



## The goal

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

- 1. What OpenLMIS is and its main features
- 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

### Presenter & Topics



# Rebecca Alban OpenLMIS Community Manager

Manage communications, advocacy, and new business opportunities. Coordinate partners and community

### **Topics**

- Community
- Vision
- Features
- Impact
- Standards
- Getting involved









### 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





### OpenLMIS Initiative-Strength in numbers

**Trusted Partners** 































Community Members











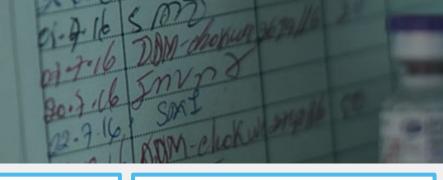






## Community







#### 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.



### **OpenLMIS Trusted Partners**



















Leaders in the global health, technology, system design, software development who implement and support OpenLMIS deployments.

#### Expertise in:

- Information systems development, management & Implementation
- Requirements gathering, gap analysis
- Health supply chain management, including vaccines
- Integrations- mobile, ERP
- Training, stakeholder management

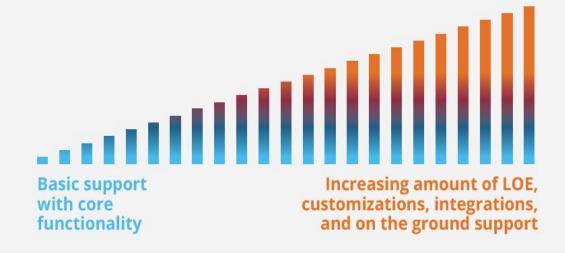




### Flexible Hosting & Deployment Models

# Range of implementation support offerings

The level of implementation support offered is flexible, and customized based on a country's specific needs:



 Can be hosted in-country or in the cloud; can be hosted on premise or OpenLMIS managed services (SaaS)







### OpenLMIS Features



#### Requisitions:

Use stock data to generate orders for a configurable approval process.



#### Analytics and Reporting:

Use and display data with intuitive visualization that support decision-making.



#### **Order Fulfillment:**

Fulfill and ship orders based on stock on hand and send a Proof of Delivery from the ordering facility.



#### Mobile Integration:

Connects dispensing and supply information at the point of care through an integration with OpenSRP.



#### Stock/Inventory Management

Captures inventory data and stock movements to provide an overview of stock availability

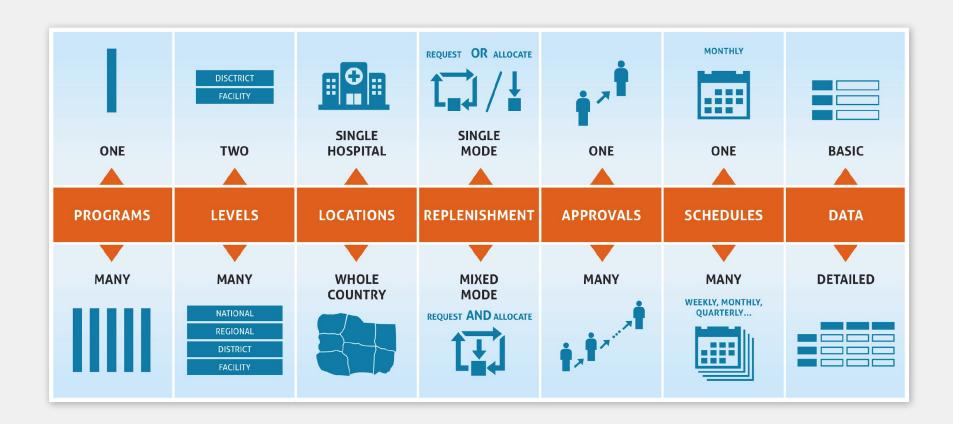


#### Equipment (CCE):

Track cold chain equipment inventory, functional status and receive real-time alerts on device temperature.



### Configurability





### Integrations





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

Supports offline health records for all registered clients

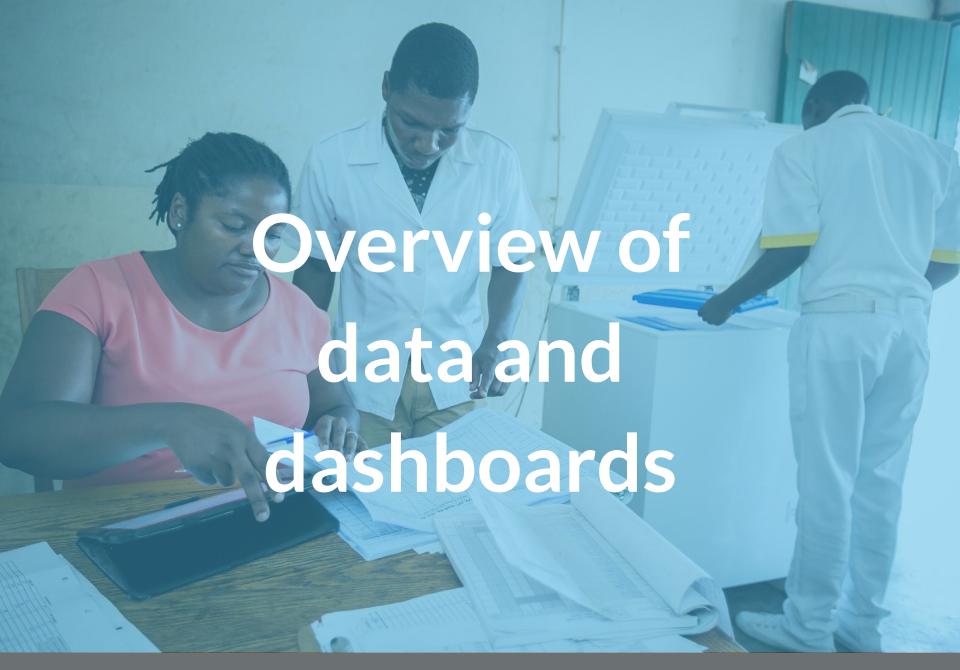
Manages stock and is able to match the client to commodity disbursement

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

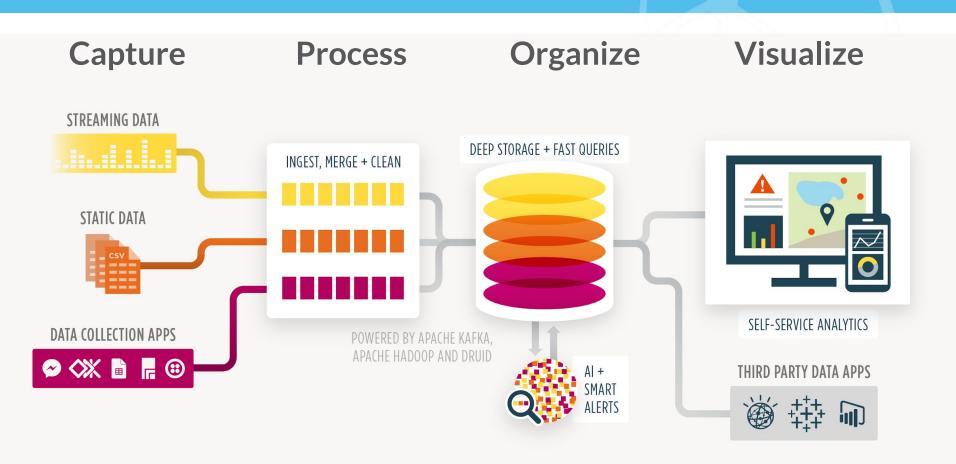
Notifies users about outages in cold chain equipment

Within OpenLMIS, logisticiens can review CCE status when planning resupply

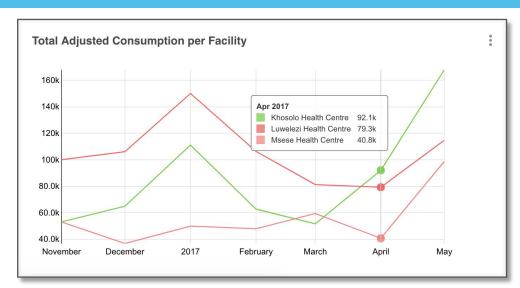


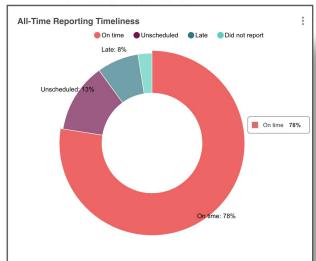


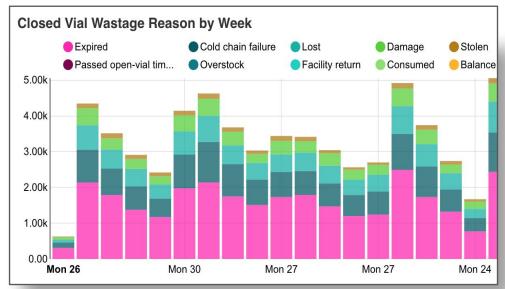
### **Analytics Infrastructure**

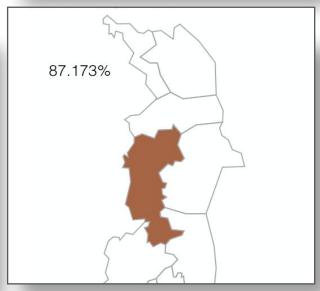


### **Auto-Generated Reports**











Through 9 implementations

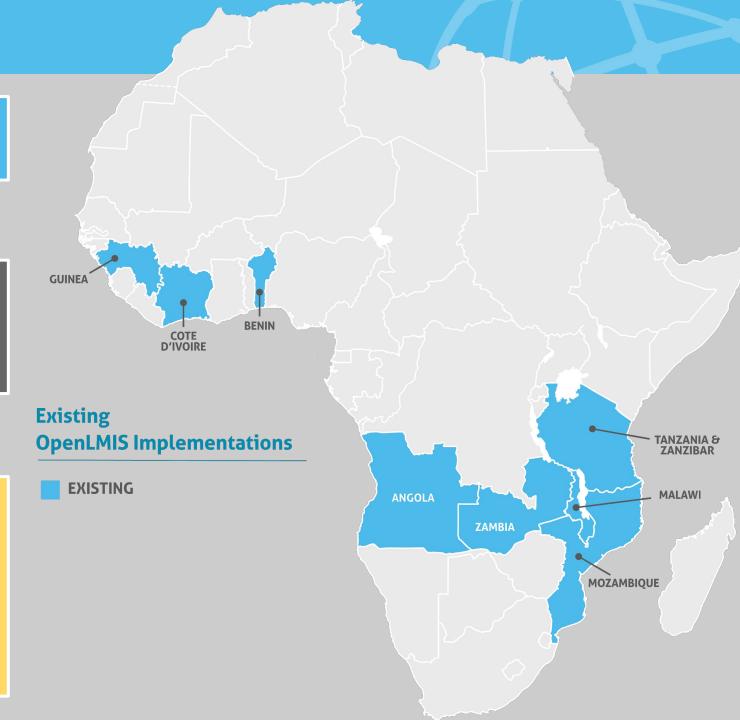


OpenLMIS manages logistics processes for over **11**,000 health facilities across Africa



Increasing data visibility and timeliness

Reducing stockout frequency and duration







Provincial Medical Chief, Mozambique (Bertur Alface)

### How countries have performed with OpenLMIS

Time taken to perform order calculations

Without OpenLMIS

With OpenLMIS

3 hours

1 minute

Stockout rates

19%

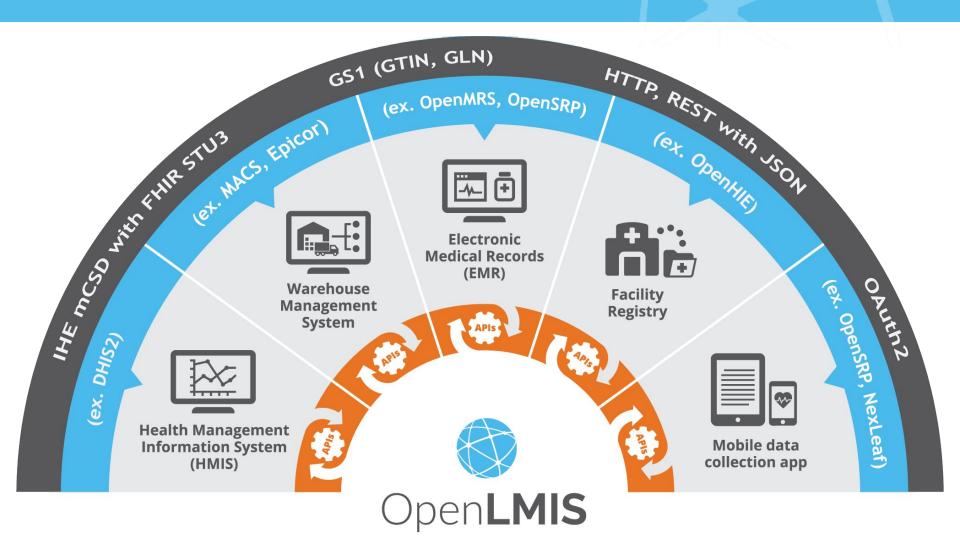
5%

Source: User Satisfaction Survey, Mozambique, 2014



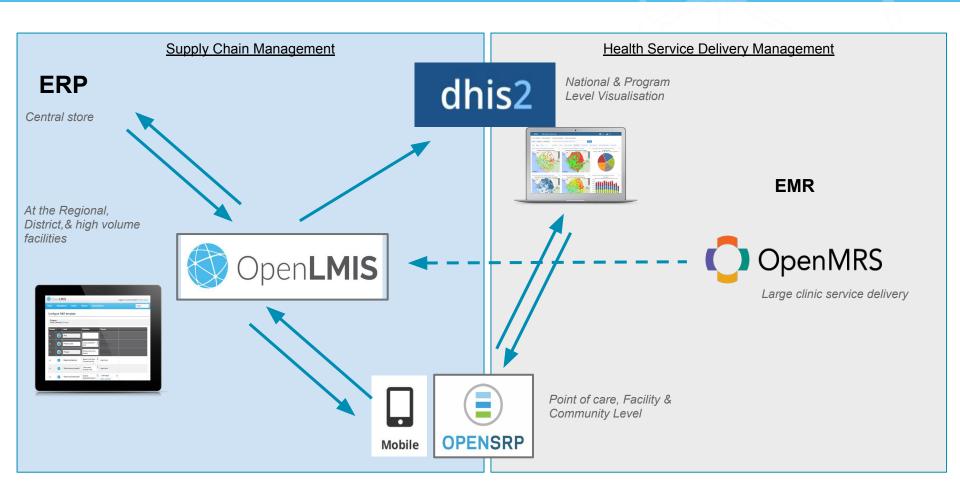


### Standards based interoperability



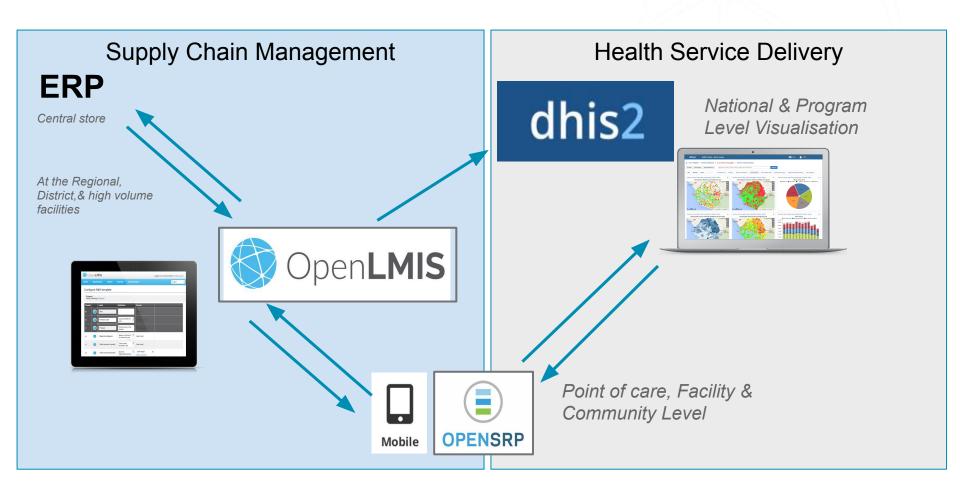


### Open Source Ecosystem-shared benefits





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### New Support Materials

# Implementer Toolkit

### Before You Start

Learn more about OpenLMIS and determine the scope of the implementation. >





#### Get Started

Lay the groundwork for a successful deployment



#### Plan

Develop your project plan for an OpenLMIS deployment



#### Implement

Set up, customize, and deploy OpenLMIS



### Expand

Scale up your deployment from a pilot



#### 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



### **Takeaways**

#### 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.

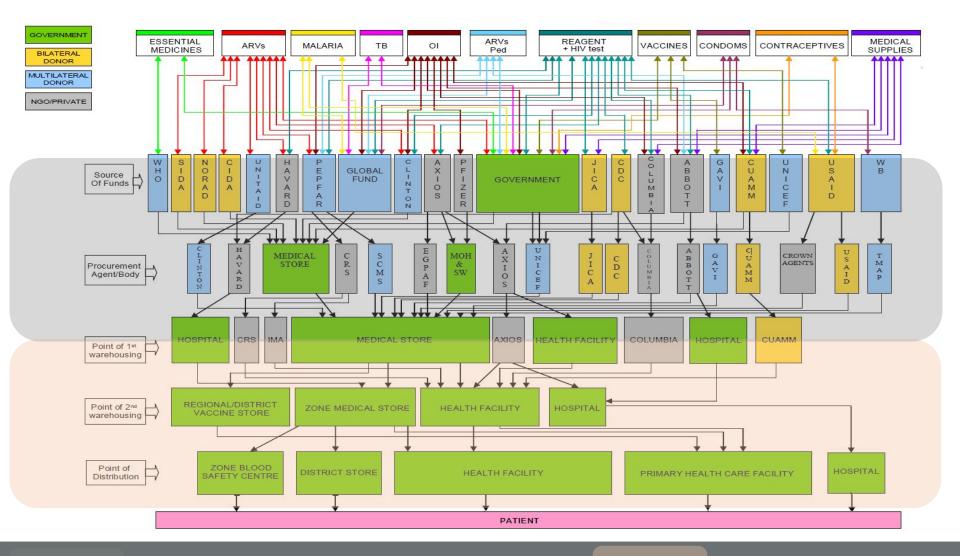




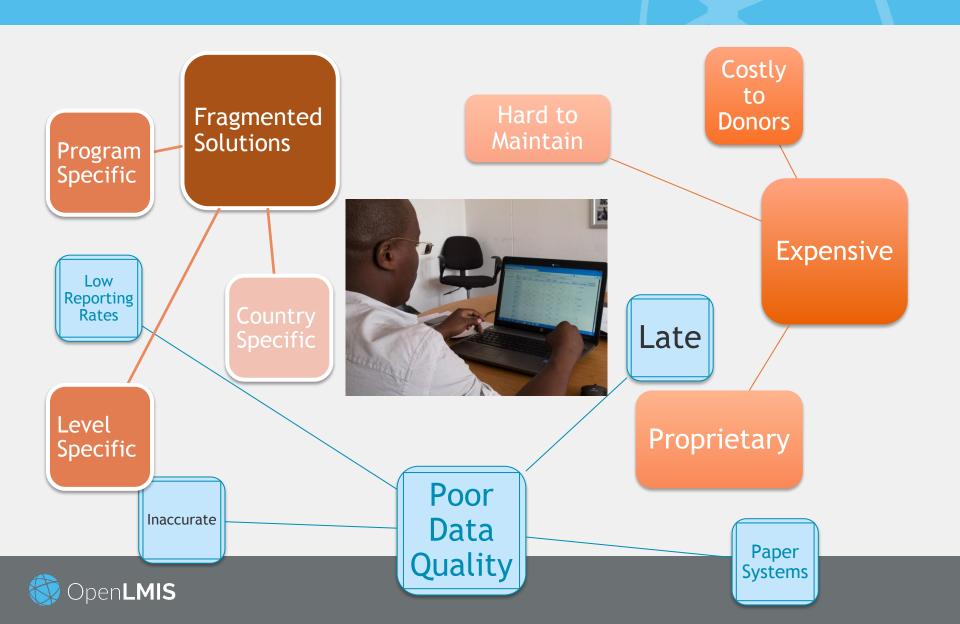
### Additional slides



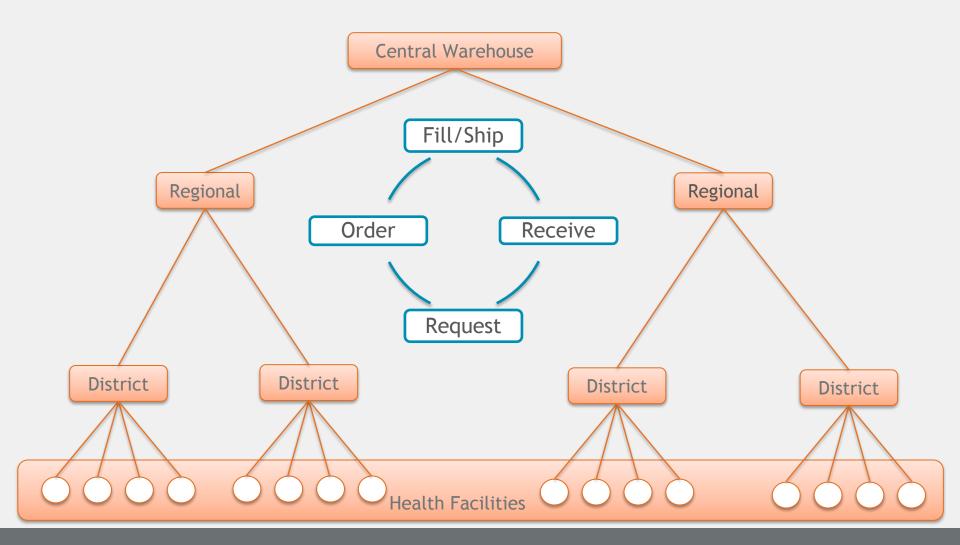
### Complex Supply Chain Environment



### Information System Challenges



### OpenLMIS Requisition Workflow

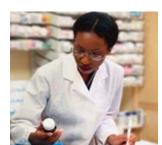




### "Pull" System Workflow

**District** 

Facility



In-Charge



District Manager

Warehouse



Warehouse Clerk

Release Order **Delivery Site** 



Delivery Driver

Enter Proof of Delivery

Ship in Warehouse

Submit Requisitio

Store Room

Clerk

Authorize Requisition Approve Requisition

**System Administration** 

Example workflow. Actual workflow can be configured to match target fulfillment process.