

# PHD SCHOLARSHIP OPPORTUNITIES: TRANSFORMING SEPSIS CARE AT WESTERN SYDNEY UNIVERSITY

WESTERN SYDNEY  
UNIVERSITY



**THE CRITICAL  
“GOLDEN HOUR”:**  
TIME-SENSITIVE  
TREATMENT SAVES LIVES

## PROJECT 1: HEALTH EQUITY & CULTURAL SAFETY



### CLOSING THE GAP IN SEPSIS OUTCOMES

Aboriginal and Torres Strait Islander Australians experience some of the **highest sepsis incidence rates globally**, often presenting with higher levels of acute physiological derangement.

#### CULTURALLY SAFE CLINICAL STANDARDS

This project uses mixed-method research to identify cultural and systemic factors that delay care, aiming to dismantle healthcare inequities in Emergency Departments.

#### FOCUS ON GREATER WESTERN SYDNEY

The candidate will establish what helps and hinders timely sepsis management specifically within the Greater Western Sydney Local Health District.

## PROJECT 2: HEALTH SYSTEMS & DIGITAL HEALTH



### Hospital Systems Impact

Sepsis accounts for **9%** of ICU presentations; this project addresses how systemic bottlenecks and overcrowding disrupt time-sensitive treatment during the first hour of care.

#### DIGITAL & DATA-DRIVEN INTERVENTIONS

Research may include analysing ambulance diversions, the efficacy of automated digital health alerts, or the impact of workforce burnout on patient safety.

#### ADVANCED ANALYTICS TRAINING

Candidates will develop skills in health services research and data analytics, benefiting from a multidisciplinary environment involving NSW Local Health Districts.

## ELIGIBILITY & APPLICATION



#### ACADEMIC REQUIREMENTS

Applicants must hold a Bachelor (Honours Class 1 or 2), a Master of Research, a Master of Philosophy, or an equivalent tertiary degree.



#### PROFESSIONAL BACKGROUNDS

Candidates from healthcare, digital health, data science, or biostatistics are highly encouraged to apply for these research opportunities.

## EXPRESSIONS OF INTEREST

Contact Dr. Gladis Kabil at [G.Kabil@westernsydney.edu.au](mailto:G.Kabil@westernsydney.edu.au) to discuss the project and the application process.