School of Public Health PhD Student Project

TITLE: **Enhancing the use of routinely collected infectious disease surveillance data for public health action**

FIELD OF RESEARCH: **Public Health, Digital Epidemiology, Infectious Diseases**

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LINK TO UQ RESEARCHERS PAGE: Dr Amalie Dyda - UQ Researchers

PREREQUISITE SKILLS REQUIRED FOR THE PROJECT: **Some basic understanding of infectious disease epidemiology would be desirable.**

PROJECT SYNOPSIS: The COVID-19 pandemic has highlighted the economic, social, and health costs of infectious diseases. Surveillance is a key public health measure to enable early detection and inform public health action. In Australia, surveillance data for infectious diseases are collected primarily via the National Notifiable Disease Surveillance System (NNDSS). Currently, these data are provided via the NNDSS website, which has limited functionality. In response to the COVID-19 pandemic many interactive dashboards have been developed, similar dashboards could be developed for other diseases. This project aims to improve infectious disease surveillance by using novel data analytics and tools to provide timely and accessible data on epidemiological patterns. This may include developing an interactive dashboard for notifiable diseases in Australia, or linking novel datasets such as social media data with notifiable diseases data to assess the feasibility of use for surveillance.

If you are interested in this project, please email the named contact person as listed above