PROJECT DETAILS

Project Title:

Generational Shifts in Chronic Disease: A Birth Cohort Analysis Using the WA Health and Wellbeing Survey

Project Summary:

This project will investigate long-term trends in chronic disease prevalence across generational cohorts in Western Australia using the Health and Wellbeing Surveillance System (HWSS). By applying age-period-cohort modelling and Bayesian techniques, the study will assess whether disease burden profiles have shifted across generations such as Gen Z, Millennials, and Gen X. The project will also explore geographical and socioeconomic gradients in chronic disease prevalence. Findings will inform targeted public health strategies, offering insight into evolving disease risk and prevention priorities across time and place.

Preferred Applicant Skillset:

The ideal applicant will have a background in epidemiology, biostatistics, or public health, with strong quantitative skills and experience using R or other statistical software. Familiarity with regression modelling and interest in longitudinal or repeated cross-sectional analysis is advantageous. Candidates should be motivated, able to work independently, and capable of interpreting statistical findings in a public health context.

Internship opportunity:

Yes. A potential internship with the Department of Health Epidemiology Directorate depending on candidate suitability

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