



Partnership
To End Malaria

New Tools, New Challenges in Vector Control

RBM VCWG Meeting
30 January – 1 February, 2019

Workstream session objectives

1. Report back on 2018 work-plan activities
2. Share information about emerging challenges from country programs
3. Share information about vector control innovations
4. Discuss roadmaps for new tools and the role for NTNC
5. Brainstorm the 2019 workplan

Workstream session agenda (1/3)

Title	Speaker
Welcome, objectives, overview of 2018 activities, and work plan	Fredros Okumu & Allison Tatarsky
Work plan updates on mosquito ID and emerging challenges	
Mosquito ID: improving morphological and molecular ID	Fredros (on behalf of Neil Lobo & Seth Irish) & Basil Brooke
Mosquito ID: PAMCA genomics project	Prosper Chaki & Alistair Miles
Mosquito ID: LabDisk	Nadja Wipf
<i>Plasmodium knowlesi</i> spread: experiences of Pk vector surveillance and control in Malaysia	Christina Rundi

Workstream session agenda (2/3)

Genetic engineering technologies	
Oxitec: extending validated Aedes technology to Anopheles, progress and next steps	Enca Martin-Rendon
Afternoon break / coffee, tea, fruit juices, sweet snack	
Target Malaria (population suppression): overview, progress, and next steps	Abdoulaye Diabate & Mamadou Coulibaly
UCI Malaria Initiative (population replacement): brief overview	Rebeca Carballar (via video)
Target Malaria (population replacement): overview, progress, and next steps	George Christophides

Workstream session agenda (3/3)

Roadmaps for new vector control tools	
The repellent roadmap – topical repellents, spatial repellents, and push-pull	Sarah Moore & Jason Richardson
The ivermectin roadmap	Carlos Chaccour & Regina Rabinovich
Discussion and closing	
Discussion on NTNC work plan for 2019 including <ul style="list-style-type: none">• Country priorities• Tracking tools• Consolidating and tracking roadmaps• Other work plan priorities for 2019	Facilitated by Fredros & Allison
End of meeting	

2018 workplan updates

Project #1: Identification of *Anopheles* vectors

Status - **ongoing**

Activity	Timeline	Status	Responsible
1. Develop protocol for associating morph ID with sequencing	2018-2019	Ongoing	Seth Irish (US CDC) and Neil Lobo (UND/UCSF)
2. Collect samples and conduct in-country training	2018+	Pending funding	Seth Irish (US CDC) and Neil Lobo (UND/UCSF)
3. Update keys for sub-Saharan Africa	2018+	Ongoing	Maureen Coetzee and Basil Brooke (Univ of Wits/NICD South Africa)

2018 workplan updates

Project #2: Update definition of residual transmission

Status - **completed**

Activity	Timeline	Status	Responsible
1. Review of RMT definition at RMT WHO GMP/TDR/Ifakara	2017-2018	Completed	Nakul Chitnis (Swiss TPH), Florence Fouque (WHO-TDR), Tessa Knox (WHO GMP), Fredros Okumu (IHI)
2. Update WHO RMT definition	2018	Completed; including in Malaria Terminology revisions	Tessa Knox (GMP)

2018 workplan updates

Project #2: Update definition of residual transmission

Status - **completed**

WHO *Malaria Terminology*

(last update: June 2018):

transmission, residual

Persistence of malaria transmission following the implementation in time and space of a widely effective malaria programme

Note: The sources of and risks for “residual transmission” may vary by location, time and the existing components of the current “effective malaria programme”.

2018 workplan updates

Project #3: Develop draft guidelines for measuring residual malaria transmission

Status - **ongoing**

Activity	Timeline	Status	Responsible
1. Review methods from studies on RMT in Africa, Asia, and Latin America and draft standardized guidelines to investigate transmission drivers across settings	2019	Ongoing	April Monroe (JHU), Fredros Okumu (IHI)
2. Review of measuring human behavior as it relates to vector behavior and RMT	2019	Completed (published in Malaria Journal)	April Monroe (JHU)

2018 workplan updates

Project #4: Consolidate evidence on new tools

Status - **completed**

Activity	Timeline	Status	Responsible
1. Systematic review of the vector control toolbox	2018	Completed; published in Mar 2018	Yasmin Williams and Allison Tatarsky (UCSF), Lucy Tusting (LSHTM), Fredros Okumu (IHI)

2019 workplan discussion

1. Should the NTNC workstream take on vector control tool inventory management?
2. Should the NTNC workstream take on vector control roadmap development and tracking (where needed) ?
3. What are emerging country priorities?
4. What are key knowledge gaps in new tools and new challenges?
5. What are additional priorities for workstream members?

2019 workplan discussion

1. Vector control product inventory tracking
2. Roadmap development and tracking, examples:
 - a. Consolidation of efforts around spatial repellents? (partner supported)
 - b. ATSB?
 - c. Other?
3. Continuation of project #1 from 2018 workplan
 - a. Finalize morph ID and molecular sequencing protocol
 - b. Train on molecular sequencing protocol (needs funding)
 - c. Finalize *Anopheles* key update
3. Continuation of project #3 from 2018 workplan (RMT guidelines)