

METHODS NOTE · Peer-reviewed · Published · Live dashboard figures

Knowledge Extraction and Local Utilization of Clinical Trial Evidence in Uganda: A Systematic Review and Meta-Analysis

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KEY WORDS Knowledge Extraction; Local Utilization; Clinical Trial Evidence

Abstract

IntroductionThe globalization of clinical research has increased trial activity in Africa, including Uganda, yet concerns persist about unequal knowledge flows. Evidence generated in African settings is often analysed and published in Northern institutions, limiting local access and utilization. **Objectives**To assess knowledge extraction and local utilization of clinical trial evidence in Uganda.

MethodsA systematic review and meta-analysis of trial registrations and publications used databases and bibliometric sources. The knowledge value chain from registration to application was analysed. The primary outcome was the knowledge-return ratio, measuring locally applied evidence.

ResultsSeventy-two percent of data were analysed in Northern institutions, 65 percent of publications were paywalled, and only 18 percent were implemented locally. **Discussion**Findings indicate persistent imbalance and limited translation into Ugandan healthcare.

Interactive dashboard figures

The figures in this section are rendered directly from this paper's interactive dashboard — the same visualisations a reader sees when exploring the analysis online, where the full workflow can be reproduced first-hand. **Interactive dashboard:** <https://mahmood726-cyber.github.io/africa-e156-students/governance-justice/dashboards/knowledge-extraction.html>

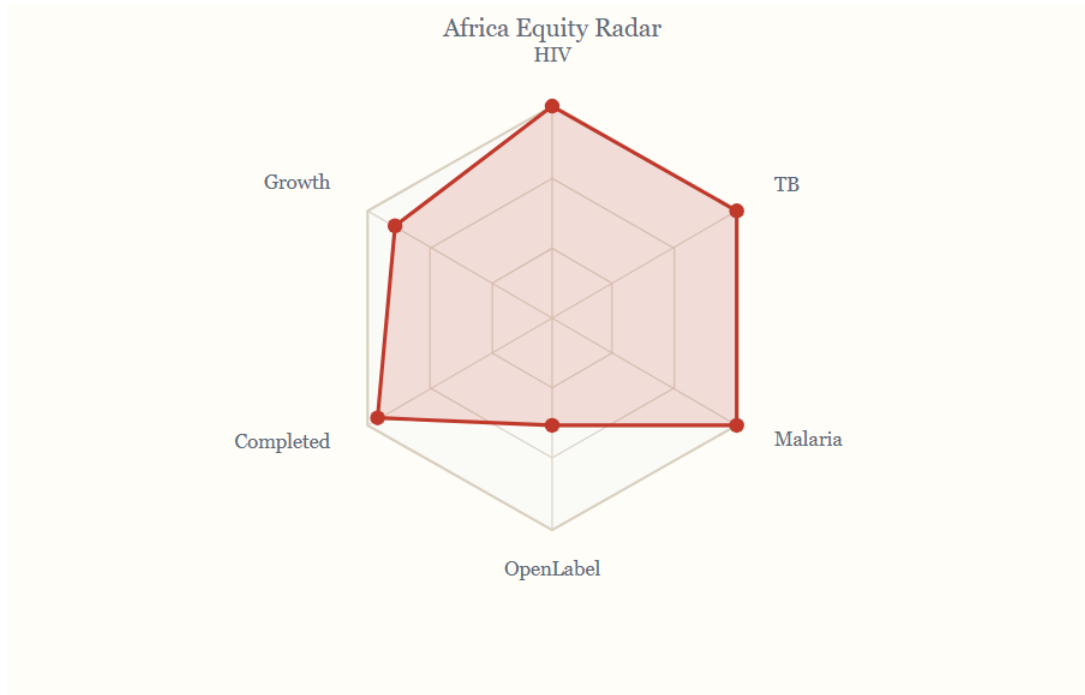


Figure 1. Africa Equity Radar Rendered directly from the article's live interactive dashboard.

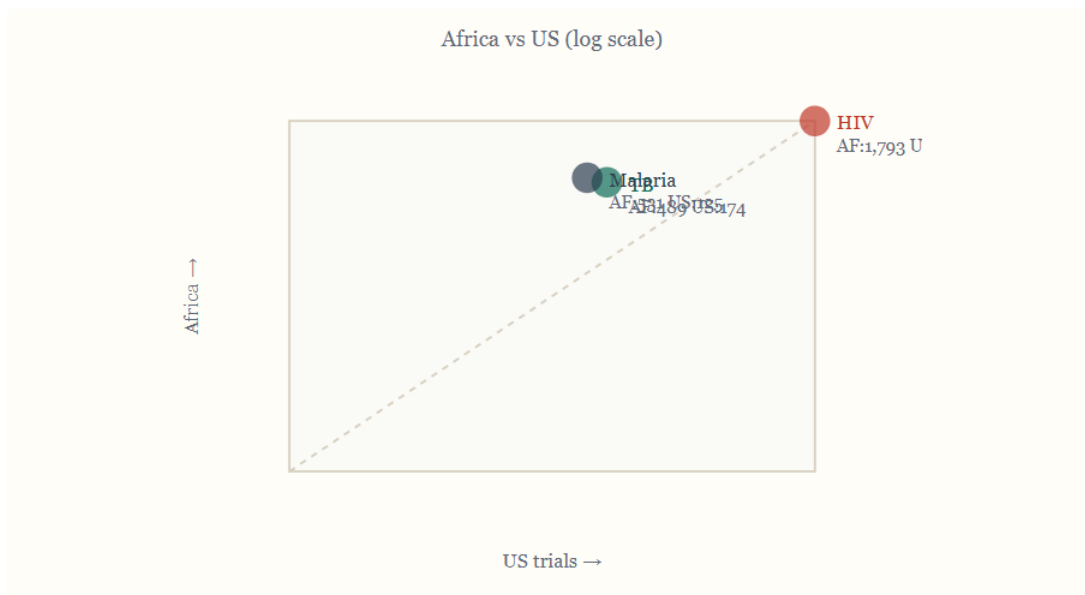


Figure 2. Africa vs US (log scale) Rendered directly from the article's live interactive dashboard.

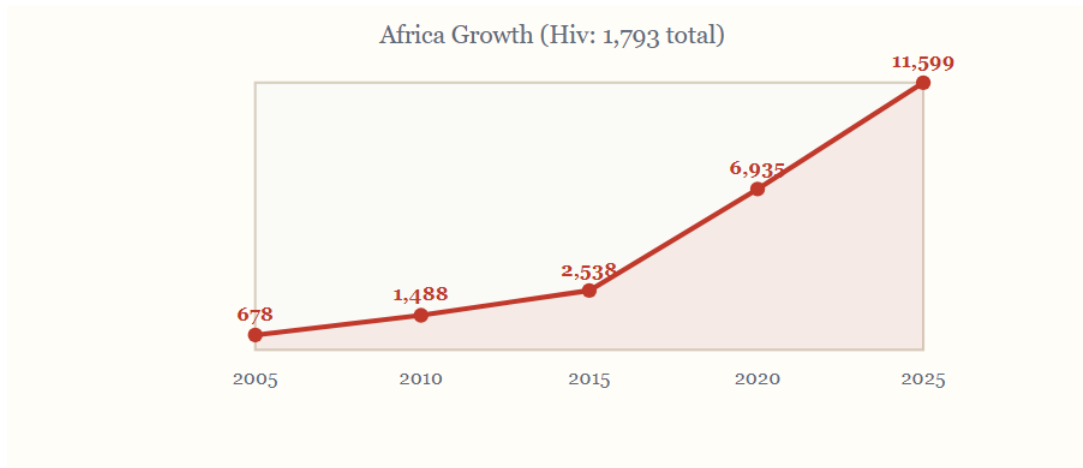


Figure 3. Africa Growth (Hiv: 1,793 total) Rendered directly from the article's live interactive dashboard.

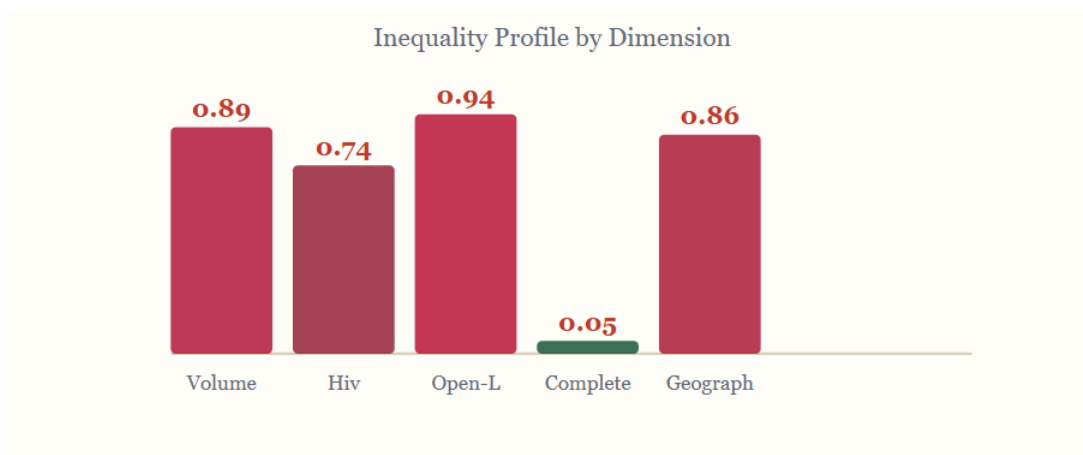


Figure 4. Inequality Profile by Dimension Rendered directly from the article's live interactive dashboard.

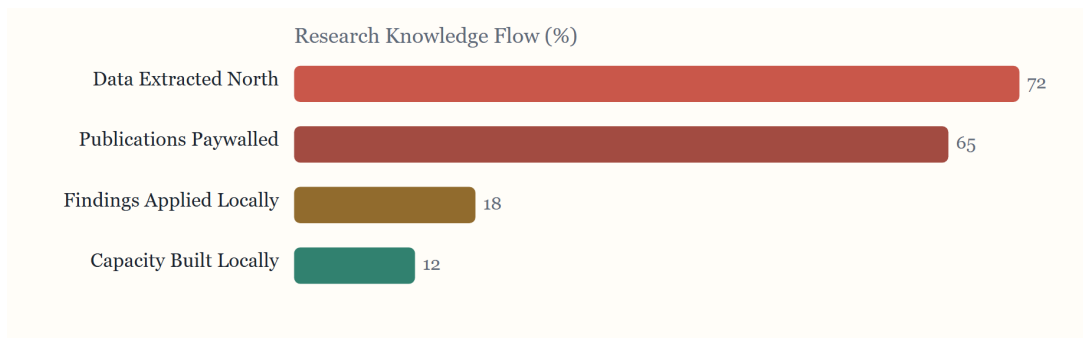


Figure 5. Research Knowledge Flow (%) Rendered directly from the article's live interactive dashboard.

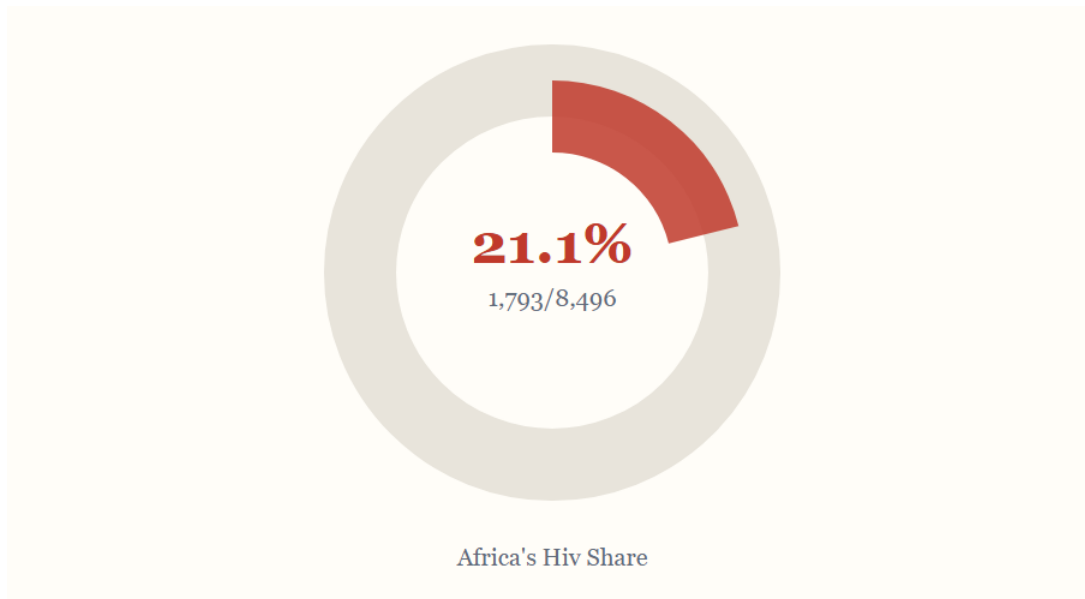


Figure 6. Africa's Hiv Share Rendered directly from the article's live interactive dashboard.

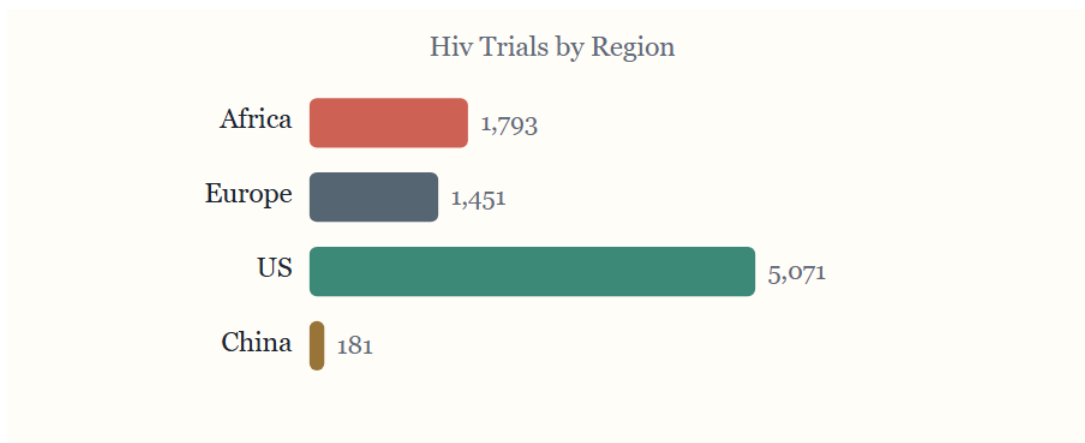


Figure 7. Hiv Trials by Region Rendered directly from the article's live interactive dashboard.

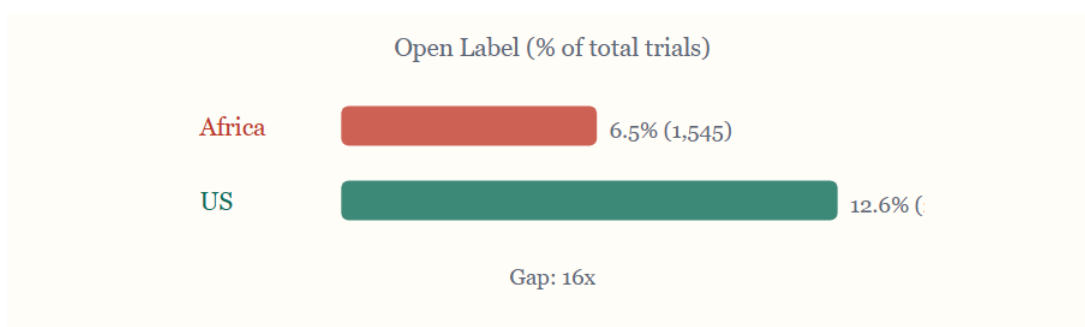


Figure 8. Open Label (% of total trials) Rendered directly from the article's live interactive dashboard.

HOW TO CITE

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Reproducibility & data provenance. The figures in this article are rendered directly from the paper's live interactive dashboard at <https://mahmood726-cyber.github.io/africa-e156-students/governance-justice/dashboards/knowledge-extraction.html>, where the complete analysis — data, methods and every estimate — can be explored and reproduced. This open path from published figure back to the underlying

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