RBM Partnership
To End Malaria

10 March 2022

We are almost there. The session will start soon.

Instructions before we start:

Interpretation:
You can choose the interpretation buttor.,
if you would like to follow the meeting in French.

Asking Questions:
Option 1: Write in the chat with the word «Question» in front
Option 2: Raise your hand and the host gives you rights to unmute

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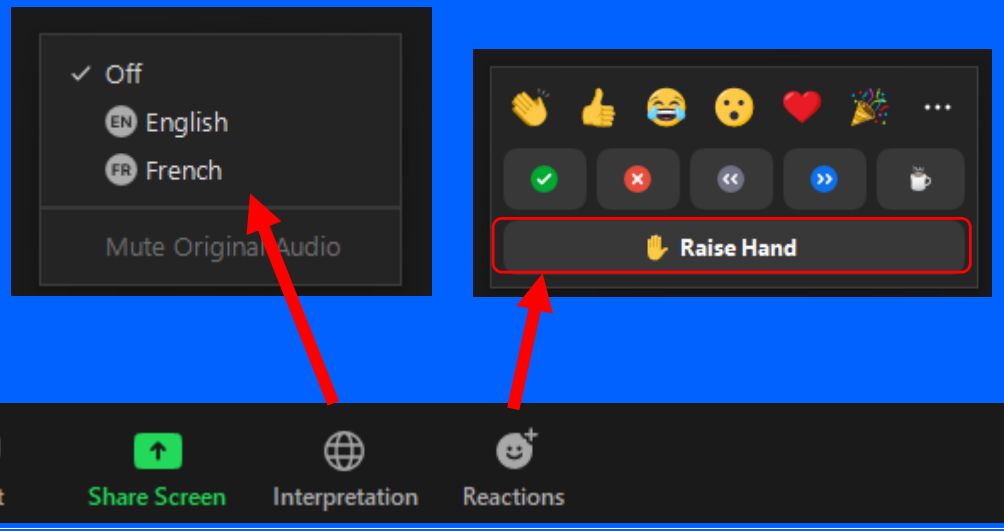
Instructions avant de commencer :

Interprétation :
Vous pouvez choisir le bouton d'interprétation,
si vous souhaitez suivre la réunion en français.

Poser des questions :
Option 1 : Ecrivez dans le chat avec le mot "Question" devant.
Option 2 : Levez la main et l'hôte vous donne le droit de couper le son.



RBM Partnership To End Malaria

Vector Control Working Group

10 March 2022

Welcome to the 17th Annual Meeting Vector Control Working Group

Session 2
Charting the course for the VCWG work streams

Today is the second of five virtual sessions

Session 1. (March 3rd). Updates from the vector control community

Session 2. (today) Charting the course for the Workstreams

Session 3. (May 3rd) Workstream 1: Enhancing the Impact of Core Interventions

Session 4. (May 4th) Workstream 2: Expanding the Vector Control Toolbox

Session 5. (May 5th) Workstream 3: Implementing the Global Vector Control Response

We are organised around 3 workstreams; each with three themes of output. Task teams then work on relevant topics under each of these themes relevant to the workstream in question.

WS 1: Enhancing the Impact of Core Interventions

WS 2: Expanding the Vector Control Toolbox

WS 3: Implementing the Global Vector Control Response

1. Identify gaps, capacity needs and research priorities
2. Policy clarification and evaluation pathways
3. Operational scale up and support

Creation of Task Teams to tackle workplan elements

Task teams identified to work on specific Workplan Topics; Task teams members may be selected from volunteers or from members of VCWG Network who are known to work on a topic

Principles for selection of Task Team Membership:
For working efficiency the Task Teams need to be limited in size; in order to ensure transparency and fairness in selection of participants for those who have volunteered; we share here the priority of criteria (and other considerations) which have guided that selection:

1. Task Team Volunteer has indicated that she/he is currently funded to work on the topic
2. Task Team Volunteer has indicated that she/he has specific experience to the topic
3. Availability to contribute
4. Desire to ensure that a diversity of representation is maintained (eg. based on relevant geography, organization type, gender balance)

The scope of the Task Team will evolve over time and therefore there will be other opportunities in the future for VCWG members to be involved as other Task Teams are identified, relevant to the workplans of the Work Streams.

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10 March 2022

Enhancing the Impact of Core Interventions

Allan Were: Allan_Were@abtassoc.com
Mary Kante: mkante@eauclaireconsulting.co
Christen Fornadel: Christen.Fornadel@ivcc.com

Agenda: Breakout Group, Workstream One

Enhancing the Impact of Core Interventions

Time	Session	Facilitator	Speakers
15:40-15:45	Welcome participants, Session Overview	Allan	
15:45-16:00	Vision for Workstream one: Enhancing the Impact of Core Interventions	Mary	
16:00-16:25	Workstream one workplan and task team planning: Identifying and prioritizing action items to achieve the vision	Mary and Allan	**Ellie Sherrard-Smith, Thomas Churcher,** Imperial College London **Edward Thomsen,** I2I
16:25-17:00	Team 2: Special focus session : *Addressing biological threats: new insecticides for vector control* - Results of the Tanzania cluster-randomized trial evaluating new generation ITNs - Related evidence from the New Nets Project field pilots.	Christen Fornadel	**Dr Jacklin F. Mosha**, National Institute for Medical Research, Mwanza **Dr Nancy Matowo**, LSHTM **Dr Joseph Wagman**, PATH

Effectiveness of three types of dual active ingredient treated nets in Tanzania: a four-arm, cluster-randomised trial

Jacklin F. Mosha & Nancy S. Matowo for VCWG: 10th March 2022

Description of product / design

Reference arm

1. Pyrethroid only LN Interceptor ® (BASF): alpha-cypermethrin:

→ *fast mosquitoes knock down and killing effect*

Intervention arms

2. Interceptor ® G2 (BASF) PY & chlorfenapyr:

→ *Slow killing effect*

3. Olyset™ plus (Sumitomo Chemical) Py and PBO:

→ *Synergist enhanced Knock down & killing effect*

4. Royal Guard® (Disease Control Technologies) PY & pyriproxyfen:

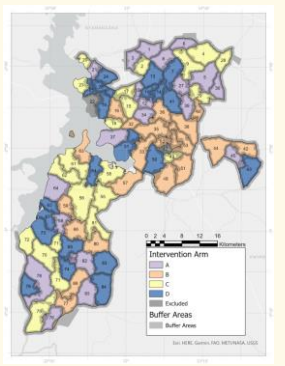
→ *Sterilisation effect*

Study design

- Four-arm, cluster-randomised trial: 21 clusters / arm

Study area

Misungwi district, Mwanza region, Tanzania



- Prevalence in primary school children = 46.3% (NMCP-2017)
- Pyrethroid resistance Mortality < 60%

Outcomes

- Malaria infection prevalence and Malaria case incidence over 2 years
- Vector density and Entomological inoculation rate over 2 years

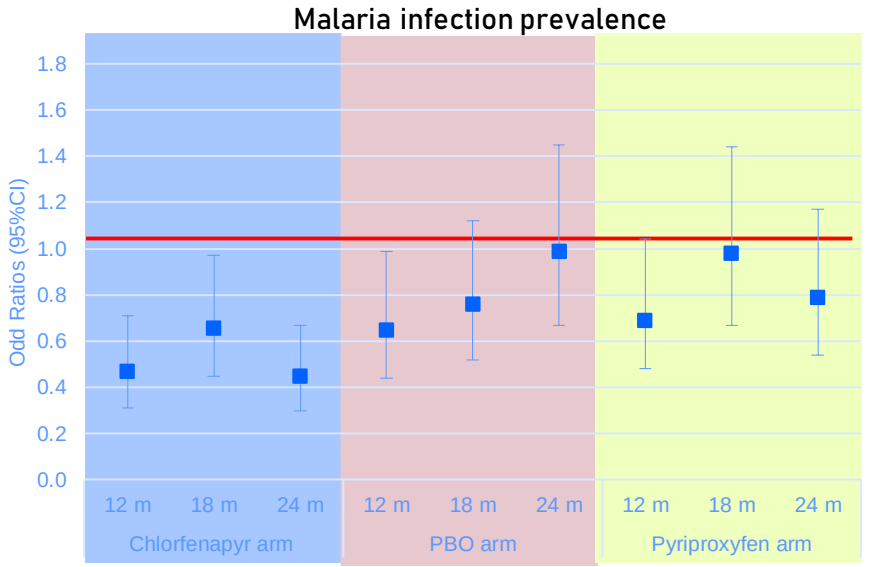
Highlights

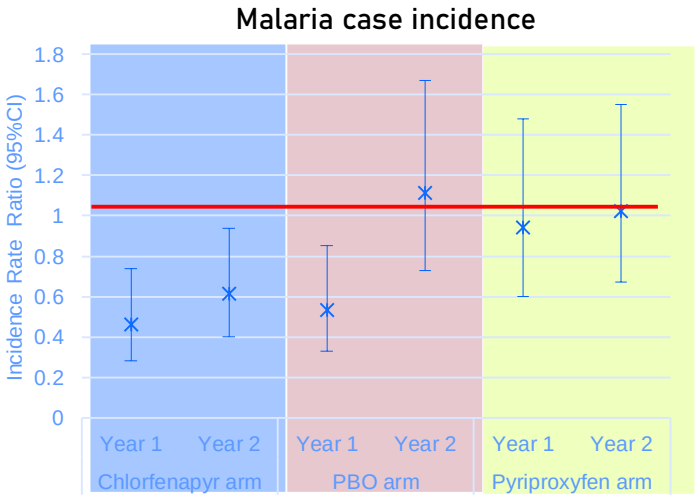
In an area of moderate to high malaria transmission and insecticide resistance

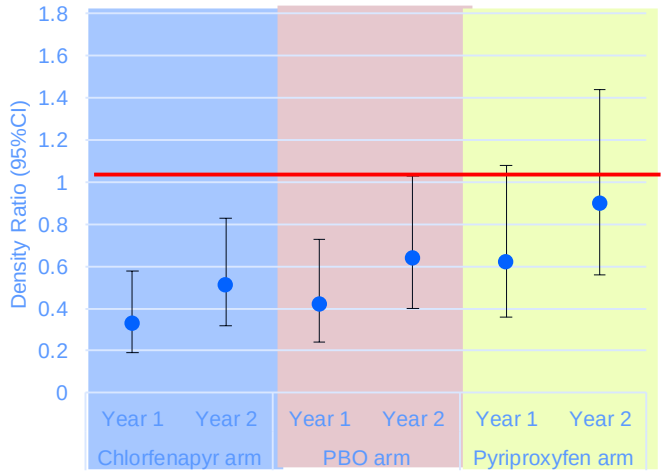
The chlorfenapyr-pyrethroid treated net (Interceptor G2), is more effective than standard pyrethroid-only LLINs over 2 years of use.

The trial confirmed the superior effectiveness of PBO-pyrethroid nets (Olyset plus) compared with standard pyrethroid LLINs, but over a limited period of 12 months.

Pyrethroid treated nets with pyriproxyfen (Royal Guard), did not provide significant additional protection against malaria compared with standard pyrethroid-only LLIN.







Acknowledgements

This presentation includes data from:

- Eliud Lukole (epi and textile durability)
- Jacklyn Martin (Textile durability and bio-efficacy)
- Manisha Kulkarni (Ecological niche model)
- Charles Thickstun (Map and cluster delineation)

Collaborators

- Tanzania National Malaria control Programme
- RMO Mwanza, DMO Misungwi, Malaria Focal Person, DC Misungwi, DED and CHMT representatives
- Community in Misungwi
- Field techinicans

Funding

- DFID/MRC UK/NIHR/Wellcome: Joint Global Health trial (Main RCT: 2 years)
- B&MGF (Entomo Bio-efficacy and hut trial) through IVCC
- PMI/USAID (SBCC for net distribution)

The enduring importance of bed nets for the control of malaria: Longitudinal perspectives and trial results for the next generation of nets

Weds 30 March
11:00-12:30 (UK, BST), 13:00-14:30 (EAT)

Speakers:

- Prof Joanna Schellenberg
- Dr Jacklin Mosha
- Dr Nancy Matowo

LONDON SCHOOL of HYGIENE &TROPICAL MEDICINE

Malaria centre

RBM Partnership
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10 March 2022

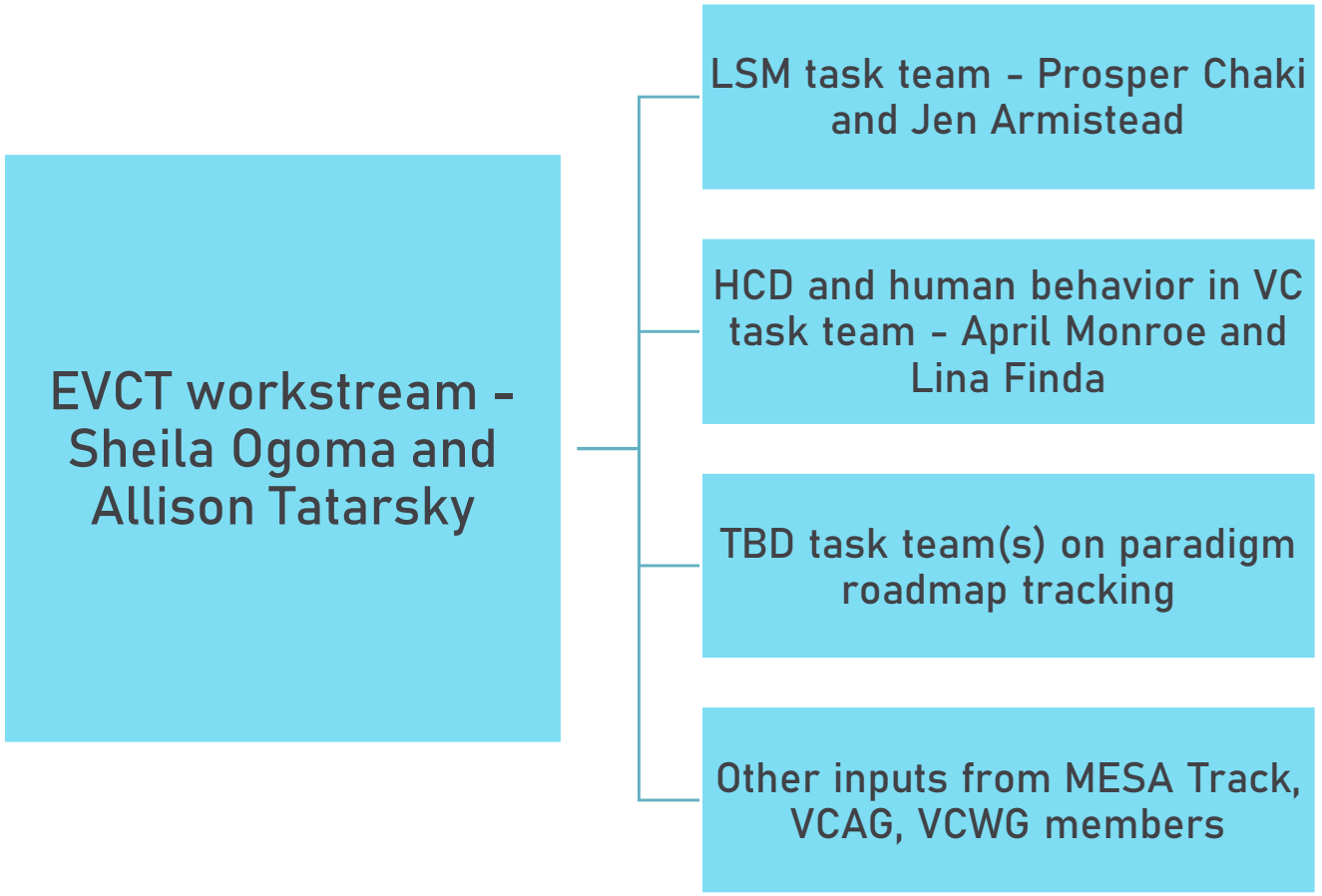
Expanding the Vector Control Toolbox workstream update

Allison Tatarsky
Sheila Ogoma

Contents

1. Workstream structure
2. Workstream workplan and priorities
3. Future plans and activities
4. Call for new workstream co-lead

EVCT workstream structure



	Focus Output 1 Identify tool gaps or capacity needs & steer research priorities	Focus Output 2 Policy clarification & evaluation pathways	Focus Output 3 Implementation/Operational scale-up support/Training and capacity building initiatives
Workstream 2: **Expanding the Vector Control Toolbox** Themes: ➢ Larval Source Management ➢ Innovations in vector control and surveillance ➢ Human behavior and human centred design in the context of vector control	▪ Review technology for LSM e.g., GIS, satellite imagery, use of drones, new application technology, etc. ▪ Develop and maintain an inventory of new vector control tools and approaches including repellents, endectocides, ATSBs, SIT, genetic control, etc.	▪ Gather evidence for environmental management including habitat modification and manipulation as priority interventions in LSM and promote within the MSWG ▪ Develop framework for, and actively track and share, updates on new vector control paradigm roadmaps ▪ Share VCAG updates on new paradigms as part of paradigm roadmap tracking	▪ Review operational LSM in national malaria programmes and collate evidence of impact, as well as training and technical support needs ▪ Elevate national malaria program operational research questions for vector control beyond LLINs and IRS ▪ Highlight innovation and opportunities to incorporate anthropological methods and human centred design into the development, evaluation, and scale up of vector control tools

Activities in 2021 and early 2022

1. Launched task team on human behavior and human centered design in vector control	• Workplan and priorities to be presented during breakout • Learning, exchange, and documentation of best practices
2. Launched task team on larval source management (LSM)	• Workplan and priorities to be presented during breakout • Incorporating priorities around larviciding technology, environmental management, and NMCP operational learnings
3. Tracked and cross-fertilizing PMI Insights for Malaria landscaping of vector control operational research priorities, including from NMCPs	• Will be presented during Workstream 1 given focus on ITN and IRS OR questions • One priority OR topic on effectiveness and cost-effectiveness of LSM • Other OR topics on effective intervention combinations broadly and across borders
4. Launching a survey to VCWG members about access to information on vector control tools and whether a global inventory is useful	• Truncated poll during breakout session • Survey sent from Konstantina to membership for inputs • Data will guide next steps around a vector control tool inventory
5. Paradigm roadmap and “closing the gap” discussion in breakout and further updates planned for May 4 session	• Tracking research and development on new paradigms and tools including ATSB, spatial repellents, housing modifications, endectocides, etc. • Discussion during breakout re: need for paradigm task teams

Upcoming plans and activities

Mark your calendars!

1. Human centered design and malaria virtual workshop March 29, April 5, April 12
2. EVCT virtual workstream session May 4
3. Future task team virtual meetings TBD
4. Joint VCWG EVCT – IVCC ASTMH symposium proposal submission

Call for new workstream co-lead with Sheila

1. Voluntary position
2. Term of 2 years with extension of another 2 years (maximum of 4 years)
3. Expert on the relevant topic (vector control toolbox)
4. Geographical diversity (endemic country nominations are highly encouraged)
5. Gender balance
6. Motivation letter
7. Please submit your interest to Sheila and Konstantina via email

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Implementing the Global Vector Control Response

Mark Hoppe
Chadwick Sikaala

Agenda

- Discussion:
  - Optimum ways of working to set up, run and support the task teams

Agenda

- IVM:
  - Identification of wider activities being conducted under IVM. What gaps exists? Identification of areas where TT can support implementation

Agenda

- Capacity and collaboration assessment review:
  - To gain a better understanding of the VC capacity and collaboration landscape, specifically around training and education opportunities
  - The need to increase the capacity to use molecular tools/techniques in VC research and application

Agenda

- *Anopheles stephensi* response:
  - Define scope and objectives of the *An. stephensi* TT, based on output from recent VCWG *An. stephensi* meetings

Agenda

- Plans for May 4th meeting
- Topics for presentations

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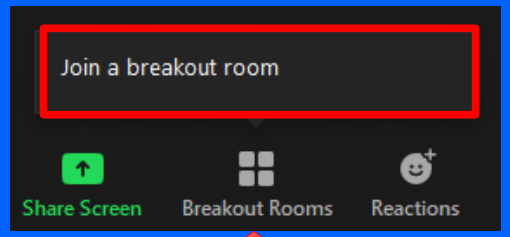
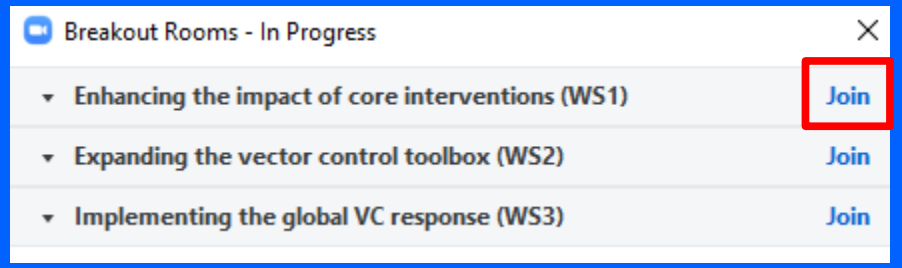
Transition to parallel sessions

1



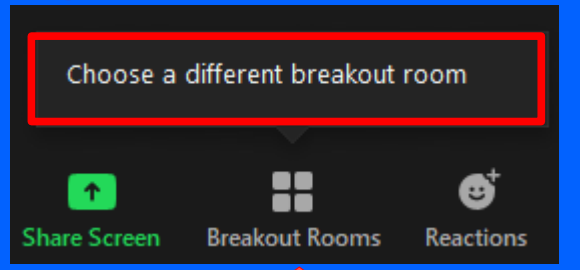
A message
«Join break out room» will appear
on the bottom of your screen

2



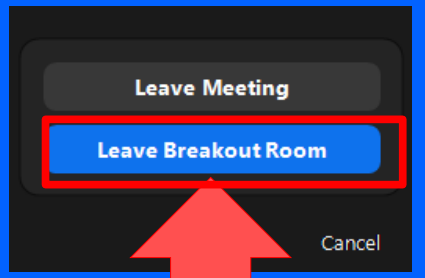
Choose the session you would like to join, by clicking on «join»

3



You can change between rooms

4



Leave break out room,
NOT LEAVE MEETING!!!

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Vector Control Working Group

10 March 2022

Feedback from the discussions at the break-out group 1

Allan Were: Allan_Were@abtassoc.com
Mary Kante: mkante@eauclaireconsulting.co
Christen Fornadel: Christen.Fornadel@ivcc.com

RBM Partnership To End Malaria

Vector Control Working Group

10 March 2022

Feedback from the discussions at the break-out group 2

Allison Tatarsky
Sheila Ogoma

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Vector Control Working Group

10 March 2022

Feedback from the discussions at the break-out group 3

Mark Hoppé
Chadwick Sikaala

Agenda

- Discussion:
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General Discussion and Wrap up – End of session 2

Corine Ngufor
Justin McBeath

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The VCWG virtual sessions are hosted by Swiss TPH. The financial support was provided by the Swiss Agency for Development and Cooperation (GlobMal project).

Swiss TPH
Swiss Tropical and Public Health Institute

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development and Cooperation SDC

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For VCWG https://endmalaria.org/our-work-working-groups/vector-control
For Virtual Attendee Hub: https://eur.cvent.me/P3evm

10 March 2022

Thank you for attending!

Coming soon

Session 3, May 3rd - Work stream 1: Enhancing the impact of core interventions
Session 4, May 4th - Work stream 2: Expanding the vector control toolbox
Session 5, May 5th - Work stream 3: Implementing the Global Vector Control Response

03:00 PM - 06:00 PM CET