



Nomadic Herders' Vaccination Coverage Under Community Health Worker Programmes: A Village-Level Analysis in Northern Niger,

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Abstract

Nomadic herders in northern Niger face unique challenges in accessing healthcare services due to their nomadic lifestyle. Village surveys were conducted from - to assess vaccination coverage and associated factors using logistic regression models. $\hat{\lambda} = \frac{a+b}{c+d}$ where $\hat{\lambda}$ is the odds ratio, $(a+b)$ represents vaccinated individuals who received services, and $(c+d)$ represents those who did not. Uncertainty in this estimate was quantified by a 95% confidence interval. Community health worker programmes significantly improved vaccination coverage among nomadic herders compared to non-participants. Continue and expand community health worker initiatives with targeted strategies for remote areas. Vaccination Coverage, Nomadic Herders, Community Health Workers, Logistic Regression

Keywords: *Nomadic Herders, Northern Niger, Community Health Workers, Vaccination Coverage, Impact Evaluation, Public Health Strategies, Geographic Variation*

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