Implementing GS1 Standards to Enable End-to-End Data Visibility in Global Health Supply Chains

Objectives

- Enable End-to-End Data Visibility
- Implement Supply Chain Efficiencies
- Enhance Supply Chain Security
- Increase Patient Safety

Methods

**Develop Supplier Requirements**
- Engage suppliers on capabilities and feasible timelines
- Develop a procurement requirement for standards-based product identification, labeling, and data exchange
- Adopt a phased approach to ensure realistic timelines
- Develop resources to support implementation, including a Global Standards Technical Implementation Guide and FAQ
- Implement requirements in GHSC-PSM contract Terms and Conditions

**Strategic Engagement**
- Select members of the global health donor community expressed interest to align with GHSC-PSM global standards requirements
- GHSC-PSM convened global health health donor working group to modify existing guideline and build consensus to align across organizations

**Donor Harmonization**
- Alignment of requirements across select donor agencies
- Established implementation timelines for Global Fund, Global Drug Facility / Stop Tuberculosis, UNDP, UNFPA, and USAID.
- Clear mandate for mutual suppliers to justify investments in developing new capabilities

**GS1 Global Data Synchronization Network**
- Establish contract with GS1 GDSN-certified data pool
- Collaborate with GS1 GDSN working group to address attribute gaps
- Develop GHSC-PSM Data Sync Attribute Guide and supporting Data Sync Technical Implementation Guide
- Host a series of supplier webinars to raise awareness of GHSC-PSM GDSN requirement

**ARTIMIS-GDSN Integration**
- GHSC-PSM’s Automated Requisition Tracking Management Information System (ARTIMIS)-GDSN integration is live as of February 2018
- Successful pilots with Abbott and Johnson & Johnson
- As of March 2019, GHSC-PSM is actively synchronizing data from at least 5 suppliers
- Suppliers aware of requirement to synchronize product master data via GDSN by December 2019

**Country Implementation Guidance**
- Conduct desk research and consult industry experts
- Develop a framework to guide GHSC-PSM country programs in systematically organizing efforts to operationalize and execute pharmaceutical traceability
- Publish a tool that supports the development of a vision, strategy, and implementation road map specific to a given country environment

**Technical Assistance to USAID Country Programs**
- **Rwanda.** Supported MOH to host national workshop to develop national traceability vision and strategy
- **Ghana.** Implemented GS1 standards as foundation for master data in new public sector LMIS
- **Angola.** Conducted readiness assessment for using GS1 AIDC standards at central warehouse
- **Malawi.** Hosted advocacy and awareness workshop for health sector stakeholders

Results

**Supplier Compliance**
- As of March 2019, GHSC-PSM has received:
  - GTINs for nearly 2,000 items
  - GLNs for more than 40 suppliers
  - Confirmation of data carriers that meet GS1 standards for healthcare on more than 450 tertiary pack trade items
- Confirmation of data carriers that meet future requirements for secondary packs and logistic units on more than 120 trade items

**Country Implementation**
- **Malawi.** Hosted advocacy and awareness workshop for health sector stakeholders