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## **Developing an infection prevention and control intervention to reduce the incidence of hospital-acquired infection in Cambodia and Lao PDR**

### **Faculty:**

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### **Project Description:**

This study aims to develop, pilot, and assess the feasibility and acceptability of an infection prevention and control intervention to reduce hospital-acquired infections in two low- and middle-income countries in Southeast Asia, Cambodia and the Lao People's Democratic Republic (PDR). We will develop an infection prevention and control intervention involving a series of formative studies guided by the Medical Research Council. Three hospitals from each country will be purposefully selected – each representing district, provincial, and national health facilities. Firstly, we will conduct a gap analysis of infection prevention and control implementation and practices among healthcare workers at each selected hospital through desk review, direct observation of hand hygiene and low-level disinfection of equipment practices, in-depth interviews (IDIs) with healthcare workers, and key informant interviews (KIIs) with relevant stakeholders. Secondly, we will develop the infection prevention and control intervention based on results from gap analysis and model interventions selected based on the literature review of infection prevention and control interventions to reduce hospital-acquired infection incidence in low- and middle-income countries. Finally, we will pilot and assess the feasibility and acceptability of the developed infection prevention and control intervention among healthcare workers and stakeholders at the selected hospitals.