



Zoonotic Disease Surveillance and Control in Rural Livestock Systems of Madagascar: An Integrated Approach for Prevention and Mitigation

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Abstract

Madagascar is a biodiversity hotspot where rural livestock systems are integral to livelihoods and food security. Zoonotic diseases pose significant threats to both animal health and human populations, necessitating comprehensive surveillance and control measures. The approach integrates participatory research with community engagement, leveraging existing veterinary infrastructure and training local health workers to enhance awareness and response capabilities. Integrated disease surveillance and control efforts are crucial for safeguarding rural livestock systems and public health in Madagascar. Community involvement is essential to ensure sustainability and efficacy of these interventions. Rural communities should be actively involved in planning, implementation, and monitoring of zoonotic disease surveillance programmes. Continuous training and support from local authorities will enhance the programme's impact.

Keywords: *Madagascar, Biodiversity, Livestock Systems, Zoonotic Diseases, Surveillance, Control Strategies, Epidemiology*

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