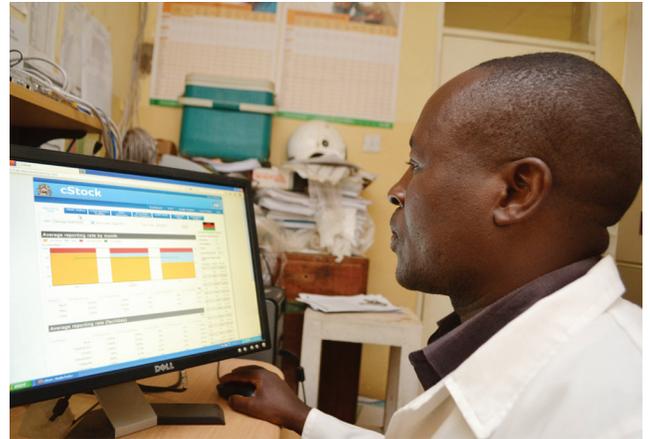# TECH@JSI

JSI IS IDENTIFYING, ADAPTING, AND APPLYING TECHNOLOGY TO IMPROVE PUBLIC HEALTH

Technology is an essential component of responsive and resilient patient-centered health systems. From mobile data collection to unstaffed aerial drones, countries and partners around the world are finding innovative ways to use the latest technologies. However, as more technology is introduced, countries often struggle to integrate the disparate platforms, data sources, and digital tools to create cohesive health solutions.

JSI is a pioneer in health information systems and logistics management technology. We help governments, donors, and multilateral organizations choose mechanisms to meet their public health needs. For nearly four decades, JSI has applied a collaborative, user-centered approach to designing, building, deploying, and managing digital solutions.

OUR WORK

JSI improves information management across the public health spectrum, including immunization, health supply chain management, maternal and child health, and nutrition to facilitate data-driven decision making at all levels of the health system.

PRACTICE AREAS

Health Information Systems (HIS)

JSI develops, deploys, and manages health information systems in the United States and around the world. We work with countries to find solutions by collecting high-quality data; building interoperable systems; overcoming security challenges; training and building staff capacity; and making information available from the national level down to a country's most remote clinics. Our expertise includes **electronic medical records, health information mediators, health information exchanges, community health information systems, and vaccine information management systems.**

Data services

JSI improves the collection and use of quality data within the health sector. Our data services include developing routine health information systems; building capacity for effective data collection and use for program monitoring; fostering decisions based on analysis and visualization of data with a spatial component; and exploring the analytic possibilities of open data. We have demonstrated success in customizing open-source and commercial products and building solutions tailored to user needs. Our expertise includes **geographic information systems, data visualization, data use, data management, and data retention, protection, and security.**

JSI

Channeling Content

JSI advances public health programs by designing, developing, and leveraging new technologies to deliver content to the right people at the right time. We apply user-centered design to better understand our audiences and how they access information. Our expertise includes **eLearning, knowledge management, web design, and digital health communication for social behavior change.**

Mobile Solutions

JSI designs and implements mobile tools to improve service delivery, facilitate data collection and management, and reach clients with key health messages. JSI's mobile solutions target all levels of the health system, with a focus on supervisors and facility managers to promote data-driven workforce management. Because mobile solutions are a piece of the larger digital health ecosystem, we design tools with integration and interoperability in mind. Our expertise includes **mobile data collection, mobile behavior change, mobile tools for frontline health workers, telemedicine, and mobile messaging.**

Building Blocks for Applied Technology Systems

JSI helps partners identify enabling components to lay foundations for applied technology interventions. Our expertise includes **eHealth policy and strategy, digital financial solutions, broadband connectivity, and solar power systems.**

Technology for Health Supply Chain Management

JSI is the world leader in public health supply chain management. We help partners integrate appropriate technology to improve data visibility throughout the end-to-end system. Our experts design solutions that enable real-time data availability between the facility and community levels and provide resource-planning solutions for global supply chain operations. Our expertise includes **electronic logistics management information systems, blockchain for identification, autonomous aerial vehicles (drones), and data IMPACT teams to improve data use.**