The Impact of Standards-Based Open Source LMIS for Sustainable Supply Chain Management

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Tenly Snow
OpenLMIS Community Manager
The goal

Today, I hope that you leave with a better understanding of:

1. What OpenLMIS is and what is in the latest release

2. Where OpenLMIS fits into a country’s information system landscape and where it can provide value

3. Ways to engage with the OpenLMIS Community and learn more about potential implementation

If I don’t meet this goal or if you’d just like to learn more, please get in touch after the presentation
Tenly Snow
OpenLMIS Community Manager
Support and develop community processes, facilitate communication between partners, identify new opportunities for partnerships and implementations.

Topics
- Community
- Vision
- Features
- Impact
- Standards
- Getting involved
Community
OpenLMIS Initiative

Donors

Implementers

Technology Partners
Community

Governance Committee
Leadership for the community.
- defines community processes
- leads fundraising and advocacy efforts

Members: Senior representatives of Trusted Community Partners

Product Committee
Helps “build the right product.”
- discuss roadmap requirements and new features
- reviews contributions from implementations

Members: Community partners with technical experience

Technical Committee
Builds the product the “right way.”
- manages the system architecture
- sets clear standards for code quality

Members: Software developers and active OpenLMIS developers

OpenLMIS Trusted Partners have experience implementing OpenLMIS and other Health Information Systems (HIS) tools.

These partners are available to support OpenLMIS implementations in a variety of ways.
Vision
The OpenLMIS Software Vision

Shared Investment, Shared Benefit
Promoting code reuse through microservices architecture and community approach

Interoperable
Standards-based, API-driven interoperability to work with almost any other system

Configurable and Extensible
Modular architecture enables extensibility without forking
Features
Version 3 Key Features

- Modular Architecture for Extensibility
- Requisitions (Ordering)
- Stock Management and Local Fulfillment (Inventory Management)
- Vaccine Management
- Reporting and Analytics

- Modular, API-driven approach emphasizes extensibility and ease-of-customization
- Request new stock based on consumption or estimated need
- Quality, real-time, data on stock availability for supply chain managers
- Cold chain inventory and vaccine stock management, vaccine logistics data
- Open source, big data warehouse and analytics infrastructure with visualizations
Analytics Infrastructure

Capture
- Streaming Data
- Static Data
- Data Collection Apps

Process
- Ingest, Merge + Clean
- Powered by Apache Kafka, Apache Hadoop and Druid

Organize
- Deep Storage + Fast Queries

Visualize
- Self-Service Analytics
- Third Party Data Apps

AI + Smart Alerts
Integrations

**OPENSRP**

- Connects dispensing and supply information at the point of care
- Proof-of-concept built with Ona

Supports offline health records for all registered clients
Manages stock is able to match the client to commodity disbursement

**NEXLEAF ANALYTICS**

- First time RTM data is directly available within the OpenLMIS core platform
- Leverages the FHIR standard for exchanging information on facilities and devices

Notifies users about outages in cold chain equipment
Within OpenLMIS, logisticians can review CCE status when planning resupply
Impact
OpenLMIS manages logistics processes for over 10,000 health facilities across Africa through 9 implementations. Increasing data visibility and timeliness, and reducing stockout frequency and duration.
OpenLMIS makes it easier for me to elaborate reports at the end of each distribution.

Mumino Amisse, Provincial EPI Manager (Cabo Delgado)
With OpenLMIS we have an accurate view of actual consumption. Before, it was hard to know what we actually needed. Having access to this data has helped to reduce stockouts and also address the issue of overstocking.”

Provincial Medical Chief, Mozambique (Bertur Alface)
### How countries have performed with OpenLMIS

<table>
<thead>
<tr>
<th></th>
<th>Without OpenLMIS</th>
<th>With OpenLMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time taken to perform order calculations</td>
<td>3 hours</td>
<td>1 minute</td>
</tr>
<tr>
<td>Stockout rates</td>
<td>19%</td>
<td>5%</td>
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</table>
Standards
Standards based interoperability
Getting Involved
New Support Materials

Implementer Toolkit

Before You Start
Learn more about OpenLMIS and determine the scope of the implementation.

0. Get Started
   Lay the groundwork for a successful deployment

1. Plan
   Develop your project plan for an OpenLMIS deployment

2. Implement
   Set up, customize, and deploy OpenLMIS

3. Expand
   Scale up your deployment from a pilot

4. Maintain
   Keep your system running and take advantage of new releases and features
Getting involved

Contribute to the toolkit

The OpenLMIS Implementer Toolkit is only as good as its contributors!

We welcome feedback and additional resources to help make the Toolkit a valuable and useful guide

Join the Community

What sets OpenLMIS apart is the support of highly skilled and experienced partners

Add your voice to this growing community of global health leaders and help make OpenLMIS even better
Learning more

openlmis.org
Blog posts, implementation map, features, tools, and the Implementer Toolkit can be found on the OpenLMIS website.

Wiki
The wiki is the source for community meeting notes, committee descriptions, product design considerations, project management, and the living product roadmap.

Documentation
ReadtheDocs contains developer-oriented OpenLMIS documentation. Users can find developer docs, ERD schemas, an OpenLMIS coding style guide, and API documentation.

Visit the OpenLMIS YouTube channel for demo videos and more
1. WHO WE ARE

An open source technology solution and initiative that can help countries actively manage their complex supply chains.

2. WHAT WE CAN DO

End-to-end data visibility, with improved access and quality data to address barriers to data usage--- OpenLMIS improves data reporting and makes it enticing.

3. WHAT SETS US APART

OpenLMIS strives for standards-based interoperability and provides a highly configurable and extensible system to meet countries where they are at.

4. HOW CAN WE WORK TOGETHER

OpenLMIS has no software licensing fee – allowing countries to focus investments on people, processes, and improving local health systems.
Thank you

Come chat now with questions

openlmis.org
info@openlmis.org