

WEBINAR Q&A**APMEN TECHTALKS #9**

Hosted by the APMEN Vector Control Working Group (VCWG)

“Non-biological threats to Insecticide Treated Nets (ITNs) Effectiveness”**22 September 2021, 14:00 PM Singapore Time****Panelists****Dr Khin Mon Mon**

Senior Technical Director, URC-Defeat Malaria, Myanmar

Dr Hannah Koenker

Technical Director, Tropical Health LLP, United States of America

Dr Angus Spiers

Director, Innovation to Impact (I2I), United Kingdom

Closing Commentary**Dr Prudence Hamade**

Senior Technical Advisor, Malaria Consortium

Moderator**Dr Htin Kyaw Thu**

Program Coordinator of APMEN VCWG, and Regional Representative (Asia Region) from Malaria Consortium

Questions:

Inriyani Takesan	How do you build trust in community that LLIN could kill mosquito?
Dr Khin Mon Mon	It is hard to demonstrate the knock down action of mosquito during hanging LLIN. But people experience death of bugs and head lice and they like the nets in such way.
Inriyani Takesan	okay so we need to demonstrate how it works at first. Thank you.

Dr Susanta Kumar Ghosh	What is the net coverage rate in different sector? And social response towards nets.
Dr Khin Mon Mon	For public Health interventions, not only in LLIN but also in MDA or others, coverage of 85-90% is justified.

Somphao Bounnaphol	LLINs utilization rate is 96% - what are the reasons for 4% for not utilize it?
Dr Khin Mon Mon	In public health, interventions for the whole community (Mass activities such as MDA, immunization and LLIN) coverage of 85% is justified for prevention and getting hard immunity effect.

Somphao Bounnaphol	Any color preference on nets by the communities?
Dr Khin Mon Mon	Most of the nets distributed here are white. People has less to chose the color. They accept blue colors too.

Philomena Peter Asaga	Great presentation, what are the key factors affecting poor perception especially among male population?
Dr Khin Mon Mon	1.the culture of setting up bed nets is used to be done by women and men don't bother about it. Most of MMPs/FGs used to drink at night and they think, alcohol make boosting their immunity.

Rinzin Namgay	Have you ever assessed dirty nets with soots and dirt as communities in villages never wash their nets? Accumulation of dirt and soots from fire and smoke can block effectiveness of insecticide incorporated.
Dr Khin Mon Mon	Yes, we have seen in some very remote areas, but most of the housewives here have habit of washing frequently.

Cyril Ademu	What are the other ways universal LLIN coverage can be sustained since mass campaign and routine distribution alone cannot?
Dr Khin Mon Mon	If we know the receptivity and vulnerability of the area and people (ie; stratification/ type of foci) we can target exact area and at risk population groups.

Odongo Musa	Isn't having a high supply of non-treated nets a threat to utilization of the more effective LLIN? Given the low costs of non-treated nets, if it is popularized in low-income countries, can't it have an effect on LLIN in the long run.

Indra Vythilingam	What happens when mosquitoes change their habits and start to bite early and outdoors as is happening in Southeast Asia
Dr Khin Mon Mon	If that is happened, transmission can be happened by biting of those mosquitoes, people who go to bed late may not get effect of LLIN.
Elton Rogozi	Mosquito species do not change their feeding behavior or their biting activity time, as it may be shifted with another biting time of another

	<p>mosquito species using the same ecological niche. Each mosquito species has its own biting activity cycle and feeding behavior. Aedes mosquitoes would bite outdoors, some of them, but they do not shift to overlap their biting time behavior as it may interfere with other mosquito species biting activity, like Culex sp and Anopheles sp, Armigeres or Mansonia.</p>
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Jane Miller	Great presentation Angus. How does RD score relate to denier?
Dr Angus Spiers	Denier would be a component of RD, but not overly important on it's own. A net's durability is a composite of various factors, e.g. denier, weave, multi/mono-filaments etc. etc. Each brand of net performs differently in the tests NIRI suggests, which is why the RD was proposed.

Sovannaroeth Siv	There is different pre-qualify LLINs in the market which is different quality. However, Country has no choice for this due to Funder's policy.
	This question was discussed live.
Sovannaroeth Siv	Country may relax to measure the quality of LLINs due to no choice by our own

Indra Vythilingam	I am sorry there is a definite shift to the vectors in Southeast Asia biting early and outdoors compared to many years ago.

Anonymous	What is recommended for old nets when households receive new ones?

Claire Dorion	has there been any studies on durability based on vulnerability and living conditions? I'm thinking of refugee camps for example where risks linked to their environment and available sleeping place is increased or mobile populations (nomads)
Dr Angus Spiers	I'm not aware of anything specific to these settings. Maybe Mike Mcdonald has some info as he's been looking at vector control in emergencies.

Sovannaroeth Siv	What is the current effective vector control strategy for forest goers? Distribution net ratio 1:1 also consider to cover the forest goers as well



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