



Mobile Health Clinics in Rural Senegalese Children: Immunization Coverage and Disease Outcomes in Guinea,

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Abstract

Mobile health clinics have been introduced to improve healthcare access in rural communities, particularly for immunization coverage and disease outcomes. A cross-sectional study was conducted with a sample size of 200 rural children aged 1-5 years, using questionnaire surveys for data collection. Data were analysed using descriptive statistics and logistic regression models. Immunization coverage reached 85% in the mobile health clinics compared to 70% in fixed clinic settings. A significant reduction in diarrhea incidence was observed ($p < 0.01$, OR = 2.4, CI: 1.3-4.6). The mobile health clinics significantly improved immunization coverage and reduced the incidence of preventable diseases among rural Senegalese children. Further implementation and evaluation of mobile health clinic programmes are recommended to enhance healthcare access in underserved regions. Mobile Health Clinics, Immunization Coverage, Disease Outcomes, Rural Children, Guinea

Keywords: *Sub-Saharan, Africa, Mobile Clinics, Vaccination, Paediatrics, Healthcare Access, Outcome Measures*

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