Indian Journal of Basic and Applied Medical Research; March 2016: Vol.-5, Issue- 2, P. 447-454

**Original article  
A Study on the Pattern of Insecticide Impregnated Mosquito Net Use in Malaria High Risk Area of Kamrup District, Assam**

**Ashok Jyoti Deka, Beeva Boruah, Ankumoni Saikia, RoopShekhar Mohan, Krishangee Bordoloi.**

Name of the Institute/college: Fakhruddin Ali Ahmed Medical College, Barpeta, Assam  
corresponding author: Dr. Ashok Jyoti Deka

**Abstract**

**Background**: Insecticide-treated net (ITNs) is one of the prominent malaria preventive measures. India has been promoting and scaling up the use of ITNs in endemic malarious areas. Very few studies have been conducted in acceptance of ITNs and various practices related to it.

**Objectives**: To study the use of insecticide impregnated mosquito net in malaria high risk area and to study various practices among the impregnated net users.

**Materials and methods**: Community based cross sectional study conducted in villages under malaria high risk sub-centres of Rani Community development Block. Information regarding the use of ITNs from 330 randomly selected head of the households was collected in pre-designed and pre-tested schedule.

**Results**: 73% of the households used ITN. Among the non ITN users, 46% were unaware about ITN/LLN. Only 56% population used ITN/LLN regularly and seasonal prevalence of mosquito is the main reason cited for this. 98% of households washed ITN/LLN in last 6 months. Only 26.2% households washed nets six monthly, 62% dried nets under sun. In 31.5% households all the members slept under ITNs and inadequate supply (92.1%) is the main reason cited for this. A statistically significant relationship between MPW Visit and regular use of ITN was observed (p<0.001).

**Conclusion**: The use of insecticide treated net is not popularized in the study group. Community awareness and preparedness is needed for utilization and proper use of ITN/LLNs.

**Key words**: Malaria, High Risk Areas, Insecticide Treated Nets (ITN/LLN), Practices.