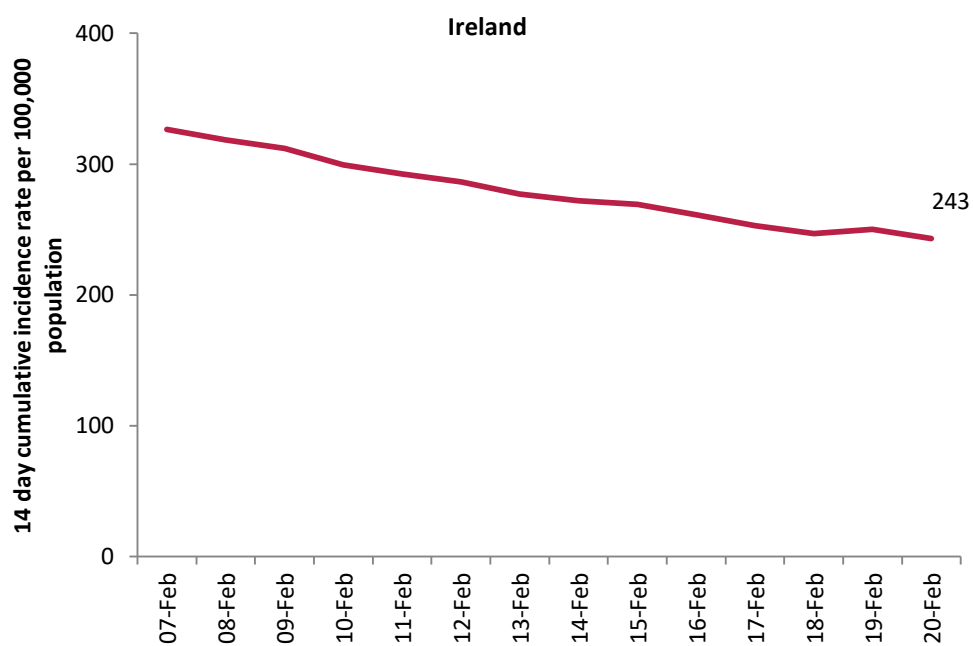
**Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 07/02/2021 and 20/02/2021**

*Please do not directly compare county shades to previous maps. The categories listed will change as the number of cases change, which may result in changes to the map shading.*

**Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices\* (LHOs) notified in Ireland with a notification date between 07/02/2021 and 20/02/2021**

| CCA  | Local Health Office  | Number of cases in past 14 days<br>based on notification date | 14 day incidence rates<br>based on notification dates |
|------|----------------------|---|---|
| CCA1 | Dublin South         | 205   | 150.7   |
| CCA2 | Dublin South East    | 594   | 480.2   |
| CCA3 | Dublin South City    | 242   | 161.4   |
| CCA4 | Dublin South West    | 393   | 244.3   |
| CCA5 | Dublin West          | 577   | 371.4   |
| CCA6 | Dublin North West    | 931   | 448.3   |
| CCA7 | Dublin North Central | 1070  | 692.2   |
| CCA8 | Dublin North         | 615   | 237.3   |
|      | Unknown              |   |   |
|      | <b>Dublin</b>        | <b>4,627</b>  | <b>343.4</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.



**Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland\* (07/02/2021 to 20/02/2021)**

\*14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

**Table 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 07/02/2021 to midnight 20/02/2021**

| Most likely transmission source           | Number of cases | Percent        |
|---|-----------------|----------------|
| Travel related                            | 72              | 0.62%          |
| Close contact with a known confirmed case | 6,008           | 51.93%         |
| Healthcare setting acquired: patient      | 500             | 4.32%          |
| Healthcare setting acquired: staff        | 295             | 2.55%          |
| Community transmission                    | 2,056           | 17.77%         |
| Under investigation                       | 2,639           | 22.81%         |
| <b>Total</b>                              | <b>11,570</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 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 07/02/2021 to midnight 20/02/2021 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           | 631                 | 18                     | 2.24                   | 0                         | 0.00                      |
| 5-12 yrs          | 904                 | 18                     | 2.24                   | 0                         | 0.00                      |
| 13-18 yrs         | 885                 | 20                     | 2.49                   | 0                         | 0.00                      |
| 19-24 yrs         | 1700                | 40                     | 4.98                   | <5                        | 2.63                      |
| 25-34 yrs         | 1875                | 66                     | 8.22                   | <5                        | 7.89                      |
| 35-44 yrs         | 1795                | 71                     | 8.84                   | <5                        | 10.53                     |
| 45-54 yrs         | 1456                | 88                     | 10.96                  | 11                        | 28.95                     |
| 55-64 yrs         | 1043                | 100                    | 12.45                  | 4                         | 10.53                     |
| 65-74 yrs         | 548                 | 116                    | 14.45                  | 8                         | 21.05                     |
| 75-84 yrs         | 450                 | 176                    | 21.92                  | 7                         | 18.42                     |
| 85+ yrs           | 282                 | 90                     | 11.21                  | 0                         | 0.00                      |
| Unknown           | 1                   |                        |                        | 0                         | 0.00                      |
| <b>Total</b>      | <b>11,570</b>       | <b>803</b>             | <b>100.00</b>          | <b>38</b>                 | <b>100.00</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 days



Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 07/02/2021 up to midnight 20/02/2021

|                                    | Number  | Percent |
|------------------------------------|---------|---------|
| Total number of deaths             | 40      |         |
| Confirmed                          | 38      | 95      |
| Probable                           | 1       | 2.5     |
| Possible                           | 1       | 2.5     |
| Total number of cases hospitalised | 24      | 60      |
| Total number of male cases         | 28      | 70      |
| M:F ratio                          | 2.33    |         |
| Median age (years)                 | 81.5    |         |
| Mean age (years)                   | 79      |         |
| Age range (years)                  | 42 - 99 |         |
|                                    |         |         |
|                                    |         |         |
|                                    |         |         |
|                                    |         |         |
|                                    |         |         |
|                                    |         |         |

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 07/02/2021 up to midnight 20/02/2021

| Age group (years)        | Female | Male | Total | Percent |
|--------------------------|--------|------|-------|---------|
| 35-74 yrs                | *      | *    | 12    | 30      |
| 75-84 yrs                | 5      | 9    | 14    | 35      |
| 85+ yrs                  | 6      | 8    | 14    | 35      |
| Total                    | 12     | 28   | 40    | 100     |
| Percent                  | 30     | 70   |       |         |
| * One or both numbers <5 |        |      |       |         |
|                          |        |      |       |         |

## **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. 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. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 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.

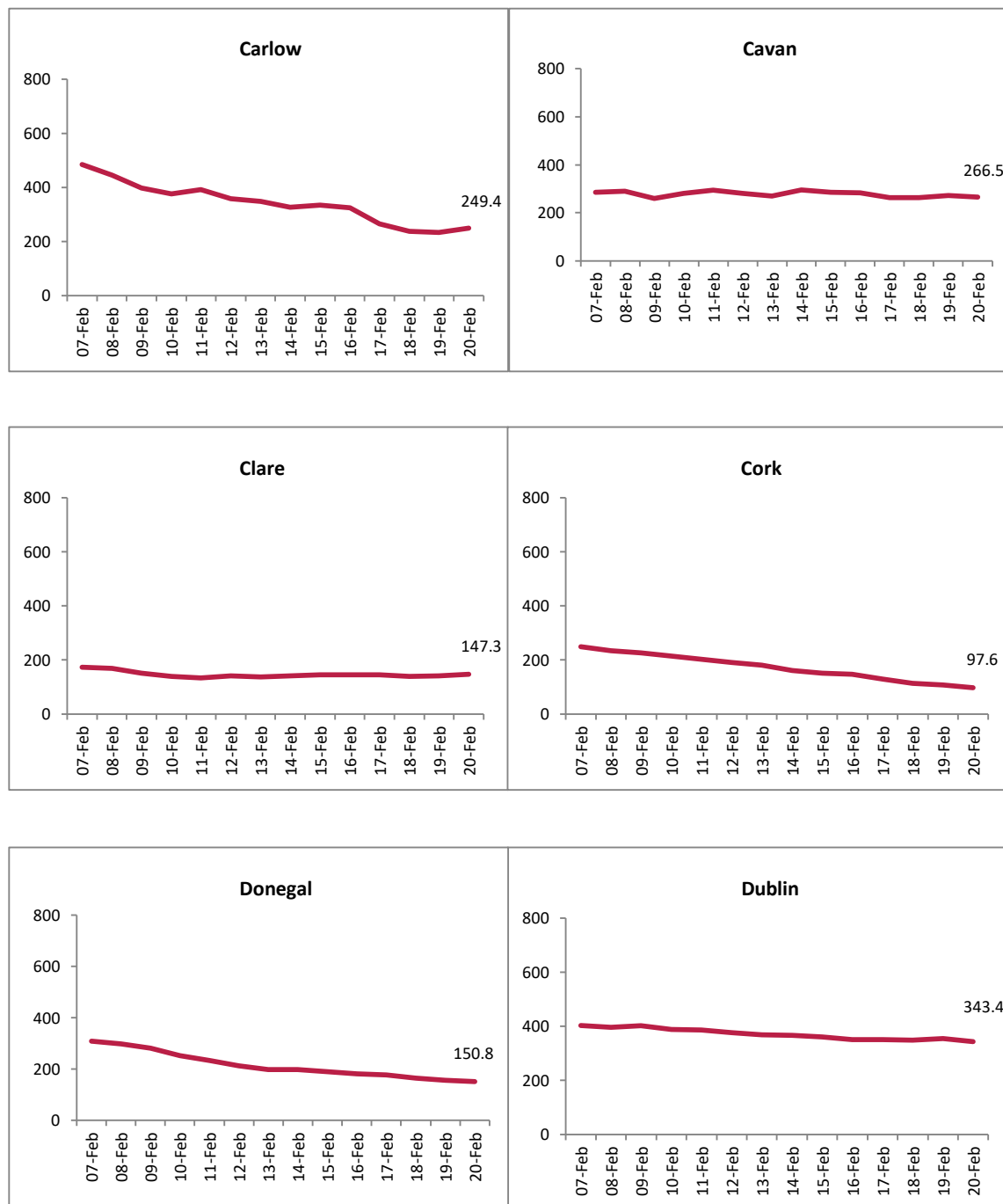
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

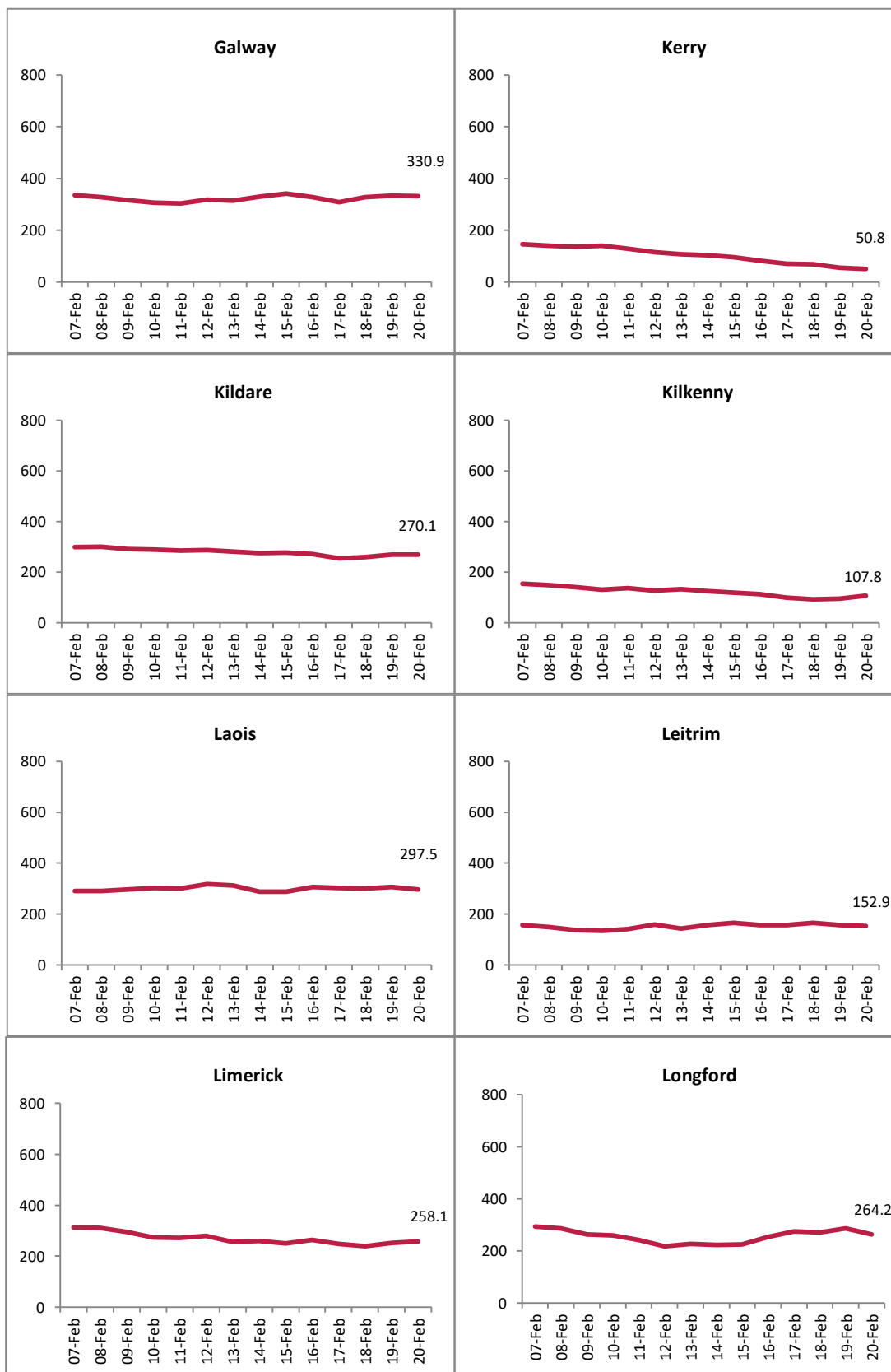
WHO definition of transmission classification is specified below:

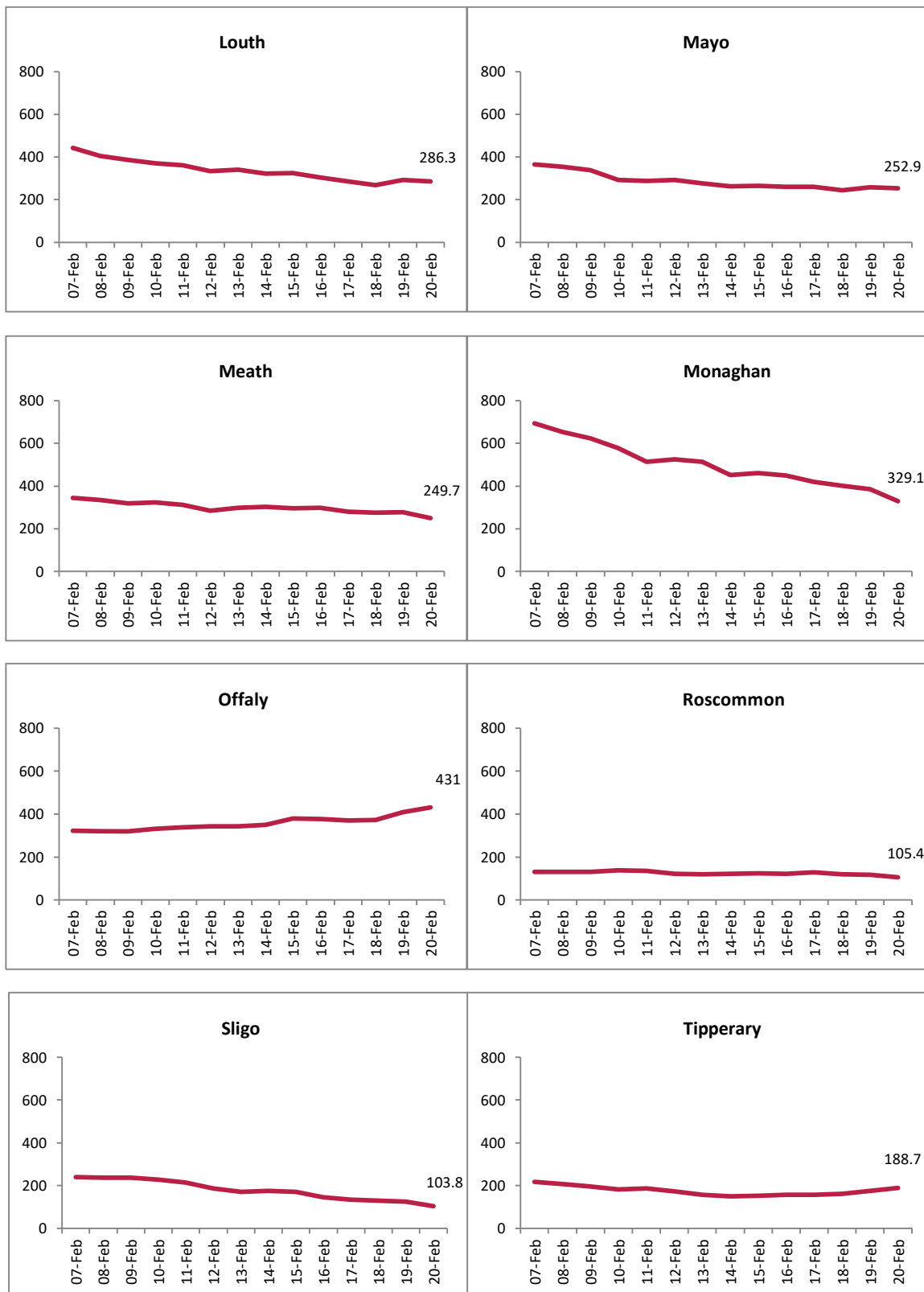
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.

## Appendix 1

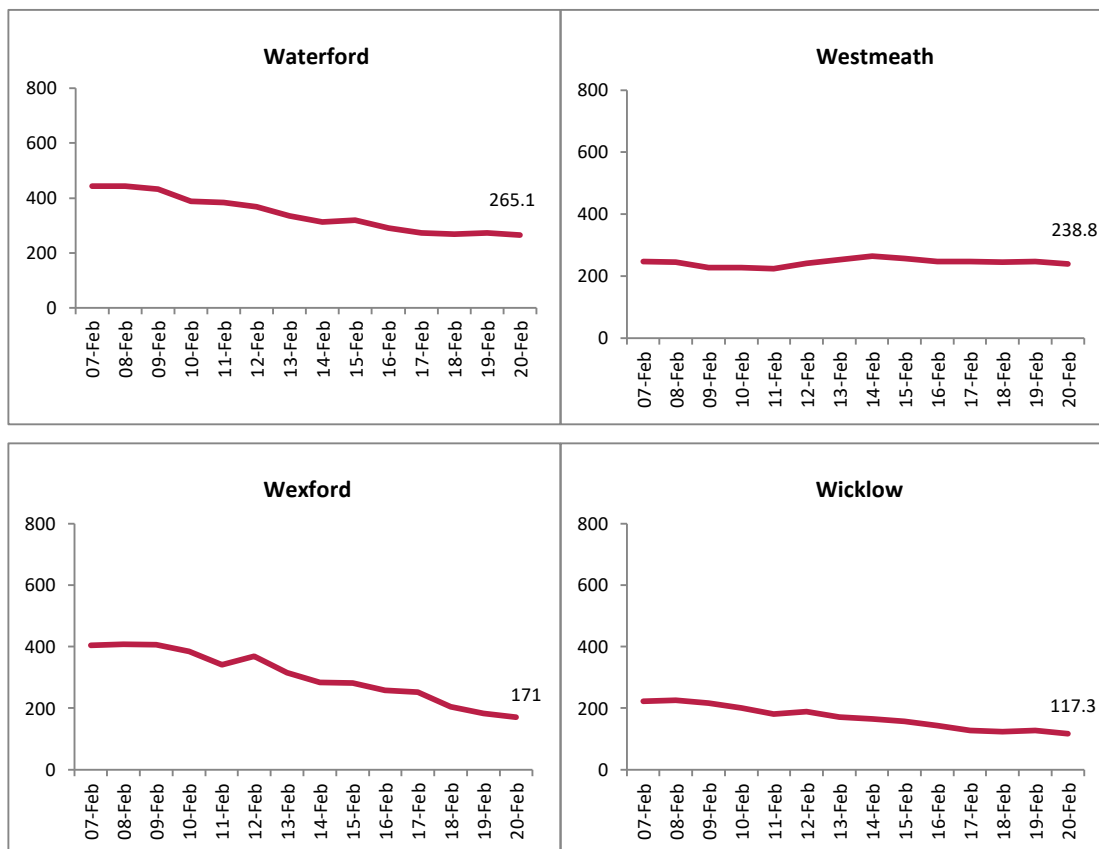
Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (07/02/2021 to 20/02/2021)







Report prepared by Health Protection Surveillance Centre on 21/02/2021



**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (07/02/2021 to 20/02/2021)**

