

PROFILE:

Name: Alpha Umaru Bai-Sesay

Specialty: Field Epidemiologist and Public Health Informatician with strong M&E acumen

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Alpha Umaru has over seven years of experience in Public Health Promotion, Community Mobilization, Disease Surveillance and Prevention, Research, Monitoring, Evaluation, and Program Management.

He is a Senior Public Health Superintendent who worked as a Field Epidemiologist and Infection Prevention and Control Technical Officer with the Falaba District Health Management Team.

He has a Bachelor's degree in Public Health, FETP-Intermediate, MPH-Health Informatics, MBA-Hospital Administration and Health Care Management, and also a final year student for the MSc. Infection Prevention and Control Program at the University of Dundee. Alpha Umaru has excellent computer skills (MS Word, Excel, PowerPoint, Epi-Info, QGIS, SPSS, STATA, SAS or R & Outlook).

He has been able to strengthen his leadership, research, and statistical abilities with the required pieces of training from a variety of research work in school and through collaboration with non-profit organizations.

Alpha Umaru has had the opportunity to do an oral presentation at a scientific conference. With this background, he wishes to become a leading Public Health professional and change-maker, focusing on epidemiological research, health system strengthening, and management in volatile communities.

A quarter of research activities and ongoing write-up for publication

- Falaba District Measles Surveillance Data Analysis 2021 (**Author**)
- Falaba District Measles Surveillance System Evaluation 2021 (**Author**)
- Measles outbreak Investigation in Delmandugu Chiefdom, Falaba District 2022 (**Author and abstract accepted and presented at a scientific conference**)
- A community cross-sectional study on Covid-19 vaccine hesitancy in Slum and on-Slum communities in Freetown Sierra Leone 2022 (**Co-author and on review for publication**)
- Epidemiologic Characteristics and predisposing factors to Measles, Sierra Leone 2017-2022 (**Author and on final review for publication**)

Education

Njala University, Sierra Leone.

- **Bachelor of Science (Honors) in Public Health** Sept. 2011 - Oct. 2015.
- **MPH-Health Informatics**, Sep. 2019 - Sept. 2021

John Hopkin University via Coursera. April. 2020 – sept. 2020. **PG. Cert. Epidemiology in Public Health Practice.**

Dr. D. Y. Patil Vidyapeeth Pune, Centre for Online Learning, July 2020 - July 2022. **MBA-Hospital Administration and Healthcare Management.**

Sierra Leone Field Epidemiology Training Program, Dec. 2021–Sept. 2022. **Field Epidemiologist Intermediate.**

University of Dundee: Sep. 2021 – Sept. 2023. **MSc. Infection Prevention and Control (Distance).**

The University of Washington

- **PG. Cert. Monitoring and Evaluation in Global Health**, Jan – March 2023
- **PG. Cert. Introduction to Epidemiology for Global Health**, Jan – March 2023

MPH-Health Informatics: The ability of accountable care organizations and the health system to improve health outcomes at a lower cost is dependent on expertise in health information management and use, including electronic medical records. The **MPH in Public Health Informatics** program trains professionals in the systematic application of information technology to public health practice research, and education.

The MBA - Hospital Administration and Healthcare Management Course covers, the fundamentals of Healthcare Administration, Medico-Legal Issues, Conflict Management, Healthcare Policies & Regulations, Hospital Enterprises Management, Quality Assurance, Healthcare Economics, Healthcare Legislation, Financial Management, Human Resource Management, Operations Management, Management of Hospitals, Healthcare Planning, Administration of Hospital, Health Management, Hospital Safety & Risk Management, and many more.

MSc. Infection Prevention and Control: Designed to meet the needs of healthcare professionals and nurses working anywhere in the world, whether you're relatively new to infection prevention and control or have just moved into a leadership role. One of the many topics covered in the course are applied microbiology, decontamination, antimicrobial resistance antimicrobial stewardship, infection prevention, and control practice, risk, and patient safety.

WORK EXPERIENCE

District Public Health Emergency Planning Officer - Falaba District Health Management Team, Ministry of Health & Sanitation (MoHS) Sierra Leone (<https://mohs.gov.sl/>). June 2021 – To Date.

- Supervises employees, assigns and reviews work, trains employees, and holds regular staff meetings to coordinate work plan goals and monitor progress.
- Coordinates, plans, and executes public health-related emergency preparedness and response training, disaster drills, and exercises with applicable, Non-Governmental Non-Governmental Organizations Partners involved in public health emergency preparedness and response, and the general public.
- Creates district response plan budget, work plan, and amendments with the help of other department divisions and units.
- Monitors grant and expenditure compliance; processes requisitions; prepares periodic grant financial progress reports; assists staff in grant report preparation.
- Represents the public health emergency response effort at the district level and attends meetings with disease prevention partners.
- During an emergency response, provides technical assistance and advice on roles and responsibilities to department staff.

Field Epidemiologist and infection Prevention and Control/WASH Technical Officer, Falaba District Health Management Team). Ministry of Health & Sanitation (MoHS) Sierra Leone (<https://mohs.gov.sl/>). August. 2019 – To Date.

- Hold district-level discussions on IPC and WASH as well as contribute to review of standard operating procedures and training manuals for IPC, as needed
- Quarterly assessments on status of IPC implementation in assigned PHUs and use findings to identify gaps and develop quality improvement plans accordingly
- Outbreak investigations through active and passive case search for notifiable disease
- Collect and analyze data obtained from interviews, surveys, and sample tests to determine the cause of a health problem
- Traveling to sites to research, observe and study the outbreak and spread of infectious diseases
- Interacting with people to collect disease-related data through field research, observation, questionnaires and studies
- Organize programs to educate the public on ways to prevent disease contamination and spread
- Utilize specialized statistical computer software in analyzing and interpreting epidemiological data
- District health planning, including community participation, local government, and intersectoral coordination and collaboration in the implementation of Primary Health Care Services.
- District health administration and the management of all community health programs.
- Organizing surveillance for healthcare-associated infections, providing advice and leadership in outbreak investigation, developing and delivering training on IPC to healthcare workers, Auditing the quality and effectiveness of healthcare facility environmental cleaning, Auditing the quality and effectiveness of disinfection and sterilization practices, and Implementing local, national or international best-practice guidelines for the prevention of infection transmission in clinical care.
- Facilitate Cross Border Surveillance meetings
- Provide strategic and technical leadership on improving Surveillance activities in line with IDSR strategy

Project Monitoring and Evaluation Officer, CARE International Sierra Leone (www.careinternational.org) October 2018 – to June 2019.

- Providing technical guidance to implementing partners on the implementation of healthcare activities 2. Working with sub-grantees, district leaders, and other community groups to ensure the proper implementation of the sustaining health facility improvement project,
- Coordinate district maintenance and preventive maintenance meetings regularly to review the health facilities' maintenance and preventive maintenance issues

- Lead and guide the implementation of the project-related training and data quality management activities in line with the project strategy, objective, and activity plan
- Collaborating with the district leaders in adapting existing and developing new training curricula on maintenance and preventive maintenance activities
- Providing technical leadership and support for monitoring
- Data collection and knowledge management of the project and monitoring and evaluating of the annual work plan, and expected outputs, including selecting and monitoring progress in meeting indicators.

Monitoring, Evaluation, Accountability, and Learning Assistant, Save the Children International-Sierra Leone (savethechildren.org)

September 2016 – September 2018.

- Conducting community visits, and focus group discussions with beneficiaries and non-beneficiaries to receive feedback on project activities
- Collection of data needed for project output and outcome and development of MEAL packages for the project
- Support the Project MEAL coordinator and Project Managers with conducting assessments as needed
- Supporting project field staff to ensure projects are carried out with participation from all affected communities (including children) and shared the information with affected communities
- Lead on data entry and management related to the project (beneficiary data, distribution plans, distributions reports, and post-distribution monitoring data) and ensures all relevant documentation is properly managed.
- Ensure the documentation of program learning outcomes (case studies, photos, lessons learned, etc.) with the effective information management system
- Participate in the documentation and dissemination of this learning to ensure that good practice is understood and adopted and information exchanged

Health Promotion Officer, International Medical Corps Sierra Leone (<https://internationalmedicalcorps.org/>) Sep. 2014 - May 2016.

- Focal point for training rollout to Village development committee, Community Health Workers, Psychosocial support groups, and facility management committee in unison with Peripheral Health Unit staff and identifying key informants, stakeholders in operational communities, and organizing community-level behavior change communication activities.
- Focal point for the daily monitoring/supervision of the organization's Social Behavior Change activities and organization of weekly health sessions for community health workers with emphasis on the IDSR-targeted diseases.
- Focal point for networking with key stakeholders to ease project implementation.
- Focal support point in the planning, strategy conception, and new program design processes. 5. Focal point for the identification of training needs in communities and Public Health Units. The focal point for the rollout of training on emergency preparedness.
- Focal point for the preparation of an outbreak preparedness plan showing trigger measures, communication, and community coordination reporting to the nearest PHU.

Extracurricular Interests

Epidemiological and Social Research / Fieldwork, Charity/volunteer work, soccer, Gardening / Farming

References

Available upon request