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PROFESSIONAL EXPERIENCE

Sep 2023 – current

7-1-7 CONSULTANT, Resolve to Save Lives, Monrovia, Liberia

- Support the validation and adoption of 7-1-7 as a quality improvement metric within NPHIL.
- Attend technical advisory calls with RTSL to discuss the progress of 7-1-7 in Liberia. (Once a month for one hour or bi-weekly for 30 minutes, additional check-ins should be set up as needed)
- Provide high-level once-a-month reports on key activities and milestones related to 7-1-7.
- Collaborate with RTSL on data products such as epi bulletins which reflect 7-1-7 metrics and influence quality improvement actions.
- Collaborate with RTSL and the 7-1-7 champion on quality improvement of response activities such as RRT trainings.
- Ensure 7-1-7 findings are included in national operational plans and NAPHS planning.
- Perform any related tasks relevant to increasing the impact of 7-1-7 implementation in Liberia

Feb 27 – Apr 2023

ZERO DOSE CONSULTANT, Jhpiego Corporation, Monrovia, Liberia

- Facilitate and coordinate meetings with key stakeholders, including MoH, Gavi, and/or other implementing partners;
- Help consolidate reviews, evaluations, and existing datasets from MoH, Gavi, and other partners;
- Review and perform data analyses to answer all key analytical questions related to zero-dose children and under-immunized communities;
- Identify coverage gaps, identify key underlying causes, and propose adequate plan of action;
- Facilitate appropriate data collection activities where needed, that may include interviews, group discussions, or workshops, using human-centered design principles
- Facilitate workshops to gain consensus among stakeholders on ideas/solutions that address challenges
- Develop a strategic roadmap that highlights new approaches and interventions for improvement in immunization (service delivery, demand generation, and data systems strengthening) that will lead to reaching zero- dose, missed communities, and under-immunized children
- Lead development of a country-specific EAF proposal in consultation with MOH, Gavi, Jhpiego, and/or other implementing partners

- Perform any related tasks assessed by Country Director or Technical Director.

Feb 2022 – 2023

TDR FELLOW, Infectious Diseases Data Observatory, University of Oxford, Oxford, UK

- Perform tasks in data collection, standardization, and management on COVID-19 and Ebola projects
- Use a statistical application to perform individual patient data meta-analysis
- Review ethical, governance, regulatory, communication, and project management aspects of implementing studies focused on clinical data analysis
- Support soft skills required for leading international scientific projects

Mar – Dec 2021

DATA SAFETY CONSULTANT, African Field Epidemiology Network, Monrovia, Liberia

- Support the safety monitoring of nOPV2 by working with Ministries of Health, GPEI, and other partners to ensure implementation of AESI surveillance guidelines, including:
 - Organizing and leading workshops with key stakeholders to adapt the AESI guidelines to the country context
 - Training of surveillance officers and other designated staff to recognize and report AEFI and AESI
 - Working with EPI, polio, and regulatory groups in country to conduct supportive supervisory visits of surveillance officers in the field to ensure they are equipped with the knowledge, skills, capacity, and support required to operationalize AESI surveillance
 - Participating in the field testing of data collection tools (questionnaires, data extraction forms, focus group discussion guides) to support their refinement
 - Facilitate appropriate Ethical Review clearance processes if needed
 - Communicating regularly with the relevant stakeholders as necessary to clarify issues and provide progress updates.
- Support management and analysis of AESI and AEFI data for identification of safety signals
 - Supervising AESI data collection, entry, and management
 - Ensuring quality data through supportive supervision, data quality checks, and cleaning of data.
 - Working with in-country partners (EPI, FDA, others) to conduct analyses of AESI and AEFI data with support from US CDC
- Support functionality of country causality assessment committee
 - Organizing trainings on nOPV2 and causality assessment processes as needed
 - Facilitating communication of relevant AEFI and AESI data to the committee to ensure timely causality assessment determinations.
 - Facilitating external support for causality assessment as requested by the committee
- Support country preparedness to respond to a vaccine-related event (VRE)

- Organizing and leading workshops with key stakeholders to adapt the global VRE response plan template to the country context
- Supporting country implementation of VRE response plan if/when a vaccine-related event occurs
- Provide final country specific AESI reports to MoHs and GPEI partners
- Perform other immunization safety-related activities as needed to support nOPV2 delivery and monitoring. Examples would include but not be limited to:
 - Conducting operational research to evaluate the implementation of AESI surveillance
- Perform other duties as assigned that are directly related to this position.

2016 – current

DATA MANAGER/LEAD, Infectious Disease and Epidemiology Division, NPHIL, Liberia

- Assesses data received from the county level to ensure that submissions are complete and timely
- Establishes data quality standards and data collection techniques for reporting
- Performs and documents procedures for data preparation, including data cleaning, standardization, and analysis
- Identifies issues with data quality, responds, and provides feedback to the sub-national level
- Determines data needed to be collected and the appropriate data resources for specific health data projects
- Formulates, implements and enforces proper data collection policies and procedures
- Conduct data training on data collection tools and equipment and supports the development of electronic surveillance tools
- Maintains and updates the Integrated Disease Surveillance and Response database
- Ensures the Integrated Disease Surveillance and Response data system adheres to MoH interoperability standards
- Ensures data are in the correct format for case classification and manage the merge of IDSR and Lab datasets
- Identify and address duplicate cases and develop lists of cases for follow up
- Calculate the necessary programmatic indicators and address cases and lab results that are not able to be linked, as well as strengthen interoperability
- Ensures that monitoring of priority disease and health conditions trends is conducted at the national level
- Supports the risk communication efforts in preparing advocacy tools using the IDSR routine coverage and IDSR disease trends with a focus on poor-performing counties and districts
- Supports the IDSR quarterly review meeting and ensures smooth preparation and conduct of routine data reviews as well as production of situational reports during humanitarian crises and or infectious disease events
- Ensures privacy standards so that all data is secure and private

- Enforces the confidentiality of IDSR data and ensures it is being adhered to at the national level
- Ensures data visualization is enhanced to support the development of the weekly and quarterly epidemiological bulletins
- Provide technical support to counties for data requests and to EOC/IMS for ad-hoc data requests
- Develops ad-hoc reports as necessary and provides necessary data to IHR focal point in a timely manner
- Presents data at conferences and meetings where needed and shares data with other MoH units as needed
- Ensures the proper transmittal of data to reporting systems and supports and encourages all DIDE teams to use templates to generate data for their respective working groups
- Support the development and maintenance of data dashboards and collaborates with the HMIS Unit on data surveillance, taking indicators into account
- Works with labs so that their information is updated and connected to cases on a routine basis.
- Coordinates monitoring of EPI routine coverage trends and surveillance system at this level with the main emphasis on routine immunization, surveillance, and SIAs
- Maintains active collaboration with the National EPI surveillance team to provide data as required
- Fosters relationships with other MoH units and line ministries that have an interest in active disease surveillance data
- Serves as the contact person for all partners (Liberian and non-Liberian) interested in or working on data projects
- Attends and participates in relevant data meetings around the country and provides ongoing consultation and technical assistance
- In an emergency situation, may be required to represent DIDE in the EOC or equivalent
- May work with other agencies in disaster data analysis

2014 – 2016

OCCUPATIONAL HEALTH AND SAFETY COORDINATOR, Ministry of Health, Liberia

- Developing programs and implementation strategies for the Ministry of Health (MoH) engagement in Occupational Health and Safety (OHS) service provision
- Support the rollout of the MoH OHS policy at the county and district levels
- Lead the process of planning and implementing OHS programs in line with the MoH OHS policy in collaboration with relevant stakeholders
- Support County Health Teams (CHTs) Environmental Health Technicians in the monitoring of health and safety in industries, factories, healthcare institutions, and other institutions with OHS issues
- Strengthen coordination of OHS through the organization of meetings among stakeholders

- Document all issues (data, challenges, and best practices) on OHS in Liberia
- Compile reports and submit them to the Assistant Director for Technical/ Program Services for onward submission to the Director
- Support the Division of Environmental and Occupational Health in collaborating with MoH Research Unit in organizing/conducting research on OHS
- Perform other duties as may be assigned

2008 – 2014

DATABASE MANAGER (WASH), Ministry of Health, Liberia

- Ensure that the Water, Sanitation, and Hygiene (WASH) database tools develop and services were efficient and effective
- Ensure that all the data complies with legal regulations
- Provide protection and backed-up for the WASH information
- Regularly report to the Assistant Director of the Division
- Coordinate, monitor, analyze, and manage the performance, technology used, and entry procedures of the entire WASH information

EDUCATION

2014 **Master of Medicine** (Occupational and Environmental Health), Southeast University, China

2009 **Bachelor of Science** (Biology), University of Liberia, Liberia

PROFESSIONAL TRAINING & CERTIFICATES

Structured Operational Research and Training Initiative (SORT IT) for emergency preparedness and health systems strengthening to tackle Emerging Infections in West and Central Africa, Nairobi, Kenya, **March 2024 (ongoing)**

Certificate in Fundamentals of Implementation Science (online), University of Washington, Seattle, United States of America, **December 2023**

Certificate in Introduction to Data Analysis with R, with Public Health Applications (online), GRAPH Network, Institute of Global Health, Infectious Diseases and Mathematical Modeling Division, University of Geneva, Switzerland, **March 2023**

Certificate in Introduction to R for Applied Epidemiology (online), Applied Epi, **October 2022**

Certificate in Introduction to Data Management for Clinical Research Studies (online), The Global Health Network, **September 2022**

Certificate in Practical Statistics for Epidemiology Using R, Nuffield Department of Population Health, Oxford University, Oxford, United Kingdom, **September 2022**

Certificate in Integrating Social Sciences in One Health Research during Epidemics (online), The Global Health Network, **July 2022**

Certificate in Introduction to Epidemiology, Nuffield Department of Population Health, Oxford University, Oxford, United Kingdom, **June 2022**

Certificate in Exploratory Data Analysis (online), Coursera, **June 2022**

Certificate in Getting and Cleaning Data (online), Coursera, **May 2022**

Certificate in R Programming (online), Coursera, **May 2022**

Certificate in The Data Scientist's Toolbox (online), Coursera, **April 2022**

Certificate in Introduction to Clinical Research (online), The Global Health Network, **March 2022**

Certificate in Data Quality (online), The Global Health Network, **October 2019**

West Africa Regional Training on Africa CDC Public Health Information Sharing Platform using ECHO model by Africa CDC (Abidjan, Cote d'Ivoire). **May 2019**

Art and Science of Scientific Communication by US CDC (Monrovia, Liberia). **April 2019**

Certificate in Data Management, Science and Security, Infectious Diseases Data Observatory, Centre for Tropical Medicine and Global Health, Oxford University, Oxford, United Kingdom. **December 2018**

Health Data Visualization Fundamental Training by John Hopkins University (Monrovia, Liberia). **December 2017**

Certificate in Intermediate Field Epidemiology Training Program, Liberia Field Epidemiology Network (Monrovia, Liberia). **December 2017**

Data Development and Maintenance by eHealth Africa (Monrovia, Liberia). **June 2017**

National Basic Data Science for Disease Surveillance using Epi Info v.7.2 by John Hopkins University in (Monrovia, Liberia). **January 2017**

Integrated Disease Surveillance and Response (online) World Health Organization **November 2016**

Water & Sanitation for Health Facility Improvement Tool (Training of Trainers) World Health Organization (Monrovia, Liberia). **March 2016**

Certificate in Frontline Field Epidemiology Training Program, Liberia Field Epidemiology Network (Monrovia, Liberia). **November 2015**

Geographic Information Systems Training by UNICEF (Monrovia, Liberia). **September 2015**

Environmental and Occupational Health Technicians (Training of Trainers) World Health Organization (Monrovia, Liberia). **June 2015**

Safe Water System and Hygiene Promotion Training, Population Service International (Monrovia, Liberia). **October 2009**

Introduction to the District Health Information System, Ministry of Health and Merlin (Monrovia, Liberia). **March 2008**

Water, Sanitation and Hygiene Database Training, UNICEF (Monrovia, Liberia). **August 2007**

Epi Info Software Training, World Health Organization (Monrovia, Liberia). **June 2006**

Workshop on Hygiene Promotion (Training of Trainers), UNICEF (Monrovia, Liberia). **February 2005**

INVITED TALKS

Quality improvement for COVID-19 case investigation and contact tracing in Liberia: use of a bottlenecks approach, Global Health Security Conference 2022, Singapore, **June 2022**

REGIONAL & INTERNATIONAL MEETINGS/CONFERENCES

One Health Data Manager Training Workshop, (Accra, Ghana), 16 – 20 October 2023

ECOWAS One Health National Surveillance Data Managers' Meeting, (Ouagadougou, Burkina Faso), **19 - 23 June 2023**

The Global Health Network Conference (Cape Town, South Africa). **November 2022**

Global Health Security Conference 2022 (Accra, Ghana). **May 2019**

West African Technical Workshop on Mortality Surveillance by Africa CDC (Accra, Ghana). **May 2019**

Workshop on Big Data for Infectious Disease Surveillance by Africa CDC (Addis Ababa, Ethiopia). **March 2019**

ECOWAS Workshop for Health Data Managers by WAHO (Abidjan, Cote d'Ivoire). **March 2018**

Professional Exchange Program on Disaster Preparedness and Emergency Management by US Department of State (United States of America). **February 2018**

Annual Meeting of Managers in NHIS and IDSR with the Technical Financial Partners (Niamey, Niger). **October 2017**

Awareness Raising Workshop on Evidence-Based Healthcare & Cochrane Systematic Reviews (Monrovia, Liberia). **August 2017**

PUBLICATIONS

Bochner, A. F., Makumbi, I., Aderinola, O., Abayneh, A., Jetoh, R., Yemanaberhan, R. L., . . . Lee, C. T. (2023). Implementation of the 7-1-7 target for detection, notification, and response to public health threats in five countries: a retrospective, observational study. *The Lancet Global Health*, 11(6), e871-e879. doi:[10.1016/s2214-109x\(23\)00133-x](https://doi.org/10.1016/s2214-109x(23)00133-x)

Baruch, J., Rojek, A., Kartsonaki, C., Vijayaraghavan, B. K. T., Gonçalves, B. P., Pritchard, M. G., . . . Group, I. C. C. (2022). Symptom-based case definitions for COVID-19: Time and geographical variations for detection at hospital admission among 260,000 patients. *Influenza and Other Respiratory Viruses*, 16(6), 1040-1050. doi:[10.1111/irv.13039](https://doi.org/10.1111/irv.13039)

Jetoh, R. W., Malik, S., Shobayo, B., Taweh, F., Yeabah, T. O., George, J., . . . MaCauley, J. (2022). Epidemiological characteristics of Lassa fever cases in Liberia: a retrospective analysis of surveillance data, 2019–2020. *International Journal of Infectious Diseases*, 122, 767-774. doi:[10.1016/j.ijid.2022.07.006](https://doi.org/10.1016/j.ijid.2022.07.006)

Group, I. C. C., Baruch, J., Rojek, A., Kartsonaki, C., Vijayaraghavan, B., Gonçalves, B., . . . Olliaro, P. (n.d.). Symptom-based case definitions for COVID-19: time and geographical variations for detection at hospital admission among 260,000 patients. doi:[10.22541/au.165658324.49748325/v1](https://doi.org/10.22541/au.165658324.49748325/v1)

Akpan, G. E., Bawo, L., Amo-Addae, M., Kennedy, J., Wesseh, C. S., Whesseh, F., . . . Jallah, W. (n.d.). COVID-19 reinfection in Liberia: Implication for improving disease surveillance. *PLOS ONE*, 17(3), e0265768. doi:[10.1371/journal.pone.0265768](https://doi.org/10.1371/journal.pone.0265768)

Boumen Kassay, G., Gbouh, B., Gweh, D., Dweh, E., Ghartey, E., Dweh, F., . . . Amo-Addae, M. (n.d.). Maternal choices of delivery sites among recently delivered women in Liberia, 2017. *Journal of Interventional Epidemiology and Public Health*, 4(1). doi:[10.37432/jieph.suppl.2021.4.1.01.7](https://doi.org/10.37432/jieph.suppl.2021.4.1.01.7)

REFERENCES

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