



JOHN SNOW, INC.

Supply Chain for Health: Tanzania

JSI has been working to strengthen Tanzania's health system for over 35 years. To improve health commodity security, we have provided innovative and sustainable supply chain solutions in procurement, storage, data management and capacity building to health care workers. JSI has successfully strengthened systems for health commodity security for HIV and AIDS, malaria, reproductive, maternal and child health, tuberculosis and leprosy and essential medicines.



Unparalleled Global Results

Health and family planning programs succeed only when the supply chain delivers a reliable and continuous supply of affordable, high-quality medicines, contraceptives and other essential commodities, when and where they are needed. With over 35 years of experience, JSI is the world leader in health supply chain management and continues to find innovative ways to improve supply chain performance.

JSI's supply chain work spans the breadth of the supply chain from procurement to last-mile delivery. We collaborate with national governments, donor agencies, NGOs, the private sector, and private foundations to quantify commodity needs, procure quality-assured health supplies, provide seamless transport and distribution solutions, leverage third-party logistics providers, design and optimize supply chain management systems, build capacity to manage those systems, improve data visibility, and leverage state-of-the-art IT solutions. At JSI we are first and foremost passionate about public health and the communities and individuals who rely on health programs.

Supply Chain Achievements in Tanzania

Building on our global supply chain expertise, JSI logistics experts in Tanzania support the Ministry of Health, Community Development, Gender, Elderly and Children in the Mainland and Ministry of Health in Zanzibar and their related departments and agencies to strengthen the systems that deliver products to people. We have been closely involved in supply chain technical assistance planning and delivery since 2006, improving the availability of health supplies at the last mile, and the visibility of information end to end. To achieve these goals, we have introduced sustainable health systems-related technologies and innovations, including:

Institutionalize sound supply chain management practices in the Ministry of Health, Community Development, Gender, Elderly and Children through the establishment of the Logistics Management Unit (LMU): In collaboration with the Global Fund, JSI has facilitated the establishment of the LMU to coordinate and oversee logistics management of different program supply chains under one unit. LMU staff have been instrumental in identifying supply chain problems and then developing and implementing solutions.

OUR MOTTO

NO PRODUCT, NO PROGRAM

Development and deployment of a web-based, electronic Logistics Information Management System (eLMIS):

At the onset of supply chain management system (SCMS) project implementation there were numerous, uncoordinated supply chain actors in TZ and no synchronized information system to connect them. JSI designed and integrated into a web based system, the paper based logistics system of seven program supply chains including HIV, malaria, reproductive and maternal health, immunization, tuberculosis and leprosy, essential medicines and laboratory reagents and equipment. The eLMIS provides end to end visibility along the supply chain for informed policy decision making – from national procurement planning, to replenishing health facilities at the last mile.

Improved quality assurance through testing in select laboratories:

JSI collaborated with the Muhimbili University of Health and Allied Sciences (MUHAS) School of Pharmacy and renovated the Instrumental Analysis Instructional Laboratory thereby creating an improved testing environment that generates credibility and confidence for locally procured medicines. We also installed Tanzania's first Heating, Ventilation and Air Conditioning Unit (HVAC) at the Tanzania Food and Drugs Authority (TFDA); providing a sterile environment for quality testing. These two laboratory facilities will provide a center for testing. Additionally, knowledge transfer will contribute to producing a pool of skilled technicians who will further improve the quality of medicines in Tanzania and the region.

Data for strategic and operational supply chain decision making:

JSI's inSupply Project continues the work initiated under the USAID | DELIVER PROJECT to develop and roll out a Vaccine Information Management System (VIMS) module in

Tanzania. VIMS supports Tanzania's eHealth Strategy to track vaccine and related commodities, cold chain assets, and routine immunization data from the facility level through the districts, zonal, and national levels. inSupply is also testing innovative supply chain solutions, including the use of unmanned aerial vehicles (UAVs) to deliver commodities with unpredictable demand that if resupplied rapidly could help save lives.

Assembled six state of the art warehouses in Tanzania and automated the inventory control system at the Medical Stores Department (MSD):

In 2009, we initiated the procurement and assembly of the first of six state-of-the-art storage facilities, known as a warehouse-in-a-box (WiB), consequently expanding storage capacity to 15,200m² in Dar es Salaam, Mbeya, Dodoma, Mwanza, Tabora and Tanga. These storage facilities have a life span of 30-40 years and come complete with infrastructure, equipment, and skills transfer for rapid assembly of a fully-functional, ready-to-use pharmaceutical warehouse. The WiBs add much needed space for pharmaceutical and bulk health commodities, with a cost-savings for MSD of \$1.2 million per year (at 100% utilization) as a result of owning versus leasing warehouses. Installation of the WiB also helped improve training of staff on good warehousing practices and supported the implementation of the **enterprise resource planning (ERP)** and the **mSupply software** at the MSD and Central Medical Stores (CMS) stores.

Integrated Supply Chain Management in Pre Service Training in institutions of Higher Learning:

Developed a pre-service supply chain management training curriculum for pharmaceutical-sector students at Muhimbili University of Health and Allied Sciences (MUHAS) and Institute of Health and Allied Sciences (IHAS). Integrating supply chain management training into these institutions helps to institutionalize capacity building, by ensuring that new pharmacists and clinical staff have a basic understanding of these issues when they start new jobs.

CURRENT AND PREVIOUS PROJECTS IN TANZANIA:

- Supply Chain Management System (SCMS)
- USAID | DELIVER PROJECT
- Maternal and Child Health Integrated Program (MCHIP)
- Maternal and Child Survival Program (MCSP)
- Community Health Systems Strengthening Program (CHSSP)
- AIDSFree Program
- Measure Evaluation
- Resources for Child Health (REACH)
- Tanzania School Health Program
- inSupply Project

SUPPLY CHAIN CLIENTS WORLDWIDE

- USAID
- Bill & Melinda Gates Foundation
- Gavi, the Vaccine Alliance
- UNICEF
- UNFPA
- The Global Fund
- Individual Governments

- Portfolio of over **150** health supply chain projects in over **100** countries for over **35** years.
- We have worked on every aspect of the end to end supply chain and provided more than **800** person-years of technical assistance in Africa, Asia, the Middle East, Europe, Latin America and the Caribbean, as well as in the United States.

- Since 2007 alone we have conducted or directly supported procurements valued over **\$1.8 billion**.
- We have trained or facilitated the training of more than **100,000** health professionals around the world in supply chain management.