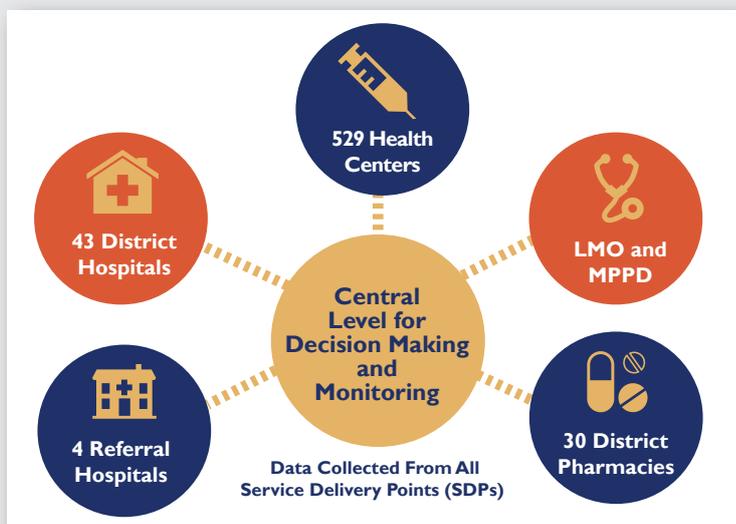


Improving the Delivery of Critical Medical Supplies in Rwanda

eLMIS: A nationwide chain-of-custody pharmaceutical supply service for essential medicines and healthcare products

To strengthen the forecasting, supply planning, and logistics of all essential health commodities and products, Rwanda, with support from the Global Fund and USAID, implemented a cloud-based electronic logistic management information system (eLMIS) covering the entire distribution of pharmaceutical products in Rwanda. The eLMIS has improved access to key data for decisionmaking down to the last mile in real time, leading to improvements in health systems performance and ensuring availability of critical medical supplies.



Improved Data Collection

Paper-Based LMIS

E-LMIS

Manually intensive paper records collection over **3** months

Automated processes with real time data

5 day order processing period

2 hour order processing period

Limited ability to track items

70% reduction in data entry errors resulting in significant improvement in data integrity

Lack of real time supply and demand planning data

Availability of consumption data, facility min/max, and days of supply

3 staff over **1** week needed for inventory management and logistics

LOE and management costs reduced to **1** staff person and **3** days for inventory management and logistics

Challenges in projecting stock outs

90% increase on-time deliveries, leading to decrease in stock outs

Challenges in tracking or measuring performance indicators

70% increase in accurate shipping and tracking of all items

Improved Decisionmaking for the Health System

Strategic Decisionmaking

Through national and geographical consumption and distribution patterns, Rwanda is strengthening supply chain strategy, managing supply chain risks, and improving IT system performance.

Operational Decisionmaking

By monitoring daily consumption, scheduling, balance on hand, inventory management, and warehouse management, Rwanda can make accurate decisions regarding stock replenishment, stockout management, expiry management, wastage management, and distribution planning.

Tactical Decisionmaking

With stock availability, stock accuracy, transportation information, inventory logistics, distribution schedules, and management of warehouse inventory, Rwanda is able to strengthen supply and demand planning, optimize transportation processes, control inventory costs, and minimize risks that lead to stockouts, expiries, and wastage.