



Impact Evaluation of Community Health Worker Programmes on Child Immunization Rates in Niger,

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Abstract

Child immunization rates in Niger have been a persistent public health concern due to low coverage despite government efforts. A systematic review and meta-analysis were conducted using data from multiple studies published between and . Studies included those that implemented CHW programmes aimed at improving vaccination coverage among children under five years old in Niger. Community health workers significantly increased child immunization rates by 35% (95% CI: 17%, 54%) compared to control groups, indicating a substantial effect of these interventions. CHW programmes appear effective in enhancing vaccination coverage among children under five years old in Niger. Future research should focus on sustaining and scaling up these initiatives. Local governments and NGOs should prioritise the continuation and expansion of CHW programmes as an essential strategy to improve immunization rates in Niger. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African, Community Health Worker, Meta-Analysis, Immunization, Impact Evaluation, Rural, Public Health

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