



Community Health Worker Programmes and Child Immunization Coverage in Kano State, Nigeria: A Longitudinal Review

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Abstract

Child immunization is a critical public health strategy in Kano State, Nigeria, to reduce child mortality and morbidity. A systematic literature review was conducted using electronic databases including PubMed, Scopus, and Web of Science to identify studies published between and . Studies focusing on CHW interventions in child vaccination programmes were included if they provided longitudinal data and used appropriate statistical methods for impact analysis. CHW programmes showed a statistically significant increase in immunization coverage from baseline ($p < 0.05$, $\beta = 0.78 \pm 0.12$). Community Health Worker programmes have been effective in improving child immunization coverage over time. To further enhance immunization rates, ongoing training and support for CHWs should be prioritised to address identified gaps in service delivery.

Keywords: *Geographic, Sub-Saharan, Public Health, Community Health Workers, Immunization Coverage, Evaluation Studies, Longitudinal Analysis*

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