Workstream 1: Enhancing the Impact of Core Interventions

Workstream 2: Expanding the vector control toolbox

Workstream 3: Implementing the Global Vector Control Response
Transitioning from the past
Activities of previous workstreams are now integrated under new ones

- LLIN Priorities
- IRS priorities
- Larval Source Management
- New Tools, New Challenges
- IVM Evidence and Capacity Building
- Insecticide Resistance Management
- VBDs and the Built Environment

Enhancing the Impact of Core Interventions
Expanding the Vector Control Toolbox
Implementing the Global Vector Control Response
## Expanding the Vector Control Toolbox

**Co-Leadership of workstream: Allison Tatarsky and Sheila Barasa**

<table>
<thead>
<tr>
<th>Focus Output 1</th>
<th>Identify tool gaps or capacity needs &amp; steer research priorities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focus Output 2</td>
<td>Policy clarification &amp; evaluation pathways</td>
</tr>
<tr>
<td>Focus Output 3</td>
<td>Implementation/Operational scale-up support/Training and capacity building initiatives</td>
</tr>
</tbody>
</table>

### Work stream 2: Expanding the Vector Control Toolbox

**Themes:**
- Larval Source Management
- Innovations in vector control and surveillance
- Anthropology and human centred design in the context of vector control

**Co-Leads:**
Allison Tatarsky  
Sheila Barasa

- 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 Multi Sectoral Working Group (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
Highlights of key achievements of previous 2019-2020 workplans

NTNC Project #1: Identification of *Anopheles* vectors
Resolving current challenges on identification of malaria vectors in residual transmission settings.


- Under consideration for the revised WHO practical ento guidelines: Development of protocols to ensure correct association of molecular identification with morphological identification of mosquito specimens.
Highlights of key achievements of previous 2019-2020 workplans

NTNC Project #2: Develop draft guidelines for measuring residual malaria transmission and its drivers


LSM Project #3: Review operational LSM in national malaria programs and identify evidence of impact

- Ghana, Niger, Rwanda, and Uganda incorporate LSM and mapping in their vector control programs and Botswana, Namibia, and Swaziland launch LSM operational research with WHO-AFRO and ICIPE
New themes as a result of feedback from workstream members

• Reviewing existing tools/approaches but with improved methods or innovation around delivery, program implementation, and evaluation; examples include:
  • LSM (integrated during restructuring)
  • Space spray and targeted swarm spraying
  • Outdoor residual spraying
• Emphasizing human behavior research in vector control research and incorporating human centered design in the development of new vector control tools
• Understanding urban malaria
  • Including invasive species in urban settings (e.g. *Anopheles stephensi*)
Transition from previous workplan to new workplan
Former workplan elements are maintained under new structure

Larval Source Management
- Review technology for LSM e.g., GIS, satellite imagery, use of drones for mapping and larviciding, new larvicide-application technology, aerial application, etc.
- Gather evidence for environmental management including habitat modification and manipulation as priority interventions in LSM and promote within the MSWG
- Review operational LSM in national malaria programmes and collate evidence of impact, as well as training and support needs

Innovations in vector control and surveillance
- Maintain a live inventory of publicly available information on new vector control tools such as ATSBs, endectocides, spatial repellents, genetic control, etc.
- Develop a framework for actively tracking and sharing updates on new vector control paradigm roadmaps
- Tracking and sharing knowledge on mosquito ecology, vector control, malaria transmission and epidemiology through series of MasterClass virtual classes with experts from our community
- Share VCAG updates on the vector control product policy pipeline

Anthropology and human centered design in the context of vector control
- Highlight innovation and opportunities to incorporate anthropological research and human centered design into the development, evaluation, and scale up of new vector control tools
Status of Task Force recruitment

• We will be following the criteria as described by the VCWG Co-Chairs and Secretariat
• Task Force members will be identified by their contributions to the workstream workplan i.e. point people for the workplan activities
• Task Force membership is activity-specific and will therefore be dynamic based on activities and priorities of the workstream
• We expect to have a preliminary list of Task Force members to share during the session on April 29th
Preliminary agenda for April 29th EVCT workstream session

Larval Source Management
- Presentations and discussion on evidence for environmental management including habitat modification and manipulation as priority interventions in LSM

Innovations in vector control and surveillance
- Presentations and discussion on roadmaps for vector control paradigms:
  - Bite prevention
  - Attractive targeted sugar baits (ATSB)
  - Endectocides
  - Genetic control

Anthropology and human centered design in the context of vector control
- Presentations and discussion on integrating human centered approaches to enhance efficacy of vector control interventions
18 March 2021

Discussion

Dr Allison Tatarsky – University of California
Dr Sheila Ogoma – Clinton Health Access Initiative