



# A Systematic Review of Antibiotic Resistance Gene Flow between Hospital, Agricultural, and Community Settings in Peri-Urban Antananarivo, Madagascar

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## Abstract

This study addresses a current research gap in Medicine concerning Longitudinal Analysis of Antibiotic Resistance Gene Flow between Hospital, Farm, and Community Settings in a Peri-Urban Area of Antananarivo, Madagascar in Madagascar. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A structured review of relevant literature was conducted, with thematic synthesis of key findings. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Longitudinal Analysis of Antibiotic Resistance Gene Flow between Hospital, Farm, and Community Settings in a Peri-Urban Area of Antananarivo, Madagascar, Africa, Medicine, systematic review This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.

**Keywords:** *Antibiotic resistance, Gene flow, One Health, Peri-urban, Sub-Saharan Africa, Madagascar, Longitudinal study*

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