



BERNARD BANDA

DATA ANALYST

PROFESSIONAL PROFILE

Dedicated MPH student specializing in Epidemiology and Biostatistics at Washington University in St. Louis, with proven expertise in data quality, usage, database development, and technical report writing. Skilled in utilizing tools such as DHIS2, SurveyCTO, Excel, Tableau, and R Studio for robust data analysis and visualization. A results-driven professional committed to promoting data-driven decision-making in public health initiatives.

WORK EXPERIENCE

Graduate Research Assistant | Prevention Research Center (Washington University) | December 2023 – Present

- Collaborate with Dr. Amy Eyler to investigate physical activity and environmental factors among the elderly using statistical analysis and field surveys.
- Conducted comprehensive literature reviews, analyzed data sets using SPSS, and consolidated data into a cohesive report, contributing to a research paper.


Graduate Research Assistant | People, Health & Place Unit (Washington University) | January 2024 – Present


- Collaborated with Dr. Rodrigo Reis on the Measure in Spatial Inequities project, which aims to assess spatial inequities in Saint Louis using computer vision and artificial intelligence.
- Conducted literature reviews, rapid reviews, and developed IRB applications
- Supported the engineering team by providing urban structure and planning data for model development, integrating urban planning expertise with technical requirements.
- Assisted in the development of qualitative data collection tools, contributing to the project's methodological robustness and planning.


Data Quality and Use Specialist | John Snow Inc. (JSI) | May 2022 – Present


- Provide technical support on data quality, analysis and use to eight districts
- Support NMCP in providing mentorship to District staff on malaria data quality checks
- Support NMCP and District staff in conducting quarterly analysis of malaria data
- Support NMCP and District staff to follow up and support implementation of ISS&M (Integrated Supportive Supervision and Mentorship) Action plans;
- Support Districts to implement Action plans generated from Malaria District Review meetings;
- Coordinate with other district partners to mobilize support for data management, quality and use priorities.

CONTACT

 (+265) 995 677 054

 b.banda@wustl.edu

 <https://www.linkedin.com/in/bernard-f-banda-b5820066>

 Saint Louis, Missouri

EDUCATION

● Master of Public Health (MPH) Epidemiology & Biostatistics

Washington University in St. Louis –
Missouri, USA
(Pending May 2025)

● Bachelor of Science Degree | Urban Planning

University of Malawi (The Polytechnic) –
Malawi
2008-2012

● Malawi School Certificate of Education (MSCE)

Phwezi Boys Secondary School
2003-2006

RELEVANT SKILLS

- Data Analysis (R, Excel and DHIS2)
- Data Visualization
- Database Development (DHIS2)
- Electronic Survey design (ODK)
- Data Collection (Focus group and personal interviews).
- Team Player and Self-starter

ACHIEVEMENTS / AWARDS

- **Co-founder** - student chapter of the Polytechnic Association of Physical Planning students (PAPPS).
- **Global Health Corps Fellow** - (USA)
- **Dean's Scholarship** - Washington University in Saint Louis

INTERESTS/HOBBIES

- Travelling
- Reading
- Spending time with friends
- Playing Basketball

WORK EXPERIENCE

Database Technical Advisor | ABT Associates | August 2019 – April 2022

- Supported the National Malaria Control Programme (NMCP) with implementing the DHIS-2 IRS database and design M&E system for Indoor Residual Spraying project which will protect about 1.2 million people from Malaria in Mangochi district.
- Backstopped the NMCP and World Vision in tracking and reporting data on all IRS indicators against established targets and objectives.
- Guided the refining of the project Monitoring and Evaluation Plan (MEP).
- Collected, analysed, and presented data to project staff, partners, counterparts, and donors
- Developed Training materials and Built M&E capacity with key stakeholders through training and supportive supervisions.
- Advised the IRS National Coordination Team and District M&E officers on M&E related issues including IRS data analysis, Planning, data quality assurance and End of Spray report writing.

Evaluation and Research Associate | Children's Health Fund (USA) | Jun 2018 – Aug 2019

- Supported the development of a logic model for our Health and Ready to Learn (HRL) program.
- Managed Google Analytics dashboard to track usage of our resource and training center website.
- Developed data collection, entry, and cleaning tools for 26 programs in the CHF National Network to analyze their health program indicators, contributing to data quality improvement.
- Performed statistical analysis for CHF National Network, Healthy and Ready to Learn program, and grant proposals.
- Collaborated with program leadership on capacity building for data management and quality assurance..

M & E Volunteer | Montefiore – Community Pediatric Program | Jun 2018 – Aug 2019

- Supported baseline data aggregation for the Physician Incentive Plan project.
- Modified the diabetes database with dynamic dashboards to ease the interpretation of nutrition data.
- Analyzed child developmental screening data to identify gaps and recommend improvement.
- Facilitated Microsoft Excel workshops for staff capacity building.

WORK EXPERIENCE

Monitoring Evaluation and Learning Officer | PSI Malawi | May 2017 – May 2018

- Supported the development of an M&E Plan for the N'zatonse Phase II Family planning project.
- Conducted data management and capacity-building training for program staff, Community Health Workers, and co-implementing partner organizations in the N'zatonse consortium.
- Managed PSI DHIS2 database, facilitated data collection, and supervised internal routine data entry.
- Conducted onsite and other monitoring visits including periodic Data Quality Assessments (DQAs) internally and externally with consortium partners.
- Oversaw a pilot on DHIS2 database integration with PSI clinic's Electronic Health Records system.

Monitoring Evaluation & Learning Manager | Mary's Meals | Dec 2015 – Apr 2017

- Led the implementation of Mary's Meals Global M&E Strategy 2014-2017 in Malawi.
- Oversaw activities associated with the 5-year longitudinal impact assessment surveys, including recruiting and training enumerators and coding digital surveys using ODK and SurveyCTO.
- Ensured proper documentation of lessons learned and stakeholder feedback.
- Developed and managed program pilot projects, including Handwashing, Nutrition, and Stakeholder Accountability pilot, in collaboration with the Policy Development Officer.
- Spearheaded a digital data collection pilot, leading to the adoption of SurveyCTO for both Malawi and Zambia School Feed Programs.

Monitoring Evaluation and Learning Officer | Mary's Meals | Apr – Nov 2015

- Performed data entry and supported data collection by conducting focus group discussions and interviews with students.
- Developed monitoring tools relevant for MM Malawi fieldwork in collaboration with the MEL Manager, and trained staff on their use.
- Supervised the collection of data and reported on key program indicators (e.g., enrollment, attendance, pass rates).

OTHER EXPERIENCES

1. **Research Assistant:** Goal Malawi - Gender and Climate Change Survey
2. **Household Listing Supervisor:** Social Research and ICAP - Malawi Population-based HIV impact Assessment (MPHIA).
3. **Research Supervisor:** IKI and International Food Policy Research Institute (IFPRI); Africa Research in Sustainable Intensification for the Next Generation (Africa RISING - AR) baseline evaluation survey.
4. **Research Supervisor:** IKI and Ministry of Education Science and Technology (MOEST) and the World Bank; Impact Evaluation of Malawi's Secondary School Bursary program.
5. **Enumerator:** IKI and University of Pennsylvania; Malawi Longitudinal Study of Families and Health (MLSFH) surveys.
6. **Enumerator:** IKI and National Aids Commission (NAC); Malawi Secondary School Bursary Mapping Exercise.