**UQ Winter 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:** | **Building a REDCap Database for Managing Clinic Engagement and Project Compliance** |
| **Hours of engagement & delivery mode** | This project will require a minimum of 25 hours per week on-site |
| **Description:** | The ATLAS Indigenous Primary Care Surveillance and Research Network was established to better explain the longstanding disparity in sexually transmissible infections (STIs) and blood-borne viruses (BBVs) among Aboriginal and Torres Strait Islander peoples. ATLAS extracts and analyses de-identified clinical data to monitor STIs and BBVs from around 90 Aboriginal and Islander Community Controlled Health Services nationally and is required to provide both service-specific six-monthly reports shared via email and ongoing access to an interactive dashboard for each clinic to view and use its own data.This project involves the development of a relational database using RedCap that is designed to store and query the relevant details required to maintain engagement with each clinic involved in the ATLAS network and compliance with ethics and governance. This includes contacts for each clinic, the status of each clinic’s agreements, ethics approvals, data extractions, report delivery and activity logs. A database schema and queries required for workflow will already be defined; hence the student will be expected to build the database using these specs and the formats of existing datasets. |
| **Expected learning outcomes and deliverables:** | A functional REDCap database that includes clinic contact information linked to other operational information to help ATLAS track the status of related tasks and log communication to help manage workflow. It should include a status dashboard or pre-set queries and a user guide. During this project, the student will gain hands-on experience with REDCap, including form creation, relational structures, and reporting, and understand database design principles for managing clinical research operations; develop skills in translating operational needs into a functional system; apply problem-solving to streamline data collection and tracking; and enhance documentation and training abilities by producing user guides and presenting their work. |
| **Suitable for:** | This project would suit a final-year undergraduate or Masters health informatics, biomedical science, or public health student with intermediate database experience or an information systems, data science or computer science student with an interest in health |
| **Primary Supervisor:** | Carol El-Hayek |
| **Further info:** | Please contact Carol El-Hayek, ATLAS manager c.elhayek@uq.edu.auCan be contacted by students prior to submitting an application |