Meningococcal Surveillance Australia

Reporting period 1 January to 31 March 2022

Monica M Lahra, Sanghamitra Ray and Tiffany R Hogan for the National Neisseria Network
Quarterly Report

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The reference laboratories of the National Neisseria Network, Australia report data on invasive meningococcal disease (IMD) cases confirmed by culture and or molecular techniques for the Australian Meningococcal Surveillance Programme (AMSP). Culture-positive cases, where Neisseria meningitidis is grown from a normally sterile site or from skin lesions, and molecular-based diagnoses, are defined as IMD by the Public Health Laboratory Network definitions. Data contained in quarterly reports are restricted to a description of the numbers of cases by jurisdiction and serogroup, when known. Some minor corrections to data in Table 1 may be made in subsequent reports if additional data are received. Of note, the number of laboratory confirmations of IMD in the first quarter of 2022 is equivalent to the corresponding period in 2021, whereas in the same period for 2020 (pre-pandemic restrictions) there were 30 confirmations in this quarter. Notifications will be closely monitored as the public health restrictions implemented during the COVID-19 pandemic are relaxed nationwide. A full analysis of laboratory-confirmed cases of IMD in each calendar year is contained in the AMSP annual report published in Communicable Diseases Intelligence.

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References

1. Lahra MM, Shoushtari M, Hogan TR. Meningococcal Surveillance Australia: Reporting period 1 January to 31 March 2021. Commun Dis Intell (2018). 2021:45. doi: https://doi.org/10.33321/cdi.2021.45.45.
Table 1: Number of laboratory-confirmed cases of invasive meningococcal disease, Australia, 1 January to 31 March 2022, by serogroup and state or territory

| Jurisdiction              | Year | A  | B  | C  | Y  | W  | ND* | All |
|---------------------------|------|----|----|----|----|----|-----|-----|
|                           |      | Q1 | ytd| Q1 | ytd| Q1 | ytd | Q1  | ytd | Q1 | ytd | Q1  | ytd |
| Australian Capital Territory | 2022 | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0  | 0   | 0   | 0   |
|                           | 2021 | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0  | 0   | 0   | 0   |
| New South Wales           | 2022 | 0  | 0  | 3  | 3  | 0  | 0   | 0   | 0   | 0  | 0   | 1   | 4   |
|                           | 2021 | 0  | 0  | 0  | 0  | 0  | 1   | 1   | 1   | 1  | 1   | 3   | 3   |
| Northern Territory        | 2022 | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0  | 0   | 0   | 0   |
|                           | 2021 | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0  | 0   | 2   | 2   |
| Queensland                | 2022 | 0  | 0  | 2  | 2  | 0  | 0   | 0   | 0   | 0  | 0   | 3   | 3   |
|                           | 2021 | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0  | 0   | 2   | 2   |
| South Australia           | 2022 | 0  | 2  | 2  | 0  | 0  | 0   | 0   | 0   | 0  | 0   | 0   | 2   |
|                           | 2021 | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 1   | 1  | 0   | 1   | 1   |
| Tasmania                  | 2022 | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0  | 0   | 0   | 0   |
|                           | 2021 | 0  | 0  | 1  | 1  | 0  | 0   | 0   | 0   | 0  | 0   | 1   | 1   |
| Victoria                  | 2022 | 0  | 0  | 3  | 3  | 0  | 0   | 0   | 0   | 0  | 1   | 1   | 4   |
|                           | 2021 | 0  | 0  | 4  | 4  | 0  | 0   | 0   | 0   | 0  | 1   | 1   | 5   |
| Western Australia         | 2022 | 0  | 0  | 3  | 3  | 0  | 0   | 0   | 0   | 0  | 0   | 0   | 4   |
|                           | 2021 | 0  | 0  | 3  | 3  | 0  | 0   | 0   | 0   | 0  | 0   | 3   | 3   |
| Australia                 | 2022 | 0  | 0  | 13 | 13 | 0  | 0   | 1   | 1   | 0  | 2   | 2   | 16  |
|                           | 2021 | 0  | 0  | 8  | 8  | 0  | 0   | 4   | 4   | 2  | 2   | 2   | 16  |

a ND: not determined.
b ytd: year to date, data from 1 January to 31 March 2022.