



Impact of Extension Programmes on Livestock Health in Madagascar 2009

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Abstract

In Madagascar, livestock health is a critical issue affecting rural livelihoods and food security. A mixed-method approach combining qualitative interviews with quantitative data analysis was employed to evaluate programme effectiveness. The extension programmes showed a significant improvement ($p < 0.05$) in vaccination coverage, indicating an increase from baseline levels of 20% to 45% among targeted livestock herds. Extension programmes have been effective in enhancing livestock health, particularly through increased vaccination efforts. Continuation and expansion of these programmes are recommended to further improve herd health outcomes. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: Madagascar, Livestock Health, Extension Programmes, Qualitative Research, Quantitative Analysis, Participatory Rural Appraisal, Food Security

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