

A large, semi-transparent green map of Nigeria is overlaid on the right side of the page. The map is filled with a subtle, wavy pattern. The text "Q2 2019 Impact Report" and "Nigeria" is centered over the map.

Q2 2019 Impact Report

Nigeria

RI Session at Kawaji
PHC, Kano.

Our Mission

Our mission is to build stronger health systems through the design and implementation of data-driven solutions that respond to local needs and provide underserved communities with tools to lead healthier lives.



Our field operations officers getting ready to travel for an IPD tracking activity.

Our Expertise



Public Health



Logistics & Infrastructure



Data Management



Digital Health



Geographic Information Systems



Monitoring & Evaluation



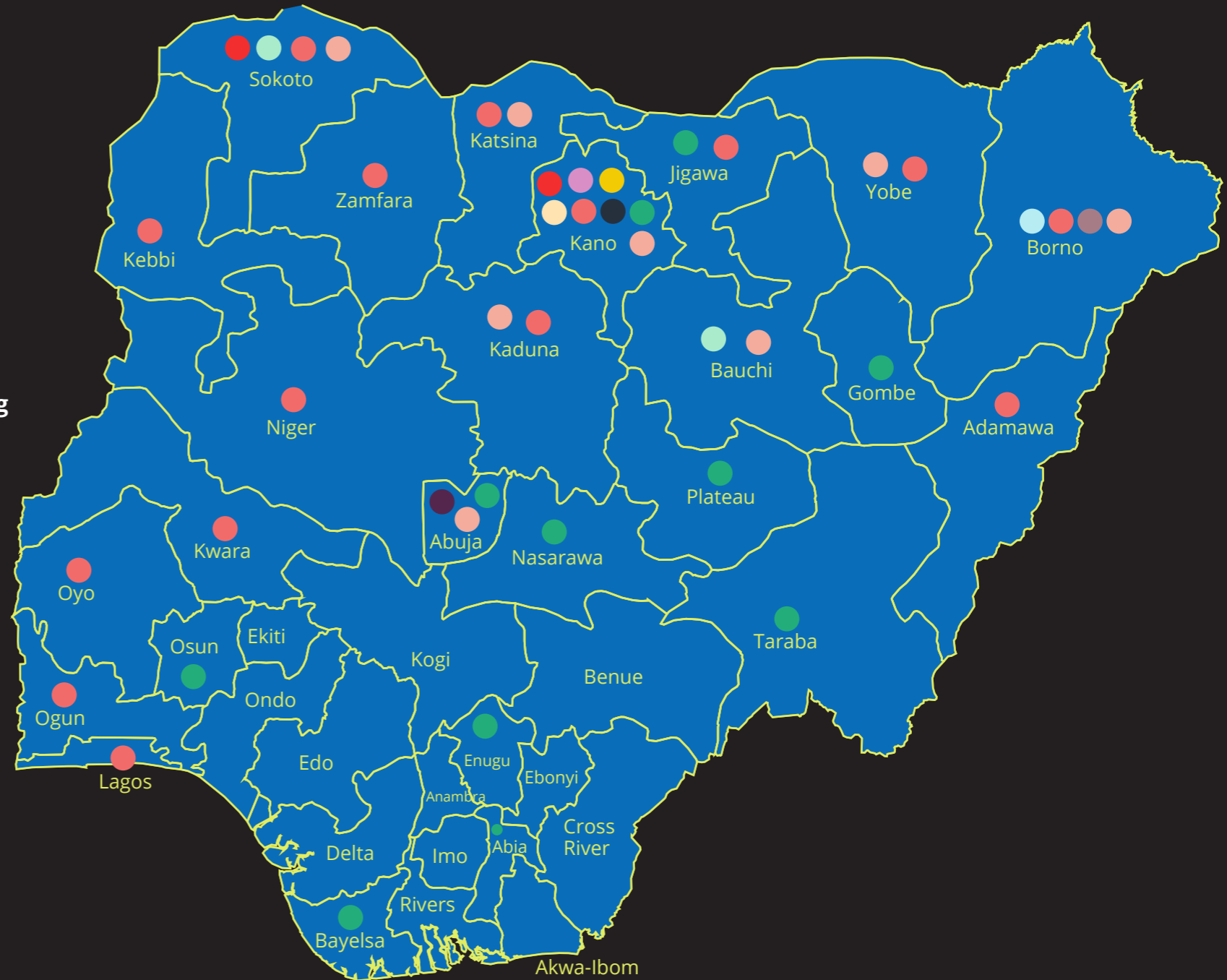
Project & Program Management

A health care worker
in Kano state reviewing
the vaccination schedule.

Where we work

Projects

- Farm Management Tool
- Indigo deployment
- Vaccinator Tracking System/ IPD Tracking
- Kano Connect
- LoMIS Stock
- MetaFridge
- NPHCDA Annex Renovations
- Polio EOC Maintenance
- RES/RIC
- Vaccine Direct Delivery
- WFP Warehouses
- eHA-IFAIN Laboratory



eHA in the Global Context



Immunization



**National Lab
Systems**



**Disease
Surveillance
and Reporting**



**Workforce
Development**

In many of the countries where we work, health systems require technical support to enable them meet global health and development goals. We work with our partner countries and communities to identify gaps and lapses, design appropriate solutions and execute projects efficiently. In this way, we support health systems across Africa to deliver a holistic spectrum of health services so that no one is left behind.

Immunization

A close-up photograph of a baby lying on a patterned surface, being held by a healthcare worker. The baby is crying, and the healthcare worker is wearing white gloves and holding a syringe. The background is blurred, showing other people in a clinical setting.

Vaccination is one of public health's most cost-effective interventions. They can prevent between 2 million to 3 million deaths every year. However, 1 in 5 children in Africa still do not have access to life-saving vaccines. There are many reasons for this including unavailability of vaccines at the health facility, inaccurate immunization data for planning, weak communication and supervision systems to ensure adherence to proper RI service standards, appropriate maintenance of cold chain equipment, and correct vaccine utilization to prevent wastage. On the demand side, poor health seeking behaviour as well as misconceptions around vaccination affect children's uptake of vaccines. At eHA, we have implemented programs and have services and solutions that address several of these gaps.

We ensure that vaccines are available at health facilities when they are needed through our Vaccine Direct Delivery (VDD) service. VDD is a third party logistics service that we currently provide to the state primary health care management boards in Bauchi and Sokoto states. We deliver adequate quantities of potent vaccines from cold stores to the health facilities and make sure that they are always available when mothers bring their children to be vaccinated.

In Kano State, our LoMIS Stock solution gives decision makers and health program planners access to accurate, near real-time accurate data on vaccine stock availability, cold chain equipment status, vaccine utilization, and wastage. Health workers in all the health facilities use LoMIS Stock to send reports on directly from their mobile phones. LoMIS Stock is part of a suite of solutions developed by eHealth Africa to address supply chain challenges in the health sector in Nigeria.

A baby receives her vaccinations
at Gwagwarwa PHC, Kano State.

Immunization

A close-up photograph of a baby lying on a table, receiving a vaccination. A healthcare worker's hands are visible, one holding the baby's arm and the other holding a small vial. The background shows a white cloth with text in French: "0.05 ml BCG Auda Durable Synonyme" and "BCG Santrouba". The scene is set in a health facility.

Kano Connect is an mHealth platform that strengthens primary healthcare services through effective communication and information management. Developed by eHealth Africa and the Kano State Primary Healthcare Management Board (KSPHCMB), the platform contains a comprehensive directory of health workers and health facilities in Kano state. It also contains digitized checklists which supportive supervision program officers use to monitor and supervise the quality of routine immunization services provided at the facilities. The data collected can be stored on a dashboard which can easily be accessed and reviewed by managers for decision making.

We also work with national polio eradication partners across the country to increase the coverage of supplementary immunization activities like the Immunization Plus Days (IPDs) or outbreak responses. eHA provides vaccinators with Android phones that detect, record and store passive tracks of the vaccinators' movements during these SIAs. The passive tracks are uploaded onto a dashboard to display a visual representation of the communities that were covered or missed on a daily basis so that immediate action can be taken. The Vaccinator Tracking System project is particularly useful in security-challenged areas like North-east Nigeria where SIAs are vital for increasing herd immunity.

Together, these projects ensure that the Nigerian health system can better provide potent life saving vaccines to children provide mothers and children with the potent life-saving vaccines that they need to prevent diseases.

A baby receives her vaccinations
at Gwagwarwa PHC, Kano State.

Immunization

A functioning national vaccine delivery system—with nationwide reach, effective distributions, access for marginalized populations, adequate cold chain, and ongoing quality control—that is able to respond to new disease threats.

364

Functional cold chain equipment in Kano state.

72,321

Communities tracked from April to June 2019 through our Vaccinator Tracking System.

3,040,858

Children vaccinated in total from April to June 2019 in both secure and security-challenged areas.

91.5%

Uptime on cold chain equipment in Kano state from April to June, 2019.

4,909,760

Antigens delivered in Bauchi and Sokoto states from April to June 2019.

18,952

Vaccination teams tracked in 15 states (Kaduna, Kebbi, Kwara, Niger, Sokoto, Zamfara, Borno, Jigawa, Kano, Yobe, Adamawa, Katsina, Lagos, Ogun and Oyo states) from April to June 2019.

“

The vaccine push system implemented by eHealth Africa has yielded better results in terms of vaccine availability and accountability. Before VDD, irregular vaccine collection led to stock-outs at the health facilities. Many times, apex facilities would visit LGA cold store to collect vaccines only to discover that vaccines were unavailable because the LGA cold chain officer did not receive vaccines from the state. This made many health care users and providers lose confidence in the health system.

”

Aminu Abdullahi
Assistant Cold Chain Officer,
Sokoto State.

A Routine Immunization Session at Gwagwarwa
Primary Health Care center in Kano State, Nigeria.

Auto-Visual AFP Detection and Reporting (AVADAR)

AVADAR was designed in partnership with the World Health Organization and Novel-T with funding from the Bill and Melinda Gates Foundation (BMGF) to improve the quality and sensitivity of Acute Flaccid Paralysis (AFP) surveillance by health workers and key informants within hospital facilities and local communities in polio-endemic and high-risk countries.

The objective of this project is to enhance traditional AFP surveillance systems by “widening the net” of disease reporters and using an sms-based mobile technology to improve the completeness, timeliness, and availability of AFP reporting.

When informants report suspected AFP cases, automatic case alerts are sent to the appropriate disease surveillance officers, and the resulting data is automatically aggregated, visualized, and made available for decision makers.



422

422 communities covered by community informants in Niger, Chad, Cameroon, South Sudan and DRC



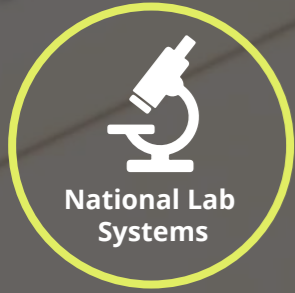
8,798

8,798 AFP cases reported by community informants in Niger, Chad, Cameroon, South Sudan and DRC



91%

91% of reported AFP cases were investigated in Niger, Chad, Cameroon, South Sudan and DRC



Our labs in Kano and Sokoto are equipped to conduct effective, modern point-of-care and laboratory-based diagnostics to support real-time biosurveillance and response to public health threats. In partnership with the International Foundation Against Infectious Diseases in Nigeria (IFAIN), eHA deployed the Sokoto lab to conduct comprehensive laboratory investigations that support the diagnosis of Cerebrospinal Meningitis in Kebbi, Sokoto and Zamfara states.

Currently, our Kano Laboratory is partnering with Emory University on a Snail fever (Schistosomiasis) study that aims to test the accuracy of three diagnostic methods and determine their applicability to low-resource settings.



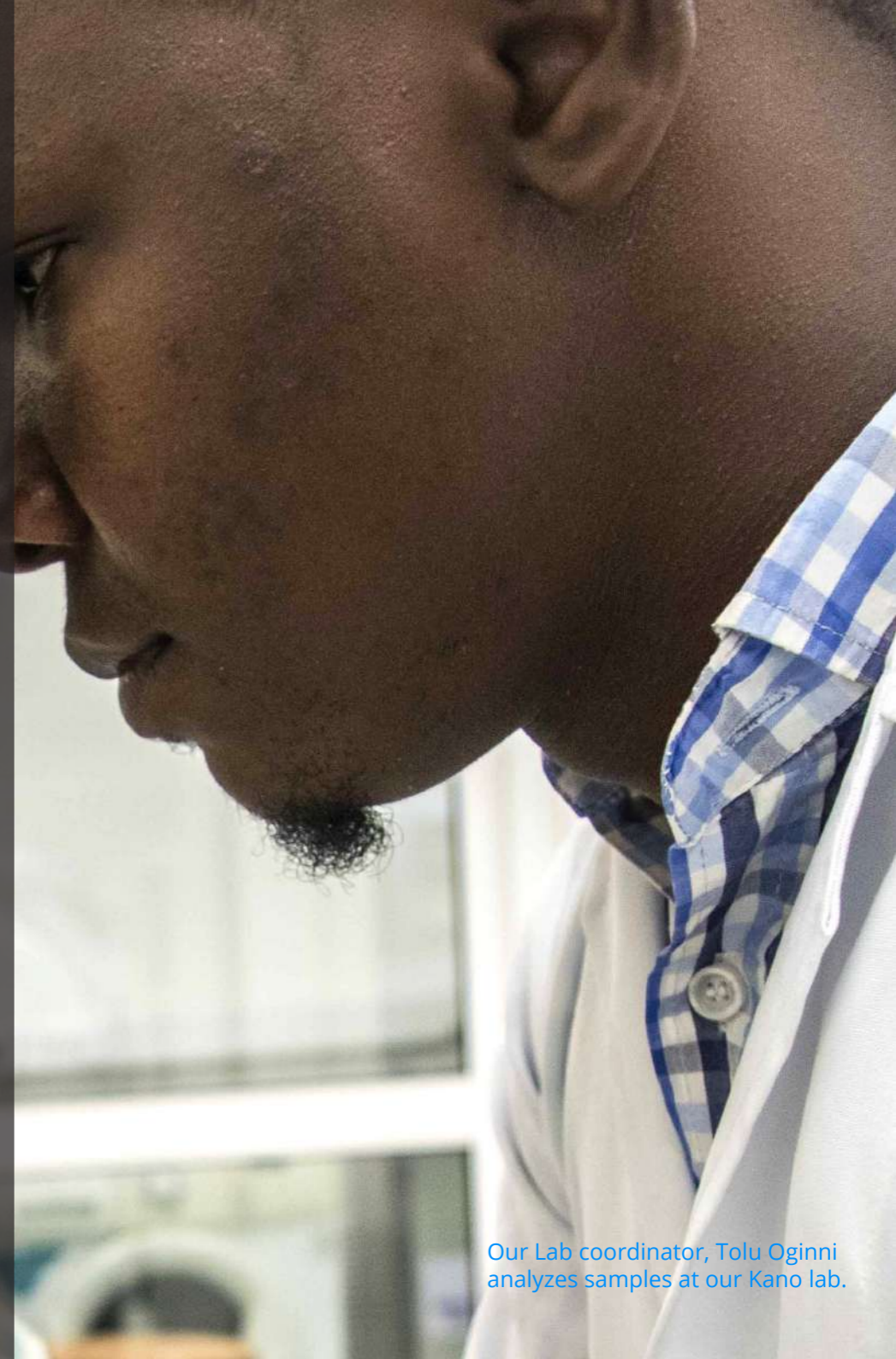
54 biological samples collected at the Sokoto Lab

54

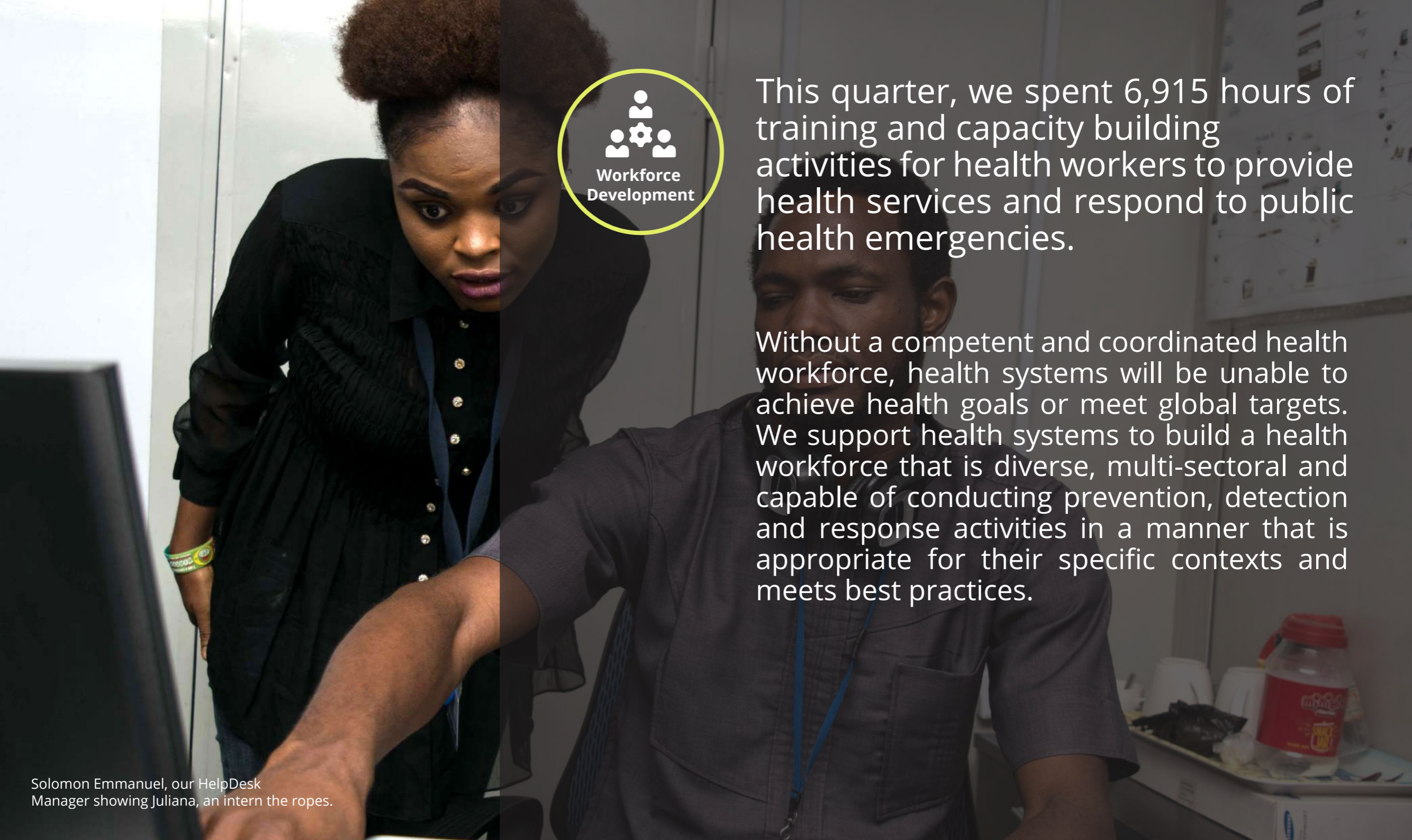


100% of collected samples tested for Meningitis

100%



Our Lab coordinator, Tolu Oginni analyzes samples at our Kano lab.



This quarter, we spent 6,915 hours of training and capacity building activities for health workers to provide health services and respond to public health emergencies.

Without a competent and coordinated health workforce, health systems will be unable to achieve health goals or meet global targets. We support health systems to build a health workforce that is diverse, multi-sectoral and capable of conducting prevention, detection and response activities in a manner that is appropriate for their specific contexts and meets best practices.

Solomon Emmanuel, our HelpDesk Manager showing Juliana, an intern the ropes.

Farm Management Tool

The Farm Management Tool is the expansion of CornBot, eHealth Africa's submission for the Fall Armyworm Tech Prize in 2018. After winning the Frontier Innovation Award in the competition, eHealth Africa decided to invest the prize money to further expanding the app to a platform for farmers to exchange and receive information that could help them increase their productivity. We know that the farmers can harvest significantly more produce using the same land space if they are supported to adopt new farming practices.

Over a period of 7 months, starting with land preparation and ending with harvest, eHealth Africa will provide simplified specialist knowledge on farming practices such as soil testing, disease scouting and prevention, weeding practices, plant spacing, fertilizer application and soil nutrient enrichment. The aim is to "handhold" the farmers so that they can maximize their outputs, improve the quality of their lives and address food insecurity in Nigeria. This information will be shared through a mobile application which can be accessed with an Android phone. The platform will have several features including a mobile application, local language translations, video and audio virtual assistants that can guide the farmers, and location/ Geographic Positioning System (GPS) capabilities.

25 farmers spread across 5 local government areas (Bunkure, Dawakin-Kudu, Doguwa, Takai and Karaye) in Kano state have been selected to participate in this pilot. An initial workshop was conducted to gather baseline data about the farmers' levels of knowledge and current agricultural practices. The farmers have provided test portions of their farmlands to demonstrate and assess the viability of the information shared through FMT. At the end of the pilot period, the yields from the test farmlands and the rest of their farms will be evaluated. The development of the application is ongoing.



22,500

22,500 square meters set aside by 25 farmers in Kano State for FMT demonstrations



47.5

47.5 hours in total spent in training and handholding sessions



First, I learned how to get viable seeds. Then I learned how to prepare my land for planting and how to detect and prevent pests like Fall Armyworm using biological methods like neem seeds. In addition to this, I interacted with other farmers from different local government areas in Kano state and we shared our experiences.



Sanusi Abdullahi
Farmer, Doguwa LGA, Kano State

World Food Programme (WFP) Warehouses

The World Food Programme (WFP) provides food aid to support vulnerable populations affected by the conflict in Northeast Nigeria.

The WFP Kano Warehousing project is an essential part of the supply chain which enables the provision of the required food commodities to those in need. eHA oversees the setup and management of the warehouses in Kano State, ensuring that food commodities are handled and stored in a safe and efficient way.

674,425 packages of food handled at the WFP warehouses in Kano State between April and June 2019



674,425

5 hours of training on warehouse management for 23 participants including partners



5

Food packages stored at the WFP warehouse in Kano State.

“Our greatest asset is our people”

Staff Spotlight: Abdulhamid Yahaya

Abdulhamid Yahaya is our Senior Manager in charge of the IT Engineering and Operations (ITEO) teams across all of our offices. He makes sure that the services, support and infrastructure deployed by the ITEO team are secure, easily accessible and of high quality.

He is responsible for defining and guiding the implementation of eHealth Africa’s Information Communication & Technology (ICT) and DevOps goals, policies, procedures and best practices. In addition to this, he identifies, communicates and mitigates IT- related risks.

Under his leadership, the ITEO team has launched several initiatives that resulted in huge cost savings for the organization.

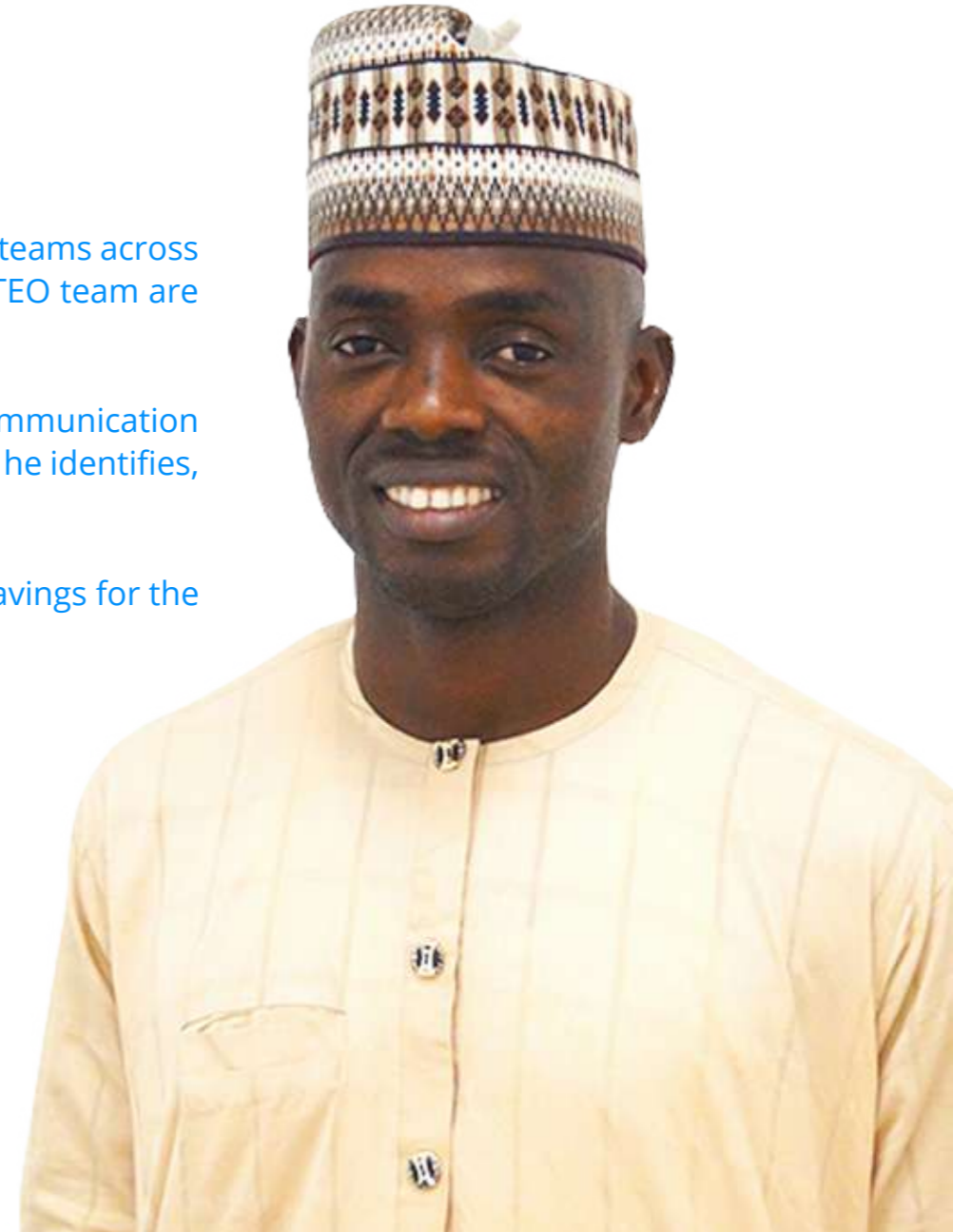
Abdulhamid is not all work though. He is a semi-professional chess player and an avid traveller.

“ Congrats to Abdulhamid for reducing the cost of internet for all our projects. Huge savings there... ”

Evelyn Castle
Executive Director

“ Abdulhamid is the best boss I could ever have dreamed of working with. I am marvelled by his wealth of skills, knowledge and experience. He’s always ready to listen and knows how to get the best out of me. ”

Solomon Emmanuel
Manager, Helpdesk in ITEO



Our Partners



Bauchi State Primary Health Care Management Board



Bill and Melinda Gates Foundation



GFA Consulting Group



EMORY

Emory University



Intellectual Ventures/
Global Good



International Foundation Against Infectious Diseases in Nigeria (IFAIN)



Kano State Government



Kano State Primary Health Care Management Board



Novel-T



National Population Commission (NPC)



National Primary Health Care Development Agency



Nigeria Center for Disease Control and Prevention (NCDC)



State Ministries of Health (SMOHs)



Sokoto State Primary Health Care Management Board



State Primary Health Care Management Boards



University of Nebraska Medical Center (UNMC)



Washington State University (WSU)



World Food Programme (WFP)



World Health Organization (WHO)



Q2 2019
Impact Report
Nigeria



www.ehealthafrica.org