

Alexandre Bili

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Professional Summary:

Experienced Epidemiologist with 5+ years in disease surveillance, outbreak response, and public health research. Skilled in data analysis, epidemiological modeling, and outbreak investigation, with a proven track record of managing 10+ major infectious disease outbreaks (Anthrax, EVD, Cholera, COVID-19, Yellow Fever). Adept at training 200+ healthcare professionals in public health preparedness, developing national-level emergency response plans, and conducting real-time disease surveillance using GIS, statistical modeling, and data visualization. Passionate about leveraging data-driven insights to enhance public health strategies aligned with WHO guidelines.

Key Skills:

- Epidemiological Surveillance & Outbreak Control
- Infectious Disease Epidemiology
- Statistical & Data Analysis (Excel, R, SAS, SPSS, Power BI, SQL, Python)
- Emergency Preparedness & Response Frameworks (Incident Management System, WHO Guidelines)
- Health Research & Policy Development
- Stakeholder & Multi-Agency Collaboration (WHO, CDC, Ministry of Health, NGOs)
- Project Management & Strategic Planning

Professional Experience:

Epidemiologist / Surveillance & Technical Officer for One Health

World Health Organization (WHO), Juba, South Sudan | Dec 2019 – May 31, 2025.

Epidemiological Surveillance & Investigation

- Led 10+ outbreak investigations (Anthrax, EVD, Cholera, COVID-19, Yellow Fever), developing and implementing surveillance protocols that improved early disease detection rates by 30%.
- Analyzed 200+ surveillance datasets, identifying early warning trends that informed 3+ national-level public health strategies.
- Developed and implemented 5+ emergency preparedness plans, aligning strategies with WHO and International Health Regulations (IHR) guidelines.
- Conducted 50+ risk assessments and real-time surveillance, strengthening early outbreak detection and reducing response time by 40%.

Training & Public Health Capacity Building

- Developed 15+ training modules and led 30+ workshops, training 200+ local healthcare professionals on outbreak preparedness and response strategies.
- Co-authored 7+ technical reports and epidemiological studies, contributing critical data to WHO's global health repository.

Planning & Information Chief

Public Health Emergency Operations Center (PHEOC), Ministry of Health - Juba, South Sudan | Oct 2018 – Dec 2019

Emergency Planning & Coordination

- Monitored daily intelligence reports from 20+ field teams, NGOs, and government agencies, ensuring real-time data-driven decision-making during health emergencies.
- Facilitated the development of Incident Action Plans (IAPs), improving coordination and reducing emergency response delays by 35%.
- Provided real-time status updates to EOC leadership, optimizing allocation of critical resources during 5+ major outbreaks.

Stakeholder Collaboration & Crisis Communication

- Established structured communication protocols, improving information relay speed between EOC, field teams, and stakeholders by 50%.
- Led coordination between WHO, CDC, and Ministry of Health, ensuring synchronized response strategies.

Surveillance Officer

State Ministry of Health, CES - Juba, South Sudan | Mar 2011 – Jun 2016

Disease Surveillance & Case Tracking

- Led rapid response teams during 7+ major outbreaks, streamlining case detection, contact tracing, and reporting, which reduced containment time by 40%.
- Developed regional contact tracing systems, tracking 95%+ of outbreak-related cases across 3 major regions.

Research & Public Health Communication

- Partnered with 5+ organizations, strengthening disease surveillance systems and improving early outbreak detection rates by 25%.
- Designed and presented epidemiological reports to 200+ policymakers and health officials, leading to improved policy compliance and faster outbreak interventions.

Education:

- Master of Public Health (MPH), Southern Medical University, Guangzhou, China. 2018.
- Diploma in Epidemiology & Biostatistics, University of Medical Science & Technology, Sudan, 2023.
- Advanced Graduate Diploma in Tropical Medicine, Surveillance & Immunization, James Lind Institute, Singapore, 2020.
- Bachelor of Science in Biotechnology, University of Juba, Sudan, 2010.

Certifications:

- IBM Data Analyst Professional Certificate, 2025

- Fundamentals of GIS, UC Davis Center for Watershed Sciences, 2018
- Epidemics, Pandemics and Outbreaks, University of Pittsburgh, 2017

Professional Affiliations

- International Epidemiological Association (IEA)
- Member, Association for Professionals in Infection Control and Epidemiology (APIC)
- Member, International Society for Infectious Diseases (ISID)

Selected Publications:

- “Lessons Learned from Implementation of a National Hotline for Ebola Virus Disease Emergency Preparedness in South Sudan” *BMC Journal*, April 2021 – [Read Here](#)
- “Knowledge of Type 2 Diabetes Mellitus and Adherence to Management Guidelines: A Cross-Sectional Study in Juba, South Sudan” *SSMJ*, November 2018 – [Read Here](#)

Languages:

- English (Fluent)
- Arabic (Fluent)
- French (Basic)

References:

1. Dr. William Mbabazi, Country Preparedness & IHR Officer
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2. Dr. Israel Gebresillassie, Response Officer
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