



Supporting Information

Supplementary results

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: McHugh L, D'Antoine HA, Sarna M, et al. The effectiveness of maternal pertussis vaccination for protecting Aboriginal and Torres Strait Islander infants against infection, 2012–2017: a retrospective cohort study. *Med J Aust* 2024; doi: 10.5694/mja2.52220.

Table. Pertussis among infants under 6 months of age in the Northern Territory, Queensland, and Western Australia, 2015–2017: cases and incidence

Characteristic	Cases	Incidence per 10 000 infants (95% CI)
State/territory		
Northern Territory	11	11 (6.1–20)
Queensland	86	4.4 (3.6–5.5)
Western Australia	27	3.6 (2.5–5.2)
Remoteness*		
Major city	49	4.0 (3.0–5.3)
Inner regional	22	6.0 (4.0–9.2)
Outer regional	14	4.8 (2.9–8.1)
Remote	<5	3.1 (0.5–18)
Very remote	<5	0.4 (0.0–24)
Socio-economic status†		
Quintile 1	46	7.8 (5.9–10)
Quintile 2	27	5.1 (3.5–7.4)
Quintile 3	21	3.8 (2.5–5.8)
Quintile 4	16	2.7 (1.7–4.4)
Quintile 5	14	2.6 (1.6–4.4)
Antenatal care		
From first trimester	89	4.3 (3.5–5.3)
From second trimester	>30	4.8 (3.4–6.8)
From third trimester	<5	3.0 (0.8–11)
Time of birth		
Term birth	111	4.3 (3.5–5.1)
Moderately pre-term	>10	6.8 (3.8–12)
Very pre-term	<5	7.3 (1.3–41)
Extreme pre-term	<5	4.2 (0.7–24)
Body mass index		
Overweight/obese (≥ 25)	62	5.2 (4.1–6.7)
Normal (18.5 to <25)	40	3.0 (2.2–4.0)
Underweight (<18.5)	8	6.0 (3.0–12)
Influenza vaccine		
Yes	24	3.5 (2.3–5.2)
No	100	4.8 (3.9–5.8)
Smoking		
Yes	39	12 (8.9–17)
No	85	3.4 (2.8–4.2)
Maternal age		
Under 20 years	14	15 (8.7–24)
20–24 years	19	4.6 (3.0–7.2)
25–29 years	33	4.2 (2.9–5.8)
30–34 years	31	3.3 (2.3–4.7)
35 years or older	27	4.8 (3.3–7.0)

Characteristic	Cases	Incidence per 10 000 infants (95% CI)
Asthma		
Yes	11	7.6 (4.3–14)
No	113	4.3 (3.5–5.1)
Hypertension		
Yes	6	15 (7.0–33)
No	118	4.3 (3.6–5.1)
Diabetes		
Yes	<5	8.3 (2.3–30)
No	>119	4.4 (3.7–5.3)

When necessary, data counts have been suppressed (i.e., indicating less than or greater than values) in accordance with data confidentiality requirements.

CI = confidence interval.

* Australian Statistical Geography Standard Remoteness Structure, by mother's residential postcode.¹

† Index of Relative Socio-economic Advantage and Disadvantage (IRSAD), by mother's residential postcode.²

References

1. Australian Bureau of Statistics. Australian Statistical Geography Standard (ASGS): Volume 5. Remoteness structure, July 2016 (1270.0.55.005). 16 Mar 2018. <https://www.abs.gov.au/ausstats/abs@.nsf/mf/1270.0.55.005> (viewed Dec 2023).
2. Australian Bureau of Statistics. IRSAD. In: Census of Population and Housing: Socio-Economic Indexes for Areas (SEIFA), Australia, 2016 (2033.0.55.001). 27 Mar 2018. <https://www.abs.gov.au/statistics/people/people-and-communities/socio-economic-indexes-areas-seifa-australia/latest-release#index-of-relative-socio-economic-advantage-and-disadvantage-irsad-> (viewed Dec 2023).