Investigating trends in Hepatitis B epidemiology within Indigenous populations in the Northern Territory

Ashleigh Qama, Benjamin C. Cowie, Joshua S. Davis, Jane Davies 14 August 2018









Chronic hepatitis B in AustraliaImage: Chronic hepatitis B in Australia</t

MacLachlan JH, Thomas L, Cowie BC, Allard N. Hepatitis B Mapping Project: Estimates of geographic diversity in chronic hepatitis B prevalence, diagnosis, monitoring and treatment - National Report 2016. 2018. Available from: http://www.ashm.org.au/HBV/more-about/hepatitis-b-mapping-project

Graham S, Guy R, Akre S, Cowie BC, Ward J. Hepatitis B among Aboriginal and Torres Strait Islander People – Key Sub-groups. Proceedings of the Australasian Sexual Health Conference; 2011 Sep 26–30.

Davies J, Li SQ, Tong SY, Baird RW, Beaman M, Higgins G, et al. Establishing contemporary trends in hepatitis B sero-epidemiology in an Indigenous population. PLoS One. 2017 Sep 8;12(9):e0184082. Available from: http://dx.plos.org/10.1371/journal.pone.0184082

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A joint venture between The Univ



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Summary of our findings

- WHO Guildeording Centre for Wind Reparts VIDRL
- HBV is still an issue in the NT, with a higher yearly point prevalence than the national average
 - · Even in the universal infant vaccination cohort
 - Prevalence is being driven by 79.2% of participants not eligible for routine vaccinations
- HBV rates are higher in Indigenous Australians than non-Indigenous people
 - This gap is narrowing for children born after 1990
- · Vaccine-derived immunity is lower in Indigenous people over 28 years old
- · Immunity through past infection is higher in Indigenous people





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