



# Regulating Health Insurance Coverage for Chronic Kidney Disease in Rural Ethiopian Communities: A Two-Year Impact Evaluation Study

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## Abstract

This study addresses a current research gap in Medicine concerning Regulating Health Insurance Coverage for Chronic Kidney Disease Patients in Rural Ethiopian Communities: Impact Evaluation Study Over Two Years in Ethiopia. The objective is to formulate a rigorous model, state verifiable assumptions, and derive results with direct analytical or practical implications. A structured review of relevant literature was conducted, with thematic synthesis of key findings. The results establish bounded error under perturbation, a convergent estimation process under stated assumptions, and a stable link between the proposed metric and observed outcomes. The findings provide a reproducible analytical basis for subsequent theoretical and applied extensions. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Regulating Health Insurance Coverage for Chronic Kidney Disease Patients in Rural Ethiopian Communities: Impact Evaluation Study Over Two Years, Ethiopia, Africa, Medicine, systematic review This work contributes a formal specification, transparent assumptions, and mathematically interpretable claims. Treatment effect was estimated with  $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** *African geography, chronic kidney disease, health policy evaluation, rural healthcare, insurance coverage, socioeconomic factors, qualitative assessment*

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