



Neonatal Sepsis in Southeast

Asia and the Pacific

Prospective Surveillance: NeoSEAP-PS



THE UNIVERSITY OF SYDNEY

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¹Sydney School of Public Health University of Sydney
 Funded by National Health and Medical Research Council, Australia and the Bill and Melinda Gates Foundation



Participating Clinical Sites

- Vietnam:**
 - National Children's Hospital, Hanoi
 - Hung Vuong Hospital, Ho Chi Minh City
 - CHI, Ho Chi Minh City
 - OUCRU Vietnam, Ho Chi Minh City
- Indonesia:**
 - Cipto Hospital, Jakarta
 - Hasan Sidikin, Bandung
 - Soetomo General Hospital, Surabaya
 - Oucru Jakarta
- Malaysia:**
 - Sabah Women's and Children's Hospital
- Philippines:**
 - Makati Medical Centre
 - Philippine General Hospital
- Pakistan:**
 - Aga Khan University Hospital, Karachi
- Thailand:**
 - Chiang Mai University

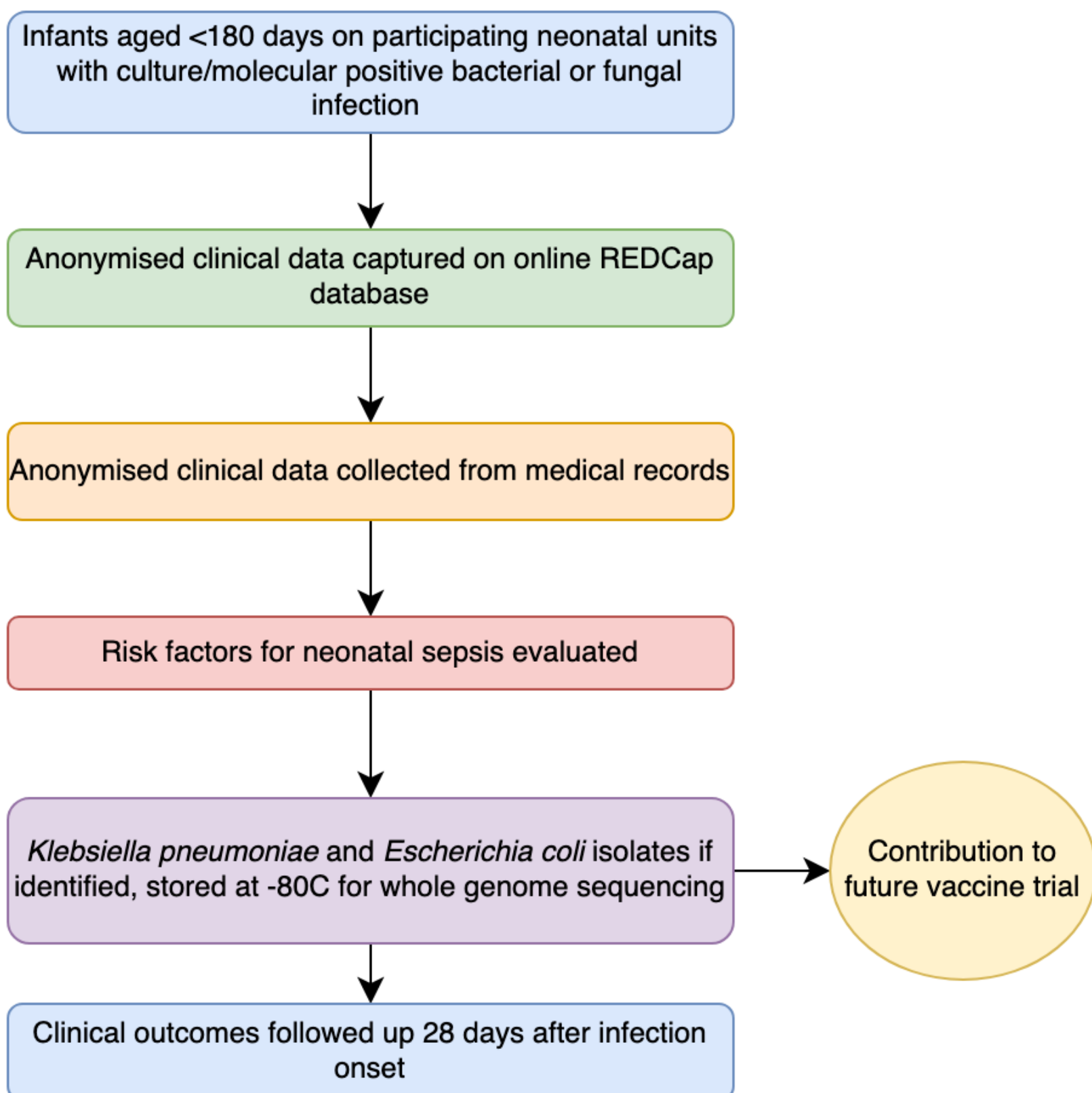
Primary Objective:

Determine and report the epidemiology of neonatal infection and link high-burden clinical settings to global collaborations

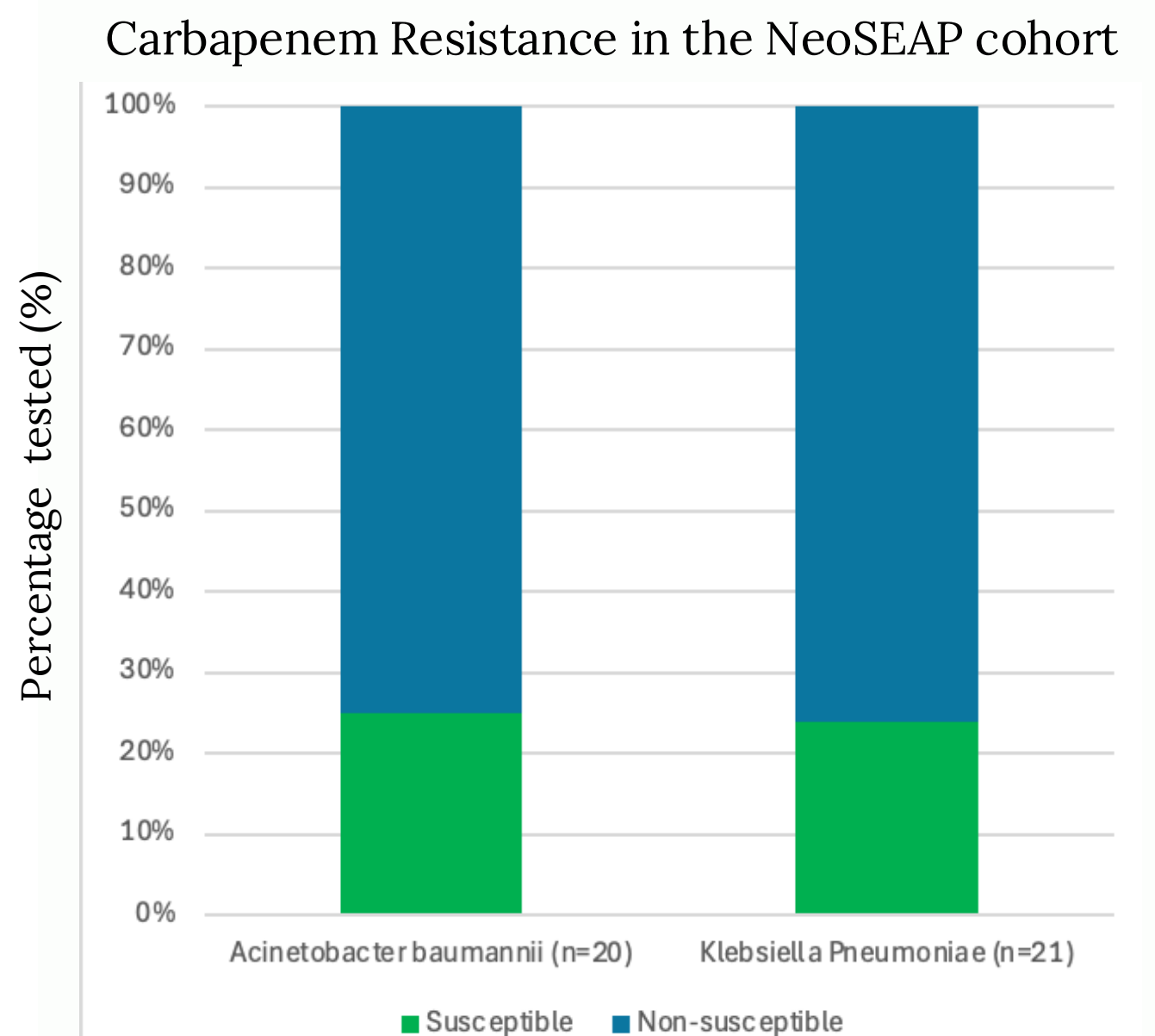
Study Outcomes:

- Report the incidence of significant bacterial and fungal infection in neonates
- Analyse and report the AST profiles of significant bacterial infections
- Determine mortality rate and 28day clinical outcomes in neonates with culture positive infections
- Analyse and report risk factors for neonatal sepsis with respect to sociodemographic and maternal risk factors

Project activities



Preliminary Findings



For More information or to register interest to be a clinical site, please contact
 NeoSEAP-Project@sydney.edu.au



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Regional Collaboration in the practice of Immediate Kangaroo Mother Care

Michelle Harrison^{1,2}, A/Professor Hoang Tran³, A/Professor Maria Esterlita Villaneuva-Uy⁴, Dr. Huynh Thi Le³ Dr. Erena Kasahara⁴, A/Professor Phoebe CM Williams^{1,2}

¹Sydney School of Public Health, University of Sydney, ²Sydney infectious Disease Institute, ³Da Nang Hospital for Women and Children, ⁴Philippine General Hospital



Da Nang Hospital for Women and Children are world leaders in immediate Kangaroo Mother Care for high-risk infants.

Immediate Kangaroo Mother Care for high-risk babies in Da Nang has reduced the burden of neonatal sepsis and led to a reduction in neonatal mortality



In a collaboration with the University of Sydney and the Philippine General Hospital and the team from Da Nang, we have created a network to share knowledge to increase immediate KMC for high-risk babies



We carried out workshops aimed at combining the knowledge of the long history of KMC in the Philippines, with the experience in implementing immediate KMC for high-risk babies in Vietnam

Project plans:

Monthly zoom workshops to discuss challenges to the implementation of immediate KMC for high-risk babies

Workshop planning and training project development supported by the knowledge gained in implementing widespread standard of care, immediate KMC for all babies

Qualitative analysis of barriers and facilitators to systematic uptake of immediate KMC at PGH

Before and after study reviewing the impact of increasing immediate KMC on hospital-acquired infections and antimicrobial resistance.



Dr. Erena Kasahara and Dr. Le sharing knowledge on KMC practices between Da Nang Hospital and PGH



Dr. Le leading a workshop on immediate Kangaroo Mother Care at the Philippine General Hospital



Dr. Le and A/Prof. Phoebe Williams on a joint visit to the Philippine General Hospital

