

GS1 México

Implementing GS1 Standards at BD

Agenda

- Introduction to BD
- BD and GS1 Global Journey
- BD Mexico using GS1 Standards
- The possibilities...

BD (Becton, Dickinson and Company)

- FORTUNE 500 company (#332)
- Locations in more than 50 countries
- Approximately 29,000 associates worldwide
- Serves healthcare institutions, life science researchers, clinical laboratories and the general public
- Sells a broad range of medical supplies and services, devices, laboratory equipment and diagnostic products



BD Nexiva™ Closed IV Catheter System



BD Viper™ System with XTR Technology



BD Influx™ Flow Cytometry System



BD™ Insulin Syringes



BD PosiFlush™ Flush Syringe



BD Rx



BD Vacutainer® Push Button Blood Collection Set & Blood Collection Tubes



BD SurePath™ PAP Collection System



BD Involvement in Data Standards

- Documented participation dates back to 1972 Uniform Grocery Product Code Council (UGPCC)
- BD adopted GTINs and GLNs on a voluntary basis
- Billions of bar codes have been printed on products
- Much research to understand specific “use cases”
- Much effort to integrate into commercial practices

Timeline



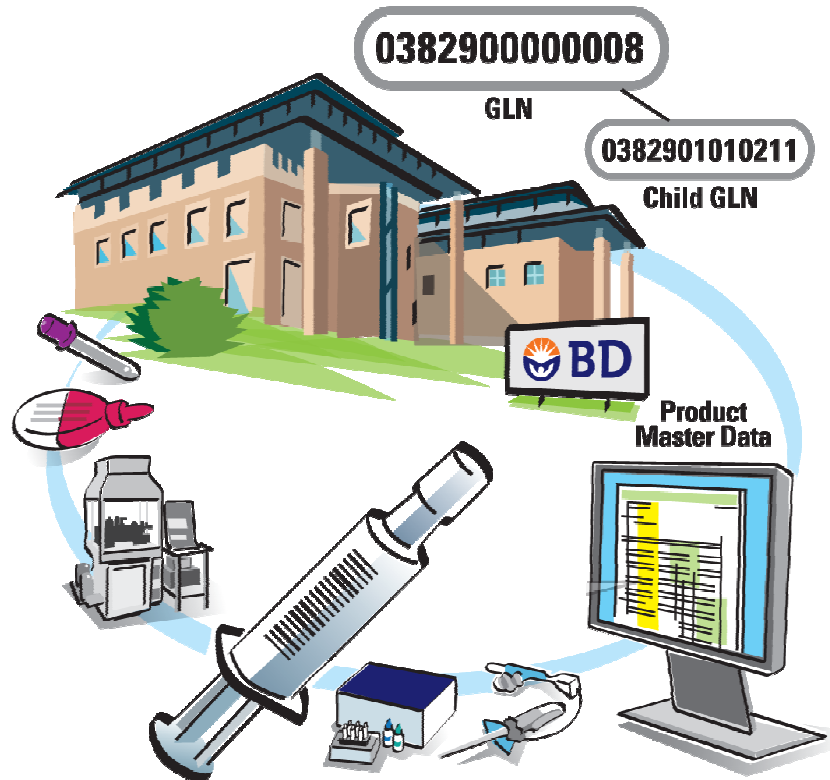
- BD Adopted UDI on a Voluntary Basis
- Billions of Bar Codes Printed on Products
- Much Research to Understand Specific Uses

Current Standards in use by BD:

- **GTINS** (*Global Trade Item Number*)
- **GLNs** (*Global Location Number*)
- **GSIN** (*Global Shipment Identification Number*)
- **GDSN** (*Global Data synchronization network*)
- **SSCC** (*Serial Shipping Container Code*)

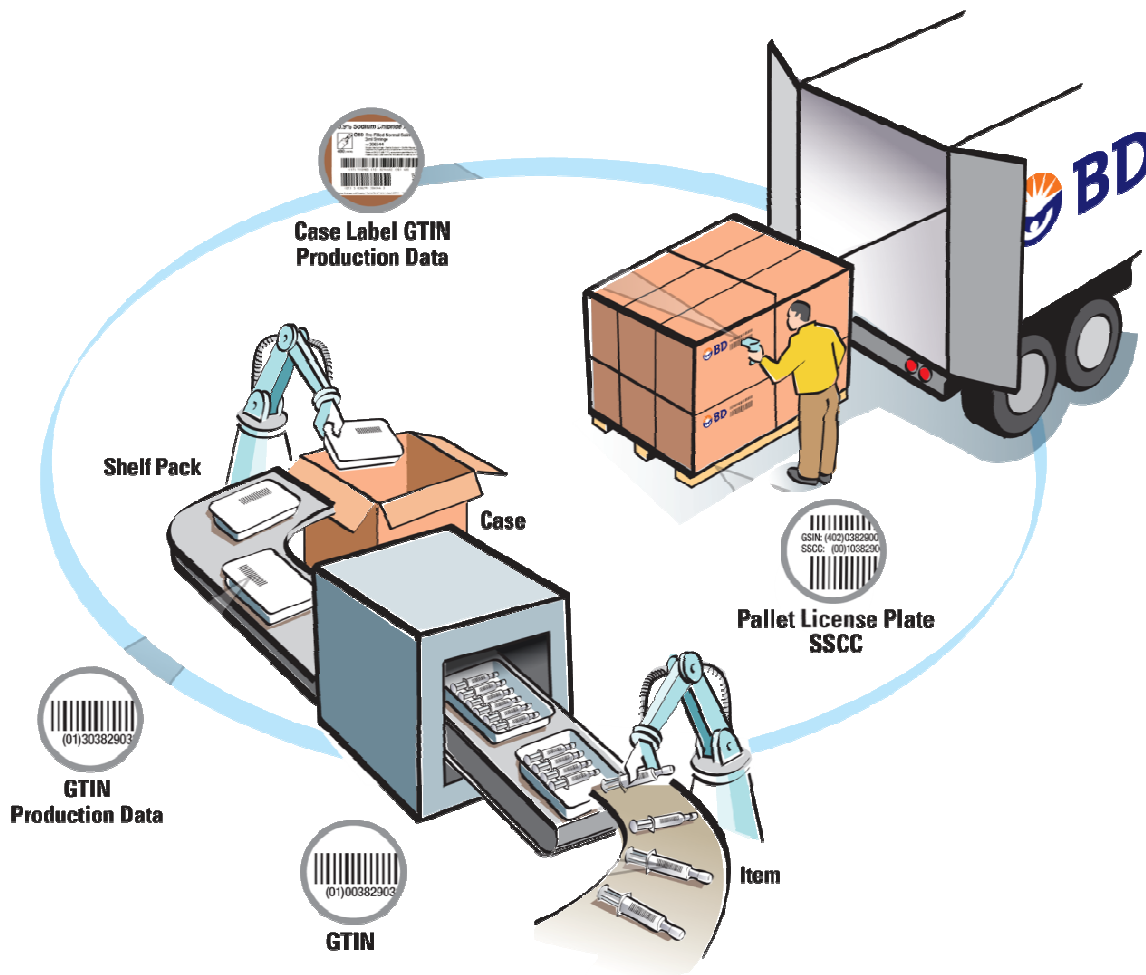
Usage of specific standards varies by market.

BD Corporate



- GTINs created for each product and package level
- Product data defined, created and managed
- BD GLNs assigned and managed
- Validated customer GLNs collected and stored
- Synchronization of EDI Processes
- Order Management
- Data stored in ERP system

BD Mexico Factory



- Production order and GTINs pulled from ERP
- GTINs and production data (Lot/Expiry, etc.) printed on products (barcode and human readable)
- GTINs used to track products during manufacturing
- GTINs used to track contents of shipments
- Manufacturing data stored in ERP system

Sample Product Label

Shelf Pack

BD 5ml Syringe
Luer-Lok™ Tip with BD PrecisionGlide™ Needle
22G x 1 (0.7mm x 25mm)



Syringe with needle • Jeringa con aguja • Seringa com agulha • Seringue avec aiguille • Spritze mit Kanüle • Siringa con ago • Spuit met naald • Spruta med injektionsnål • Sprøjte med nål • Ruisku ja neula • Σύριγγα με βελόνα • Sprøyte med nål • Strzykawka z igłą • Brizgalka z iglo • Injekčná striekačka s ihlou • Süstal nõelaga • Fecskendő tűvel • Švirkštas su adatu • Stříkačka s jehlou • Šjirce ar adatu • İğneli şiringa • Шприц с иглой • Štrcaljka s iglom • Seringă cu ac • Спринцовка с игла • Шприц з голкою

DGS10304
8094050

100 **REF 309630**



(17)160924(10)1234567(30)100



(01)30382903096306

LOT 1234567
2016-09-24

Becton, Dickinson and Company
 1 Becton Drive
 Franklin Lakes, NJ 07417 (Direct Printed on the Shelf Pack)

Case

BD 5ml Syringe
Luer-Lok™ Tip with BD PrecisionGlide™ Needle
22G x 1 (0.7mm x 25mm)



Syringe with needle • Jeringa con aguja • Seringa com agulha • Seringue avec aiguille • Spritze mit Kanüle • Siringa con ago • Spuit met naald • Spruta med injektionsnål • Sprøjte med nål • Ruisku ja neula • Σύριγγα με βελόνα • Sprøyte med nål • Strzykawka z igłą • Brizgalka z iglo • Injekčná striekačka s ihlou • Süstal nõelaga • Fecskendő tűvel • Švirkštas su adatu • Stříkačka s jehlou • Šjirce ar adatu • İğneli şiringa • Шприц с иглой • Štrcaljka s iglom • Seringă cu ac • Спринцовка с игла • Шприц з голкою

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400 (4 x 100) **REF 309630**



(17)160924(10)1234567(30)400



(01)50382903096300

DGS11103

2016-09-24 **LOT** 1234567

Becton, Dickinson and Company
 1 Becton Drive
 Franklin Lakes, NJ 07417 (Direct Printed on the Case)

Each

BD 5ml Syringe
Luer-Lok™ Tip with BD PrecisionGlide™ Needle
22G x 1 (0.7mm x 25mm)



5ml 22G x 1
(0.7mm x 25mm)

Syringe with needle • Jeringa con aguja • Seringa com agulha • Seringue avec aiguille • Spritze mit Kanüle • Siringa con ago • Spuit met naald • Spruta med injektionsnål • Sprøjte med nål • Ruisku ja neula • Σύριγγα με βελόνα • Sprøyte med nål • Strzykawka z igłą • Brizgalka z iglo • Injekčná striekačka s ihlou • Süstal nõelaga • Fecskendő tűvel • Švirkštas su adatu • Stříkačka s jehlou • Šjirce ar adatu • İğneli şiringa • Шприц с иглой • Štrcaljka s iglom • Seringă cu ac • Спринцовка с игла • Шприц з голкою

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REF 309630



(01)00382903096305

For Training Purposes Only. These are not actual labels.



Sample Product Label from BD Mexico



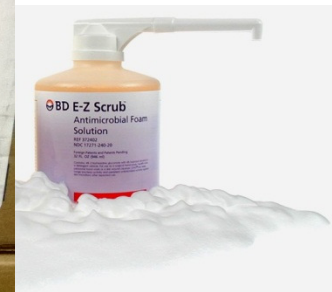
BD Plastipak[™]
Jeringa de plástico/Plastic Syringe

Para la aspiración o inyección de fluidos inmediatamente después de su llenado. Producto estéril, para usarse una sola vez y desecharse, no lavar, libre de pirógenos y libre de látex. Desechese de forma adecuada para evitar punciones accidentales. Single product, for single use, non toxic, non pyrogenic and latex free. Sterilized with Glaxolide Solution with Ethylene Oxide. No se garantiza la esterilidad del producto en caso de que el envase presente señales de haber sufrido ruptura física. Content of unopened or undamaged package guaranteed sterile. Fabricado y distribuido en México por: Made and distributed in Mexico by Becton Dickinson de México, S.A. de C.V. Autopista México-Querétaro Km. 37.5.

Pared regular

REF 302542
BD Luer-Lok[™]

3ml
23G x 25mm
(0.60mm) (1")



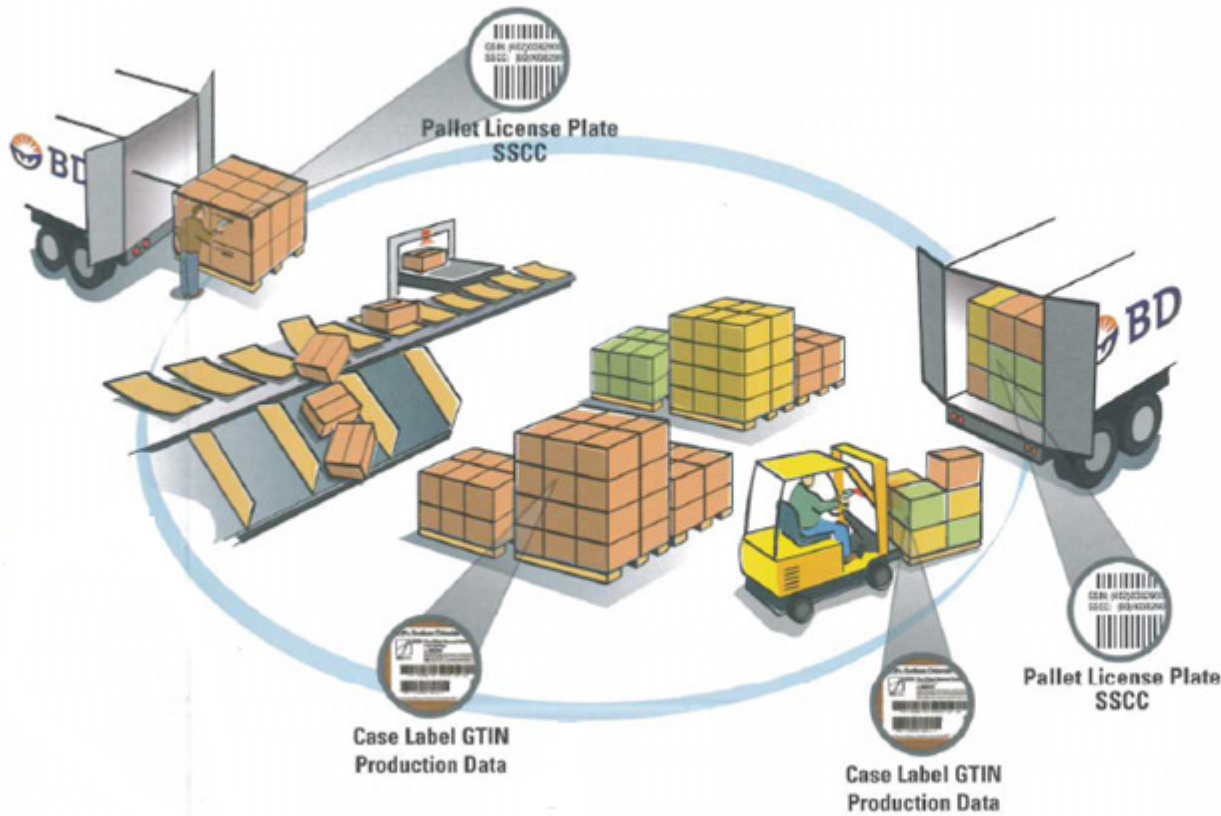
SAP Material Master

Material: 05553 YRINGE SAFETYLOK 1ML W/NDL 27X1/2

Units of measure/EANs/dimensions

X	AUn	Measur..	<..	Y	BUn	Measur..	EAN/UPC	Ct
1	EA	each	<=1	EA	each	00382903055531	UC	
1	SP	Shelfpack	<=100	EA	each	30382903055532	IC	
1	CAS	Case	<=500	EA	each	50382903055536	IC	

BD Mexico DC



3 BD Distribution Center

- GTINs and ASNs used for receipt verification
- GTINs used to assure accuracy of picked products
- GTIN and barcoded production data used to create and track shipping unit
- Shipping unit content barcoded and tracked with pallet license plate (SSCC)
- ASNs containing GTINs, SSCC numbers and GLNs sent to customers
- Inventory and delivery information stored in ERP system

Why BD Mexico is adopting GS1 Standards?

To optimize our internal supply chain operation and meet continued customer requests, BD has adopted GS1 standards for product identification bar coding.

Barcode types :

Unit Level:



GTIN-12 Primary code

Second level:



GTIN-14 Secondary code
GS1-128 Primary code



1.0 Purpose: Provide method for bar coding of BD Products

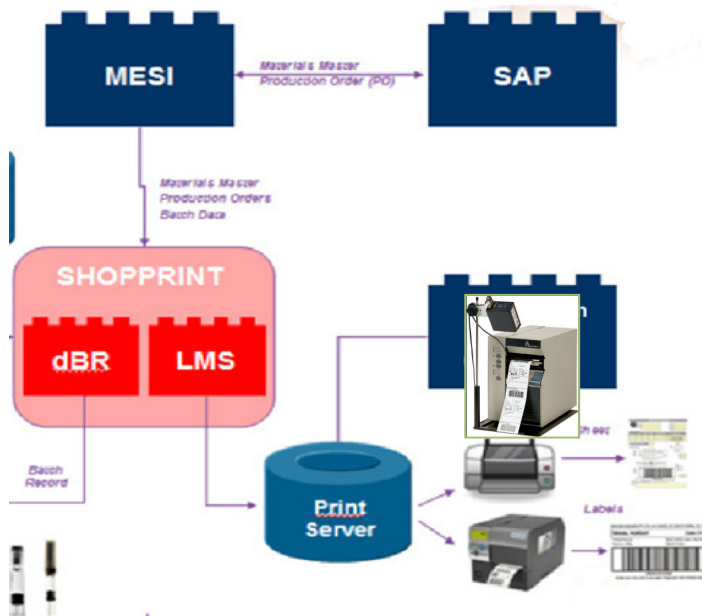
2.0 Scope: This document applies to all BD products distributed through our normal supply chain channels. Exceptions can be made for custom product shipped directly from a plant to the customer or where country requirements deviate from globally accepted standards. If the local bar coding requirements are outside of GS1 standards, it is essential that distribution of the product is limited to those requiring the deviation.

3.0 Rationale

To optimize our internal supply chain operation and meet continued customer requests, BD has adopted GS1 standards for product identification bar coding. Our adoption of the standard can include a primary bar code to identify the product (GTIN) and, depending on the package level and product, a secondary bar code for production attributes such as batch number, expiration date and unit quantities.

Functionalities we already get from GS1 Standards

Our Printing process is linked to ERP System:



Some of our Customers in Mexico requires barcode reading to receive Product at their DC's.

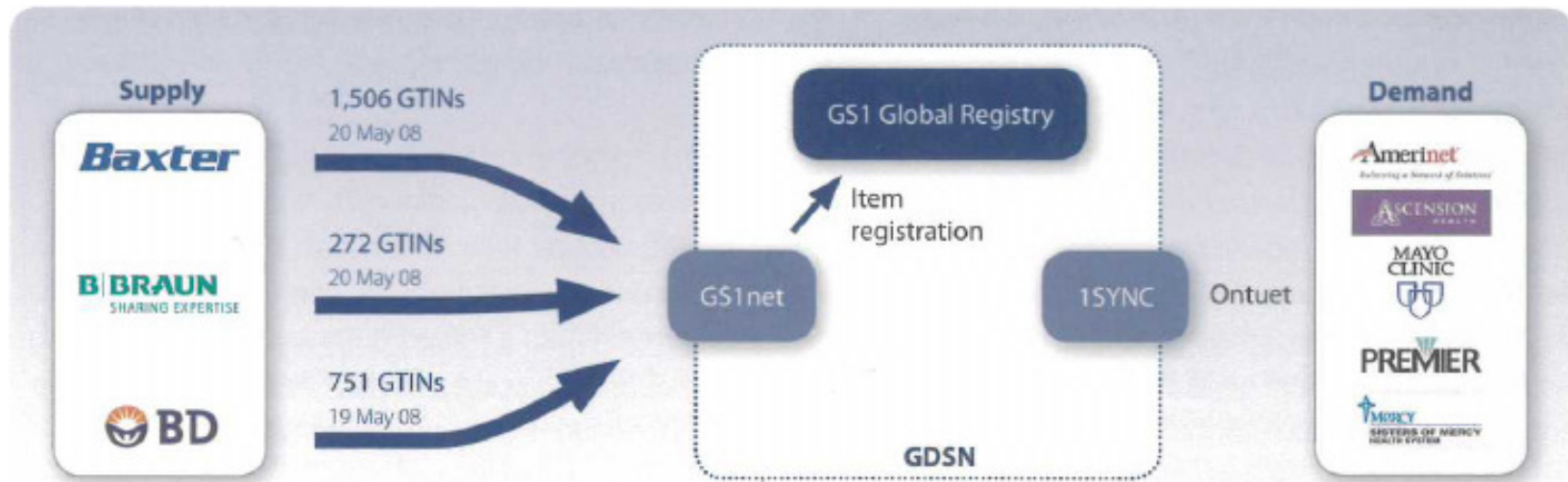


Other applications:

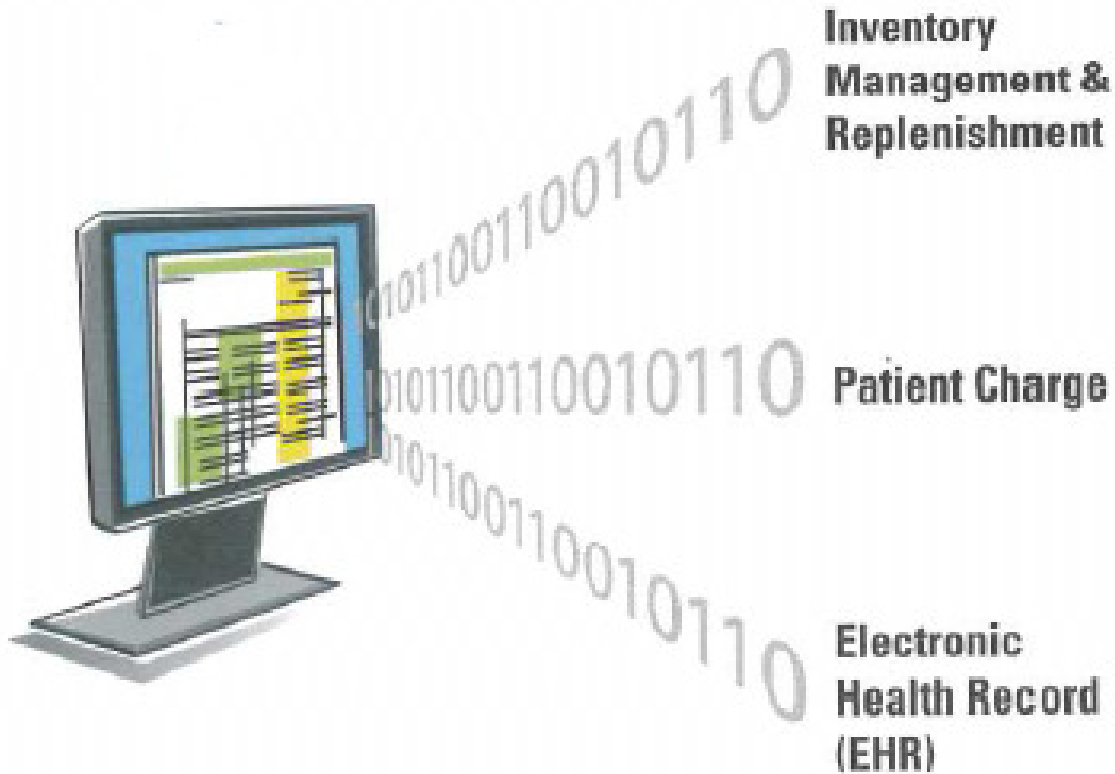
Most of important customers in Retail can consult in Web barcodes information of our products



What Other Countries are doing



The Potential....



Hospital Reception

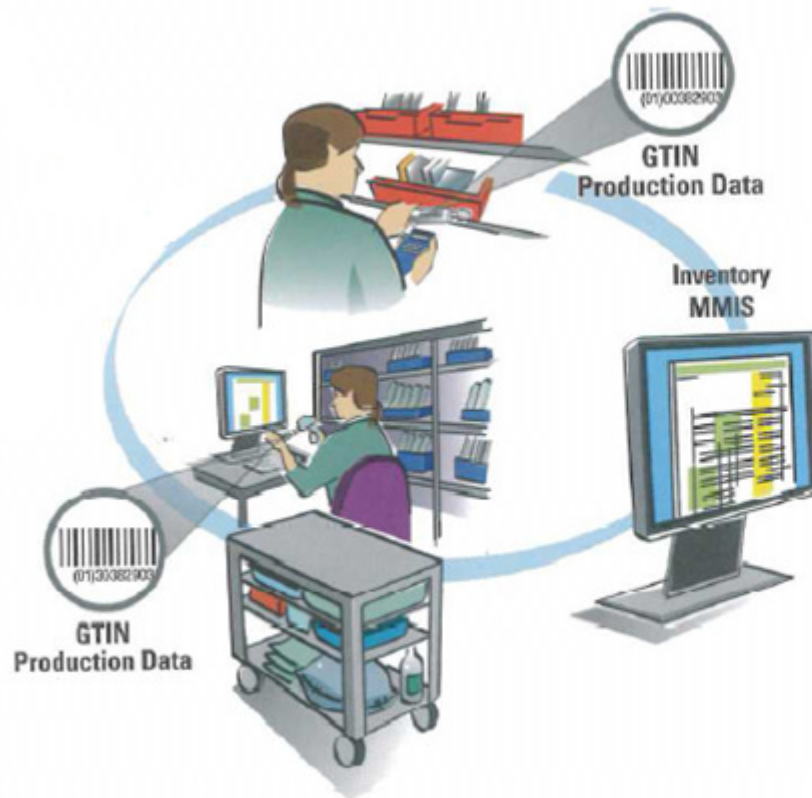


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Hospital – Receiving

- Advance Ship Notice (ASN) received from ROi
- No additional receipt activity required due to the high quality of pick using GTIN to validate item and quantity
- Chain of custody maintained through automated processes

Hospital Storage Classification

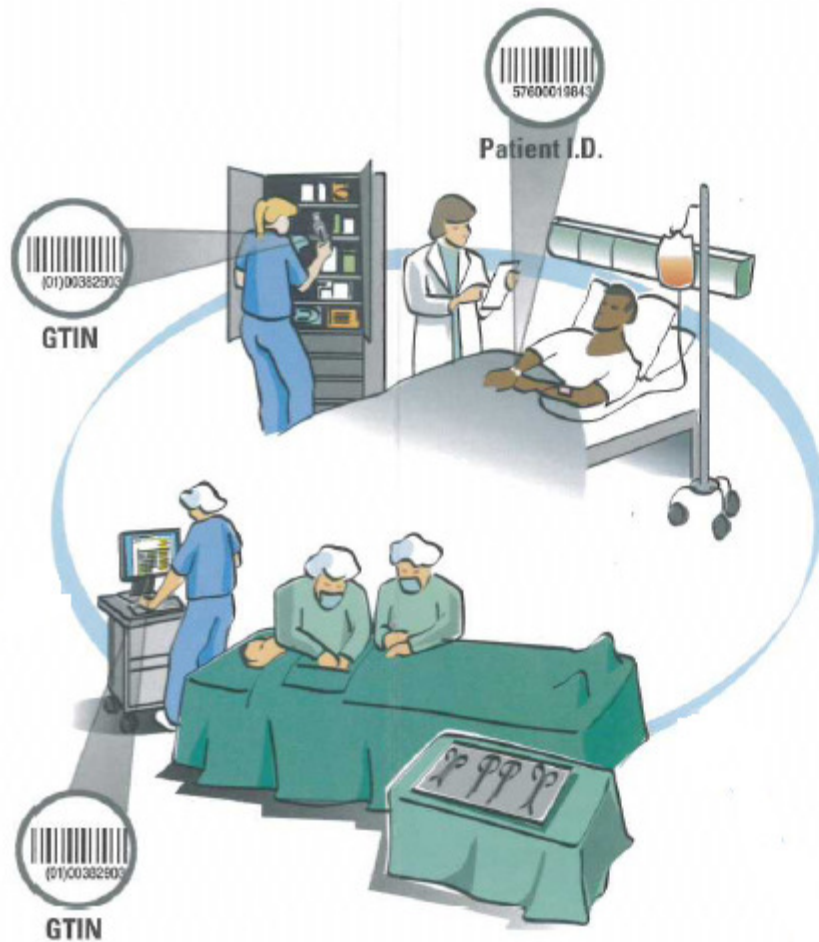


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Hospital – Store Room

- GTINs scanned to help search for products in Mercy's MMIS system
- GTINs used to order and track medical devices for use in labs, pharmacy, storage locations and in patient care areas
- Receiving and Delivery program used to scan and pick products for various departments throughout the hospital system
- GTINs used to drive inventory replenishment

The Patient



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Hospital — Patient Room

- Patient arm band is scanned identifying location and patient in point of care system
- GTINs on product packages are scanned at the point of care capturing critical information to drive:
 - Product consumption
 - Inventory replenishment
 - Patient charging
 - Cost accounting

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Hospital — Operating Room

- Products used during the procedure documented on the patient chart
- GTIN data tracked all the way from the point of order to the near exact time the product was applied to a specific patient
- In time, industry supported recall notifications for specific GTINs could trigger automatic reports alerting administrators of potential issues

Why do we need data standards?

“Harmonization, Harmonization and Harmonization”

- Globally harmonized data standards are necessary for an efficient, safe global supply chain.
- Globally harmonized data standards are needed to enable patient safety initiatives

GRACIAS