

## Entomological Survey

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### INTRODUCTION:

Mosquitoes are one of the most important vector agents that carry disease causing viruses and parasites from person to person. The main group of mosquitoes which are related to disease transmission in India are Aedes, Anopheles, Culex and Mansonia. The female mosquitoes transmit disease like Dengue fever and Chikungunya, malaria, filariasis and Japanese Encephalitis respectively.

### Objectives:

### Methodology:

Study Design: Cross sectional community school study.  
Study setting: Chennai Colony, Thiruvananthapuram.  
Study Subjects: Residents of Chennai Colony. 100 houses and 100 residents were selected. 38 males and 62 females of different religions, educational status and occupational status were surveyed.

### Results:

The entomological survey conducted shows that container index was 35%, House index was 60% and beaten index was 86%. Chennai colony is a high risk area for the development of aedes mosquito born disease from the very high vector indices. Also majority of the residents were found to have moderate to good level of knowledge regarding mosquito born disease.

### Conclusion:

People residing in urban status are at high risk of developing aedes mosquito born diseases. Improper Drainage and waste disposal are main factors furnishing mosquito breeding. Health education and motivation are necessary for the residents.

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