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Strengthening Data Systems and Use for Global Health Security

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CHISU helps countries build resilient health information systems (HIS) that can prevent, detect, and respond to zoonotic and emerging infectious disease threats—wherever they happen in the world. The COVID-19 pandemic was a sobering reminder of the critical importance of global health security to prevent emerging pathogens from becoming major health threats around the globe.

How is CHISU contributing to global health security?

Building One Health information systems

The One Health approach calls for a holistic view of disease surveillance, taking into account humans, animals, and the environment, linking human and animal laboratory networks, and responding to both human and animal emergencies. We are strengthening countries' existing HIS to improve the data available for their One Health efforts in the following countries:

Burkina Faso

We supported implementation, scale-up, and support for the One Health information system.



A health worker updating records in Liberia.
Photo credit: JSI

Country Health Information Systems and Data Use (CHISU) is USAID's flagship data and information system program to strengthen host country capacity and leadership to manage and use health information systems to improve evidence-based decision-making.

www.chisuprogram.org

This has enabled staff from the ministries of health, animal resources, and the environment to conduct joint investigations into public health events. To date, this system is operational in four out of nine regions in Burkina Faso and has been instrumental in the country's public health threat response (including the [2023 rabies vaccination campaign](#)). We are taking the lessons learned from Burkina Faso to develop similar systems in Mali and Côte d'Ivoire.

Côte d'Ivoire

We collaborated with the Government of Côte d'Ivoire to set up a multisector One Health digital information system, focusing on strengthening multisector governance and improving the availability of data quality to inform decision making. The implementation of a One Health information systems architecture and the development of interoperability between different software systems will help ministries better organize the surveillance systems environment and better coordinate monitoring of priority zoonoses. We supported improvements to the national One Health website to strengthen collaboration and learning between stakeholders and give greater visibility to One Health achievements in Côte d'Ivoire.

Indonesia

We worked with the Government of Indonesia to strengthen existing policies and regulations to support improvements to One Health data management. Additionally, we conducted an interoperability assessment that will be used to develop and apply interoperability implementation guidelines to improve the flow of One Health data into SATUSEHAT, the Ministry of Health's information exchange and data analysis platform. Finally, based on the results of a data use needs assessment, we improved visualization of One Health data on Ministry of Health dashboards to ultimately catalyze improvements in One Health interventions.

Mali

We worked with the Government of Mali to conduct a consultation exercise with relevant HIS stakeholders in Mali with a focus on One Health. This exercise identified gaps, challenges, and opportunities to inform the Global Health Security Agenda in Mali, including building consensus on the design for a One Health surveillance system in the country. We also helped kickstart a One Health work plan and its implementation. The goal in Mali is to develop an integrated One Health information system that will allow the ministries in charge of health, animal resources, environment, and agriculture to respond quickly and effectively to public health threats.



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