

Kananura Rornald Muhumuza

London WC1N

r.m.kananura@lse.ac.uk - +447576682644

Rornald is a population health researcher with a background of economics and statistics. He has an experience of at least 9 years in health implementation research. Rornald has experience in designing and implementing M&E systems, which he has gained through leading numerous interventions. He is now pursuing his PhD in Demography at London School of Economics and Political Science with a focus on Child Health and Survival in Uganda. He has skills in both quantitative and qualitative data analysis using modern software such as R and Nvivo. He is also skilled in generating research products that inform appropriate decision-making.

WORK EXPERIENCE

Study Coordinator (co-investigator Value of a Statistical Life Study)

Makerere University School of Public Health - Kampala, UG -

February 2017 to August 2017

This study was conducted by Makerere University School of Public Health (MAKSPH) in partnership with University of North Carolina at Chapel Hill (UNC). The study objectives were to 1) rank citizens preferences for resource allocation across different sectors, including the health sector; 2) compare citizen preferences to actual government expenditures across sectors; and 3) estimate the economic value of a statistical life (VSL).

Key responsibilities included but not limited to:

- Coordinated and oversaw data collection and management activities
- Led the development of the study protocol
- Supported data quality improvement and data use activities including implementation
- Oversaw implementation of data collection, collation, and submission of data reports
- Ensured that errors and miss-representation of data is minimized or eliminated at all levels

Study Coordinator (co-investigator Decades of Vaccine Economics Study)

Makarere University School of Public Health - Kampala, UG -

January 2016 to August 2017

This study was implemented by Makerere University School of Public health, Kampala, Uganda and John Hopkins University School of Public Health, Baltimore USA with financial support from Bill Gates and Melinda Foundation. The study is collecting data on the burden of immunizable diseases at health facility and household level.

Key responsibilities included but not limited to: -

- Coordinated and oversaw DOVE IV data collection and management activities
- Led the development of the study protocol
- Supported data quality improvement and data use activities including implementation
- Oversaw implementation of data collection, collation, and submission of data reports

- Managed the monitoring and evaluation process for the project, including ensuring complete reporting of all data as per the study objectives
- Documented and provided feedback to the study team about any existing gaps in the data, inconsistencies and errors therein for rectification and prevention in future
- Developed an analysis plan for the routinely generated data for the Study and help in interpreting results to different stakeholders the district leadership, lower level local leaders and the community in general.
- Ensured that errors and miss-representation of data is minimized or eliminated at all levels
- Conducted regular data quality checks and ensures that the study team attends to inconsistencies appropriately.
- Ensured timely production of preliminary and final results of each data collection round.
- Participated in scientific writing and packaging of the research output for dissemination in different forum of stakeholders.
- Supervised of data entry clerks and filing clerks
- Oversaw data security, storage, backup and archiving procedures
- Ensured that appropriate data quality assurance procedures or guidelines are up to date and are observed at all times
- Led the design and implementation of data entry screens and all needed programs
- Ensured safe custody of both manual and digital data collected and institute quality checks in data being collected from respondents

Monitoring and Evaluation Specialist study (co-investigator Maternal and newborn Study)

Makarere University - Kampala, UG -

February 2011 to December 2015

This study was funded by DFID through Comic Relief. The study was implemented in the three districts of eastern Uganda with the aim of reducing maternal and newborn deaths in these communities.

Key responsibilities include but not limited to: -

- Coordinated with project research team and other district stakeholders (district health office, health workers, community health workers, and research component leaders) to gather data.
- Established a reliable and consistent set of Outcome Indicators for all program activities as well as developing wide core set of indicators.
- Regularly reviewed and improved the M&E system by seeking stakeholder inputs and through consultations with practitioners in other organizations.
- Prepared terms of reference for external monitoring and evaluation consultancies
- Acted as a focal person for communication, coordinating information and documentation of best practices for internal and external sharing.
- Developed Evaluation protocols for institutional review board
- Prepared policy briefs and manuscripts for publication on topical health systems issues
- Coordinated the implementation of baseline surveys, follow-on monitoring and evaluation exercises for various initiatives.
- Developed program and operational reporting templates that facilitate the acquisition and aggregation of information in programs.
- Developed systematic and realistic monitoring plans that captured quantitative and qualitative data to report on project performance indicators.
- Presented research results in international and national conferences

Health Monitoring and Evaluation Specialist

GIZ/UNHCR-partnership Southwestern refugee settlement camps, Mbarara, Uganda Specialist

- Kampala Uganda -

January 2009 to January 2011

I was responsible for generating a health monitoring and evaluation system in refugee settlement sites in Uganda. My specific accomplishments were;

- Developed Monitoring and Evaluation Plans for the strengthening health systems in refugee settlement camps.
- Developed health information system
- Carried out data collection, analysis and provision of appropriate feedback to various Sectors.
- Ensured submission of reports to relevant authorities/agencies with strict adherence to deadlines
- Supported Sector heads on high-quality data collection, storage, and data analysis to enhance evidence-based decision-making.
- Carried out assessment/Surveys and research to enhance evidence-based services program. The survey included: WASH, HIV behavioral, and maternal health
- Developed program and operational reporting templates that facilitate the acquisition and aggregation of information in programs.
- Coordinated partnerships for independent, external assessments to attain good quality, third-party evaluation studies.
- Coordinated, developed and facilitated training materials and presentations for capacity building of health sector staff.
- Participated in the project proposal development, management of project resources including staff, vehicles, and finances.

EDUCATION

MPhil/PhD Candidate in Demography and Population Studies

London School of Economics and Political Science - London

September 2017 to September 2021

Master of Science in Quantitative Economics

Makerere University - Kampala, UG

2014 to 2016

Postgraduate Diploma in Monitoring and Evaluation

Uganda Management Institute - Kampala, UG

2013 to 2014

Bachelor in Economics and Statistics

Kyambogo University - Kampala, UG

2005 to 2008

SKILLS

Quantitative data Analysis (STATA, R, Ms Excel), Qualitative Data Analysis (Nvivo, Manual), Survey design and Management (KoboToolBox, Epiinfo, Open Data kit, Ms Access), Implementation Research/Science, Publication, report writing, dissemination

LINKS

<https://orcid.org/0000-0002-9915-1989>

AWARDS

PhD Studentship

April 2017

PhD Scholarship at London School of Economics

Improving referral transport for rural pregnant women

January 2017

Received 30,000 USD from USAID to implement a transport and community-saving initiative model that was aimed at improving referral and birth preparedness for pregnant women in rural communities in Uganda.

Improving survival for high risk babies and mothers

June 2017

Received 550,000 Pounds from Comic Relief to implement a maternal and newborn project targeting high risk groups and areas in Eastern Uganda.

PUBLICATIONS

Persisting demand and supply gap for maternal and newborn care in eastern Uganda: a mixed-method cross-sectional study

<https://doi.org/10.1186/s12978-017-0402-6>

October 2017

Assessing the changes in health system readiness to respond to demand for maternal and newborn services in Uganda

Balancing the cost of leaving with the cost of living: drivers of long-term retention of health workers: an explorative study in three rural districts in Eastern Uganda

<http://dx.doi.org/10.1080/16549716.2017.1345494>

August 2017

understanding the retention of health workers in Uganda

Characteristics of community savings groups in rural Eastern Uganda: opportunities for improving access to maternal health services

<https://doi.org/10.1080/16549716.2017.1347363>

August 2017

Understanding the community-saving groups in Uganda and how they could be used to facilitate birth preparedness and transport to the health facilities

Effect of a participatory multisectoral maternal and newborn intervention on birth preparedness and knowledge of maternal and newborn danger signs among women in Eastern Uganda: a quasi-experiment study

<http://dx.doi.org/10.1080/16549716.2017.1362826>

August 2017

Evaluating the effect of implementation study in improving the birth preparedness and knowledge of danger signs for maternal and newborns in Uganda

Effect of a participatory multisectoral maternal and newborn intervention on maternal health service utilization and newborn care practices: a quasi-experimental study in three rural Ugandan districts

<http://dx.doi.org/10.1080/16549716.2017.1363506>

August 2017

Evaluating the effect of intervention implementation on increased maternal and newborn service utilization and care

Effect of support supervision on maternal and newborn health services and practices in Rural Eastern Uganda

<http://dx.doi.org/10.1080/16549716.2017.1345496>

August 2017

Evaluating the effect of intervention on health care practices in health facilities of Uganda

Maternal and neonatal implementation for equitable systems. A study design paper

<http://dx.doi.org/10.1080/16549716.2017.1346925>

August 2017

Study Implementation protocol on Maternal and newborn health

Working with community health workers to improve maternal and newborn health outcomes: implementation and scale-up lessons from eastern Uganda

<http://dx.doi.org/10.1080/16549716.2017.1345495>

August 2017

Assessing the role of community health workers in improving maternal and newborn health services in Uganda

'Nurture the sprouting bud; do not uproot it'. Using saving groups to save for maternal and newborn health: lessons from rural Eastern Uganda

<http://dx.doi.org/10.1080/16549716.2017.1347311>

August 2017

Understanding the role of community-saving groups in improving birth preparedness among rural women residents

A structural equation analysis on the relationship between maternal health services utilization and newborn health outcomes: a cross-sectional study in Eastern Uganda

<https://doi.org/10.1186/s12884-017-1289-5>

March 2017

Assessing the pathway for newborn death in rural communities of Uganda

A cascade model of mentorship for frontline health workers in rural health facilities in Eastern Uganda: processes, achievements and lessons

<http://www.tandfonline.com/doi/full/10.1080/16549716.2017.1345497>

August 2017

The neonatal mortality and its determinants in rural communities of Eastern Uganda

<https://doi.org/10.1186/s12978-016-0119-y>

February 2016

assess the causes of neonatal deaths in Rural Communities of Uganda

Evaluation of a health systems knowledge translation network for Africa (KTNET): a study protocol

<https://doi.org/10.1186/s13012-014-0170-4>

Participatory monitoring and evaluation approaches that influence decision-making: lessons from a maternal and newborn study in Eastern Uganda

<https://health-policy-systems.biomedcentral.com/articles/10.1186/s12961-017-0274-9>

December 2017

The paper shares experience on the use of participatory monitoring evaluation approaches that were used to influence decision making and implementation in for a maternal and newborn project that was implemented in Eastern Uganda

Gender dynamics affecting maternal health and health care access and use in Uganda

https://academic.oup.com/heapol/article/32/suppl_5/v13/4718137

December 2017

The paper is about gender norms that affect the health system using maternal and newborn data for a study that was implemented in Eastern Uganda

ADDITIONAL INFORMATION

Summary of technical skills

- Experience in designing and implementing monitoring and Evaluation System for both experimental and non-experimental studies
- Strong quantitative analysis skills with proven ability to work with data software packages such as Epiinfo, Epidata, SPSS, STATA, Excel and Eviews
- Strong skills in qualitative data collection and analysis with the ability to use qualitative data software such as ATLAS and NVivo.
- Strong skills in data modeling for evaluation studies (Difference in difference or treatment analysis, Propensity Score matching, and other multivariate and multilevel regression techniques).
- Strong skills in survey designs and sampling technology
- Experience in using participatory action research methodologies such as; theory of change, Most Significant Change, Participatory Impact Pathway (PIPA) among others
- Experience in using system dynamics tools such as Vensim
- Experience in database design and data management using Ms SQL server, MySQL, DHIS2, Ms access, Excel, Epiinfo and Epidata
- Experience in developing research protocols
- Experience in program design and proposal writing
- Coordination and networking abilities
- Excellent communication, interpersonal skills, good leadership, and supervisory skills