



# PhD Project Opportunity



# Using Big Data to understand life course trajectories for young Territorians

CENTRE FOR CHILD DEVELOPMENT AND EDUCATION

PhD

The Population Health and Wellbeing program at the Centre for Child Development and Education undertakes large scale population studies, using statistical and epidemiological methods, to describe the impact of multiple factors on the life course trajectories of children and young people. Central to the research program is a data repository with linked records for the same individual across many domains that include health, education child protection and justice. The current repository contains de-identified information for more than 370,000 individuals across 24 datasets. The repository allows analysis of the influences on life-course development from before birth to young adulthood, with the opportunity for the inclusion of intergenerational, family and community influences. The research program has strong links to policy makers and service providers and has an emphasis on research to inform practice.

The repository provides the opportunity for PhD studies across a wide range of topics which include but are not limited to the following areas:

- Optimising education outcomes
- Understanding juvenile offending and recidivism
- Assessing the effectiveness of interventions in health, education, child protection and youth justice
- Predictive modelling for multiple outcomes
- Mapping development pathways from birth to adulthood
- Assessing the impact of alcohol and family violence on child development

**Prof Steve Guthridge**

steve.guthridge@menzies.edu.au

## Eligibility Criteria and Scholarship Provisions

**Eligibility:** The successful applicant will meet the eligibility criteria for admission to a Master by Research or Doctor of Philosophy degree at Charles Darwin University.

### Scholarship Provisions:

Candidates will be encouraged to seek Research Training Program (RTP) scholarship funding through Charles Darwin University. Further information about RTP scholarship application process, eligibility criteria and key dates can be found on this [CDU webpage](#)

A successful candidate who is a recipient of a primary scholarship such as RTP will be eligible to apply for a Menzies top-up scholarship to the value of \$10,000 per annum for up to 3.5 years. Successful candidates will receive \$3,500 per annum for up to 3.5 years to cover direct costs of the research.

### Application Process

Applicants should submit the following:

- Brief summary of why they want to complete the project
- Current CV
- Copies of certified academic transcripts
- Proof of Residency (not required for Australian citizens)

All applications should be submitted to Prof Steve Guthridge [steve.guthridge@menzeis.edu.au](mailto:steve.guthridge@menzeis.edu.au) by 30<sup>th</sup> September 2021.