

NICHODEMUS WERE AMOLLO

Nairobi, Kenya | nichodemuswerre@gmail.com | +254 725 737 867

Applied Statistician | Biostatistics | Health Research

PROFILE

Statistician with over eight years of experience supporting epidemiological research, health systems studies, and multi country data analysis across East Africa. Strong background in regression modelling, survival analysis, longitudinal data analysis, and research data management. Experienced in statistical analysis plan development, protocol support, manuscript preparation, and mentoring junior analysts. Committed to strengthening medical statistics capacity within African research institutions.

EDUCATION

MSc Epidemiology and Biostatistics (In Progress)

Jaramogi Oginga Odinga University of Science and Technology, Kenya

BSc Statistics, Second Class Upper Division

University of Nairobi, Kenya

PROFESSIONAL EXPERIENCE

Georgetown University East Africa Data Hub

Statistician and Research Data Analyst

April 2025 to Present

Provide statistical leadership for multi country health systems and implementation research projects across Kenya, Uganda, Tanzania, and Rwanda.

- ✓ Develop statistical analysis plans for observational and mixed methods studies
- ✓ Conduct multivariable regression, survival analysis, and longitudinal data analysis using R and Stata
- ✓ Manage large multi-site datasets ensuring data integrity and reproducibility
- ✓ Lead data harmonization across study sites
- ✓ Contribute to manuscript drafting and interpretation of statistical findings
- ✓ Mentor junior analysts in applied biostatistics and reproducible workflows

Kenya Medical Research Institute

Statistician

April 2023 to March 2025

Provided statistical support for infectious disease surveillance and rural health research.

- ✓ Designed and implemented regression models and time to event analyses
- ✓ Conducted disease trend forecasting and risk factor modelling
- ✓ Supported protocol development and sample size estimation
- ✓ Led data management for longitudinal cohort datasets

- ✓ Contributed to peer reviewed publications and technical reports

**JOOUST and VLIRIC Regional Programme
Research Data Manager**

November 2021 to April 2023

- ✓ Managed cross country research databases
- ✓ Developed data quality assurance systems
- ✓ Conducted inferential statistical analysis for applied health research
- ✓ Supported development of study tools and statistical frameworks
- ✓ Trained research teams in statistical methods

LERIS Hub

Research Data Analyst

September 2017 to May 2021

- ✓ Conducted regression analysis and descriptive epidemiology
- ✓ Supported survey design and implementation
- ✓ Managed and cleaned large datasets using R and Stata
- ✓ Produced analytical reports and policy briefs

Lake Region Community Development Initiative

Data Specialist

May 2016 to August 2017

- ✓ Implemented digital data collection systems
- ✓ Conducted statistical summaries and trend analysis
- ✓ Supported reporting and interpretation of findings

CONSULTANCY EXPERIENCE

Technical Lead

Global Fund PMTCT Effectiveness Study, 2024

- ✓ Designed study protocol and statistical framework
- ✓ Led data analysis and interpretation
- ✓ Supported ethics submission and reporting

Lead Consultant

RAS Uptake Study, Dalberg and MMV, 2024

- ✓ Conducted quantitative and qualitative analysis
- ✓ Delivered final analytical report

MEL Consultant

Community Health Dashboards, NEPHAK, 2023

- ✓ Developed automated analytical dashboards
 - ✓ Supported indicator development and monitoring systems
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PUBLICATIONS

- ✓ **Amollo, N. W.**, Ogol, J., Museve, E., Owenga, J. A., Aduda, D. O., & Onguru, D. (2025). Financial Determinants of Effective Hypertension and Diabetes Care in Rural Primary Health Facilities in Kisumu, Kenya: A Mixed-Methods Study.
 - ✓ Mangale, D. I., Adhiambo, H., Adagi, P. A., Nyandieka, E., Abente, B., Achieng, S., ... **Amollo, N. W.**, & Odony, T. A. (2025). Characteristics and mortality risk among esophageal cancer patients with varied HIV status seeking care in western Kenya: A 10-year analysis. (Role: Data manager and analyst) O
 - ✓ Odony, T. A., Adhiambo, H. F., Mangale, D. I., Were, N. A., Nyandieka, E., Adagi, P. A., ... **Amollo, N. W.**, & Atieno, D. (2025). Survival disparities in cervical cancer patients with and without HIV at Jaramogi Oginga Odinga Teaching and Referral Hospital (JOOTRH). (Role: Data manager and analyst)
 - ✓ Ouma, O. J., Omondi, D., Akinyi, I., **Amollo, N. W.**, Onguru, D., Obinge, E., ... van Olmen, J. (2025). Addressing priority gaps in access and quality of NCD services in primary care settings in rural Kenya: A participatory approach to intervention development.
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TECHNICAL SKILLS

- ✓ **Statistical Software:** R, Stata, Python, SPSS
- ✓ **Statistical Methods:** Regression modelling, survival analysis, longitudinal data analysis, epidemiological methods
- ✓ **Data Management:** REDCap, ODK, DHIS2, SQL
- ✓ **Research Outputs:** Statistical analysis plans, manuscripts, technical reports