



Curtin University



Faculty of Health Sciences

2020 Australian Government Research Training Program Scholarships
Strategic Project Profile

PROJECT TITLE: Statistical models to predict birth outcomes, mortality and hospitalisation in the first 3 years of life

FIELD OF RESEARCH CODE: 1117

PROJECT SYNOPSIS: This exciting, fully-funded PhD provides an opportunity for a motivated student to contribute to the improved survival and health of babies and young children. Access to large health registries enables a realistic opportunity for precision medicine. In this application, risk can be identified before the child is born. Pregnant mothers can be classified into high and low-risk groups based on risk factors identified from their previous pregnancy outcomes, chronic conditions, hospitalisations, sociodemographic and potentially any contact with the health care system. The ability to identify risk before birth allows interventions that have been already established as effective to be applied much earlier, and thereby lead to improved survival and health of children in the neonatal and early childhood period. The successful PhD student is expected to be interested in, and competent with, standard statistical regression methods and statistical software such as R.

WHAT MINIMAL ATTRIBUTES AND SKILLS EXPECTED BY THE CANDIDATE BE COMPETITIVE:

The student will require a first class honours degree, upper second class honours degree, master degree by research, or a master degree by coursework with a research project. The student will need to have received training on statistical regression methods and have an interest in application of these methods to health science.

Students are advised to contact the Project Lead listed below prior to submission of their scholarship application to discuss their suitability to be involved in this strategic project.

PROJECT LEAD CONTACT

NAME: Associate Professor Gavin Pereira, Faculty of Health Sciences

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CO-SUPERVISOR

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