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Burkina Faso

Country Health Information Systems and Data Use (CHISU) Program

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CHISU supports the Government of Burkina Faso to improve disease surveillance (including COVID-19 and malaria surveillance) and the use of health information by strengthening health information systems (HIS)—including One Health and routine health information systems.



How is CHISU supporting digital transformation in Burkina Faso?

CHISU is working to strengthen Burkina Faso's HIS by supporting the following areas:

- The One Health approach
- Malaria data quality and use
- COVID-19 data quality, availability, and use
- Routine HIS (including data quality and use and DHIS2 scale up at the health facility level)

Supporting One Health information system strengthening

The One Health approach calls for a comprehensive vision of disease surveillance, considering human, animal, and environmental factors. CHISU supports national and decentralized coordinations bodies; supports data exchange through multiple databases and an interoperability layer; and builds staff's skills across several levels of the health system for multiple ministries. CHISU is working to strengthen the One Health HIS in the four regions already covered by USAID in previous years (Center South, Plateau Central, Boucle du Mouhoun, and Center West) and extend it to an additional region (Center East). CHISU will further improve the analysis and use of routine and aggregate health surveillance data from the three One Health ministries and assist these ministries to respond to public health events in Burkina Faso.

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



Supporting U.S. President’s Malaria Initiative (PMI) activities

PMI, through CHISU, is providing technical and financial support to Burkina Faso’s National Malaria Control Program (PNLP) at the regional level to strengthen the quality and use of data. CHISU is facilitating identification of barriers and possible solutions to quality surveillance data with malaria stakeholders; supporting the development of a surveillance improvement plan for operating units; supportive supervision of intermediate- and health facility-level actors on the collection, analysis, and use of quality data; conducting district data validation and review sessions with district and health facility staff; and following up on completion of tasks listed in problem-solving plans at the district level.



Government officials and local authorities during the launch for a rabies vaccination campaign in March 2023 in Sabou, Burkina Faso.

Revising COVID-19 data system design analysis and immunization tool

CHISU is working to increase the quality, demand, and use of COVID-19 data, which is collected in the country’s “MS-Surveillance” data management tool. CHISU is providing a thorough analysis of the country’s data collection systems, as well as mapping the people, systems, and processes of the systems that need to be digitized. CHISU is also focusing on the revision of the country’s COVID-19 vaccination tools by simplifying the individual data collection form and creating an aggregated data collection form.

Strengthening availability and use of COVID-19 data

COVID-19 data has improved in Burkina Faso, but there are still ongoing issues with incomplete data and delays with entering data at the site level. CHISU is ensuring importation of available aggregated COVID-19 immunization data while continuing to support retrospective data entry of COVID-19 vaccination register data. This will enable advanced data analytics and data triangulation of COVID-19 vaccination data. In addition, CHISU supported work to make MS-Surveillance interoperable with the country’s COVID Info application—enabling rapid COVID-19 test result availability to the public and the generation of vaccination cards.

Strengthening use of ENDOS

CHISU is working with Burkina Faso’s Ministry of Health and Public Hygiene to extend data entry in ENDOS (Burkina Faso’s routine HIS) in health facilities in the two CHISU-supported regions. Previously, CHISU cleaned the ENDOS database, and currently the program is working to extend the use of data quality review, assist with developing a Master Facility List, and implement ENDOS interoperability with other data management systems. CHISU is also extending the use of the data quality review (DQR) package tool for desk review, and has participated in the exchanges on implementing interoperability between the tuberculosis (TB) tracker and ENDOS with the technical support of health information systems programs (HISP). Additionally, CHISU (in collaboration with the World Health Organization and Cooper Smith) is technically supporting the Ministry of Health Information Technology Directorate (DSIS) in finalizing the interoperability architecture.



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