






**INTERIM RECOMMENDATIONS
FOR MALARIA
ENTOMOLOGICAL
SURVEILLANCE AND VECTOR
CONTROL DURING COVID 19
PANDEMIC**

**Anti-Malaria Campaign
Ministry of Health – Sri Lanka**

ANTI-MALARIA CAMPAIGN

INTERIM RECOMMENDATIONS FOR MALARIA ENTOMOLOGICAL SURVEILLANCE AND VECTOR CONTROL DURING COVID 19 PANDEMIC

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<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> Anti Malaria Campaign Ministry of Health and Indigenous Medical Services </div>  </div>					
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Interim recommendations for malaria entomological surveillance and vector control during Covid 19 pandemic

This guideline draws attention to the main activities to be conducted with regard to the entomological surveillance and vector control to sustain the malaria free status of Sri Lanka when COVID-19 is the major concern of the country.

1. Reactive entomological surveys

Reactive entomological surveys are mandatory to carryout according to the scope of work to be done when a malaria patient is detected.

Entomological techniques

1. Larval surveys are compulsory to carry out as part of reactive entomological surveys.
2. Adult surveillance techniques: Cattle baited trap collections and Cattle baited hut collections.

2. Proactive entomological surveys

Always proactive entomological surveys to be carried out in areas with increased vulnerability. In this situation such areas would be either quarantine centers comprising of passengers coming from malarious countries or areas comprising of vulnerable groups (migrant workers, refugee returnees, asylum seekers etc.).

Quarantine centers: Regional Malaria Officers should gather information related to quarantine centers comprising of people from malarious countries and seek permission to carry out entomological surveys in and around 1 km radius from relevant authorities considering as an urgent need.

Entomological techniques

Larval surveys and Cattle baited trap collections.

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3. Sentinel surveys

Extended routine sentinel surveys and routine sentinel surveys to be carried out considering the transportation and accommodation factors when and where it is feasible.

Entomological techniques

Larval surveys, Cattle baited trap collections and Cattle baited hut collections.

4. Insecticide resistance monitoring

Insecticide susceptibility tests to be carried out using adult mosquitoes reared from larval collections. The RMO regions with provincial entomology laboratories should use those labs for this purpose. Others also can use their entomology laboratories for larval rearing and susceptibility testing.

5. Data reporting & response

Report the findings of the entomological surveys through the relevant forms by electronic mail to AMC HQ (antimalariacampaignsl@gmail.com) followed by post.

Inform/discuss regarding the vector control response when required as a result of the entomological surveys with the AMC HQ.

6. Vector Control activities

Reactive vector control activities

Once the entomological survey is conducted, the AMC HQ will review the findings with the RMO and decide on the appropriate vector control method

Proactive vector control methods

Application of chemical larvicides and introduction of larvivorous fish to wells can be carried out at community level as needed, especially for *An. stephensi*. However, since community

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support is needed for this activity, they should be planned, taking in to consideration the current context.

In addition, based on vulnerability and receptivity if there are specific situation where vector control may be needed, it can be discussed with AMC HQ and decided.

Important

- ✓ Always the entomological and vector control team members need to adhere to guidelines given by the health ministry to prevent the spread of COVID – 19 (eg: social distancing, handwashing, etc.) and need to wear necessary personal protection such mask and gloves during the surveys.
- ✓ Suspend mosquito collections in human dwellings (Human landing catches, Indoor resting hand collections, Spray sheet collections and Window trap collections) until further notice.
- ✓ Always use entomological and vector control equipment and necessary devices owned by the particular team and not to touch any belonging of outside people.
- ✓ Always wash the entomological and vector control equipment used in a survey with soap at the end of the day.
- ✓ Always transport the necessary entomological and vector control team members adhering to social distancing.

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Annex i

Contact details of RMO Offices

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Badulla	055-2229560	Kegalle	035-2223480	Mullaitivu	021-2060007
Batticaloa	065-2222931	Killinochchi	021-2285517	Polonnaruwa	027-2226018
Colombo	011-2519284	Kurunegala A	037-2222193	Puttalam	032-2265319
Embilipitiya	047-2230301	Kurunegala B	037-2222193	Trincomalee	026-2222584
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