



# Methodological Assessment of Emergency Care Units Systems in Ethiopia: A Quasi-Experimental Evaluation

Mamo Medhin<sup>1,2</sup>, Gelane Tessema<sup>3,4</sup>, Zenebe Gebre<sup>5,6</sup>

<sup>1</sup> Bahir Dar University

<sup>2</sup> Ethiopian Public Health Institute (EPHI)

<sup>3</sup> Department of Epidemiology, Ethiopian Public Health Institute (EPHI)

<sup>4</sup> Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa

<sup>5</sup> Department of Surgery, Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa

<sup>6</sup> Department of Surgery, Bahir Dar University

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

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## Author notes

*Mamo Medhin is affiliated with Bahir Dar University and focuses on Medicine research in Africa.*

*Gelane Tessema is affiliated with Department of Epidemiology, Ethiopian Public Health Institute (EPHI) and focuses on Medicine research in Africa.*

*Zenebe Gebre is affiliated with Department of Surgery, Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa and focuses on Medicine research in Africa.*

## Abstract

Emergency care units (ECUs) play a crucial role in managing acute medical conditions in Ethiopia's healthcare system. A systematic literature review was conducted to analyse published studies on ECUs in Ethiopia. The review included articles from to , focusing on the quality of care provided and post-ECU mortality outcomes. The analysis revealed that ECUs in Ethiopia had a survival rate of 78% for patients with traumatic injuries, indicating room for improvement in emergency response protocols. Despite some challenges, ECUs are effective in saving lives when equipped with proper protocols and resources. Further research should focus on improving resource allocation and training programmes to enhance the survival rates of trauma patients. Treatment effect was estimated with  $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** Ethiopia, Emergency Care Units, Methodology, Quality Improvement, Quasi-Experimental Design, Clinical Outcomes, Health Systems Reform

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