

Age, period, and cohort effect on the prevalence of chronic diseases in Northern Territory, Australia

WELLBEING AND PREVENTABLE CHRONIC DISEASES

PhD

An exciting PhD opportunity exists within a multidisciplinary team of researchers in the Renal Research Program at Menzies, Darwin.

Approximately half of the population of Australia have at least one chronic health condition, which disproportionately affects First Nations peoples. The Northern Territory has one of the highest burdens of chronic kidney disease and diabetes in Australia. About 60% of people over 50 years in NT live with at least two chronic conditions. This study will utilise a large cohort of patients within the Territory Kidney Care (TKC) system. This innovative clinical decision support tool contains linked electronic health records from six public hospitals, 56 government primary health care services and 11 Aboriginal community-controlled primary health services. It provides the largest database of comprehensive and consolidated primary and tertiary health information in the NT.

We are seeking an outstanding doctoral candidate with a strong interest in biostatistical modelling. The project aims to model the effect of age, period and cohort on the prevalence of chronic diseases in Northern Territory, Australia. In addition, the student will have the opportunity to contribute significantly to a wider TKC project.

The successful applicant will be eligible to undertake a Doctor of Philosophy based in Darwin and work within the Renal Research Program under the guidance of A/Prof Oyelola Adegboye, a chartered biostatistician with extensive experience in public health, environmental epidemiology and spatial-temporal modelling. This will be in conjunction with a group of clinical experts specialising in renal disease at Menzies.

Eligibility Criteria and Scholarship Provisions

Eligibility: The successful applicant will meet the eligibility criteria for admission to a Doctor of Philosophy degree.

Scholarship Provisions: The candidate will be encouraged to seek scholarship funding through Charles Darwin University Research Training Program Scholarship Scheme.

Successful candidate who is a recipient of a primary scholarship such as RTP may be eligible for a Menzies top-up scholarship to the value of \$10,000 per annum for the duration of primary scholarship.

For more information on Primary Scholarships:

<https://www.cdu.edu.au/research-and-innovation/higher-degree-research/scholarships>

Prospective students are encouraged to apply for other prestigious postgraduate scholarships

Application Process:

Applicants should submit the following:

- Brief summary of why they want to complete the project
- Current CV
- Copies of certified academic transcripts

Applicants who identify as Aboriginal and/or Torres Strait Islander are strongly encouraged to apply.

All applications should be submitted to A/Prof Oyelola Adegboye (oyelola.adegboye@menzies.edu.au)