Our Global Work

Data & Digital Modernization

JSI harnesses digital innovations to transform data into useful insights, and translates those insights into action. JSI integrates data across platforms and systems, strengthens vital components of health and education systems, and ultimately expands access to and improves overall quality of care and education. We specialize in co-creating digital systems with governments and organizations that are streamlined, responsive, and precisely tailored to meet the essential needs of communities.

Our Approach

We believe that quality data, powered by new technology, saves and improves lives. We build cohesive digital ecosystems at scale for health and education sectors by developing **new or improved digital tools** and working with partners to establish a robust **digital architecture** that ensures full system **interoperability** and **effective utilization.** Our work spans health and education information systems, interoperability, data-driven decision-making, AI integration, and logistics management technology. We emphasize understanding individual, community, health worker, educator, program manager, and policy-maker needs, focusing on collecting, managing, and analyzing quality data through user-centered tools and facilitating data use.

Achievements:

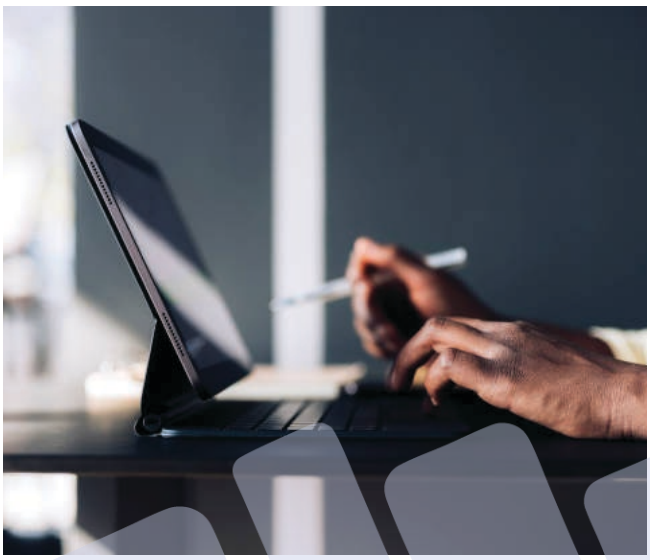
We have enhanced more than 65 digital solutions and deployed over 12 global goods.

Our work to implement an electronic medical records system in Ethiopia reduced mortality by 11%.

We have supported nearly 170 instances of interoperability for improved health and education data use.

About JSI

JSI is dedicated to improving lives through better health and education outcomes for individuals and communities and to providing an environment where people of passion can pursue this cause.



Learn more at www.JSI.org

Our Impact in Data Use and Digital

Digitizing Ethiopia's Health Sector

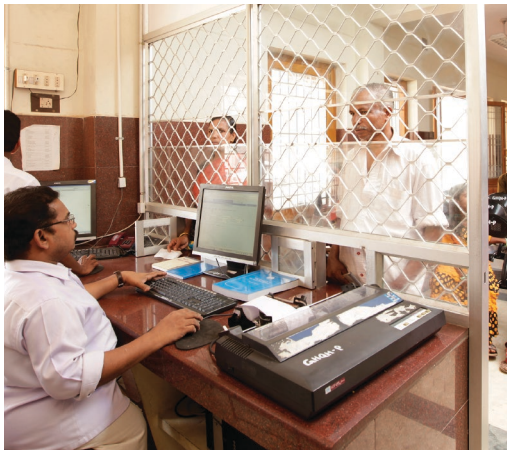
Over 30 years of partnership with Ethiopia's Ministry of Health has positioned JSI as the preferred partner to complete digitization of the country's health sector. We work hand-in-hand with the Ministry of Health, partners including universities and research institutions, and with support from the U.S. Government, Gates Foundation, Children's Investment Fund Foundation and others to co-design a sustainable, resilient, interoperable health information system. This enables the entire health sector to easily access data and analytics, align priorities, and improve health outcomes.

Achievements:

- Deployed 18 digital health solutions while building interoperability layers to allow them to share information seamlessly
- Expanded access to the electronic community health information system to 8,000 health posts, testing new modules and improving disease diagnostics through AI
- Implemented electronic medical records in 11 major health centers, reducing mortality by 11%
- Improved interoperable logistic management solutions, offering real time data, improving product availability by 15%, cutting stockouts by 31%, and reducing waste by 8%

Interoperable Health Systems Strengthen Global Health Security

The JSI-led Country Health Information System and Data Use (CHISU) Project strengthened health information systems across more than two dozen countries to support global health security systems; infectious disease responses (including HIV, TB, COVID-19, and malaria); reproductive, maternal, newborn, and child health programs; and nutrition programs. The project enhanced existing digital health systems, promoted interoperability, and supported the use of DHIS2 dashboards for epidemic detection. This work bolstered the organizational and technical capacity of local academic institutions, government, non-government, and private sector partners, while advancing health information system governance in several countries.



Achievements:

- Enhanced **67** existing digital health information systems in **25** countries to strengthen quality healthcare and supply chain management
- Supported use of a DHIS2 in **over 100 instances,** strengthening infectious disease identification
- Supported the development of a locally-led One Health approach, **enabling timely response to emerging health threats**

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