Project title:	Understanding Dengue Prevention and Control Programs in the Mekong Delta
Hours of engagement & delivery mode	28 hours per week In person, Herston Campus, Public Health Building 887
Description:	This summer research project aims to provide students with the opportunity to explore dengue prevention and control (DPC) programs through the analysis of existing data. The Mekong Delta, Vietnam, is a region with unique cultural and environmental characteristics that facilitate the spread of vector-borne diseases. Dengue fever, in particular, imposes a substantial health and economic burden on the local population. Over six weeks, the scholar will examine dengue prevention and control programs using datasets provided by the supervisor. Students will also engage in independent literature searches, learn how to develop a data codebook, perform data entry and cleaning, and conduct basic data analysis to support the project's objectives.
Expected learning outcomes and deliverables:	By participating in this project, the scholar is expected to gain hands-on experience with the research process and develop a set of transferable skills, including: 1. Conducting a literature review: Developing basic skills in reviewing scientific literature, identifying credible sources, and synthesising information to build a research foundation (Week 1) 2. Working with datasets: Learning to interpret existing datasets, construct a codebook, and perform data cleaning to ensure reliability and quality. (Week 2 and 3) 3. Data analysis: Depending on the student's statistical background, analyses may range from basic descriptive statistics to more advanced methods. The scholar will generate tables and figures to present findings. (Week 4) *4.* 4. Reporting and dissemination: Developing basic skills in writing a short research report and abstract so that the scholar may submit a presentation to an early-career researcher conference. (Week 5 and 6)
Suitable for:	This project is open to students with backgrounds in Public Health, Health Sciences, Epidemiology, Environmental Health, or Infectious Diseases. Students with stronger quantitative or statistical skills may be able to undertake more advanced levels of data analysis.
Primary Supervisor:	Dr Hong Le hong.le@uq.edu.au 0450 321 714
Further info:	The supervisor CAN be contacted by students prior to submission of an application E-DENGUE: A user-friendly digital prediction tool for dengue prevention - School of Public Health - University of Queensland