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Meningococcal Surveillance Australia

Reporting period 1 July to 30 September 2020

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for the National Neisseria Network

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Quarterly report

Meningococcal Surveillance Australia

Reporting period 1 July to 30 September 2020

Monica M. Lahra, Masoud Shoushtari and Tiffany R Hogan for the National Neisseria Network

The reference laboratories of the National Neisseria Network (NNN), Australia report laboratory data on invasive meningococcal disease (IMD) cases confirmed by laboratory testing using culture- and non-culture-based techniques for the Australian Meningococcal Surveillance Programme. Culture-positive cases, where *Neisseria meningitidis* is grown from a normally sterile site or skin lesions, and non-culture-based diagnoses (nucleic acid amplification testing), 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, where known. Some minor corrections to data in Table 1 may be made in subsequent reports if additional data are received. However it is noted that there has been a substantial reduction in number of IMD cases notified in 2020, across all quarters. 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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Table 1: Number of laboratory-confirmed cases of invasive meningococcal disease, Australia, 1 July to 30 September 2020,^a by serogroup and state or territory

| Jurisdiction | Serogroup | | | | | | | | | | | | | | |
|------------------------------|-------------|----------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------------------|----------|-----------|------------|
| | Year | A | | B | | C | | Y | | W | | ND/other ^b | | All | |
| | | Q3 | ytd | Q3 | ytd | Q3 | ytd | Q3 | ytd | Q3 | ytd | Q3 | ytd | Q3 | ytd |
| Australian Capital Territory | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | 2019 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| New South Wales | 2020 | 0 | 0 | 5 | 11 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 14 |
| | 2019 | 0 | 0 | 14 | 24 | 0 | 0 | 9 | 9 | 6 | 9 | 0 | 0 | 29 | 42 |
| Northern Territory | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 |
| Queensland | 2020 | 0 | 0 | 2 | 13 | 0 | 0 | 1 | 4 | 1 | 4 | 0 | 0 | 4 | 21 |
| | 2019 | 0 | 0 | 7 | 17 | 0 | 0 | 10 | 17 | 3 | 5 | 0 | 0 | 20 | 39 |
| South Australia | 2020 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| | 2019 | 0 | 0 | 7 | 15 | 0 | 0 | 1 | 3 | 2 | 3 | 0 | 0 | 10 | 21 |
| Tasmania | 2020 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 2019 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 5 |
| Victoria | 2020 | 0 | 0 | 5 | 10 | 0 | 0 | 1 | 2 | 1 | 3 | 0 | 0 | 2 | 17 |
| | 2019 | 0 | 0 | 4 | 12 | 0 | 0 | 0 | 2 | 5 | 12 | 0 | 0 | 9 | 26 |
| Western Australia | 2020 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 5 | 0 | 0 | 3 | 8 |
| | 2019 | 0 | 0 | 2 | 5 | 0 | 5 | 1 | 1 | 3 | 6 | 0 | 0 | 6 | 17 |
| Australia | 2020 | 0 | 0 | 13 | 39 | 0 | 0 | 3 | 11 | 4 | 14 | 0 | 2 | 20 | 66 |
| | 2019 | 0 | 0 | 35 | 77 | 0 | 5 | 21 | 32 | 19 | 42 | 0 | 0 | 75 | 156 |

^a Data analysed by specimen collection date.

^b ND: not determined.