

# Laboratory & Diagnostic Facilities

## Our Purpose

eHealth Africa (eHA) is a health social enterprise which builds stronger health systems through the design and implementation of data-driven solutions. We respond to local needs and provide underserved communities with tools to lead healthier lives through the integration of information, technology, and operations. This strategic advantage allows us to build and operate specialized laboratory networks in West Africa.



*Sokoto Mobile Meningitis Laboratory*

## Our Expertise

In partnership with the International Foundation Against Infectious Diseases in Nigeria (IFAIN) and the University of Nebraska Medical Center (UNMC), we have built and currently manage two laboratories: the Sokoto Meningitis Laboratory and the Kano Lab. Our laboratory systems work in conjunction with surveillance tools to classify and confirm potential health threats.

- Design and partner in public health laboratory research conducted in internationally-certified, eHealth Africa-supported laboratories.
- Increase access to timely and quality diagnostic services for providers of maternal and child health services.
- Develop and implement a sustainable public health laboratory business model to ensure continuous operations.

# 1,000

CSF and blood samples tested at our Sokoto Meningitis lab

# 613

samples tested with the HemeChip device at our Kano Laboratory

# 93

samples confirmed positive for Cerebrospinal Meningitis

## Our Facility - Kano Lab

In 2017, we partnered with the University of Nebraska Medical Center (UNMC), to build a lab at our Kano campus. The lab, made from a repurposed shipping container, occupies approximately 178 square meters and has two floors.

The lab is a Biosafety level two containment lab, meaning that access to the lab is restricted and that the lab is completely enclosed. The lab has a state-of-the-art laboratory equipment, waste disposal system, constant water and power supply. It currently serves as the private research lab for the International Foundation Against Infectious Disease in Nigeria (IFAIN). eHealth Africa provides the structure as well as the data systems, lab software, and operational expertise. Currently, the lab is participating in a clinical trial of the HemeChip device, a point of care testing device for Sickle Cell.

## Our Facility - Sokoto Lab

eHA constructed the Biosafety Level 1 laboratory and manages its operations in partnership with the Sokoto State Ministry of Health and the International Foundation Against Infectious Diseases in Nigeria (IFAIN). Our Sokoto Laboratory was designed to serve as a first point of testing cerebrospinal fluid (CSF) and blood samples collected from suspected meningitis patients, in order to provide a conclusive diagnosis which will lead to proper treatment. This lab services the Sokoto-Kebbi- Zamfara tristate area. The laboratory is housed in a 40ft shipping container allowing for mobility to locations with an active outbreak and diagnostic need.

## Our Software

The following software applications are installed at the lab and serve to enhance the workflow within the facility as follows:

- **Odoo:** This is an inventory management system.
- **BIKA:** Used for Laboratory Information Management (workflow and result management).
- **FreezerPro:** This software is used for sample storage management.
- **RedCap:** A secure and HIPAA compliant system for data entry, storage and result management.



*Panoramic View of Kano Laboratory*

## Contact Us

Reach out today to learn how we can support you with world-class laboratory and diagnostic services

[info@ehealthafrica.org](mailto:info@ehealthafrica.org)

