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MAU Expertise

Sociocultural factors related to health and illness:

- infectious disease transmission dynamics
- community perceptions
- their impact on the effectiveness of prevention, control, and elimination strategies



Priorities

- Human mobility
- Asymptomatic carriage
- Fine-scale transmission dynamics



Previous and ongoing malaria projects in SE Asia



Border malaria between Cambodia & Vietnam: an anthropological approach to improve control strategies (2008 – 2010)

In collaboration with CNM Cambodia and NIMPE, Vietnam

The human factors in malaria transmission at Cambodia-Vietnam border



Repellents as added control measure to LLINs in South East Asia: a step forwards to malaria elimination (2012-2014)

MalaResT – in collaboration with ITM Medical Entomology Unit (Prof. Marc Coosemans) and CNM Cambodia



Eco-epidemiology of asymptomatic malaria hotspots, a prerequisite for malaria elimination? (2016-2017)

MalaSpOT - In collaboration with ITM Medical Entomology Unit (Prof. Marc Coosemans) and CNM Cambodia



An integrated model for the active case detection and management of HIV and malaria: a pilot study (2015-2016)

Collaboration pilot between NCHADS, CNM (Cambodia) & ITM



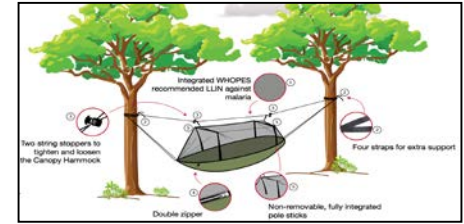
Community participation with targeted interventions for malaria elimination (2015-2018)

TRAC2 - In collaboration with the LSHTM (Dr. Shunmay Yeung) and CNM Cambodia



Effectiveness of insecticide-treated hammocks for controlling forest malaria in Central Vietnam (2004-2008)

In collaboration with NIMPE Vietnam



Targeting residual malaria transmission among the Ra-Glai ethnic minority in Vietnam using a transdisciplinary approach (2016 – 2020)

In collaboration with NIMPE Vietnam



Micro-epidemiology, human mobility and malaria elimination in Vietnam (2015-2016)

In collaboration with Biomedical Sciences ITM and NIMPE Vietnam

To characterize, analyze and compare the '**micro contexts**' of **malaria risk** in Quang Nam Province, Vietnam

To understand **fine-scale patterns of persisting malaria transmission** in the context of malaria elimination efforts.



A randomized controlled trial on malaria primaquine treatment in Timika, Indonesia (2017-2018)

In collaboration with Menzies Institute Australia (Prof. Ric Price)

To provide new insights in treatment adherence for more effective ways to deliver radical cure



Community and facility assessment to determine populations at risk of malaria and primaquine induced haemolysis (2018-2019)

ACROSS - In collaboration with Menzies Institute, Australia and APMEN partners Vietnam, Indonesia, China, Nepal, Bangladesh, India, Laos

- combining different patient sampling strategies to assess the extent of **malaria burden** in populations at risk of infection and the risk of severe side effects following malaria treatment
- identifying potential **barriers in implementing *p. vivax* control policies** at health system and community levels
- evaluating **novel diagnostics** to diagnose malaria and measure G6PD activity in the field





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