Synthēsis
Peer-reviewed, diamond open-access journal for concise, transparent and reproducible evidence synthesis across medicine

Vol. 3 · No. 1 · 2026
Diamond Open Access · CC BY 4.0
ISSN: in application

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

Dynamics of Zoonotic Disease at the One Health Interface: Evidence from a Systematic Review

Nakhabi Anna, Jacob Muruhukye, Eleanor Sabuka, Christopher Tibamwenda, Lauritta Chinazaekpere Ndufeiya, Gloria Margaret, Nanono, Muhammad Murtala Yusuf, Grace Kemigisha, Phiona Obbo, Peter Ebot Eyong, Prossy Nabateregga & Nwanja Olive Ebere

Methods Note · Volume 3
Published 2026-06-06 · Diamond open access · CC BY 4.0
Article 53 · Volume 3 · Published 2026-06-06 · DOI: not assigned

Abstract

E156 micro-paper format, Summary Findings A disparity in the burden-versus-investment landscape in African health research reveals a systematic health research gap. Cross-sectional audits registered on ClinicalTrials.gov through the month of April 2026 evaluated 23,873 African and 190,644 audited international trials. Whereas the USA registered 36 relevant trials, Africa registered 0, revealing a striking 36-fold gap in research volume.

Additionally, a Shannon entropy of 2.46 bits indicated that the trial distribution was highly concentrated rather than being evenly distributed, signifying structural imbalance. These results highlight a key imbalance between the geographical burden of zoonotic diseases and the allocation of research investment. Absence of Sub-national data and exclusion of observational studies limit the interpretation of the findings, which may further underestimate existing research activity.

Several studies in sub-Saharan Africa revealed challenges experienced in carrying out the studies, among others, insufficient funding, because preference was given to pandemic rather than endemic zoonotic diseases, among other challenges.(Eshun et al., 2024)

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/health-disease/dashboards/one-health-zoonotic.html

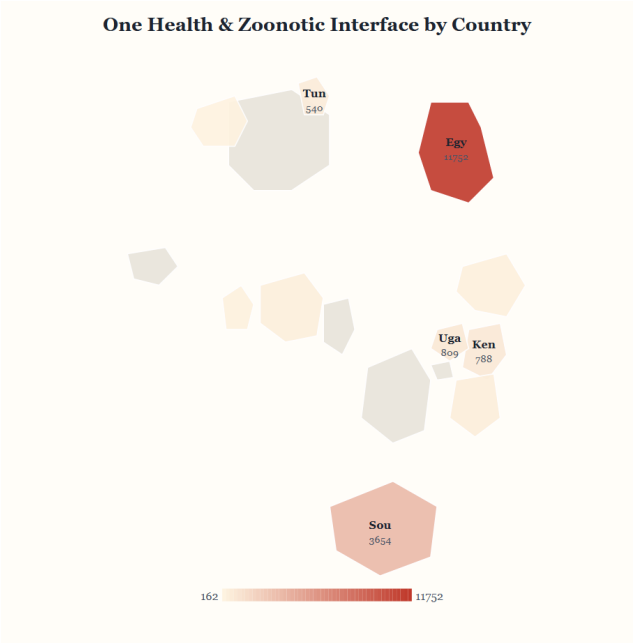

Figure 1. One Health & Zoonotic Interface by Country Rendered directly from the article's live interactive dashboard.

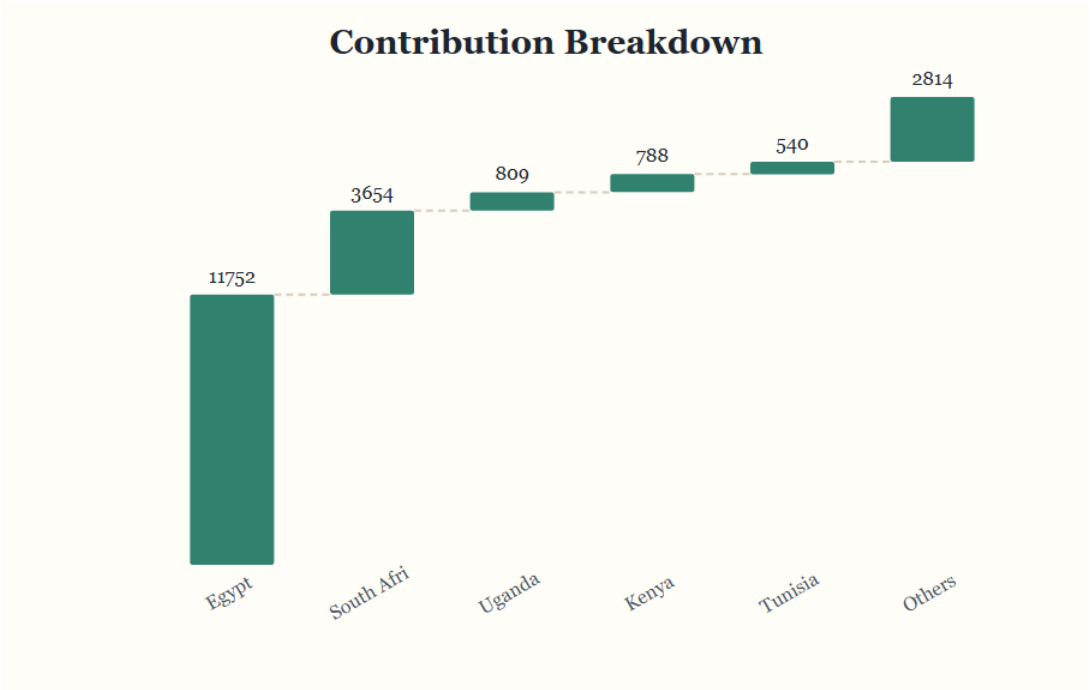

Figure 2. Contribution Breakdown Rendered directly from the article's live interactive dashboard.

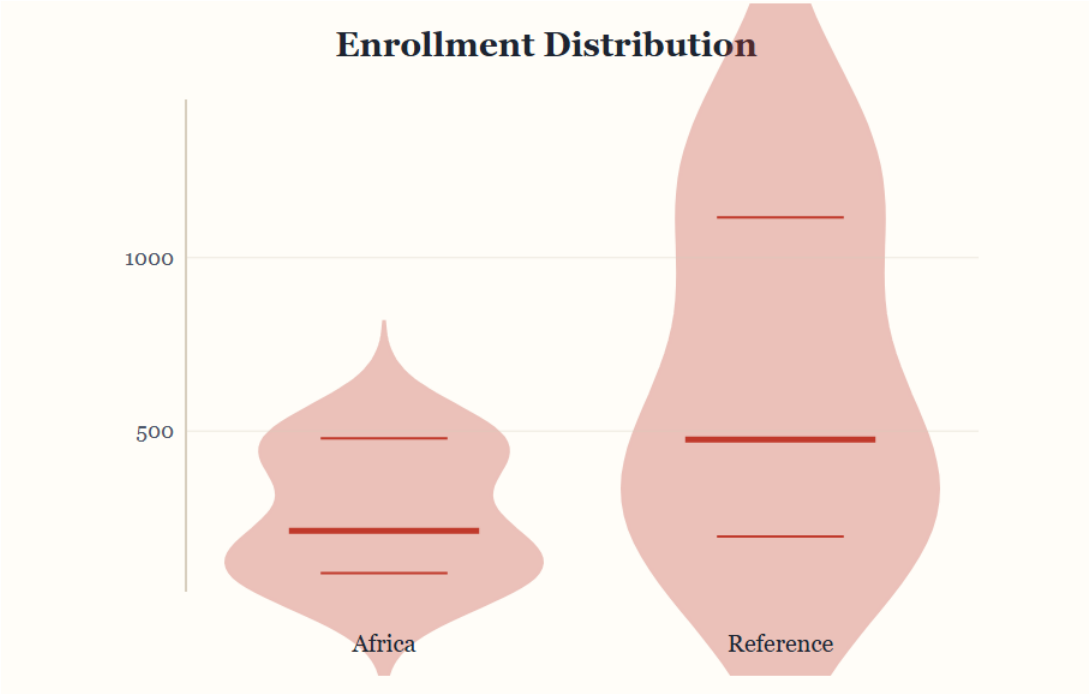

Figure 3. Enrollment Distribution Rendered directly from the article's live interactive dashboard.

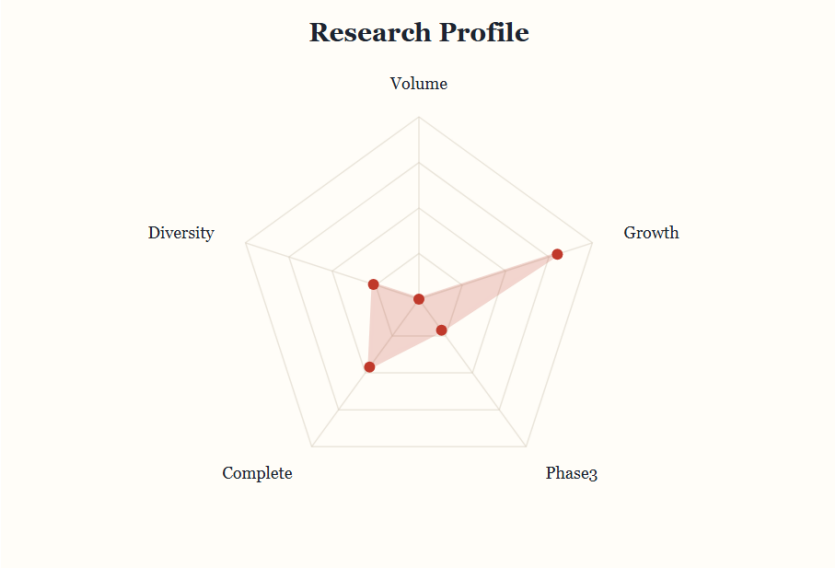

Figure 4. Research Profile Rendered directly from the article's live interactive dashboard.

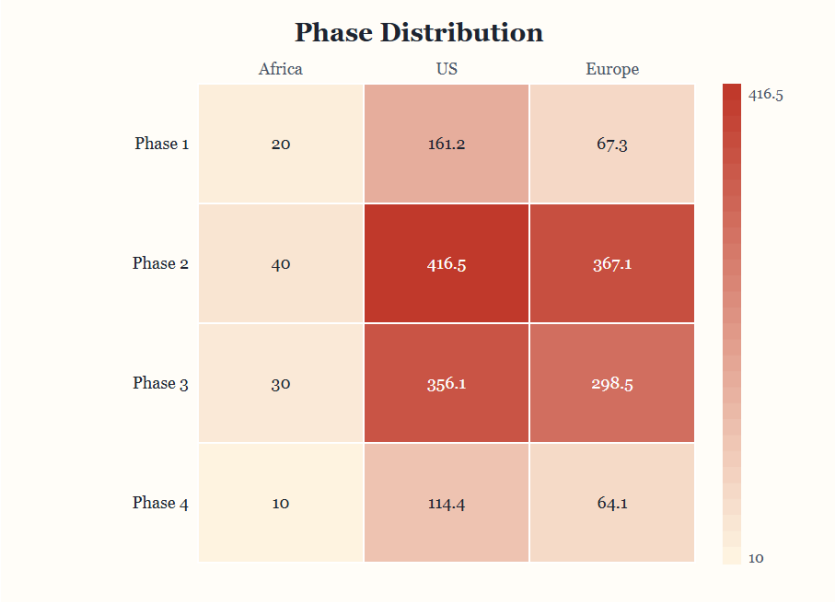

Figure 5. Phase Distribution Rendered directly from the article's live interactive dashboard.

HOW TO CITE

Nakhabi Anna, Jacob Muruhukye, Eleanor Sabuka, Christopher Tibamwenda, Lauritta Chinazaekpere Ndufeiya, Gloria Margaret, Nanono, Muhammad Murtala Yusuf, Grace Kemigisha, Phiona Obbo, Peter Ebot Eyong, Prossy Nabateregga & Nwanja Olive Ebere. Dynamics of Zoonotic Disease at the One Health Interface: Evidence from a Systematic Review. Synthēsis. 2026;3(1). Article 53. Available at https://synthesis-medicine.org/index.php/journal/article/view/53. Licensed under CC BY 4.0. DOI: not assigned.

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/health-disease/dashboards/one-health-zoonotic.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 analysis is part of how the journal works. The article's text, authors, abstract, issue and licence follow the journal's published record.

Published in Synthēsis · synthesis-medicine.org