



Longitudinal Accessibility Analysis of Community Animal Health Services Among Rural Ugandans,

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Abstract

Community animal health services in rural Uganda have been shown to play a crucial role in improving livestock welfare and reducing zoonotic diseases. A comprehensive search strategy was employed across multiple databases to identify relevant studies. Studies were critically appraised using predefined inclusion/exclusion criteria and synthesized using thematic analysis. The review identified a significant decline in the proportion of rural residents seeking animal health services from 60% in to 45% by , attributed to both economic constraints and service availability issues. Despite efforts towards service expansion, disparities persist, highlighting the need for targeted interventions focusing on socioeconomic factors impacting access. Community engagement initiatives should be intensified alongside infrastructure improvements to enhance accessibility of animal health services in rural areas. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African, Rural, Accessibility, Longitudinal, Livestock, Health Services, Epidemiology*

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