Larval Source Management Work Stream

Summary

Hmooda Kafy
Summary

Leader - Steve Lindsay; minutes - Lucy Tusting; participants - 29

1. Summary of 2\textsuperscript{nd} meeting, ASTMH – Steve Lindsay
2. Update on Cochrane Review – Lucy Tusting
3. LSM in Khartoum, Sudan – Hmooda Toto Kafy
4. 2011/12 deliverables - Steve Lindsay/Shiva Murugasampillay
   - Decision-making framework for LSM
   - Country studies
   - Operational manual
Cochrane Review update: Lucy Tusting

- **Results:** LSM associated with 69% reduction in incidence (in six studies), 75% reduction in parasite prevalence (in six studies)

- **Conclusion:** LSM reduces morbidity from malaria where breeding sites are fixed, discrete and easily identifiable, and therefore may complement other methods of malaria vector control

- **Final steps:** finalise entomology analysis and submit to Cochrane Group end Feb
LSM in Khartoum: Hmooda Toto Kafy

- **Aim**: to reduce parasite prevalence in Khartoum (population 6m) to less than 0.1%

- **Program**: Community participation, political support, annual budget US$600,000:
  - repair of broken water pipes, removal of water basins by law
  - environmental management, biological control with gambusia fish
  - use of intermittent irrigation, clearance of irrigation canals

- **Impact**: decline in parasite prevalence from 7.8% to 0.4% between 1995 and 2008, significant reduction in incidence of reported malaria
2011/2012 deliverables I
Decision-making framework for LSM – Steve Lindsay

1. Booklet for NMCPs/NGOs – should we consider LSM for malaria vector control?

2. SL suggested outline:
   – What is LSM; evidence for efficacy; economics of LSM; role in IVM
   – Requirements for LSM; where and when to do LSM
   – Requirements for implementation and monitoring

3. Additional suggestions from Work Stream:
   – Selection of methodologies and materials for LSM, integration of LSM into other sectors (e.g. city improvements), role of LSM in targeting hot spots and in managing resistance, importance of community
1. Examples of what it takes to run a successful LSM program

2. SL suggested two page summary of LSM in:
   – Malindi, Kenya
   – Dar-es-Salaam, Tanzania
   – Zambia
   – India (LSM in Urban MCP)

3. Work Stream suggestions:
   – Could add: Mauritius, Swaziland, Cameroon, Niger, Amazon, Cape Verde
1. Detailed toolkit for program managers – how to do LSM

2. Suggested outline:
   - Introduction
   - Chapter 1: Policy
   - Chapter 2: Management
   - Chapter 3: Implementation

3. Numerous suggestions from Work Stream to be incorporated. Several members of Work Stream volunteered/nominated to contribute to each of the chapters.