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

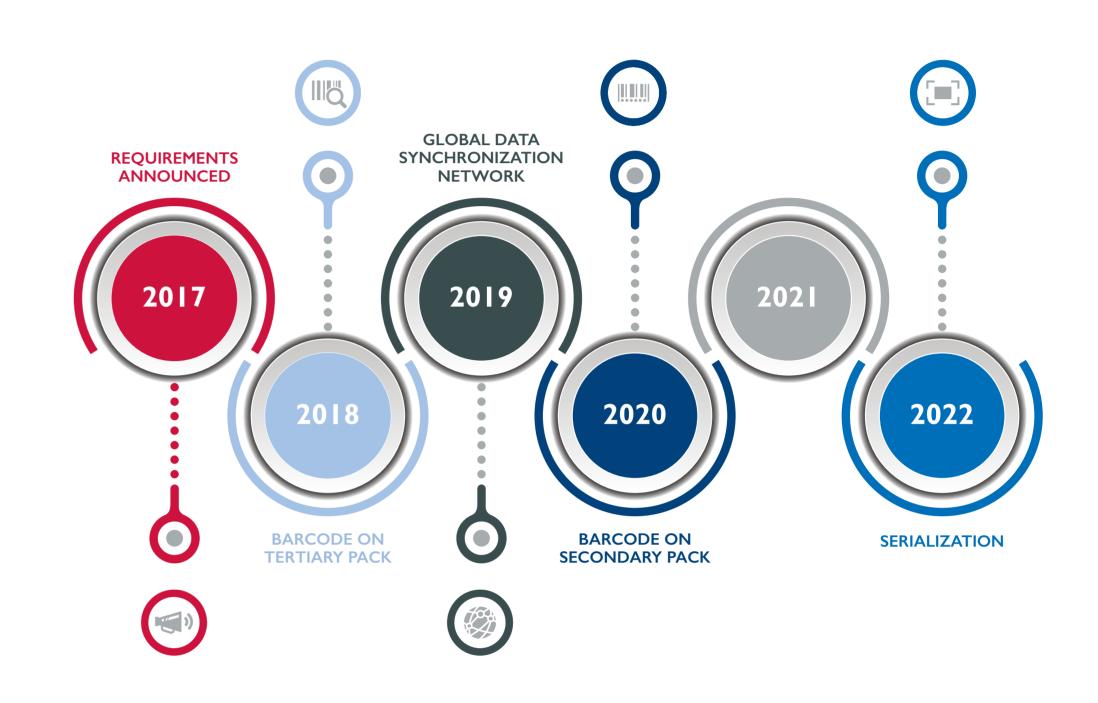## Methods

Results

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 timeles
— Develop resources to support implementation, including a Global Standards Technical Implementation Guide and FAQ
— Implement requirements in GHSC-PSM contract Terms and Conditions

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

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.
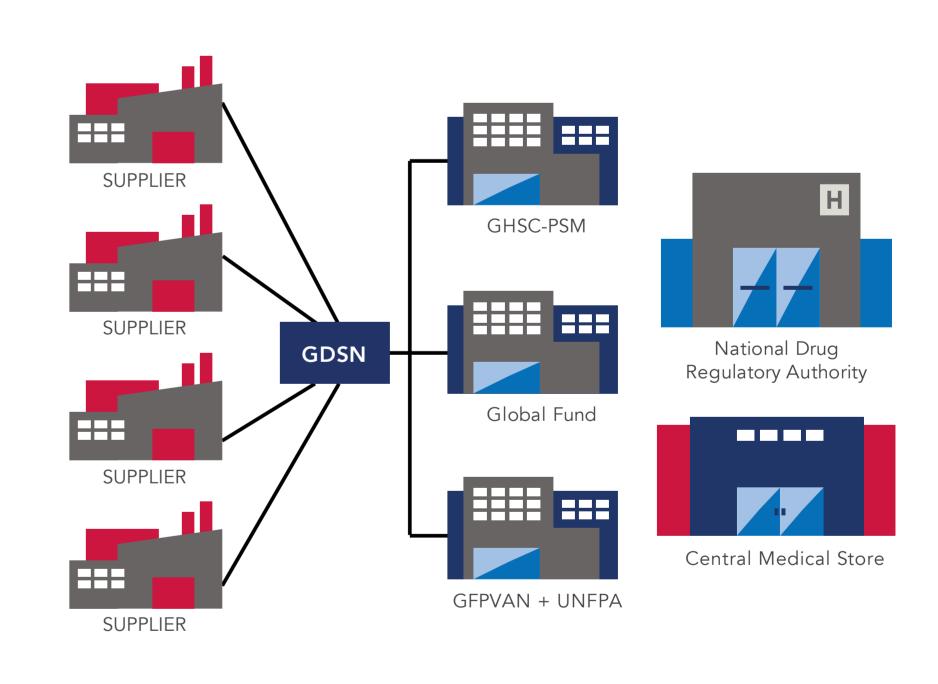— Clear mandate for mutual suppliers to justify investments in developing new capabilities

GS1 Global Data Synchronization Network

— Establish contract with GDSN-certified data pool
— Collaborate with GS1 GDS 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

ARTMIS-GDSN Integration

— GHSC-PSM's Automated Requisition Tracking Management Information System (ARTMIS)-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

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