



Australian Government

**Department of Health
and Aged Care**

2023 · Volume 47

Communicable Diseases Intelligence

Meningococcal Surveillance Australia

Reporting period 1 July to 30 September 2022

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

<https://doi.org/10.33321/cdi.2023.47.4>

Electronic publication date: 19/01/2023

<http://health.gov.au/cdi>

Communicable Diseases Intelligence

ISSN: 2209-6051 Online

This journal is indexed by Index Medicus and Medline.

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Communicable Diseases Intelligence (CDI) is a peer-reviewed scientific journal published by the Office of Health Protection and Response, Department of Health and Aged Care. The journal aims to disseminate information on the epidemiology, surveillance, prevention and control of communicable diseases of relevance to Australia.

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Quarterly report

Meningococcal Surveillance Australia

Reporting period 1 July to 30 September 2022

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

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. Over the third quarter of 2022, IMD in Australia has continued to rise and now reaches almost double than in the third quarter of 2021 year to date; however, the 2022 year-to-date total is still approximately half that reported ($n = 156$) in the corresponding period in 2019 (pre-pandemic years). Of importance is the increase in representation of MenB disease in 2022, currently accounting for 80% of IMD nationally, compared to 50–62% MenB IMD reported in 2019 to 2021.^{1,2} 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 2022, by serogroup and state or territory

Jurisdiction	Year	Serogroup																	
		A		B		C		Y		W		ND ^a		All					
		Q3	ytd ^b	Q3	ytd	Q3	ytd	Q3	ytd	Q3	ytd	Q3	ytd	Q3	ytd	Q3	ytd		
Australian Capital Territory	2022	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
New South Wales	2022	0	0	13	21	0	0	0	0	0	0	0	0	0	0	0	1	13	22
	2021	0	0	0	6	0	0	2	3	0	0	0	0	0	0	0	1	2	12
Northern Territory	2022	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Queensland	2022	0	0	9	15	0	0	3	5	0	0	1	1	1	1	1	13	23	
	2021	0	0	2	3	0	0	0	5	1	2	0	0	0	0	0	3	10	
South Australia	2022	0	0	5	11	0	0	0	0	0	0	0	0	0	0	0	1	6	12
	2021	0	0	1	3	0	0	0	0	1	4	0	0	0	0	0	2	7	
Tasmania	2022	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	2021	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	
Victoria	2022	0	0	3	10	0	0	0	0	0	0	0	0	0	0	0	1	3	11
	2021	0	0	1	6	0	0	0	2	0	0	0	0	0	0	0	1	9	
Western Australia	2022	0	0	3	9	0	0	0	2	1	3	0	0	0	0	0	4	14	
	2021	0	0	0	3	0	0	0	1	1	1	0	0	0	0	0	1	7	
Australia	2022	0	0	36	69	0	0	3	8	1	5	2	4	2	4	42	86		
	2021	0	0	4	23	0	0	2	11	3	9	0	4	0	4	9	47		

a ND: not determined.

b ytd: year to date, data from 1 January to 30 September 2022.