Global Data Synchronisation Network (GDSN)

Global *Implementation* for *Healthcare*

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GS1 Healthcare

- **Refresher on Global Data Synchronisation Network (GDSN)**

- **Healthcare Global Implementation Strategy**

- **Phase 1 Project and Results**
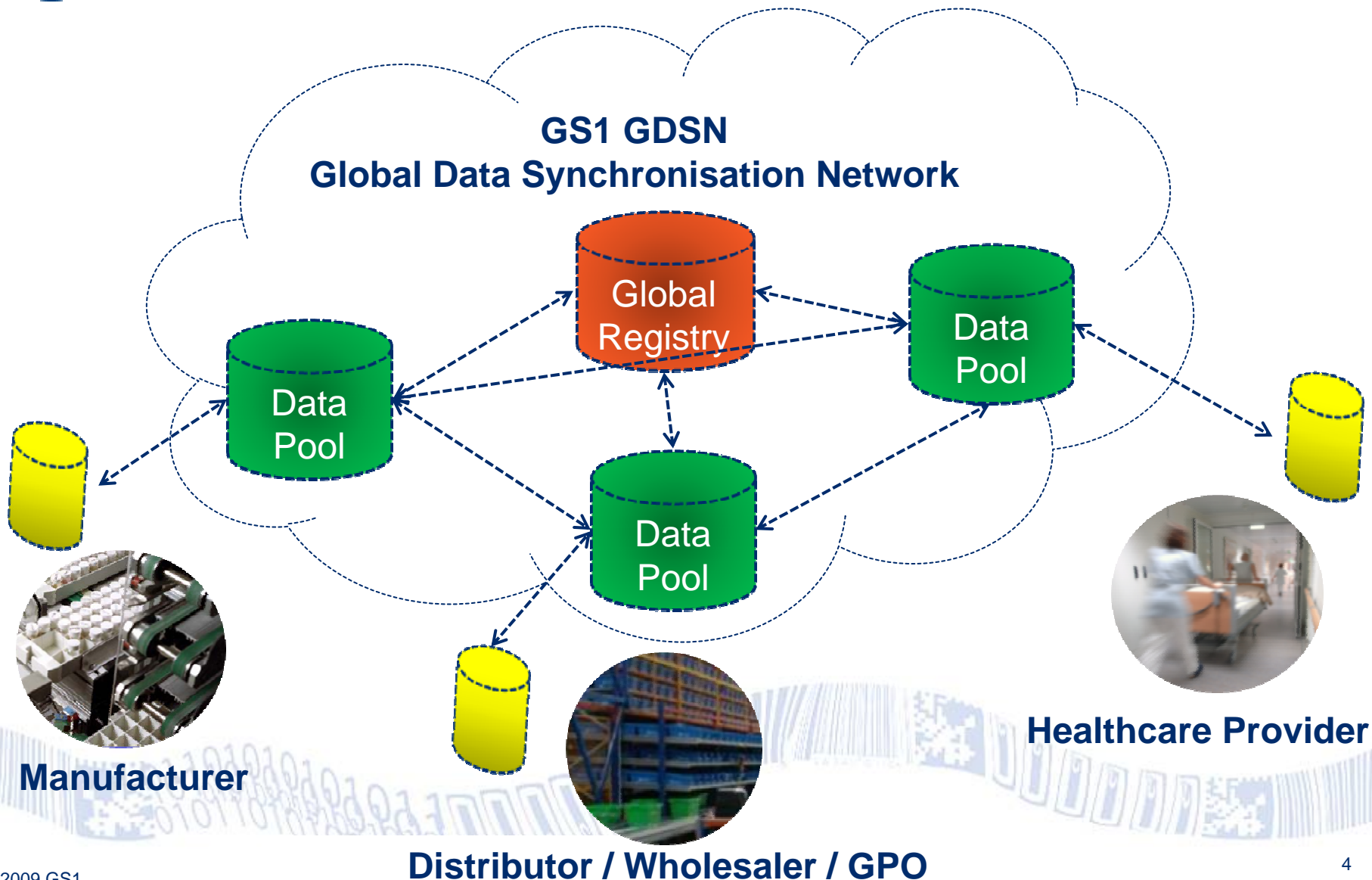
- **Future Phases / Next Steps**
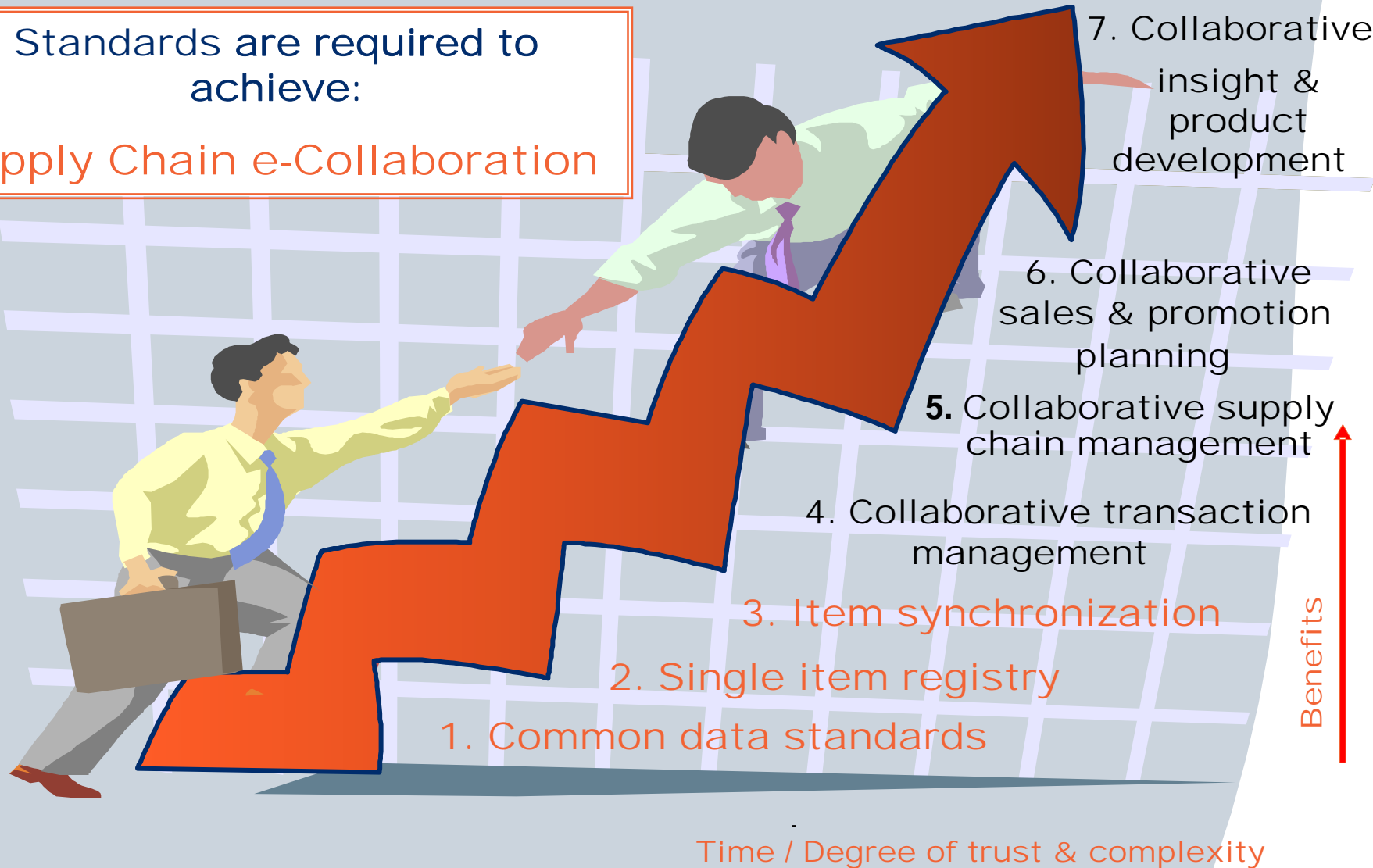
Global Data Synchronisation Network (GDSN) Refresher

The Global Data Synchronisation Network

GS1 GDSN
Global Data Synchronisation Network

Global Registry

Data Pool

Data Pool

Data Pool

Manufacturer

Distributor / Wholesaler / GPO

Healthcare Provider

4

Why GDSN?

Standards are required to achieve:

Supply Chain e-Collaboration

7. Collaborative insight & product development

6. Collaborative sales & promotion planning

5. Collaborative supply chain management

4. Collaborative transaction management

3. Item synchronization

2. Single item registry

1. Common data standards

Benefits

Time / Degree of trust & complexity

Source: A. T. Kearney for GMA FMI

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Results from US Dept. of Defense Study

% of total Data error	Manu-facturer	Distributor	GPO	Healthcare provider
Missing Middle Levels of Packaging	15-20%	1-4%	20-25%	15-25%
Hard "Packaging Quantity" Errors	1%	1%	2%	2-5%
Unit of Measure Confusion/Misuse	2-6%	1-3%	2-5%	Unknown
Missing Packaging—not Middle Level	3-8%	3-8%	3-7%	5%
Manufacturer Name Problems	NA	2-5%	1-4%	30%
Obsolete Products	1-4%	2-5%	1-8%	5-15%
Missing Product Brand Names	2-5%	5-10%	5-10%	20-25%
Incomplete Item Descriptions	5-15%	3-12%	5-15%	10-20%
Wrong Customer Unit Prices	Unknown	1-2%	NA	1-2%
Customer Paid More Than Lowest Contract Price	NA	Unknown	NA	3-6%

Healthcare Global Implementation Strategy

Global Implementation:
It's Time

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Build on the success of the Global GDSN Pilot

National pilots in the U.S. and the production roll out in Australia and the U.S. have demonstrated that the GDSN meets the minimum criteria needed by the Healthcare sector within their national boundaries.

Source: Global GDSN Healthcare Pilot Report, Executive Summary

Synchronising Product Data in Healthcare
Global GDSN Healthcare Pilot Report

Global Implementation Strategy

Status:

✓ Locked-down data attributes to a globally-agreed set

✓ Very short Phase 1, in Production, to generate results

✓ Focus on implementations and metrics for today, not theoretical discussions of 'what would be nice to have'

- Real-life demonstrations of what GDSN can do when widely deployed using data we have today

- After each significant phase / milestone, adjust strategy and tactics based on lessons learned

- Metrics and KPI's to report success

Locked-Down Data Attributes

GS1 Healthcare has agreed on 40 implementation attributes *

- Establishes a solid foundation for future phases
- These attributes can be adjusted in the future

These 40 attributes result in the following

- Single source of product data for healthcare
- Common definitions, common language, common processes

Supported by a significant percentage of the global Healthcare market

- GS1 Healthcare Australia
- GS1 Healthcare US
- GS1 Healthcare Leadership Team members

* http://community.gs1.org/apps/org/workgroup/gsmp_g_gdsne/documents.php?folder_id=5475#folder_5475

Typical GDSN Implementation Roadmap

Use of data for transactions between supplier and customer

7. Use Data for Transactions

Determine what worked, what needs adjustment and develop expansion strategy

6. Measure Success and Expand

Subset of 40 implementation attributes

5. Start Data Synchronization

Hospital, Dist, GPOs subscribe to GLNs and GTINs

4. Subscription to Supplier and Products

Supplier GLN and GTINs in the GS1 Global Registry

3. Register Supplier and Products

Assign GLN and GTINs

2. Identify Trading Partners and Products

Provides access to the GDSN

1. Subscribe to a GDSN Data Pool

Goal: Single global source of truth for product data

Phase 1 Summary and Results

Global GDSN Implementation Roadmap — Phase 1

Use of data for transactions between supplier and customer

| 7. Use Data for Transactions | Future Phases |

Determine what worked, what needs adjustment and develop expansion strategy

| 6. Measure Success and Expand | Future Phases |

Subset of 40 implementation attributes

| 5. Start Data Synchronization | Future Phases |

Hospital, Dist, GPOs subscribe to GLNs and GTINs

| 4. Subscription to Supplier and Products | **16 June** |

Supplier GLN and GTINs in the GS1 Global Registry

| 3. Register Supplier and Products | **16 June** |

Assign GLN and GTINs

| 2. Identify Trading Partners and Products | **8 June** |

Provides access to the GDSN

| 1. Subscribe to a GDSN Data Pool | **1 June** |

Goal: Single global source of truth for product data

Accomplish the following in 6 weeks (May 5 - June 18):

✓ **Load 10 Supplier GLN's into the Global Registry**

✓ **Load 100 Supplier GTIN's into the Global Registry**

- 10 GTIN's per Supplier
- Pharma, Medical Device, other "new" healthcare items
- Using the agreed-upon "40 Data Attributes for Healthcare"

✓ **Providers: subscribe to as many GTIN's as possible**

✓ *Extra Credit: start Data Synch between Trading Partners*

Phase 1 Participants

Providers

Aurora Health Care

UKHealthCare

UNIVERSITY HEALTH CARE SYSTEM

THE UNIVERSITY OF MISSISSIPPI MEDICAL CENTER

WALDO COUNTY GENERAL HOSPITAL

* Other providers to be announced soon (multiple countries)

GPOs

Amerinet

Novation

PREMIER

Distributors

De Kroyft - Metz & Co.
INCORPORATED
Health Care Distributor
201 N.E. ADAMS ST.   PEORIA, ILLINOIS 61602   PHONE (309) 673-3741

Retailers

Walgreens

Suppliers

Abbott
A Promise for Life

Alcon

BARD

B BRAUN
SHARING EXPERTISE

Baxter

BD

THE LINDE GROUP
Linde

Data Pools

1 SYNC

GHX
Global Healthcare Exchange

SA2 | WORLDSYNC
Master Data Services for Global Commerce

Phase 1 – Metrics Results

	Target	Actual
Suppliers (Distributor)	10	7 (1)
Providers	10	9
GTINs	100	580
Subscriptions	100	275

1) Make sure the correct GLN is used

- *Three steps: 1) Register GLN, 2) Register GTINs and 3) Synchronize*

2) Learn the rules around GDSN attributes – e.g., Dimensions for an Inner Pack and Case are determined differently from the dimensions for an Each

3) Start with a limited scope in order to minimize the re-work required during the learning process

4) Don't panic if you don't have the data…load what you have and get started with *something*

5) Establish an internal data management strategy.

6) Automated interfaces between your data repository and the GDSN is critical as number of items grows

1) Research GS1 and GDSN standards *(begin with Healthcare Provider Tool Kit & white papers from GDSN Pilots)*

2) Decide & commit to implementation of GS1 Standards

3) Begin creating an internal roadmap for implementation
   o Make sure internal systems are ready for GS1 data
   o Explore MMIS capability to store and manage required attributes
   o Establish clear ownership for the initiative and defined goals/metrics
   o Understand your internal data and Data Management Program Plan
   o Leverage available support

4) Look at options for a data synchronisation partner/source *(GDSN Data Pool or an aggregator for synchronisation)*

5) Need to start with basic data and grow over time using a common roadmap

6) Work with your suppliers, distributors, and GPO to stay on track with standards implementation

Future Phases / Next Steps

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- **Leverage existing healthcare GDSN users**
  - Retail Pharmacies (global)
    - **71,705** Healthcare GTIN's and **2,062** GLN's already in production in the GDSN
  - Healthcare users in Australia
    - **5,797** GTINs and **4** multi-national manufacturers live and in production on the GDSN
- **Develop a strategy to expand implementation reach**
  - Trading Partner pairing
  - Rollout by product, product line, etc.
  - Rollout by adding more partners
  - Some or all of the above?
- **Develop a high level Roadmap to guide future phases**
- **Develop communication outreach to regulators, health ministries and existing users**
  - Alignment with regulatory databases, the Global Harmonization Task Force (GHTF), existing healthcare users in the GDSN and country initiatives (Australia, Canada, France, Germany, Netherlands, UK and others)

Accelerate adoption and implementation by:

- Assign GLNs and GTINs as appropriate
- Subscribe to a GDSN Data Pool
- Start slow and build on success, repeat until finished
- Deliver clear and consistent messages to trading partners and GS1 Member Organisations
- Contact Pete Alvarez at peter.alvarez@gs1.org

The Bottom Line

We can only be successful by working together, keeping it simple, getting some successes, and building from there…

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