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# Larval Source Management Work Stream

Background



# 1. Cochrane Review

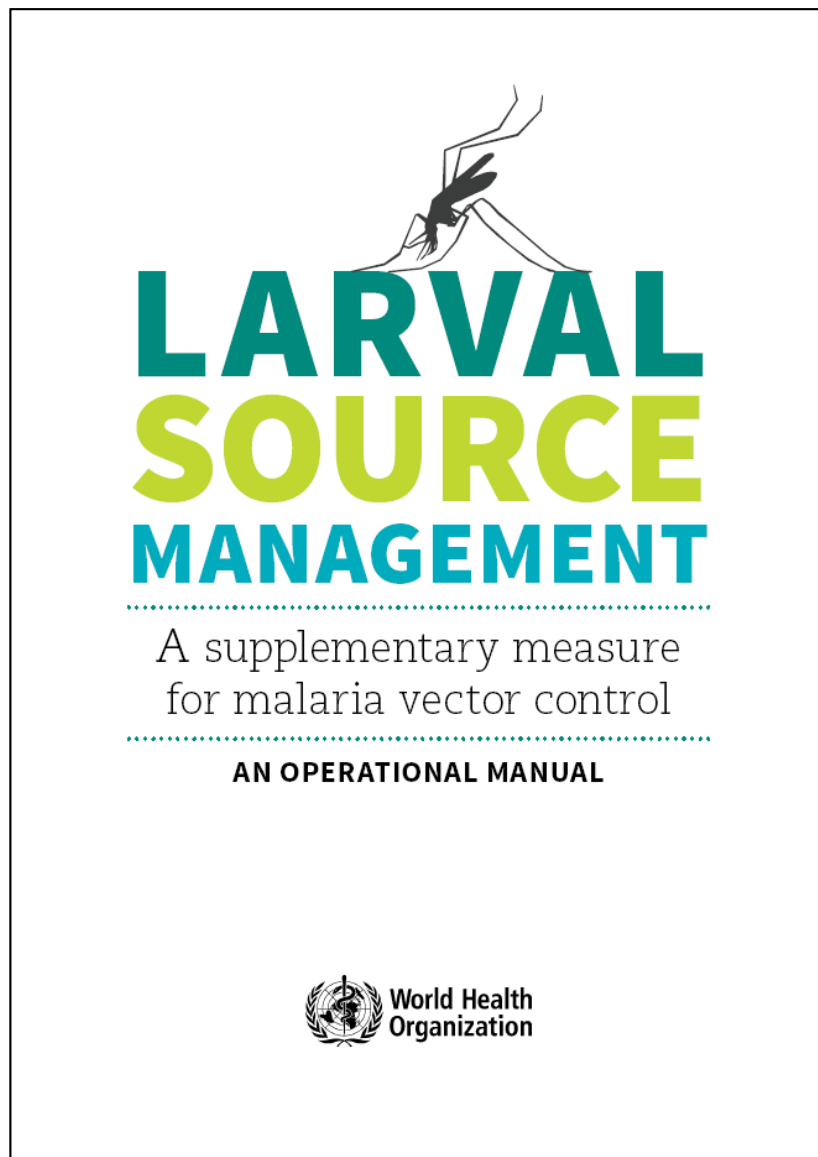
**Published September 2013:** Tusting LS, Thwing J, Sinclair D, Fillinger U, Gimnig J, Bonner KE, Bottomley C, Lindsay SW., 2013. Mosquito larval source management for controlling malaria. Cochrane Database of Systematic Reviews, Issue 8.

## **Main results and conclusions:**

- 13 studies included, up to 75% reduction in incidence and up to 90% reduction in prevalence in appropriate settings
- In Africa and Asia, LSM is an option with LLINs and IRS, in both urban and rural areas, where sufficient larval habitats can be targeted.
- Further research is needed to evaluate whether LSM is appropriate or feasible in rural Africa where larval habitats are more extensive

**Dissemination:** 50+ press articles/audios in first week including BBC News, BBC World Service, Reuters, Voice of America

## 2. Operational Manual



- **Published July 2013**
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### 3. RBM-sponsored LSM Symposium at MIM

1. **Steve Lindsay:** Larval source management for malaria control in Africa.
2. **Lucy Tusting:** A systematic review and meta-analysis of mosquito larval source management for controlling malaria.
3. **Silas Majambere:** Larval source management: an African perspective.
4. **Hmooda Toto Kafy:** Larval source management in Khartoum, Sudan: a case study.

## 4. Multisectoral approaches to malaria

### Multisectoral Action Framework for Malaria Control, RBM/UNDP, September 2013:

- LSM can be integrated into many sectors including agriculture, water and sanitation management and planning and construction
- e.g. Encourage construction sector to apply larvicide to oxidation ponds; integrate LSM into urban agriculture
- This approach is already being pioneered e.g. Khartoum, Sudan as part of the Khartoum Malaria Free Initiative