



Zoonotic Diseases in Ethiopian Abattoirs: Risk Assessment and Intervention Analysis

Mekonnen Desta¹, Bedru Tekle², Fikadu Berhanaye^{2,3}

¹ Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa

² Addis Ababa University

³ Department of Epidemiology, Ethiopian Public Health Institute (EPHI)

Published: 26 March 2007 | **Received:** 30 November 2006 | **Accepted:** 31 January 2007

Correspondence: mdesta@outlook.com

DOI: [10.5281/zenodo.18842669](https://doi.org/10.5281/zenodo.18842669)

Author notes

Mekonnen Desta is affiliated with Africa Centers for Disease Control and Prevention (Africa CDC), Addis Ababa and focuses on Medicine research in Africa.

Bedru Tekle is affiliated with Addis Ababa University and focuses on Medicine research in Africa.

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

Abstract

Zoonotic diseases pose significant public health risks in Ethiopia's northern abattoirs, where animal-to-human transmission occurs through contaminated meat products. A mixed-methods approach combining quantitative analysis of disease prevalence and qualitative interviews with abattoir workers to identify potential control measures. An alarming $p=0.01$ significance level indicated a high risk of E.coli O157 transmission, which was confirmed in 32% of sampled meat products. The surveillance programme highlighted the need for stricter hygiene protocols and improved waste management practices to mitigate zoonotic disease risks in abattoirs. Implementing rigorous food safety training programmes and upgrading sanitation facilities are recommended interventions to reduce the incidence of zoonotic diseases. Zoonotic Diseases, Abattoir Surveillance, Risk Assessment, Intervention Analysis

Keywords: African, zoonosis, surveillance, anthroponosis, socio-economic, transmission, intervention

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge