



Electronic Logistics Management Information System implementation in Rwanda: Ensuring commodity security through effective management of logistics data

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Background



- Quality and timely logistics data is essential for efficient supply chain management for public health commodities
- Since 2010, Rwanda has been using harmonized paper based LMIS
- Challenges in the use of the paper-based system for the health LMIS included data accuracy, timeliness and feedback response time
- To address these challenges, the Ministry of health with the support from the Global Fund and USAID through the USAID Global Health Supply Chain Program- Procurement and Supply Management (GHSC-PSM) project implemented an e-LMIS to provide real-time inventory data, order visibility, coordinated order processing and warehouse management functionalities
- The e-LMIS was rolled out in 2014 to replace the paper-based LMIS reporting system



A Healthy People. A Wealthy Nation

Objective

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REPUBLIC OF RWANDA
MINISTRY OF HEALTH

eLMIS Login

Sabagirirwa.Vincent

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LOGIN

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one

To share how using an electronic logistics management information system (e-LMIS) has improved real time data visibility to inform decision making

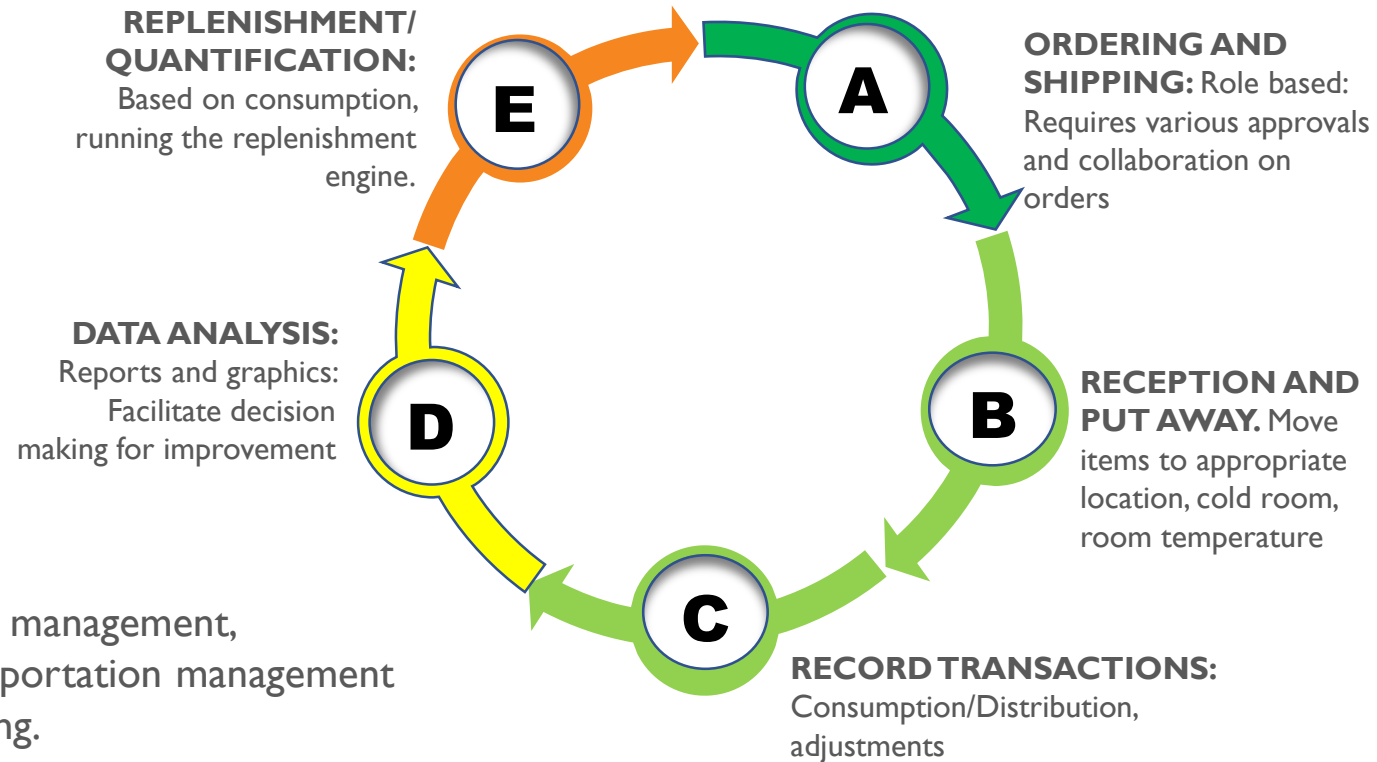


Methodology

- In 2012, the MOH and partners (Global Fund and USAID) gathered eLMIS functional and system requirements
- In 2014, a phased approach was taken to roll out the system countrywide to 559 service delivery points (SDPs), 30 district pharmacies (DPs) and the central level warehouse store
 - Medical Procurement Production Division (MPPD)
 - Process orders from DPs and referral hospitals
 - District Pharmacies (DPs)
 - Order and receive commodities from the central medical store
 - Process orders from Service Delivery Points (SDPs).
 - Service Delivery Points (SDPs)
 - Use the e-LMIS to place and receive monthly orders for health commodities from DPs
 - Record daily consumption data from health commodity registers dispensed to the patients



e-LMIS process operations



Key functions:

Order management, inventory management, warehouse management, transportation management and supply and demand planning.

- Serialized item and lot tracking.
- Supply chain-wide shipment visibility, with event notifications.
- Integration with existing WMS ERP (Sage L500) and DHIS2 (HMIS).
- 6639 SKU Items
- 2026 active e-LMIS users



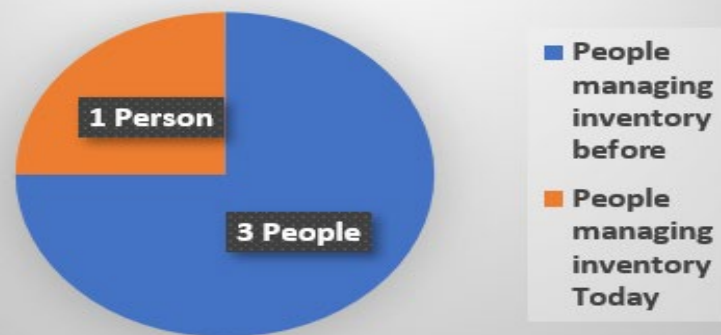
Results

- Accurate e-LMIS data are increasingly used by the Ministry of Health and partners to:
 - Track key supply chain indicators
 - Inform strategic activities in health supply chain management
 - To inform decision making



Results

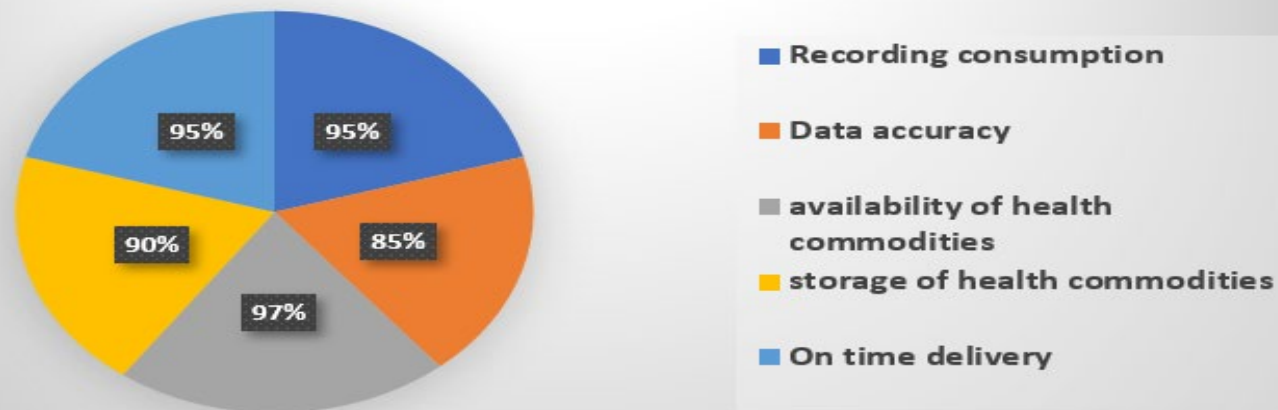
The effort required to manage inventory reduced



The effort required to process an order reduced



e-LMIS Utilization Improved





Conclusions



- The e-LMIS has significantly strengthened health commodity management by automating supply chain and logistics processes from central level to service delivery points.
- Data visibility is readily available for decision makers to strategize supply chain interventions.
- Much as e-LMIS is a success story in the supply chain for health commodities in Rwanda, it continues to be work in progress with emphasis on monitoring and sustainability required



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