**UQ Summer Research Project Description**

Please use this template to create a description of each research project, eligibility requirements and expected deliverables. Project details can then be uploaded to each faculty, school, institute, and centre webpage prior to the launch of the program.

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| **Project title:** | **Interventions for addressing preterm birth among global Indigenous populations: a systematic review and meta-analysis** |
| **Hours of engagement & delivery mode** | 36 hours per week from 13 Jan to 21 Feb 2025, with an opportunity for hybrid engagement (on-site at Poche Centre for Indigenous Health and remotely). |
| **Description:** | Preterm birth represents a significant global public health challenge, predominantly among Indigenous populations. Despite numerous interventions aimed at addressing preterm birth, the burden remains substantially high among Indigenous populations worldwide, transcending geographic and economic boundaries.  To effectively mitigate the burden of preterm birth, it is crucial to identify context-specific interventions, assess their success and limitations, recognize existing gaps, and explore scalable, low-cost solutions that can be integrated into public health programs. This study aims to investigate potential low-cost interventions for effectively addressing preterm birth among global Indigenous populations, with a focus on their applicability across various contexts, geographies, and economic conditions.  The project will involve a systematic review of public health interventions, examining their impact on reducing preterm birth among Indigenous populations. The primary responsibilities of the student will include systematically searching the literature using multiple databases and search engines, extracting and analysing data, and contributing to the development of a draft manuscript. The findings of this study are intended for publication, with the student being credited as an author. |
| **Expected learning outcomes and deliverables:** | This summer program is expected to help student gain knowledge about the scientific process of conducting a systematic review study, enhance knowledge of the topic, develop ideas on the design, development, implementation and impact evaluation of public health interventions, increase knowledge in research design, improve skills in data extraction and analysis, and the process of generating scientific evidence. They will also contribute to a publication. |
| **Suitable for:** | This position is suitable for a 3rd year or later student or a postgraduate student, with background in health-related fields. Preferably a Master of Public Health or Epidemiology student or students considering a PhD in the field of maternal and child health.  Student with enthusiasm, dedication and attention to detail skills with a basic understanding of scientific research design, systematic review process including extraction, analysis and interpretation of data would be advantageous. |
| **Primary Supervisor:** | Dr Md. Mehedi Hasan  [md.hasan@uq.edu.au](mailto:md.hasan@uq.edu.au%20%20%20)  Poche Centre for Indigenous Health, UQ |
| **Further info:** | The primary supervisor CAN be contacted by students prior to submission of an application. |