

Nichodemus Werre Amollo

Data Analyst | Field Data Systems | Quality Assurance | Applied Analytics

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PROFESSIONAL PROFILE

Data analyst with 8+ years of experience building and running survey-based data operations across East Africa, from questionnaire design and mobile tool configuration to field monitoring, data quality checks, and decision-ready reporting. Known for creating simple, reliable SOPs that improve data accuracy, reduce rework, and keep field teams unblocked. Strong in Python and R for analysis and automation, with working SQL and hands-on dashboarding in Power BI/Tableau.

CORE SKILLS

- Survey operations: questionnaire design, sampling support, field agent allocation, piloting, enumerator training
- Mobile data collection: KoboToolbox/ODK, SurveyCTO (workflow design, validation rules, skip logic, versioning)
- Data quality & SOPs: automated checks, outlier rules, back-check tracking, audit trails, issue logs, QA reporting
- Analytics: Python (pandas), R (tidyverse), Stata; SQL (intermediate); descriptive stats, segmentation, trend analysis
- Dashboards & reporting: Power BI, Tableau, Excel; stakeholder-ready summaries and slide decks
- Operations support: support-desk style troubleshooting, documentation, process improvement, training materials

TOOLS & TECHNOLOGY

Python (pandas), R (tidyverse), Stata, SQL (intermediate), Power BI, Tableau, Excel; KoboToolbox/ODK, SurveyCTO, REDCap, DHIS2; Git/GitHub (basic); QGIS (basic)

PROFESSIONAL EXPERIENCE

Lead MEAL & Research Data Analyst (Field Data Systems & QA) | Georgetown University / gui2de (East Africa)

Kenya, Uganda, Tanzania & Rwanda (Remote + field) | Apr 2025 – Present

- Configured and deployed digital survey tools (Kobo/ODK) across multi-country field teams; set validation rules, skip logic, and version control to reduce enumerator errors and missing data.
- Created routine data quality checks aligned to SOPs (range checks, duplicates, completeness, logic consistency); maintained issue logs and daily QA updates for project leads.
- Designed real-time monitoring dashboards (Power BI/Excel) for field performance tracking, improving visibility on response rates, enumerator productivity, and data quality flags.
- Supported field staff through rapid troubleshooting (support-desk style) on device, form, and submission issues, reducing downtime during active data collection windows.
- Developed training materials and delivered refresher sessions for enumerators and supervisors on tool usage, consent workflows, and QA standards.

Senior Data Analyst – Surveillance & Rural Health | Kenya Medical Research Institute (KEMRI)

Nairobi & Western Kenya (Hybrid) | Apr 2023 – Mar 2025

- Managed longitudinal datasets and QA workflows for surveillance sites; improved data reliability through structured cleaning scripts and discrepancy resolution with field teams.
- Built trend and early warning analyses (R/Python/Stata) to support planning decisions; delivered weekly and ad-hoc updates to technical leads and partners.
- Developed reporting dashboards (Tableau/Power BI) that reduced manual reporting time by ~60% by automating indicator refresh and standardizing definitions.
- Partnered with investigators to refine data capture protocols and strengthen audit trails, improving consistency across sites and study rounds.

Senior Research Data Manager (Survey Ops & Process Improvement) | JOOUST & VLIR-UOS Regional Program

Kenya, Uganda & Rwanda | Nov 2021 – Apr 2023

- Led end-to-end survey operations for multi-country projects: questionnaire build, training, piloting, fieldwork monitoring, and daily QA reporting.
- Standardized data quality SOPs and introduced routine checks (completeness, outliers, enumerator variance); reduced rework and improved on-time reporting for partners.
- Produced sampling support materials and field allocation trackers to balance workloads and improve coverage across sites.
- Created training guides and protocols for partners; facilitated capacity-building sessions to improve data discipline and reporting consistency.

Research Data Analyst | LERIS Hub

Kenya/Uganda border regions | Sep 2017 – May 2021

- Designed and supported household surveys and monitoring tools for agriculture and livelihoods programs; ensured fieldwork quality through spot-checks and rapid feedback loops.
- Cleaned and analyzed multi-source datasets (surveys + administrative records); produced evidence briefs and client-ready reports for NGOs and government stakeholders.
- Trained and supervised enumerators on questionnaire administration and data quality standards; maintained documentation to support repeatable data collection cycles.

Data Specialist (Digital Data Collection) | Lake Region CDI

Western Kenya | May 2016 – Aug 2017

- Rolled out mobile data collection tools (ODK/Kobo) for community programs; set up forms, user roles, and data workflows to support timely reporting.
- Improved routine reporting by standardizing data templates and running quality checks before submission to program teams and partners.

SELECT CONSULTING (RELEVANT)

- NEPHAK (2023) – Community Health Dashboards (MEL Consultant): Built automated dashboards visualizing logistics indicators; standardized indicator definitions and QA checks for routine reporting.

- CMMB / Global Fund (2024) – PMTCT Effectiveness Study (Technical Lead): Designed protocol, led analysis and reporting; ensured data quality and reproducibility.
- Dalberg / MMV (2024) – Uptake Study (Lead Consultant): Developed tools and synthesized evidence; produced decision-ready report for stakeholders.

EDUCATION & CERTIFICATIONS

- MSc Epidemiology & Biostatistics (In progress) — JOOUST, Kenya
- BSc Statistics (Honours) — University of Nairobi, 2016
- Selected training: Google Data Analytics; AWS Cloud Practitioner; DataCamp Data Science; Biomedical Research Ethics (CITI); Economic Evaluation (University of Washington)

SELECTED PUBLICATIONS (ABBREVIATED)

- Amollo NW, et al. (2025). Financial determinants of effective hypertension and diabetes care in rural Kenya. (Manuscript).
- Mangale DI, et al. (2025). Characteristics and mortality risk among esophageal cancer patients with varied HIV status: 10-year analysis. (Data manager/analyst).
- Ouma OJ, et al. (2025). Addressing gaps in access and quality of NCD services in rural Kenya: participatory intervention development. (Preprint).