



GS1 Healthcare Global Conference 2023

Connecting the future of healthcare with a simple scan

3-5 October - São Paulo, Brazil & Virtual

HealthcareConference.gs1.org





Connecting to the conference App!



Step 1

Flash the **QR code** on your badge or on this screen

Step 2

Look for GS1 in the **search bar** and **click on the conference name**

Step 3

Log in by typing in **your name** and your conference **email address**

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Type in the unique **identification code**

Step 5

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Step 2

Share your daily conference mood, insights, photos or videos

Step 3

Make sure to use the official conference hashtag and join the conversation!

#GS1HC23



Don't miss the opportunity to visit **Instituto Dara's booth located in the Foyer** and discover more about their mission!



Speakers



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



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



Accelerating Traceability: Collaborating for Success in a Complex World

Wednesday, 4th October 2023



USAID
FROM THE AMERICAN PEOPLE



PEPFAR
U.S. President's Emergency Plan for AIDS Relief

PMI

U.S. PRESIDENT'S
MALARIA INITIATIVE

LED BY



USAID
FROM THE AMERICAN PEOPLE

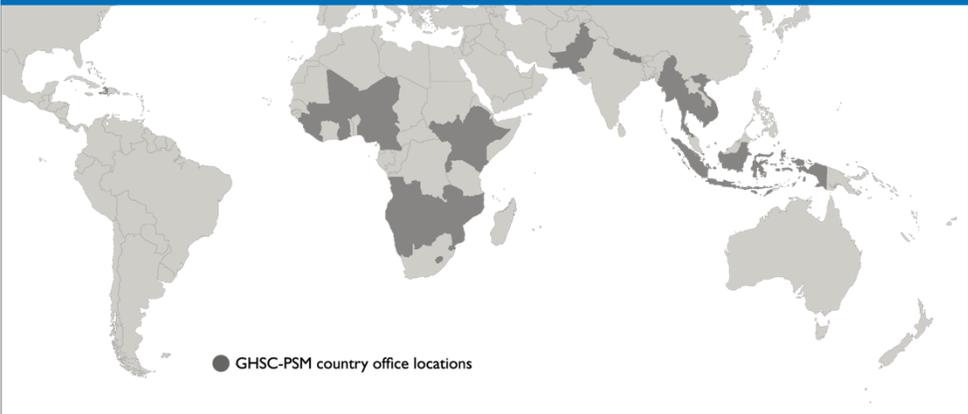


About GHSC-PSM

ON TARGET

 <p>88% ON TIME DELIVERY in Q2, FY2023</p>	 <p>\$136.8 M DELIVERED in Q2, FY2023</p>	 <p>\$4.7 B of commodities DELIVERED</p>	 <p>\$647.1 M COST SAVINGS* on commodities and \$77.4 M on logistics</p>
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GLOBAL REACH



● GHSC-PSM country office locations

<p>33 COUNTRY/REGIONAL OFFICES</p>	<p>3 REGIONAL DISTRIBUTION CENTERS</p>
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ON THE MOVE

<p>22,339 SHIPPING LANES</p> <p>4 INTERNATIONAL FREIGHT FORWARDERS</p> <p>404 SUPPLIERS</p> 	 <p>18 DELIVERIES every day</p>
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LOCAL FOOTPRINT

 <p>46 COUNTRIES received technical assistance</p>	 <p>38.53% LINE ITEMS procured through local channels</p>
 <p>\$834 M PROCURED through local channels</p>	









ID GLOBAL HEALTH
PLY CHAIN PROGRAM



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



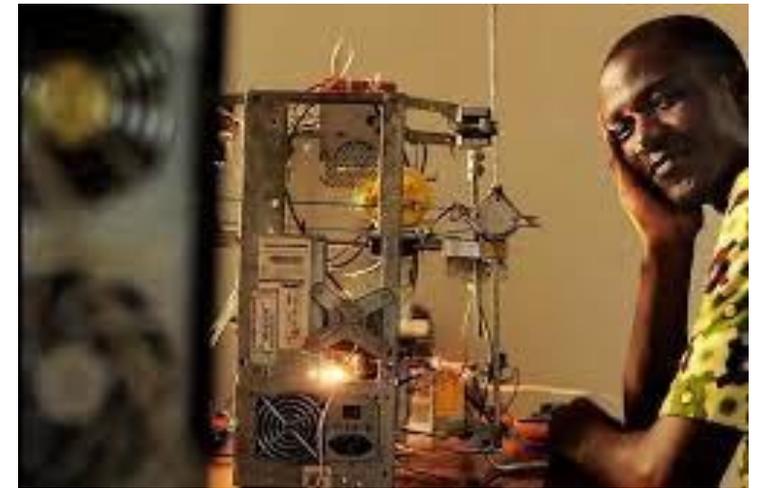
Mobile Technology

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



Electrification & Connectivity

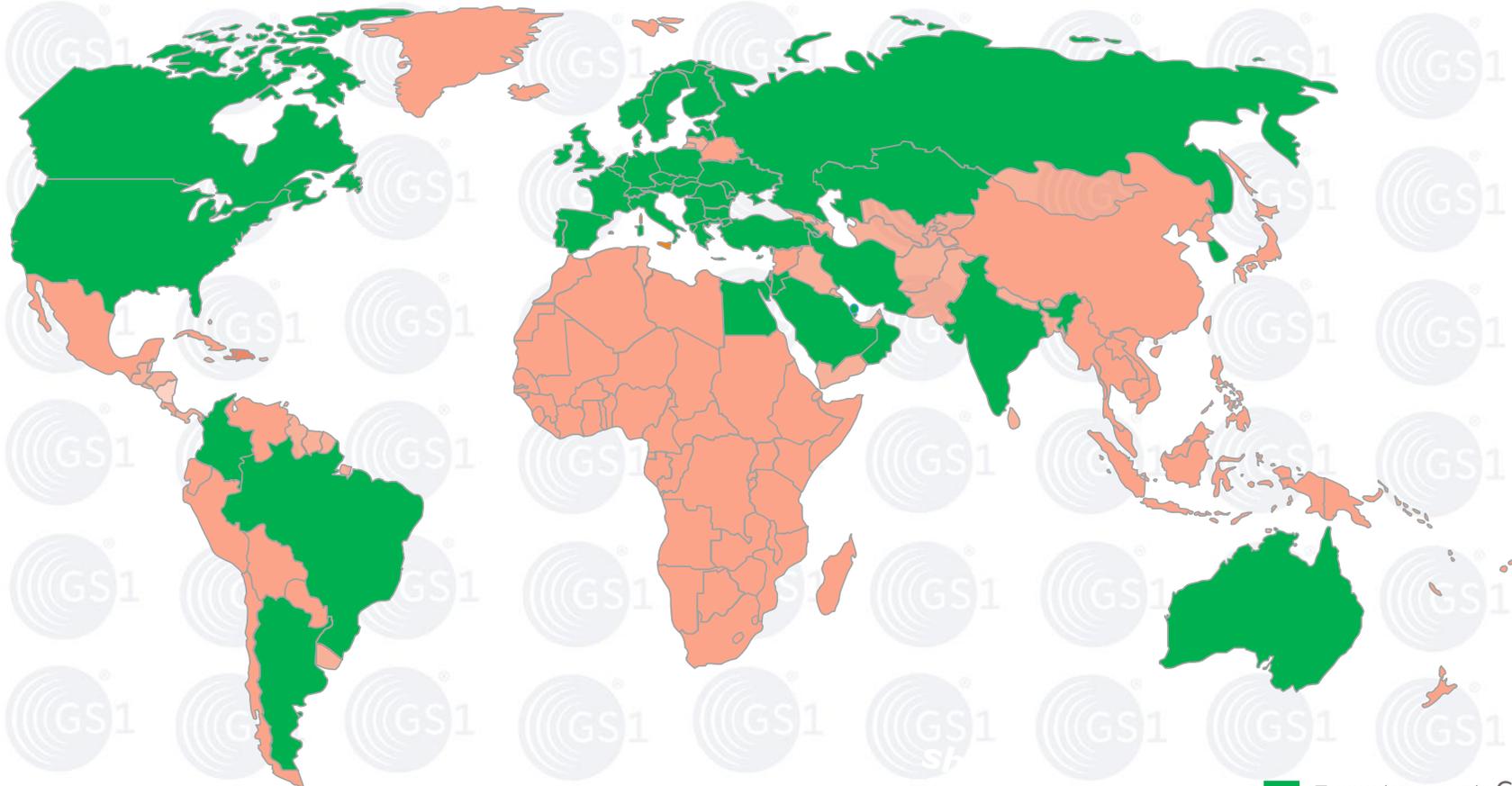
Electrification surpass 50% and mobile broadband coverage exceeds 80% of the population



Innovation

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

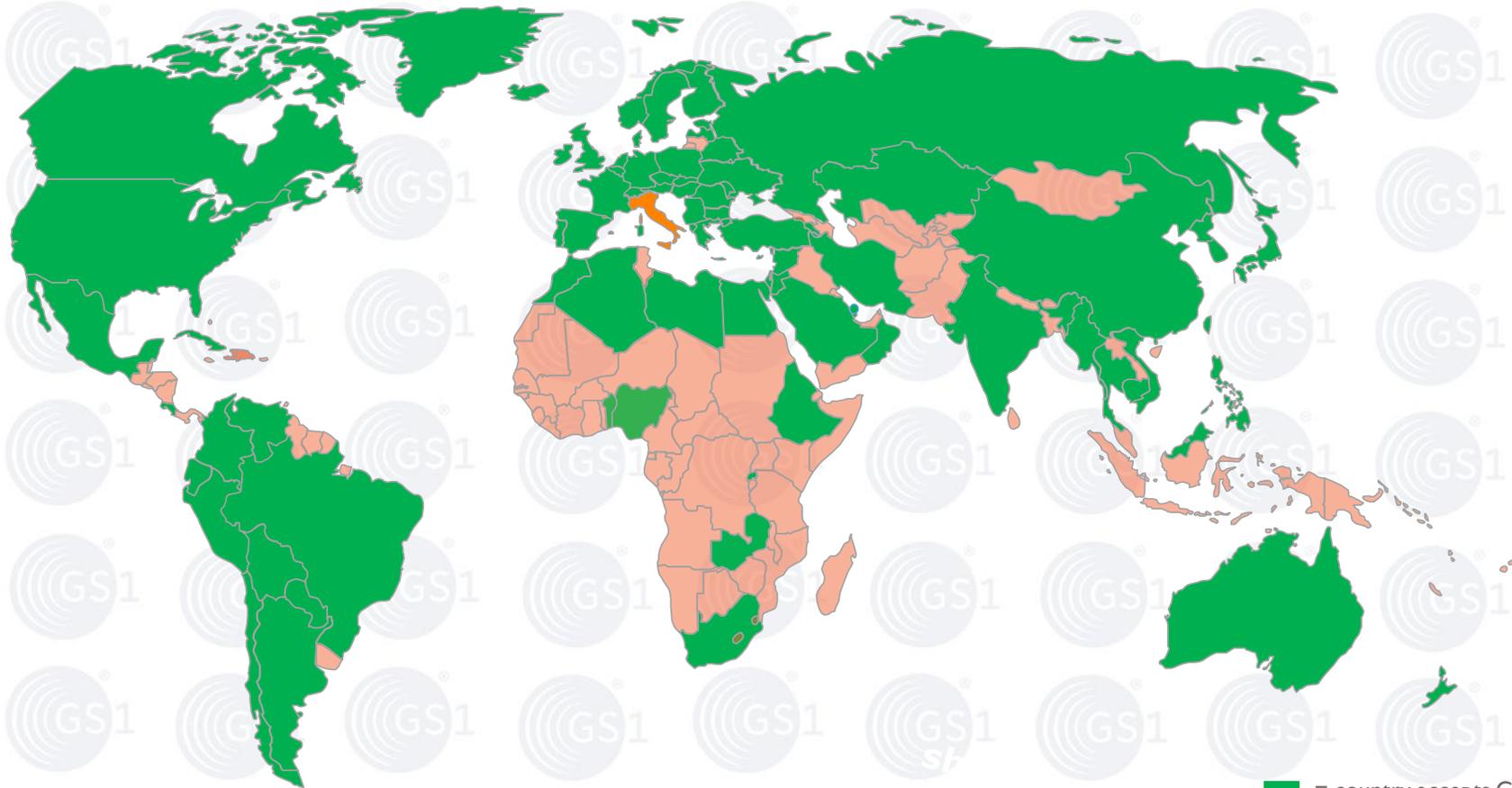
What the world looked like when we were in Dubai in 2016



The Global Language of Business

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What the world looks like from Brazil today



The Global Language of Business

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- = country accepts GS1 Standards
- = country requires national ID #
- = no input available

Looking beyond regulation



September 2023

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



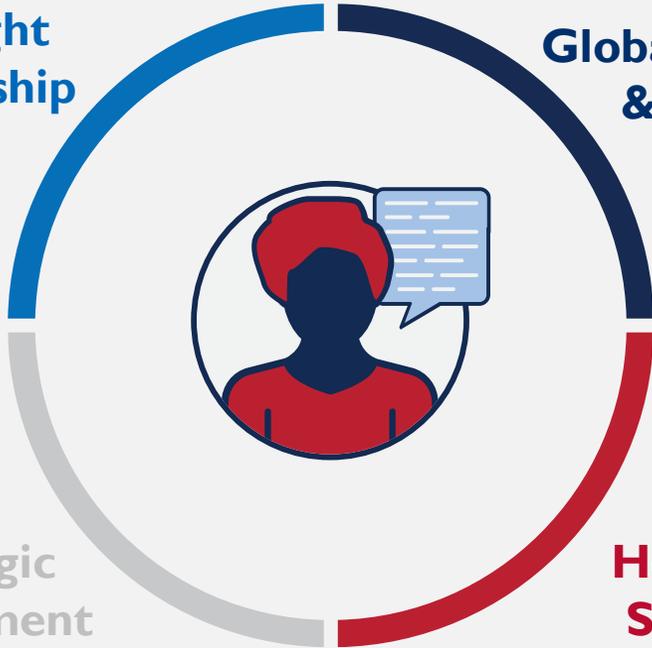
VALUES

- Patient Safety
- Supply Chain Efficiency
- Supply Chain Security
- Programmatic Accountability
- Integration + Interoperability
- Risk, Governance + Compliance

Our team's approach

What We Do

Thought
Leadership



Global Data Strategy
& Governance

Strategic
Engagement

Health Systems
Strengthening

Our Objectives

Implement supply chain efficiencies



Enable end-to-end data visibility

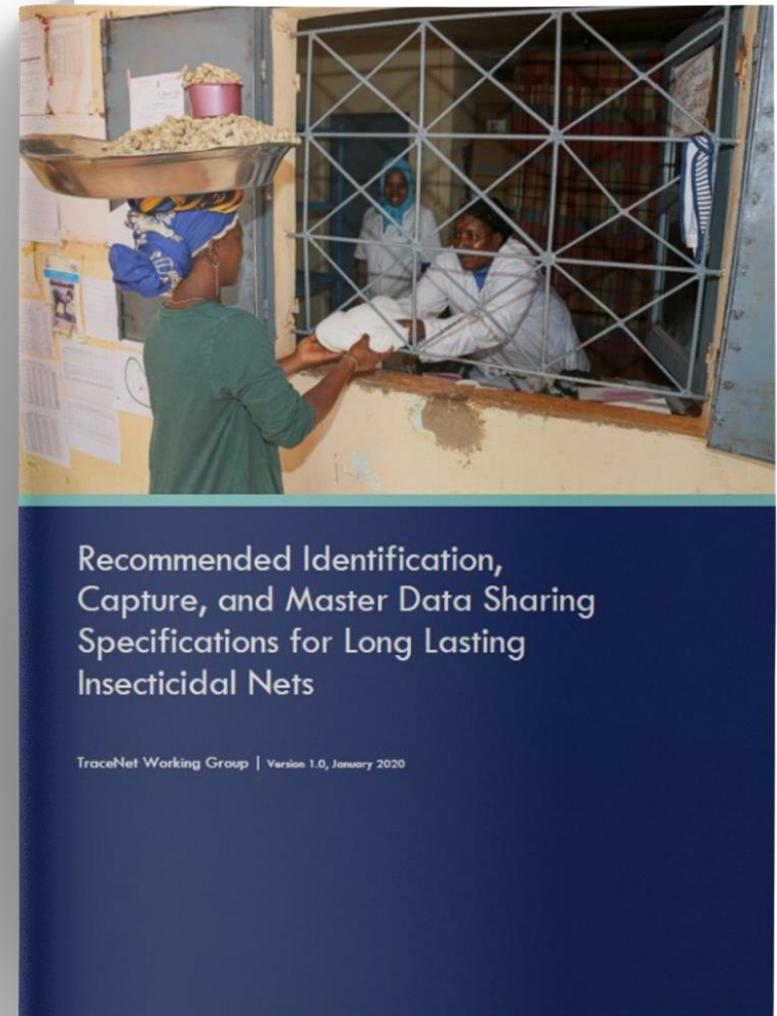
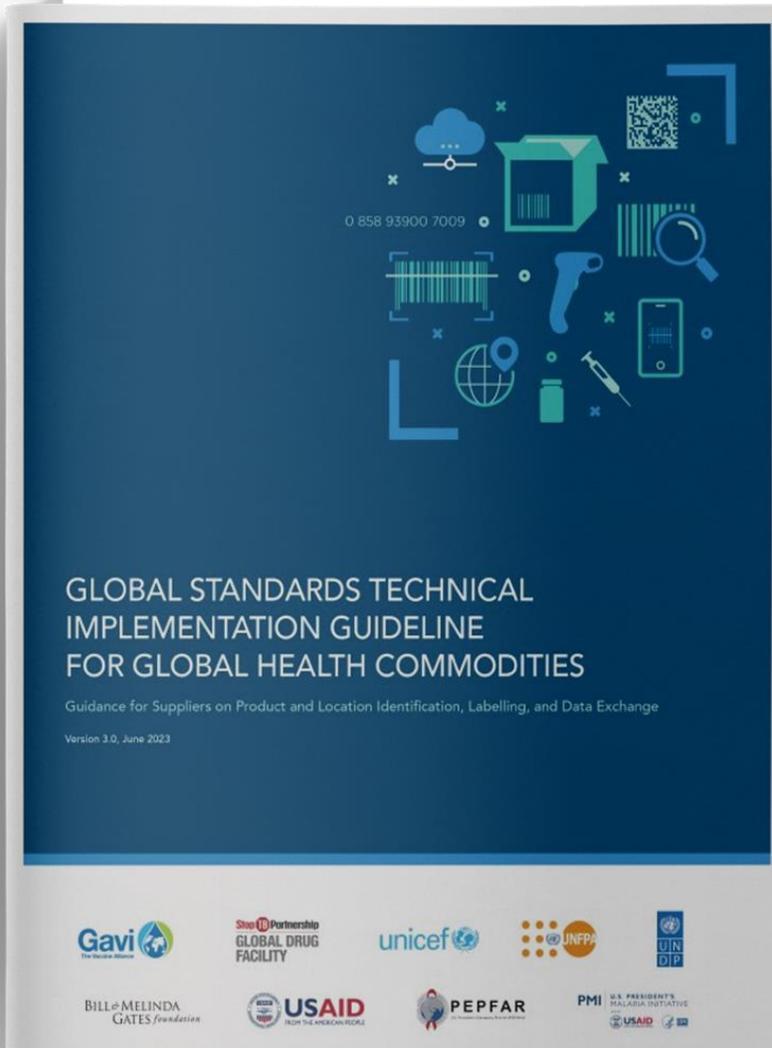


Improve supply chain security



Advance patient safety





GHSC-PSM Implementation of GS1 Standards



IDENTIFY

Requirement

- 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).

Baseline (2017)

- 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



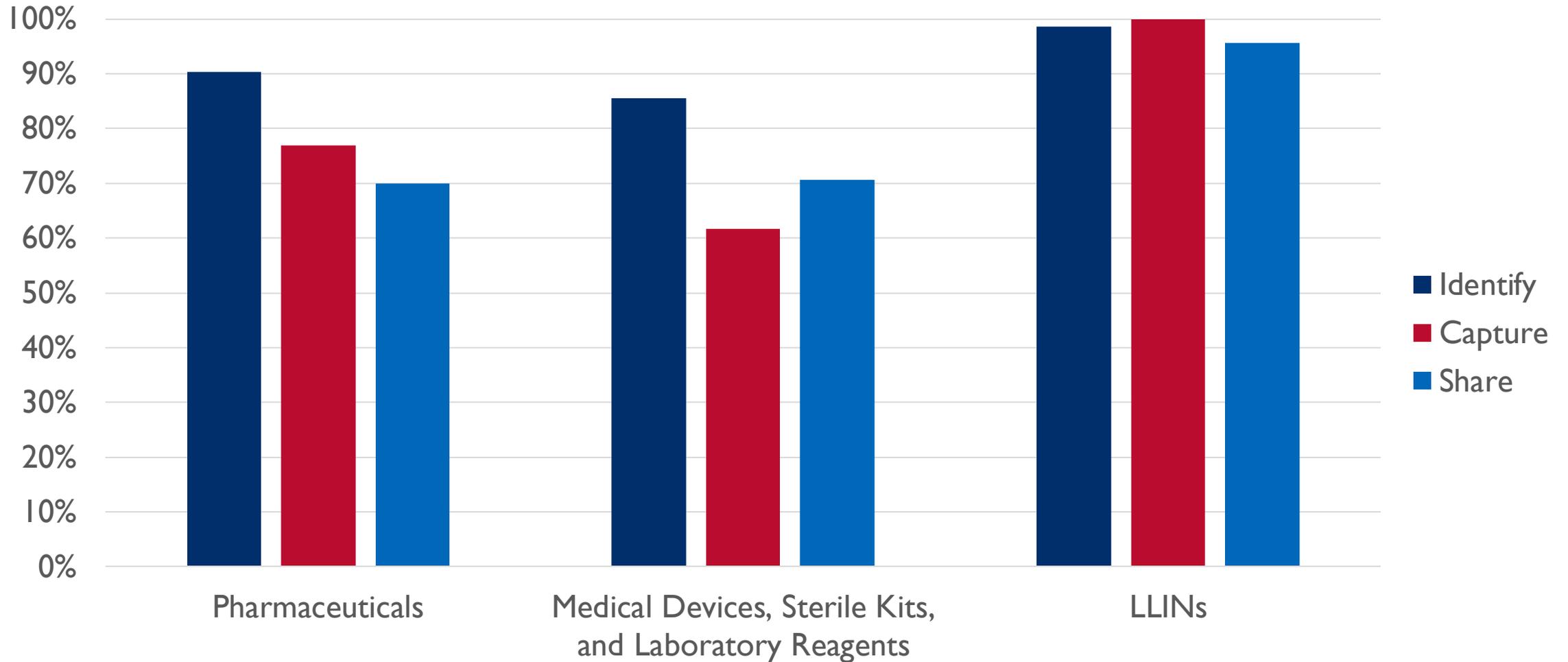
SHARE

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

GS1 Standards Implementation in 2023





USAID

FLUCAN-200 TABLETS
BAND-AIDS
QTY: 120 X 20 X 1 X 1 TABLETS

REF 368650

650

IMS

BACKLOG

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”

Awareness and Advocacy

Raise awareness of global standards and traceability and what it takes for implementation.

Vision and Strategy

Develop a declaration of the reason for implementing traceability, establish short-term and long-term objectives and goals, and identify what strategic initiatives need to be undertaken to launch the work.

Architecture

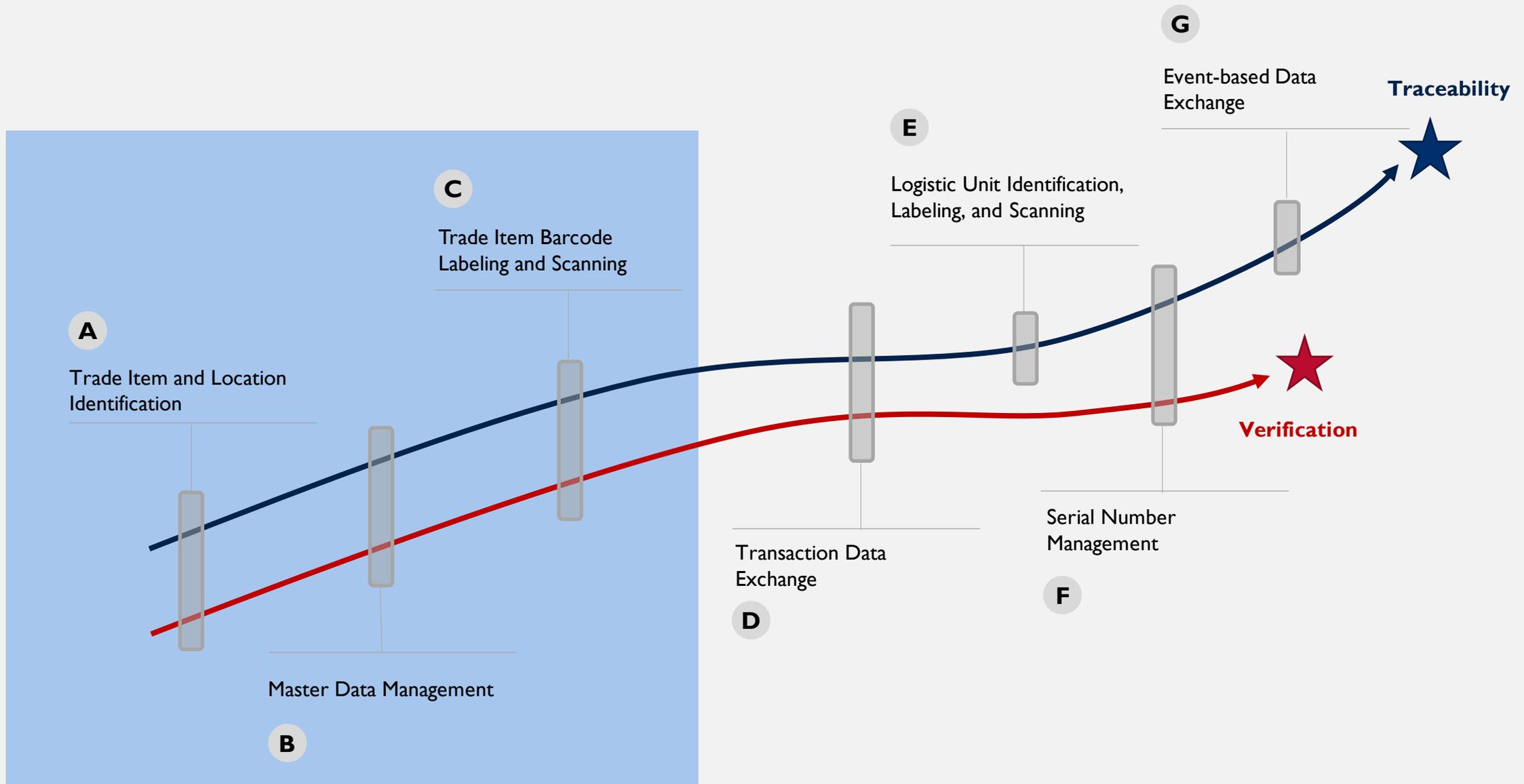
Develop data and system models to enable implementation of the stated vision.

Policy

Define and develop policies that enable implementation of the stated vision.

Implementation Plan

Use a management tool that details the critical steps, milestones, and resources required to execute on the strategy.



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

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

Robust master data management protocols 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



12:15 39%	
← Details	
GTIN	5014124170674
CATEGORIES	* ANALGESICS ANTIPYRETICS NON STEROIDAL ANTI INFLAMMATORY
COUNTRY OF ORIGIN	GB
MANUFACTURER NAME	MARTINDALE_PHARMA
GS1 PACKAGING HIERARCHY LEVEL 1	INNER_PACK
Child Quantity	10
SHELF LIFE DAYS	1080
QUANTITY OF EACHES	10
RW PRODUCT CODE	N02AB0301P
RW PRODUCT DESCRIPTION	FENTANYL 50MCG/ML INJECTION

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







Informed ecosystems working towards a collective vision for traceability



Integrated Implementation Framework

1

Identify and focus on pain-points – start with the why!

2

Understand & capitalize on market trends

3

Strategic communication & engagement

4

Holistic implementation approach

5

Don't rip & replace; embrace and enhance

6

Resource mobilization across public & private sectors

7

Country-driven ownership & executive sponsorship

End-to-end ecosystem management

Integrated, open and comprehensive solutions

Funding, governance, risk and compliance

Relentless focus on the **fundamentals**



An aerial photograph of a blue boat with a white cabin, moving across dark water and leaving a white wake. Several people are visible on the deck. The text 'THANK YOU' is overlaid in large white letters on the left side of the image.

THANK YOU

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 ghsupplychain.org.

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