



# A Systematic Review of Antimicrobial Stewardship Interventions and Their Impact on Escherichia coli Resistance Patterns in Abuja's Tertiary Hospitals, 2016

Chinwe Okonkwo<sup>1</sup>

<sup>1</sup> Department of Pediatrics, Ladoke Akintola University of Technology (LAUTECH), Ogbomoso

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**Correspondence:** [cokonkwo@aol.com](mailto:cokonkwo@aol.com)

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## Author notes

*Chinwe Okonkwo is affiliated with Department of Pediatrics, Ladoke Akintola University of Technology (LAUTECH), Ogbomoso and focuses on Medicine research in Africa.*

## Abstract

This study addresses a current research gap in Medicine concerning Measuring the change in antibiotic resistance patterns of E. coli isolates following a hospital-wide antimicrobial stewardship intervention in referral centers in Abuja, Nigeria in Nigeria. 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. Measuring the change in antibiotic resistance patterns of E. coli isolates following a hospital-wide antimicrobial stewardship intervention in referral centers in Abuja, Nigeria, Nigeria, Africa, Medicine, systematic review This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.

**Keywords:** *Antimicrobial stewardship, Escherichia coli, Antibiotic resistance, Tertiary care hospitals, Sub-Saharan Africa, Systematic review, Nigeria*

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