

## SOPHIA A. KAGOYE, MD MSc.

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### EDUCATION

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<b>PhD candidate</b> Catholic University of Health and Allied Sciences	<b>Ongoing</b>
<b>MSc Epidemiology &amp; Applied Biostatistics</b> Kilimanjaro Christian Medical University College. <i>Kilimanjaro, Tanzania.</i> <b>Focus:</b> Unmet need for modern contraception among Adolescent girls and young women in Tanzania.	<b>September 2020</b>
<b>Degree of Doctor of Medicine</b> Kilimanjaro Christian Medical University College. <i>Kilimanjaro, Tanzania</i>	<b>August 2014</b>
<b>Advanced Certificate of Secondary Education</b> Kilakala Secondary School. <i>Morogoro, Tanzania.</i>	<b>February 2009</b>
<b>Ordinary Level Secondary School Education</b> St. Francis Girls' Secondary School. <i>Mbeya, Tanzania</i>	<b>October 2006</b>

### WORK EXPERIENCE

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**Research Scientist** **October 2020-Present**  
National Institute for Medical Research, *Mwanza & University of Manitoba, Canada*

**Project:** TAZAMA Project

I am responsible to coordinate and lead the community-based survey of women of reproductive age in Magu district conducted to assess the impact and coverage of Reproductive, Maternal, Neonatal, Child and Adolescent Health (RMNCAH) services at a district level. My main activities included the following:

- Designing an electronic data collection tool using CSPro capturing information on coverage of key maternal and child health interventions, neonatal and child mortality
- To develop standard operating procedures (SOPs) for data collection, training of field supervisors, research assistants on data collection tool and data collection process
- Tracking and assessing quality and completeness of data collected in real time and immediately raising potential concerns with field supervisors.
- In collaboration with Senior Technical Advisor, provide technical support to sites on survey implementation, data management and development of an analysis plan of the survey data.
- Performing data triangulation using Epidemiological sero-survey data from Kisesa Health and demographic surveillance site in Magu district, routine reported health data from the local health facilities (DHIS-2) and Demographic Surveillance data in order

to improve the measurement of maternal, peri-natal and child health services utilization in Magu.

- Provide weekly reports, donor reports and oral presentations of survey findings

**Data management and analysis consultancy**

**January – July 2020**

Department of Psychiatry, Makerere University

**Projects:**

1. The prevalence and associated factors of reported interpersonal violence against adult psychiatric out-patients receiving mental healthcare at Butabika Hospital, Uganda
2. Prevalence and factors associated with substance use among HIV positive youth attending HIV care and treatment centers in Dodoma, Tanzania
3. Prevalence and factors associated with opioid use disorder among adolescents with chronic pain at Butabika Hospital, Uganda

**Main activities:**

- Study designing & creation of an electronic data collection tool using Epi Info
- Data tracking, extraction, cleaning and creation of final dataset
- Developing an analysis plan basing on the study objectives
- Performing simple and complex data analysis basing on the analysis plan
- Presentation of study findings in written reports.

**Monitoring and Evaluation Officer**

**September – November 2019**

John Hopkins Program for International Education in Gynecology. (Jhpiego), *Dar es salaam* & National Institute of Medical Research

**Project:** SAUTI Project, STI PPT study

I worked in an interventional study to evaluate the Presumptive periodic treatment (PPT) of Sexually Transmitted Infections among high-risk populations including men who have sex with men (MSM), female sex workers (FSW) and mining populations in Tanzania. Key activities included:

- Review of project data, both paper and electronic based, including the generation of queries for missing and discrepant data.
- Performing descriptive and advanced data analysis basing on the analysis plan
- Scientific paper writing, and scientific paper review
- Presentation of study findings in written reports and oral presentations

**Monitoring and Evaluation & Medical Advisory**

**January 2017-September 2018**

Resolution Insurance Company Tanzania, *Dar es salaam*

- Provided leadership and technical direction to develop, implement and monitor services provision at the clinical and community level
- Developed systems to monitor the implementation of the work plan, budget and achievements against targets.
- Endorsed new and existing policies, did risk assessment and provided relevant recommendations in terms of premiums charged, clients' acceptance and declines.
- Prepared and analyzed corporate clients' disease trend reports and loss ratio reports and gave appropriate recommendations during an ongoing policy period.

- Conducted and facilitated on community health education through health talk presentations to corporate clients (depending on the disease trend reports) for health awareness and emphasized more on preventive measures.
- Oversaw the design and implementation of community Health Screening Programmes, designed relevant Preventive Programmes and interventions on reproductive health, HIV and non-communicable diseases.
- Developed & Implemented Innovative wellness products and adopted them for health awareness

**Medical Doctor**

**October 2015-December 2016**

Foundation of African Medicine and Education (FAME Medical). *Karatu, Tanzania.*

- Performed day to day general medical practice among the less privileged Tanzanian societies and the Maasai communities.
- Conducted an outreach Clinic in the Maasai, Iraqi and the Mbulu communities
- Designed, implemented and monitored community-based sexual and reproductive health programs among adolescents and young adults in the Maasai, Iraqi and the Mbulu community focusing on sexual and reproductive health education through regular health talks, dramas, posters, management of cases and referral of complicated cases.
- Trained community health workers on sexual and reproductive health program
- Designed, implemented and monitored community-based preventive services program among the residents on Tuberculosis, HIV, Infectious diseases control and management
- Coordinated and Participated first hand in Continuous Medical Education presentations
- Did case studies and case reports on cases affecting the communities

**Intern Doctor**

**October 2014- October 2015**

Kilimanjaro Christian Medical Centre. *Kilimanjaro, Tanzania.*

- Conducted day to day duties as a medical doctor (inpatient & outpatient) under supervision.
- Participated in educative sessions in the departments, Clinical Conferences and Academic Forums

**Field Coordinator & Tutor- Professional DTMH**

**September-December 2013**

London School of Hygiene and Tropical Medicine & Kilimanjaro Christian Medical University College.

Coordinated a rural field placement in Professional Diploma of Tropical Medicine:

- Coordinated site visits to the Kilimanjaro Clinical Research Institute with special focus on laboratory operations on Malaria and Tuberculosis research
- Assisted in data collection from questionnaire setting, coordinating individual questionnaires and focus group discussions.
- Assisted in report writing

### **Community Health Volunteer**

**May-July 2013**

North Tyneside General Hospital. *Newcastle, United Kingdom*

- Assisted in community engagement programs providing services and information to young people in the communities on reproductive health, physical health and mental health

### **TEACHING EXPERIENCE**

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#### **Kilimanjaro Christian Medical University College**

**January 2020-June 2020**

- Co-Supervisor, Medical Students research Project  
Title: Prevalence and Factors associated with Modern contraceptive use among adolescent girls in Katavi region, Tanzania

### **PROFESSIONAL TRAINING (DEVELOPMENT)**

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#### ***Seminar or Workshop:***

- Fundamentals in Monitoring & Evaluation - Global Health e-learning Course (USAID & John Hopkins Bloomberg School of Public Health)
- Data Quality & Management - Global Health e-learning Course (USAID & John Hopkins Bloomberg School of Public Health)
- Research Ethics - Kilimanjaro Christian Medical University College, National Institute for Medical Research Tanzania (NIMR), Tanzania Food & Drug Authority, Moshi (Tanzania)
- Methods of Data Management with Software Application - Kilimanjaro Christian Medical University College, Moshi (Tanzania)

### **HONORS AND AWARDS**

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#### **Overall best finalist in MSc. Epidemiology and Applied Biostatistics Year 2020**

Kilimanjaro Christian Medical University College

#### **Merit Scholarship Award from Wellcome Trust**

**October 2018-September 2020**

Funded by the Wellcome Trust, through the DELTAS Africa programme (Developing Excellence in Leadership, Training and Science) and Sub-Saharan Africa Consortium for Advanced Biostatistics Training (SSACAB), I was awarded an opportunity to develop and excel my career as a medical doctor and a researcher through nurturing my background with advanced biostatistical skills and expertise.

### **ACADEMIC PRESENTATIONS**

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2020 DELTAS Africa SSACAB Virtual Scientific Conference- October 2020

**Topic-** Trends and determinants of changes in unmet need for modern contraception among adolescent girls and young women in Tanzania, 2004-2016

### **COMMUNITY SERVICE**

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- Health screening programs and health education (Diabetes, Hypertension, HIV, Cervical Cancer screening, Breast cancer screening, Menstrual hygiene)
- Community Engagement volunteer Program Officer on Covid-19 Awareness and Prevention strategies in Moshi Municipal

## LANGUAGES

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**Swahili:** Mother tongue

**English:** Fluent speaking & writing

## TECHNICAL SKILLS

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Microsoft Office Suites, Statistical Packages (STATA, SPSS, R), Data visualization, Questionnaire designing, Database creation (using MS Access, STATA, SPSS), Electronic data collection software (CSPRO, ODK, Epi Info, Kobo, Survey CTO), Health system softwares (DHIS-2, HIMS, CTC-2, CTC-3).

## REFERENCES

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**Dr. Michael Johnson Mahande**

Director of Quality Control

Head of Department, Epidemiology and Applied Biostatistics

Kilimanjaro Christian Medical University College (KCMUCo)

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**Baltazar Mtenga**

Senior Programmer/Data Manager

Head of Data Management Unit,

National Institute for Medical Research Mwanza

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**Prof Jim Todd**

Professor, Biostatistics

London School of Hygiene and Tropical Medicine & KCMUCo

TAZAMA Project Senior Technical Advisor

National Institute for Medical Research Mwanza

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