Harmonized Indoor Residual Spraying capacity building

RBM Vector Control Working Group
15th Annual Meeting, February 3 – 5th 2020

Chadwick H. Sikaala
Presentation outline:

- E8 Architecture
- Rationale for Regional Harmonized Capacity building
- Regional Harmonized Indoor Residual Spraying Capacity building
- Examples and Key Lessons learnt, recommendations
A strategic architecture framework has been developed for the E8 Secretariat

**Vision**
(What the E8S wants to achieve in the future)

**Mission**
(What the E8S has to do now)

**Strategic Objectives**
(How the E8S will deliver)

**To have a malaria-free Southern Africa by 2030**

**To support the achievement of the E8 strategy through planning & coordination, resource mobilisation and knowledge sharing of malaria elimination in the region**

1. Plan and coordinate harmonised efforts to support malaria elimination in the E8 region
2. Mobilise resources from current and new partners and support advocacy work of the E8 Ministerial Committee
3. Develop and maintain a comprehensive knowledge sharing platform for regional malaria elimination

**Enablers**
(What needs to be in place to deliver)

- Monitoring and Evaluation
- Grant Management Services
- E8 Secretarial Services
- Support Services
Rationale for Regional Vector Control Capacity Building

- Limited information on perspective of Vector Control Implementation in different countries

- Difference in epidemiological profile and approach to implementation

- Variance in indicators collected and definitions

- Differences in approach to training of personnel

- Human resource (spray operator; Supervisor ratio) and logistical challenges: Quality issues

- 2017 malaria upsurge in the region

- Emergency Ministerial meeting

- Elimination 8 Strategy: Acceleration Plan 2018 – 2020
Training of Trainers to Enhance Quality of IRS across the E8 Region:

- Regional Vector Control serves as a platform for Technical Assistance, coordination, Harmonization of activities & best practices sharing
- Collaboration with partners (RBM & AFRO WHO)
- WHO provided 2 consultants (Development of manual and Training)
- Harmonized regional IRS training manual developed (Reference materials and consultations)
- Training conducted in South Africa
  - 32 participants (All TWG & or representatives, E8 and 2 WHO consultants)
- Countries adoption of the harmonized training manual
Indoor Residual Spraying in targeted districts of southern Angola (example of best practice adoption)

- Through BMGF support an **IRS decision map was developed (MIS 2017/18)**
- Initiative to target sources of infection along the border
- Procurement of insecticides for Angola & Namibia co payment (MoU IVCC)
- **Standard Operating Procedures & guidelines for IRS revised**
  (Environmental safeguards, IEC/BCC, transportation, Training of Trainers manuals)
- Implementation
  - Targeting 5 districts in Cuando Cubango (Rivungo, Dirico, Calai, Cuangar & Menongue)
  - Estimated to spray ~ 73,000 structures protecting ~ 443,000 population
  - Training of Trainers (~246 supervisors) & cascade trainings (~ 738 personnel)
- **Environmental compliance**
  - **Innovation for Storage and disposal (mobile units) facilities**
  - **Mobile unit cost ~$40 compared to ~$ 2130 cost for the standard static wash bay**
## Harmonized Vector Control Indicators

### VECTOR CONTROL AND ENTOMOLOGICAL SURVEILLANCE SCORECARD

<table>
<thead>
<tr>
<th>Country</th>
<th>2018 Indoor Residual Spraying Coverage (%)</th>
<th>Net Ownership</th>
<th>Net Utilization</th>
<th>Larval Survey</th>
<th>Vector Species identification</th>
<th>Vector seasonal and spatial distribution</th>
<th>Vector resting behaviour</th>
<th>Insecticide resistance</th>
<th>Insecticide residual effect</th>
<th>IRM Plan in place</th>
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Data Source: E8 Ministries of Health
### Key Lessons Learnt: Regional Indoor Residual Spraying Training of trainers

#### Observations:
- Best practices strengthens regional collaboration
- Harmonization and synchronization of key activities
- Data sharing key to regional harmonization efforts
- Understanding of indicators key to success

#### Key Challenges:
- Time constraints limitations
- Limited participation of partners
- Lack of in-country adapted reference materials
- Review of process and results

#### Key recommendations:
- Field feedback for future refining
- Allocate more time and resources
- Consultations of all partners and key players
- Independent review and further recommendations
- Translation and Online publication
E8 NMCPs
E8 TWG members
WHO AFRO & RBM
All partners that contributed