

Why Invest in eLMIS?

Better data management leads to better health outcomes

Move beyond data collection to decision-making and impact. With a strong electronic management information system (eLMIS), valuable logistics data is



always at your fingertips. Managers with visibility into all supply chain functions can make the right decisions, leading to better product availability and better health outcomes.

Benefits of eLMIS



Improves supply chain cost-effectiveness



Improves data quality and decision-making



Reduces workload for health staff



Increases accountability



Provides current and historical data



Interfaces with other e-tools

Why eLMIS?



What to Expect

Before implementing an eLMIS for a health supply chain, countries must assess if they are ready to begin a development process that requires significant time and resource commitments. Questions to ask include—

- whether an effective LMIS process is already in place that the eLMIS can be based on
- whether you have enough time to implement an eLMIS
- whether you have the financial resources to implement an eLMIS
- whether you have buy-in and support from senior leadership.

Implementations can take from a few months to more than a year and cost several hundred thousand to several million dollars, depending on the level of development, number of sites, host country readiness, infrastructure, and host country team capacity. It is important also to consider the cost of ownership, not only development, when calculating total cost of implementation.

How to Get Started

Getting the right expertise on board is essential when you are ready to determine the feasibility of implementing an eLMIS.You will need an experienced team to evaluate readiness and requirements, as well as to narrow down options for which type of eLMIS works best in your local context, including free, open source, and commercial solutions.

Several countries that are managing public health supply chains have adopted an open source or public domain eLMIS, which has no initial or recurring licensing fees. JSI has developed and implemented many types of eLMIS, including full-featured open source systems that leverage investments from multiple donors and partners. As a contributor to the OpenLMIS codebase, JSI facilitates collaborative efforts to design, develop, and share Internet-enabled LMIS that can be developed and customized for local deployments. These deployments have included the following characteristics:

- features supporting medical and cold chain equipment inventory and maintenance
- interoperability with other information systems (e.g., warehouse management, medical records, laboratory management, enterprise resource planning systems, and health information management systems)
- tools facilitating data collection in low-infrastructure environments for review, aggregation, analysis, and forecasting
- real-time management of all health commodities from point-of-origin to the point-of-delivery.

Choosing an eLMIS that fits the local environment and is scalable to sustain future growth is critical to meeting the needs of a country's population. With the right eLMIS, countries can build the supply chain capacity needed to support the health needs of the future.

Pakistan

Vaccine/Contraceptive LMIS (vLMIS/cLMIS)



Public domain LMIS with barcoding technology. Interfaces with warehouse management systems and the Reproductive Health

Interchange. Used for managing public health commodities, including vaccines. Deployed in more than 1,600 warehouses and service delivery sites.

Malawi

cStock

cStock is a mobile based logistics management information system, using RapidSMS, with a webaccessible dashboard. Used



for reporting and resupplying child health and family planning products to Health Surveillance Assistants (HSAs). Currently used by all 3000+ HSAs in Malawi.

Tanzania/Zambia

OpenLMIS



A collaborative project based on OpenLMIS, an open source platform. Interfaces with ERP and warehouse management systems. Integrates all public health commodities and accommodates the

specials needs of vaccines. Deployed in central and regional warehouses, and more than 8,000 service delivery points.

JSI is a health care consulting and research organization dedicated to improving the health of individuals and communities around the world. With more than 30 years' experience in public health supply chains, JSI offers innovative solutions to supply chain management problems in the public health sector. By applying a broad range of interventions, tailored to local needs, JSI delivers sustainable results in challenging environments.

For more information about JSI's eLMIS projects, please visit www.jsi.com/ict