Health Systems Strengthening Through
Digital Transformation

Strong health systems are driven by data and powered by technology. Innovations in digital health are increasing data use, person-centered care accessibility, and supply chain agility, while standardizing high-quality care. From digitization in health information systems to automations in primary health care, countries and enterprises are using the latest technologies to improve health outcomes.

JSI is a leader in health information systems and logistics management technology. We help governments and multilateral organizations choose mechanisms to meet their public health needs. We advocate for the use of digital public goods in health and other programs as key enablers of digital transformation in the countries where we work. For nearly 40 years, JSI has applied a collaborative, user-centered approach to designing, building, deploying, and managing digital solutions, while strengthening their governance and interoperability.

Robust Health Information Systems

JSI develops, deploys, and manages health information systems in the United States and around the world. We help countries collect high-quality data; build interoperable systems; overcome security challenges; train and build staff capacity; and avail information for decision making across the health sector.

Improving Data Use

JSI improves collection and use of high-quality data within the health sector. Our services include developing routine health information systems; building capacity for data collection and use for program monitoring; fostering decision-making based on data analysis and visualization; and exploring possibilities of open data. We have demonstrated success in customizing open-source and commercial products and global goods tailored to user needs. Our expertise includes geographic information systems; data visualization, use, management, retention, protection, and security; and safely leveraging the power of AI to improve health outcomes.

Increased Accessibility and Quality of Primary Health Care

JSI designs and implements digital tools to improve point-of-care service delivery, facilitate data collection and management, and further the reach of primary health systems. JSI has implemented electronic community health information systems around the world that are user-centered, contextually appropriate, and tailored to the needs of frontline health workers and their clients.

Technology for Efficient 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 end-to-end systems. Our experts design solutions that enable real-time data availability at facility, community, and national levels and provide resource-planning solutions for global supply chain operations. These tools have increased agility and decreased costs and wastage in national supply chains.

Strengthening Governance and Blueprint Architecture

We help partners lay the groundwork for applied technology interventions. We advance digital health in a whole-systems approach, creating blueprint architecture. Enabling interoperability between solutions allows the growing number of tools to coexist in one healthy ecosystem. We work with ministries to prioritize governance and interoperability to strengthen their architecture.
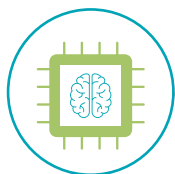
Human-Centered Approach

Developing, sourcing, and adapting new technology is only as powerful as health system stewards' ability to use it. We work alongside national leaders to train, mentor, and support health program managers and frontline health workers to ensure their comfort in these systems and enable their adaptation. We invest in health information technicians to close STEM gender gaps, ensure continued career growth, and sustain these investments over time.

Global Health Security

JSI has worked to create digital linkages between ministries of health, livestock, and the environment to enable an effective response to health threats. The approach is facilitating community reporting of health issues to a multi-sectoral national platform through an interoperability layer. This technology helps us control public health emergencies early.

AI

JSI is using new digital tools such as AI to improve supply chains, prevent malaria, develop training materials, and increase testing accuracy to improve health service quality and patient experience, with the net result of better health outcomes.