



Vaccine Hesitancy and Health Outcomes in Cholera Vaccination Adoption Among Urban Slum Communities in Lagos, Nigeria

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Abstract

Cholera remains a significant public health concern in urban slums of Lagos, Nigeria, where vaccination uptake is often low. A cross-sectional study was conducted using structured questionnaires to assess community attitudes towards cholera vaccines and their impact on health outcomes. Vaccine hesitancy rates were found to be significantly higher (32%) compared to previous studies, with a wide variation in uptake across different slums. There is a need for tailored educational interventions targeting vaccine hesitancy to improve cholera vaccination coverage among urban slum communities. Public health campaigns should focus on dispelling myths and misconceptions about vaccines, emphasising their importance in preventing severe cholera cases. Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African, Urban, Slums, Epidemiology, Vaccination, Hesitancy, Impact, Immunization

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