

## IMPORTANCE OF MOTHER'S EDUCATION IN VACCINATION COVERAGE USING KAPLAN-MEIER SURVIVAL ANALYSIS

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### ABSTRACT

According to World Health Organization the burden of vaccine preventable diseases remains high in developing country compared to developed countries. To overcome from this burden different types of immunization programmes have been implemented. For better immunization coverage in developing countries, consideration progress to be made to improve the knowledge and awareness regarding importance of vaccines. The present study tries to find the role of mother's education in DPT (diphtheria-pertussis-tetanus), Hepatitis B and Measles vaccine coverage in an urban society of India. The study area is an urban area of Assam and data are collected by using systematic random sampling. Altogether 900 children are taken in the age group 6 months to 5 years. Kaplan-Meier survival method is used to find the impact of mother's education on failure of vaccination coverage. Results show that increasing mother's education level decreases the probability of failure for age-appropriate DPT, Hepatitis B and Measles vaccine coverage. Education level of mother is very important regarding coverage of vaccines.

**KEYWORDS:** Diphtheria-Pertussis-Tetanus, Hepatitis B, Immunization, Measles, Systematic Random Sampling



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