



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

Report prepared by HPSC on 29/11/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 15/11/2021 up to midnight on 28/11/2021

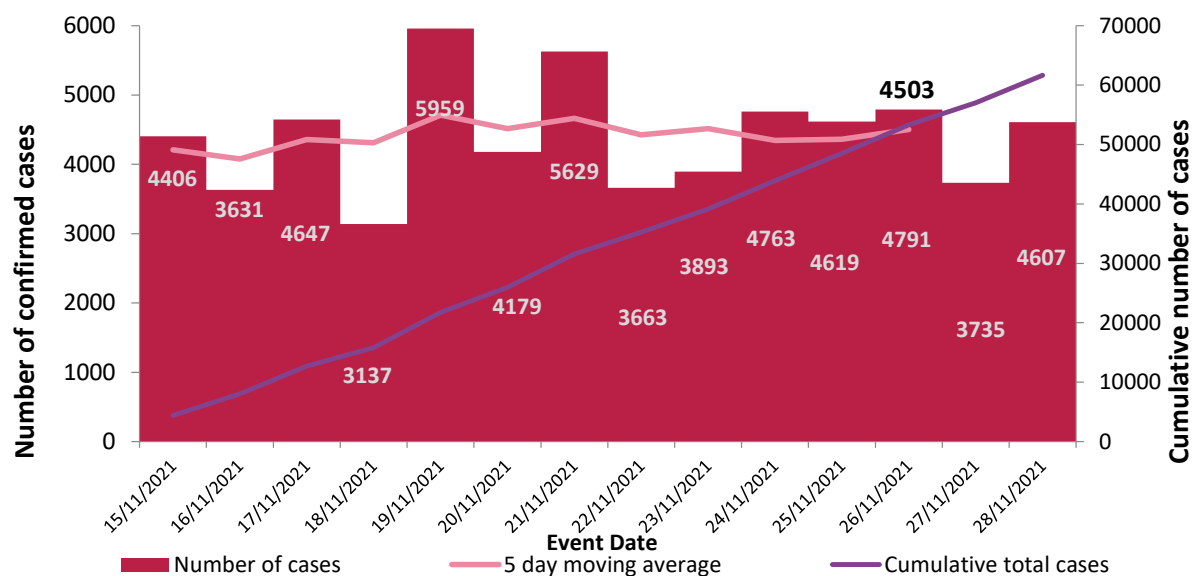
Data on the most likely source of transmission is no longer included in this report and will be reported on a weekly basis in the Weekly Report on the epidemiology of COVID-19 in Ireland

|   | Number | Percent |
|---|--------|---------|
| Total number of confirmed cases                   | 61,659 |         |
| National incidence of confirmed cases per 100,000 | 1294.8 |         |
| Number of cases hospitalised*                     | 577    | 0.94    |
| Number of cases admitted to ICU*                  | 30     | 0.05    |
| Number of cases in healthcare workers             | 462    | 0.75    |
| % where HCW is known                              | 3.4    |         |
| Number of cases associated with clusters**        | 746    | 1.21    |
| Males   | 30,695 | 49.8    |
| Females   | 30,887 | 50.1    |
| M:F ratio   | 0.99   |         |
| Median age (years)                                | 33     |         |
| Mean age (years)                                  | 33     |         |
| Age range (years)                                 | 0-101  |         |

\* The number of cases hospitalised and admitted to ICU described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

\*\*Cases may be associated with outbreaks notified outside the timeframe of this report from 15/11/2021 up to midnight on 28/11/2021. Also, this is likely an underestimate of cases associated with clusters as Departments of Public Health are prioritising Public Health Risk Assessments and outbreak investigations in settings that have the greatest clinical need or would benefit most from Public Health intervention.

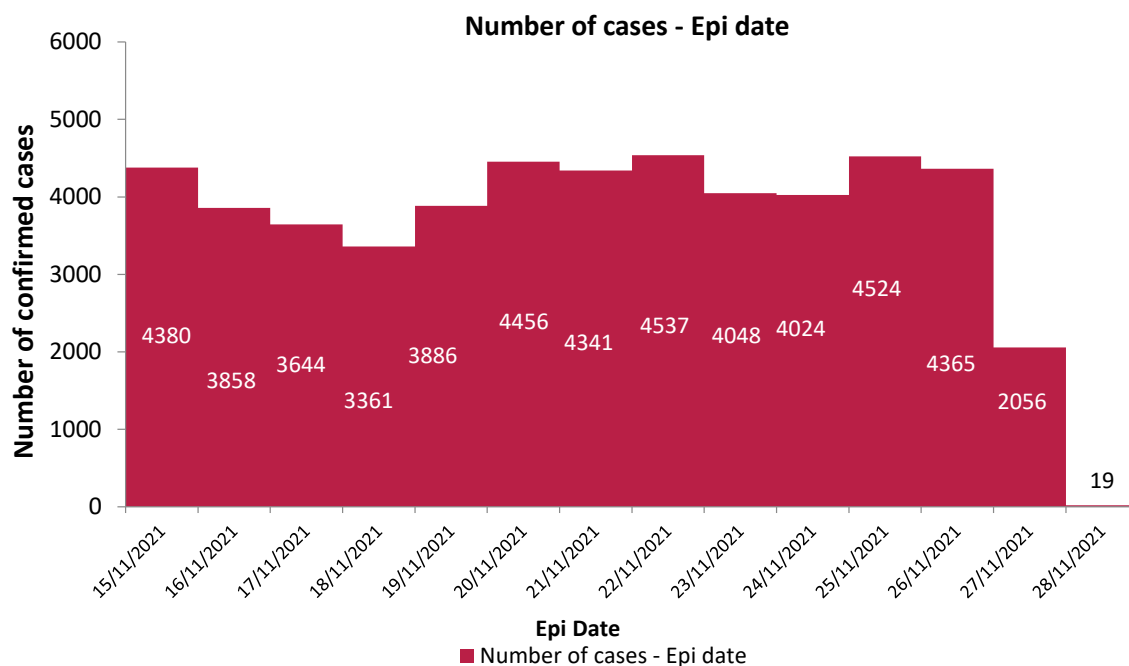
**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 29/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.**



**Figure 1a. Daily number\* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=61659)**

\*Changes in the timeliness of the processing steps on CIDR can lead to day to day variations in the number of daily cases. Using epidemiological date (figure 1b), or analysing over a longer time period such as a week or 14 days (figure 2), smooths out any variations introduced by processing times, and provide a more accurate picture of the trend.

Please see Epidemiology of COVID-19 in Ireland Frequently Asked Questions (<https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/epidemiologyfrequentlyaskedquestions/>) and the weekly epidemiological report (<https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/epidemiologyofcovid-19inirelandweeklyreports/>) for further detail and analyses.



**Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date\***

\*Epidemiological date is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR.

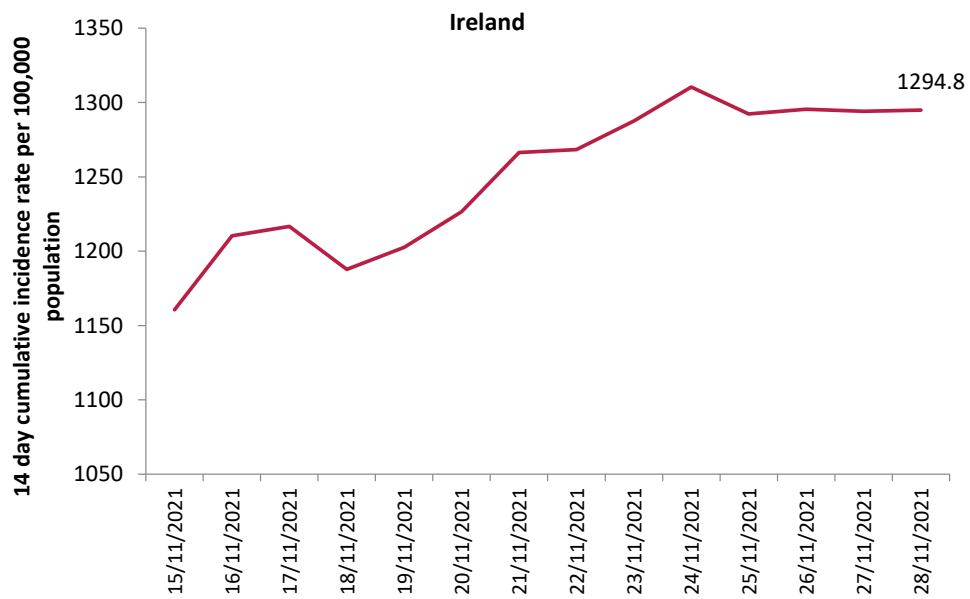
**Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 15/11/2021 up to midnight on 28/11/2021**

| Characteristic                         |                    | Number of cases | Percent    |
|--|--------------------|-----------------|------------|
| <b>Total number of confirmed cases</b> |                    | 61,659          | <b>100</b> |
| <b>Sex</b>                             | Male               | 30,695          | 49.8       |
|  | Female             | 30,887          | 50.1       |
|  | Unknown            | 77              | 0.1        |
| <b>Age</b>                             | Median age (years) | 33              |            |
|  | Mean age (years)   | 33              |            |
|  | Age range (years)  | 0-101           |            |
|  | 0-4 yrs            | 3012            | 4.9        |
|  | 5-12 yrs           | 11702           | 19.0       |
|  | 13-18 yrs          | 3535            | 5.7        |
|  | 19-24 yrs          | 5583            | 9.1        |
|  | 25-34 yrs          | 8759            | 14.2       |
|  | 35-44 yrs          | 11087           | 18.0       |
|  | 45-54 yrs          | 7970            | 12.9       |
|  | 55-64 yrs          | 5395            | 8.7        |
|  | 65-74 yrs          | 3422            | 5.5        |
|  | 75-84 yrs          | 956             | 1.6        |
|  | 85+ yrs            | 223             | 0.4        |
|  | Unknown            | 15              |            |
|  | Total              | 61,659          |            |

**Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 15/11/2021 up to midnight on 28/11/2021**

| Characteristic                         |                         | Number of cases | Percent    | Percent where known |
|--|-------------------------|-----------------|------------|---------------------|
| <b>Total number of confirmed cases</b> |                         | 61,659          | <b>100</b> |                     |
| <b>Symptom status at time of test*</b> | Yes                     | 11633           | 18.9       | 99.9                |
|  | No                      | 13              | 0.0        | 0.1                 |
|  | Unknown                 | 50,013          | 81.1       |                     |
|  | Total cases where known | 11646           |            |                     |
| <b>Healthcare worker</b>               | Yes                     | 462             | 0.7        | 3.4                 |
|  | No                      | 13046           | 21.2       | 96.6                |
|  | Unknown                 | 48,151          | 78.1       |                     |
|  | Total cases where known | 13508           |            |                     |

\*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.

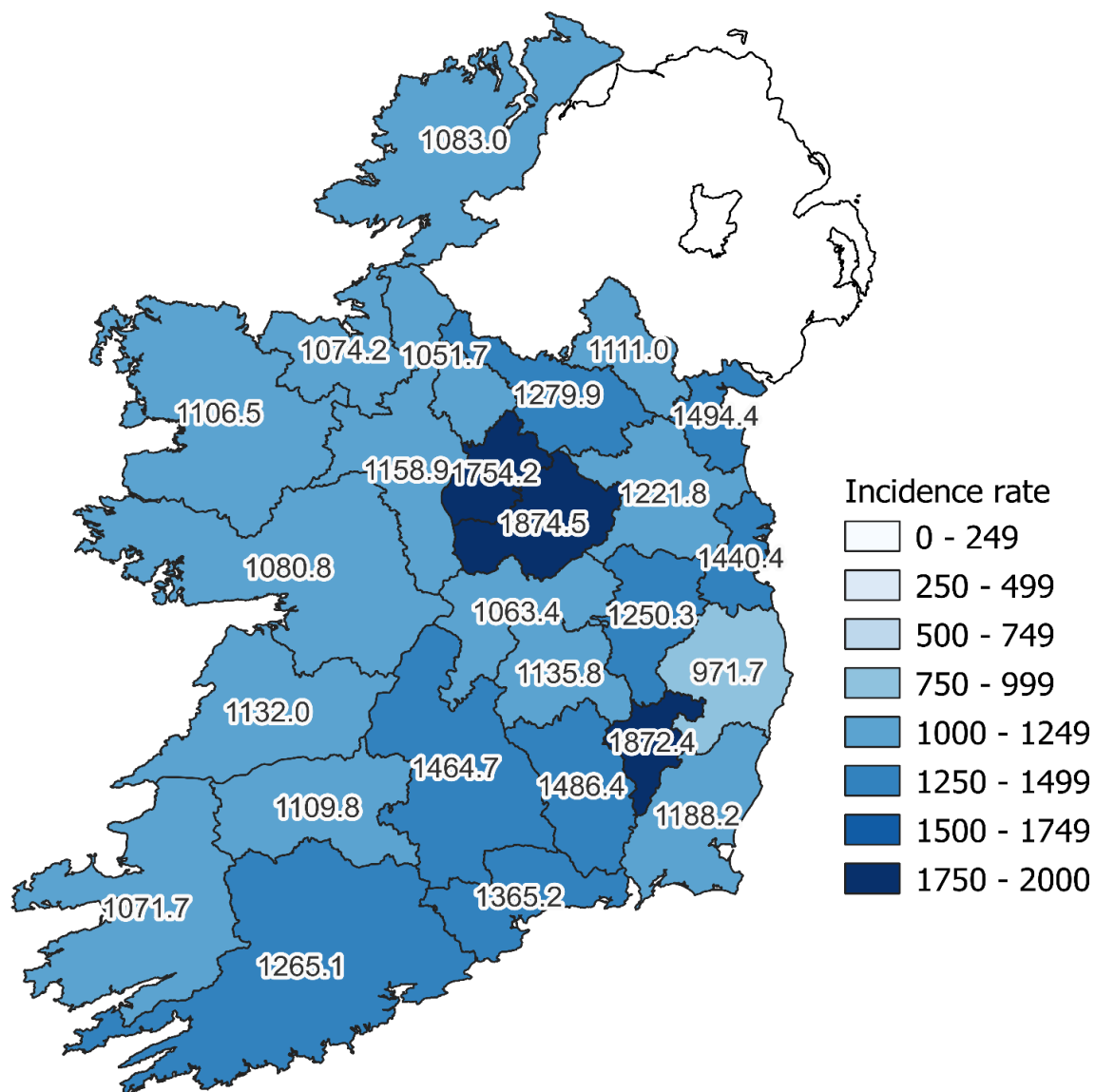


**Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 15/11/2021 up to midnight on 28/11/2021**

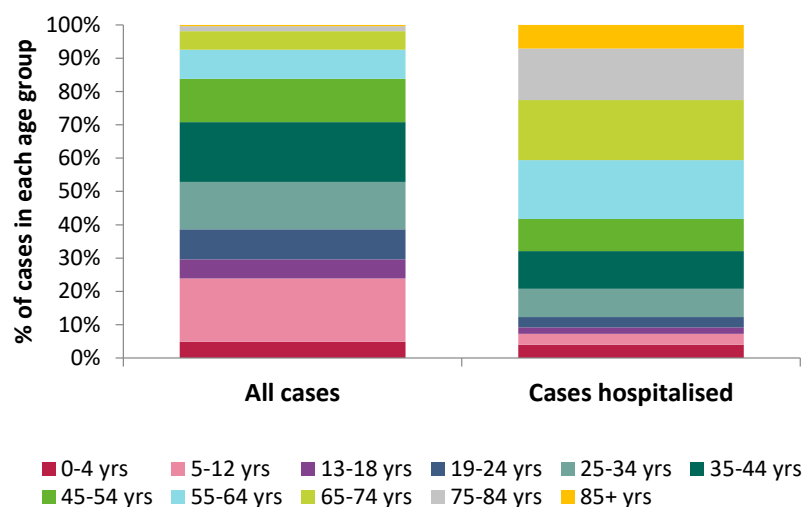
14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 15/11/2021 up to midnight on 28/11/2021, 7 day numbers are reported from 22/11/2021 up to midnight on 28/11/2021**

| County        | Number of confirmed cases in last 7 days | 7-day Incidence per 100,000 population | Number of confirmed cases in last 14 days | 14-day Incidence per 100,000 population | 7 day incidence rate as a percentage of 14 day rate | 5 day moving average of confirmed cases (24/11/2021 - 28/11/2021) |
|---------------|--|--|---|---|---|---|
| Carlow        | 557                                      | 978.4                                  | 1066                                      | 1872.4                                  | 52.25   | 89  |
| Longford      | 385                                      | 941.9                                  | 717                                       | 1754.2                                  | 53.70   | 66  |
| Westmeath     | 833                                      | 938.4                                  | 1664                                      | 1874.5                                  | 50.06   | 127   |
| Tipperary     | 1,201                                    | 752.7                                  | 2337                                      | 1464.7                                  | 51.39   | 187   |
| Dublin        | 9,741                                    | 723.0                                  | 19407                                     | 1440.4                                  | 50.19   | 1410  |
| Kilkenny      | 692                                      | 697.4                                  | 1475                                      | 1486.4                                  | 46.92   | 103   |
| Cork          | 3,555                                    | 654.9                                  | 6868                                      | 1265.1                                  | 51.76   | 526   |
| Louth         | 837                                      | 649.4                                  | 1926                                      | 1494.4                                  | 43.46   | 134   |
| Laois         | 539                                      | 636.4                                  | 962                                       | 1135.8                                  | 56.03   | 88  |
| Waterford     | 735                                      | 632.7                                  | 1586                                      | 1365.2                                  | 46.34   | 110   |
| Wexford       | 940                                      | 627.8                                  | 1779                                      | 1188.2                                  | 52.84   | 152   |
| Kildare       | 1,384                                    | 622.0                                  | 2782                                      | 1250.3                                  | 49.75   | 205   |
| Limerick      | 1,104                                    | 566.4                                  | 2163                                      | 1109.8                                  | 51.04   | 156   |
| Cavan         | 410                                      | 538.2                                  | 975                                       | 1279.9                                  | 42.05   | 58  |
| Meath         | 1,048                                    | 537.3                                  | 2383                                      | 1221.8                                  | 43.98   | 162   |
| Monaghan      | 329                                      | 536.0                                  | 682                                       | 1111.0                                  | 48.24   | 49  |
| Clare         | 627                                      | 527.7                                  | 1345                                      | 1132.0                                  | 46.62   | 90  |
| Galway        | 1,336                                    | 517.7                                  | 2789                                      | 1080.8                                  | 47.90   | 213   |
| Roscommon     | 320                                      | 495.8                                  | 748                                       | 1158.9                                  | 42.78   | 55  |
| Sligo         | 323                                      | 492.9                                  | 704                                       | 1074.2                                  | 45.88   | 39  |
| Offaly        | 384                                      | 492.6                                  | 829                                       | 1063.4                                  | 46.32   | 57  |
| Kerry         | 694                                      | 469.8                                  | 1583                                      | 1071.7                                  | 43.84   | 101   |
| Wicklow       | 662                                      | 464.8                                  | 1384                                      | 971.7                                   | 47.83   | 101   |
| Donegal       | 733                                      | 460.5                                  | 1724                                      | 1083.0                                  | 42.52   | 110   |
| Mayo          | 577                                      | 442.1                                  | 1444                                      | 1106.5                                  | 39.96   | 96  |
| Leitrim       | 125                                      | 390.1                                  | 337                                       | 1051.7                                  | 37.09   | 18  |
| Unknown/Other |  |  |   |   |   |   |
| <b>Total</b>  | <b>30,071</b>                            | <b>631.5</b>                           | <b>61659</b>                              | <b>1294.8</b>                           | <b>48.77</b>  | <b>4503</b>   |



**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 15/11/2021 up to midnight on 28/11/2021**



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 15/11/2021 up to midnight on 28/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU\***

**Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 15/11/2021 up to midnight on 28/11/2021, by age group, hospitalisation and ICU admission\***

| Age Group (years) | Number of cases (n) | Number of cases (%) | Cases hospitalised (n) | Cases hospitalised (%) | Cases admitted to ICU (n) | Cases admitted to ICU (%) |
|-------------------|---------------------|---------------------|------------------------|------------------------|---------------------------|---------------------------|
| 0-4 yrs           | 3012                | 4.9                 | 23                     | 4.0                    | 0                         | 0.0                       |
| 5-12 yrs          | 11702               | 19.0                | 19                     | 3.3                    | <5                        | -                         |
| 13-18 yrs         | 3535                | 5.7                 | 11                     | 1.9                    | 0                         | 0.0                       |
| 19-24 yrs         | 5583                | 9.1                 | 18                     | 3.1                    | <5                        | -                         |
| 25-34 yrs         | 8759                | 14.2                | 49                     | 8.5                    | <5                        | -                         |
| 35-44 yrs         | 11087               | 18.0                | 65                     | 11.3                   | <5                        | -                         |
| 45-54 yrs         | 7970                | 12.9                | 56                     | 9.7                    | <5                        | -                         |
| 55-64 yrs         | 5395                | 8.7                 | 102                    | 17.7                   | 6                         | 20.0                      |
| 65-74 yrs         | 3422                | 5.5                 | 104                    | 18.0                   | 12                        | 40.0                      |
| 75-84 yrs         | 956                 | 1.6                 | 89                     | 15.4                   | <5                        | -                         |
| 85+ yrs           | 223                 | 0.4                 | 41                     | 7.1                    | <5                        | -                         |
| Unknown           | 15                  | 0.0                 | 0                      | 0.0                    | 0                         | 0.0                       |
| <b>Total</b>      | <b>61659</b>        | <b>100</b>          | <b>577</b>             | <b>100</b>             | <b>30</b>                 | <b>100</b>                |

\* The number of cases hospitalised and admitted to ICU described in the above table and figure relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

**Table 5: Daily number of confirmed COVID-19 cases notified in Ireland from 15/11/2021 up to midnight on 28/11/2021**

| Date         | Number of confirmed cases |
|--------------|---------------------------|
| 15/11/2021   | 4406                      |
| 16/11/2021   | 3631                      |
| 17/11/2021   | 4647                      |
| 18/11/2021   | 3137                      |
| 19/11/2021   | 5959                      |
| 20/11/2021   | 4179                      |
| 21/11/2021   | 5629                      |
| 22/11/2021   | 3663                      |
| 23/11/2021   | 3893                      |
| 24/11/2021   | 4763                      |
| 25/11/2021   | 4619                      |
| 26/11/2021   | 4791                      |
| 27/11/2021   | 3735                      |
| 28/11/2021   | 4607                      |
| <b>Total</b> | <b>61,659</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. 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. Epidemiological date

The epi-date is the epidemiological date for a case. It is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR. By using this date rather than event creation/ notification date, adjusts for any delays in testing/notification.

## Appendix 1

**Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (15/11/2021 to 28/11/2021)**

