



GS1 Healthcare Global Conference 2023 Connecting the future of healthcare with a simple scan

3-5 October - São Paulo, Brazil & Virtual

HealthcareConference.gs1.org













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Speakers





Violet Ketani Global Standards & Traceability Lead USAID GHSC-PSM (USA)



Kaitlyn Roche Data Visibility SME USAID GHSC-PSM (USA)



USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM

Procurement and Supply Management

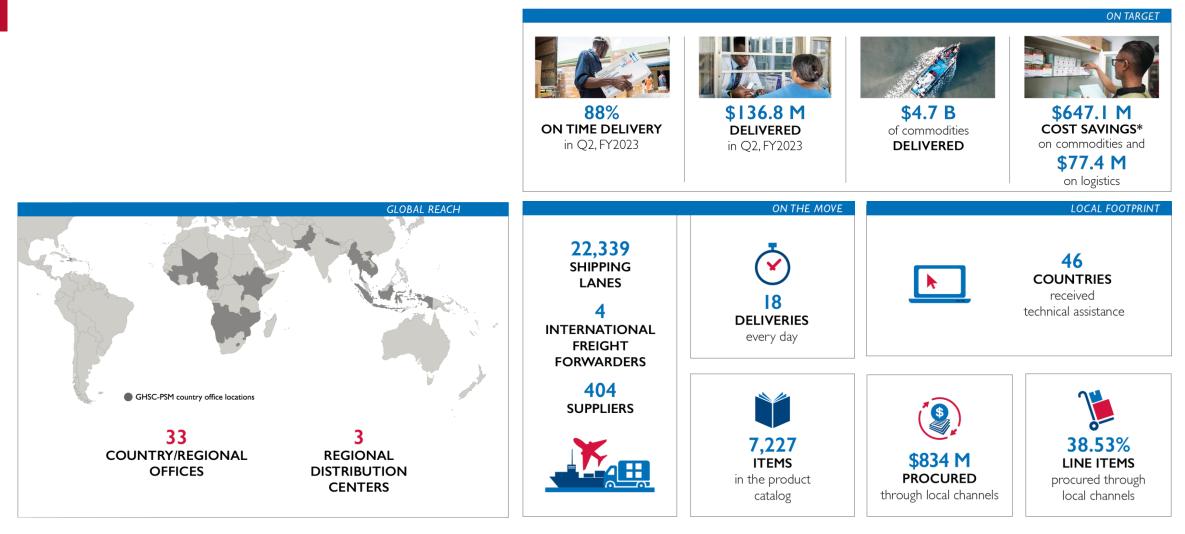








About GHSC-PSM













Infrastructure development on the African continent has been shown to be and will continue to be a catalyst for traceability



Mobile Technology

Africa is second largest mobile phone market in the world with 70 percent of Africans across the continent using mobile devices

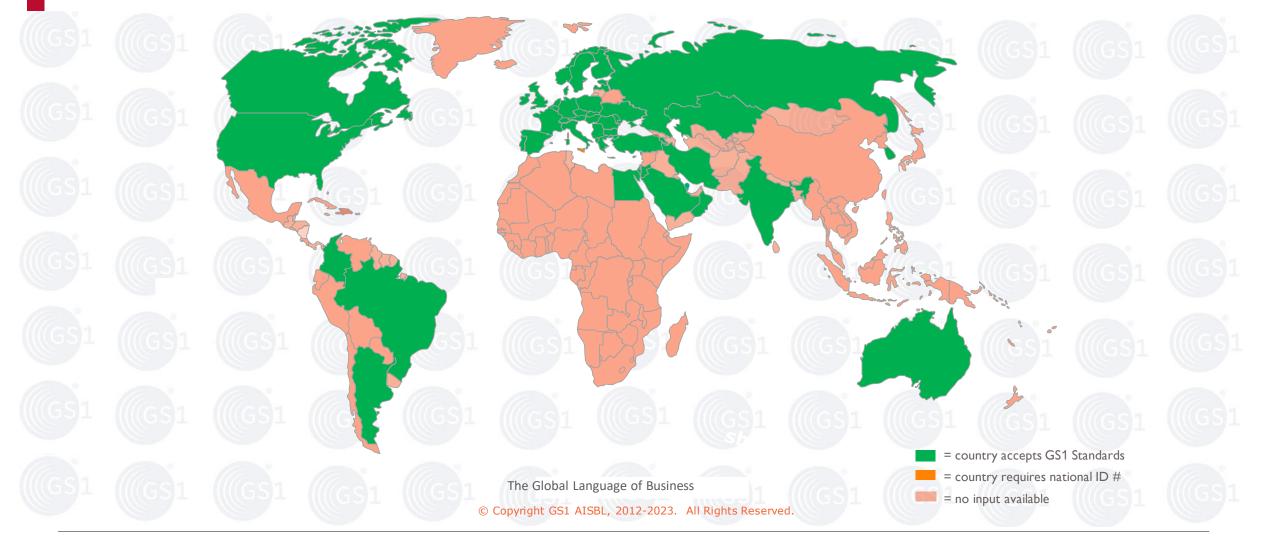
Electrification & Connectivity

Electrification surpass 50% and mobile broadband coverage exceeds 80% of the population

Innovation

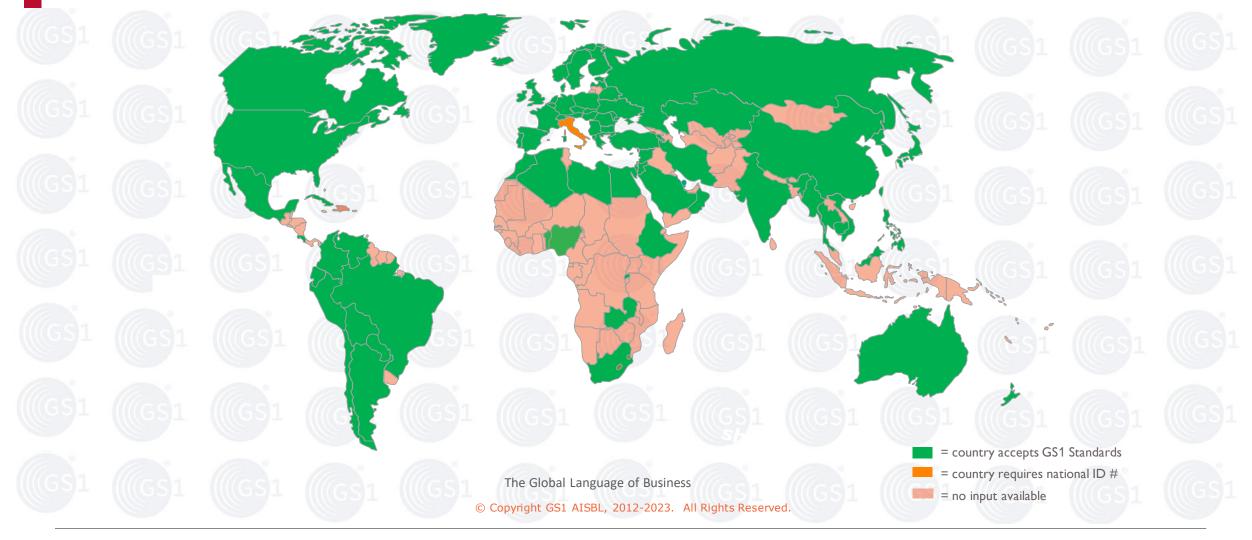
Private sector is delivering significant gains in financial inclusion and telemedicine through use of digital technology

What the world looked like when we were in Dubai in 2016



USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM-Procurement and Supply Management

What the world looks like from Brazil today



USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM-Procurement and Supply Management

Looking beyond regulation

Ongoing GHSC-PSM Technical Assistance

Ongoing in other USAID projects

Ongoing Advocacy, Education, Awareness

September 2023

USAID GLOBAL HEALTH SUPPLY CHAIN PROGRAM-Procurement and Supply Management

EVERY partner adopts ONE set of global standards to meet DIVERSE needs that form the COLLECTIVE vision for traceability

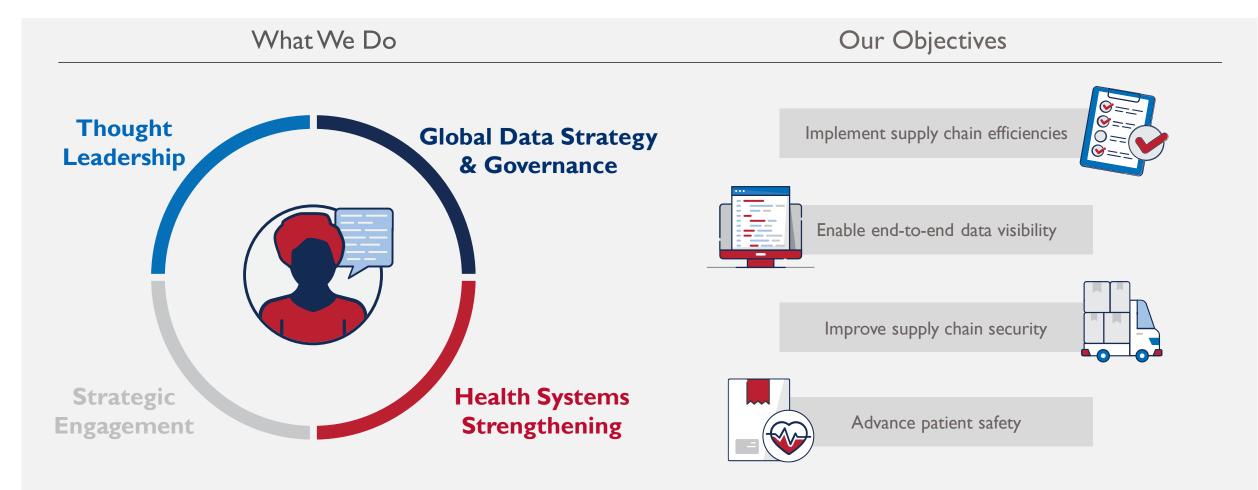


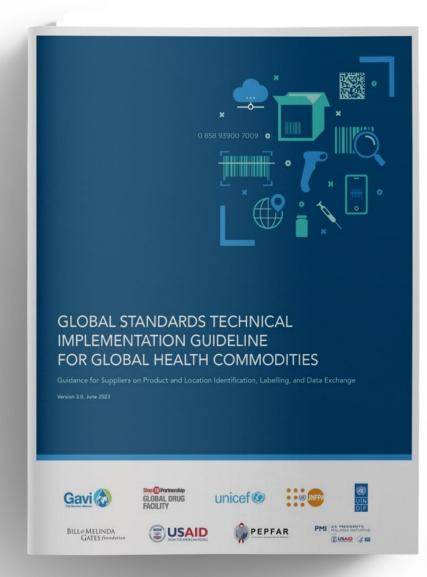
Patient Safety

VALUES

Supply Chain Security Programmatic

Our team's approach







Recommended Identification, Capture, and Master Data Sharing Specifications for Long Lasting Insecticidal Nets

TraceNet Working Group | Version 1.0, January 2020

GHSC-PSM Implementation of GS1 Standards



IDENTIFY

- Allocate and share **GTINs** for pharma, medical devices, sterile kits, reagents, and insecticidal nets.
- Allocate and share **GLNs** for manufacture-from, sold-from, and ship-from location(s).
- Proprietary identification requirements by donor
- GTINs/GLNs only implemented where required by export regulation or supplier custom
- Where GTINs and/or GLNs were implemented, they were not routinely shared or captured in ecosystem information systems



CAPTURE

Label **logistic units** and/or **trade items** with **GS1-128** and/or **GS1 DataMatrix** encoded with GTIN, Batch/Lot, Manufacturing Date, Expiry Date, Serial Number, and/or SSCC as applicable to pack type/level.

- Proprietary data carrier requirements by donor
- Limited standardized data carriers available on labeling, implemented according to export regulations or routine artwork
- No established standards for labelling on LLINs



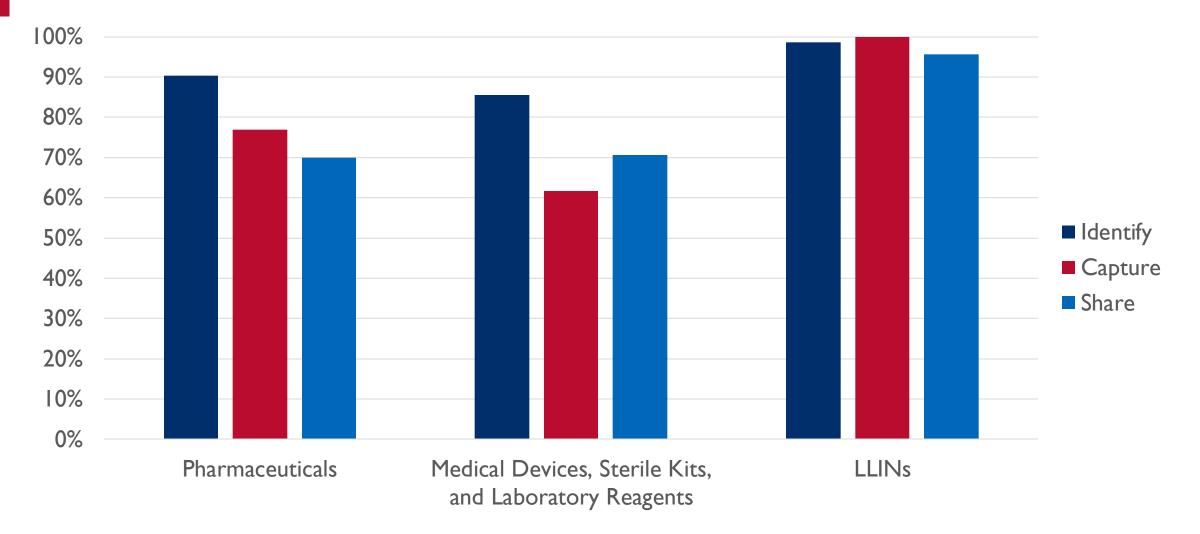
SHARE

Share product master data through
GDSN
17 mandatory attributes
64 required attributes
99 suggested attributes

- Negligible amount of data available for global health commodities through GDSN
- No widespread understanding of GDSN in global health community

Baseline (2017)

GS1 Standards Implementation in 2023





Gains & Progress in sub-Saharan Africa

Active awareness and sensitization initiatives

- Burkina Faso
- Cameroon
- Namibia
- South Africa
- Sudan
- Togo
- Uganda

National pharmaceutical traceability strategy drafted and/or signed

- Angola
- Botswana
- Burundi
- Ethiopia
- Ghana
- Kenya
- Malawi
- Nigeria
- Rwanda
- Zambia
- Zimbabwe

National policy or regulation **passed** or drafted for consultation

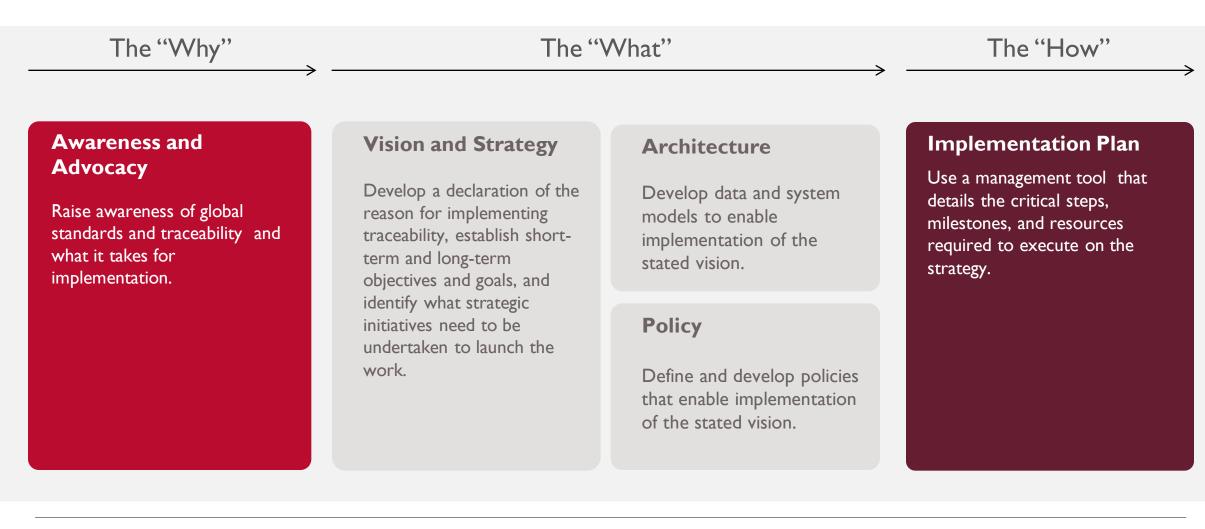
- Ethiopia
- Ghana
- Nigeria
- Rwanda
- South Africa
- Zambia

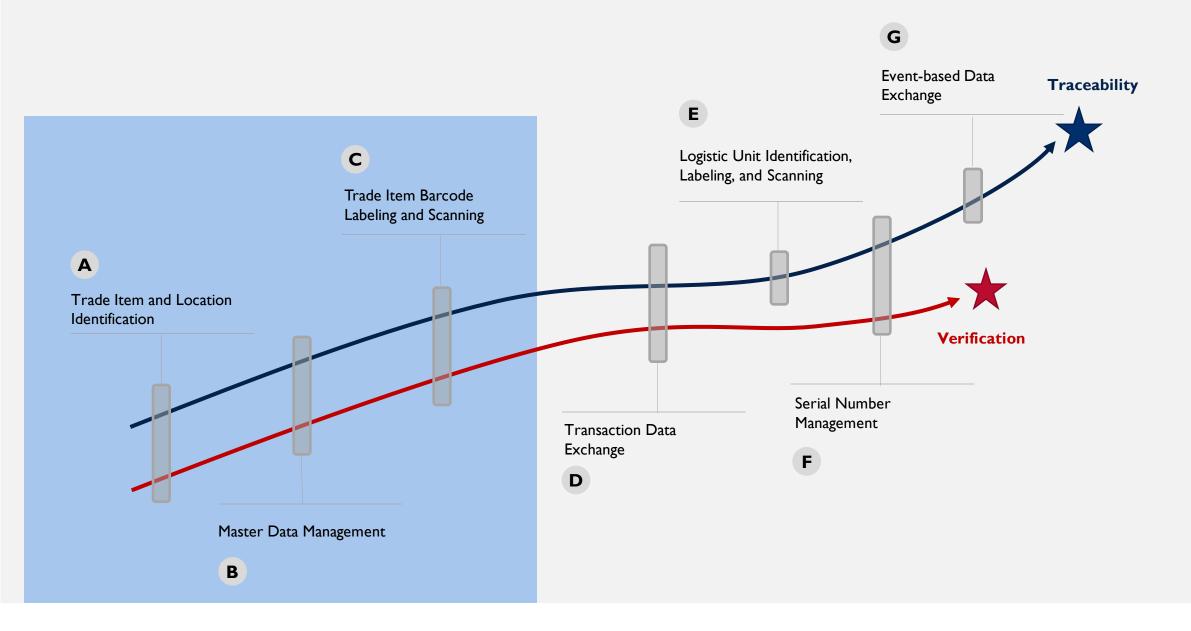
AIDC / master data activities under implementation

- Benin
- Ghana
- Ethiopia
- Malawi
- Rwanda
- Uganda
- Zambia
- Zimbabwe

*May not be exhaustive

Country Implementation Framework





The "Why"		The "What"			The "How"	
Education &	Vision &	Doliov	Architactura		Implementation	
Awareness	Strategy	Policy	Architecture	Item & Location Identification	Master Data Management	AIDC
Global Standards for Supply Chain Data Visibility Reference Deck	National Pharmaceutical Traceability Vision and Strategy Development Reference Note	Model Regulation for Pharmaceutical Traceability	GS1 Supply Chain Information Systems Requirements	Guidance on Collection of Product, Item, and Trade Item Master Data Hierarchies Leveraging GS1 Global Standards	Product Master Data Management Reference Guide	GS1-enabled AIDC Implementation Considerations"
Business Case for the Implementation of Global Standards	Traceability Governance Terms of Reference Guidance and Template	Guideline for Identification and Labelling Specification Template and Guidance	Key Considerations for Centralized Traceability Approaches	Creation, Use, and Maintenance of Unique Location Codes for In- country Health and Logistics Systems	Guideline for Pharmaceutical Product & Location Master Data Template and Guidance	AIDC Standard Operating Procedures Booklet
Implementation Guidance for Pharmaceutical Traceability Leveraging GS1 Standards	Human Resources for Traceability Implementation	Global Standards in LLMICs: Policy Design Considerations to Address Domestic Manufacturer Needs			GS1 Data Discovery Framework	

For tools and templates to support each stage, visit: http://ghsupplychain.org/globalstandards

Regulations to enforce unique identification and labelling to enable traceability

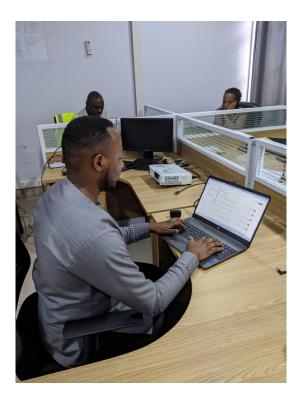
- Assess market readiness
- Mitigate compliance, governance risks with appropriate **incentive structures**
- Plan for adoption with transition measures
- Initial focus on identification & data capture
- Stakeholder consultations for feedback
- **Signal** to the global community on upcoming national requirements

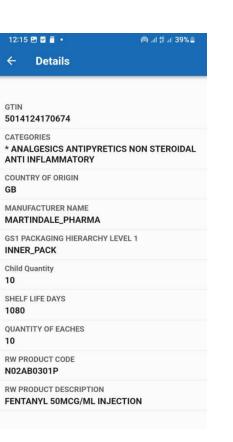
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Robust master data management protocols as as a foundational requirement for traceability

- Understand critical data attributes against use cases - "less is more"
- Discovery around current data identification structures and nomenclature
- Establish MDM approach either through NPC or WMS / ERP configurations
- Institutionalize MDM governance
- Practical transition plan with a plan for GTIN collection and management





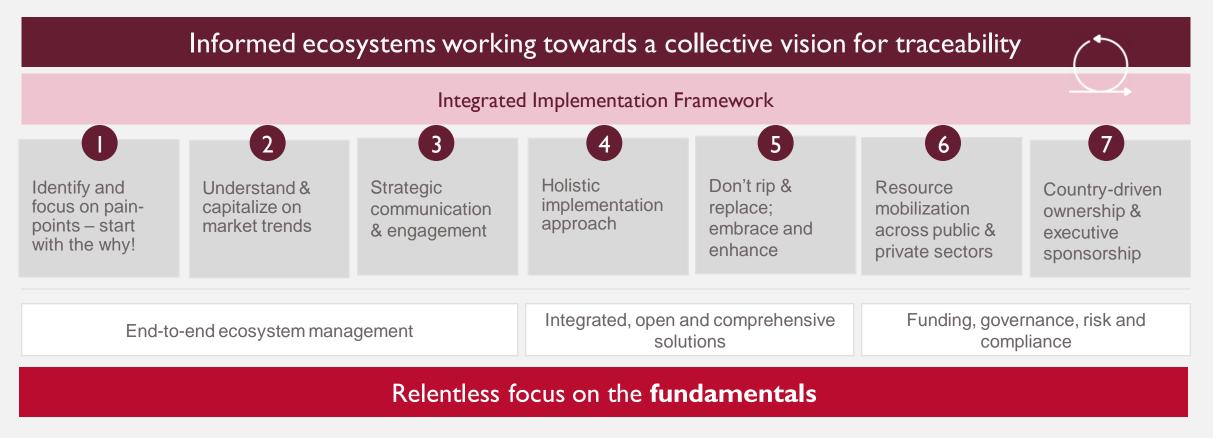
A unified approach to tackle supply chain inefficiencies through automated data capture

- Phased approach to automation starting with core processes
- Plan for exceptions management prior to using automation
- Uphold data integrity all activity depends on accurate, reliable data
- Deploy appropriate technologies leveraging lessons from other implementations.
- Plan for governance and change management from the start

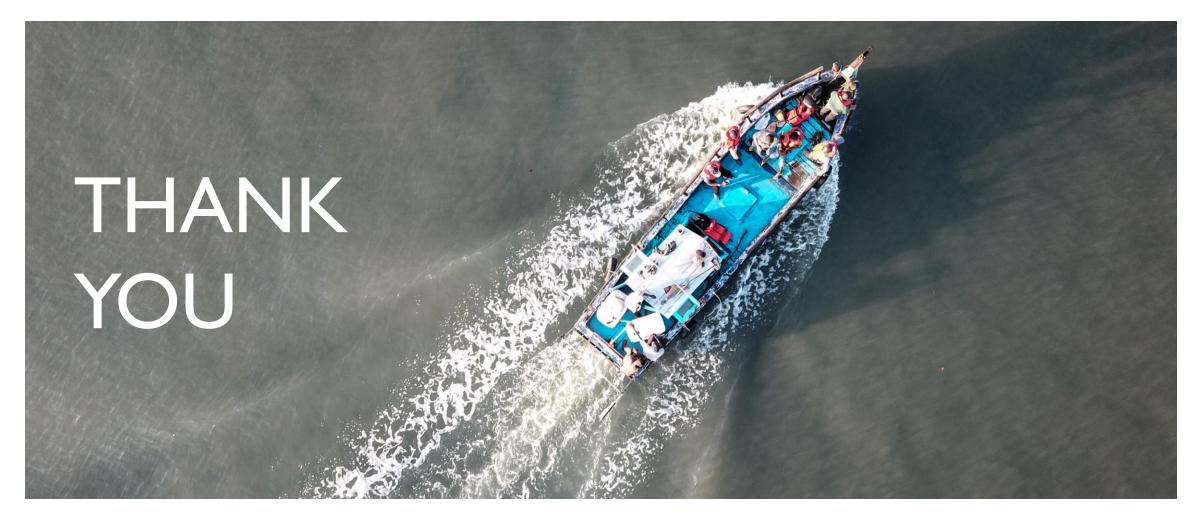












The USAID Global Health Supply Chain Program-Procurement and Supply Management (GHSC-PSM) project is funded under USAID Contract No. AID-OAA-I-15-0004. GHSC-PSM connects technical solutions and proven commercial processes to promote efficient and cost-effective health supply chains worldwide. Our goal is to ensure uninterrupted supplies of health commodities to save lives and create a healthier future for all. The project purchases and delivers health commodities, offers comprehensive technical assistance to strengthen national supply chain systems, and provides global supply chain leadership. For more information, visit <u>ghsupplychain.org</u>.

The views expressed in this presentation do not necessarily reflect the views of USAID or the U.S. government.