GS1 Standards Implementation in Spanish Hospitals

GS1 Healthcare Webinar

Ferran Domènech Fusté, Industrial Engineer and Master in Supply Chain Management; Standards Implementation Manager for Healthcare in GS1 Spain

October 28, 2019
Welcome and thank you for attending!

• Welcome to our October 2019 webinar.
  Thank you to our guest speaker Ferran Domènech Fusté, Industrial Engineer and Master in Supply Chain Management and at present in GS1 Spain Standards Implementation Manager for Healthcare.

• Some housekeeping for today:
  - All attendees will be in listening-only mode
  - If you have questions during the presentation, please type them into the questions area and these will be monitored then answered at the end of the call

• After the webinar:
  - Within a week, the recording will be posted to: http://www.gs1.org/healthcare/hpac_webinars
  - All previous webinars are also posted to this location, so please feel free to use this resource and share the link
GS1 Healthcare Webinars

Forum for thought leaders and adopters of GS1 Healthcare Standards from the global clinical provider environment. The final goal is to improve patient safety, cost efficiency and staff productivity through implementation of GS1 standards.

- A forum for sharing and discussion
- Identification of projects and case studies
- A source of expertise and advice

- The practical realities of implementation of GS1 Standards in the care giving environment in regards to the impact on clinical care and patient interaction
- Supporting the adoption of GS1 Standards in healthcare providers and retail pharmacies
- For publication, presentation and sharing
- To those involved in GS1 standards development, the wider Healthcare stakeholder community and senior executives/decision-makers to gain their buy-in and support for implementation of GS1 Standards
Specific GS1 Healthcare Activities

**Webinars**
- Monthly webinars open to all stakeholders interested in learning about GS1 standards implementation in the care giving environment.
- [http://www.gs1.org/healthcare/hpacc_webinars](http://www.gs1.org/healthcare/hpacc_webinars)

**Awards**
- Twice per year
- Provider Implementation Best Case Study Award
- Provider Recognition Award
- The prize: travel & accommodation to attend the next GS1 Healthcare conference
- [http://www.gs1.org/healthcare/hpac](http://www.gs1.org/healthcare/hpac)

**GS1 Healthcare also holds two global conferences per year.**
The next conference will be in Delhi, India from November 5–7, 2019, with significant Healthcare Provider participation on the agenda.
Presenting today

**Ferran Domènech Fusté**

- Industrial Engineer in UPC (Universitat Politècnica de Catalunya)
- Master in Supply Chain Management (Universitat La Salle - Ramon Llull)
- Since 2013 at GS1 Spain: GS1 Standards Implementation Manager for Healthcare, leading EDI Implementation in the GS1 Spain's user group, Traceability projects in Spanish market (Serialization, UDI, Hospital Pharmacy and Medical Device) & Standards development at global level.
GS1 Standards Implementation in Spanish Hospitals
Agenda

• About GS1 Spain in Healthcare
• About Healthcare Providers in Spain: The public healthcare system
• GS1 Spain Activities to engage with Healthcare Providers
• 3 Projects in place:
  - Traceability of pharmaceuticals for cancer treatment in Gregorio Marañón Hospital (Madrid)
  - Inventory Management and traceability for high cost Medical Device in Institut Catalá de la Salut.
  - EDI project in Spain.
About GS1 Spain

GS1 SPAIN in numbers

+ 30,000 members: One of the biggest company association in the state.

+1,200 members in the Healthcare industry

Meeting point for Healthcare Providers, Wholesalers, Laboratories, Medical Device Manufacturers...
Do you think we just have one project?

10 of them GS1 Spain members, plus single hospitals...
Different operating models

Buying Centralized → Regional Catalogue
1 Logistic Platform → n Logistic Platform

Pharmaceuticals managed by Hospital Pharmacy!
GS1 Spain Activities to engage

In such an atomized market...

COLLABORATION WITH ENTITIES:

• 7 Procurement Managers from Regional Healthcare Providers in GS1 Spain Healthcare Industry Board

• Constant engagement with SEFH (Spanish Association of Hospital Pharmacy)
  - Traceability pilots
  - Presentation in technical groups
  - Assessment
GS1 Spain Activities to engage with Hospitals

Yearly we organise for them...

• 2 free webinars on the benefits of GS1 Standards for Hospitals – 60 assistants
• 1 free face to face workshop with real projects from hospitals (Sponsored by Technological providers) – 40 assistants
• 1 Healthcare Congress with 200 Healthcare professionals (special price for Public Hospitals)

• We count on the Healthcare Providers as presentors in our regular trainings:
  - EDI
  - AIDC
Traceability in Hospital pharmacy for oncological preparations
Traceability in Hospital Pharmacy

Guess what...

3%

Severe medical errors in patients

White R. Journal of Oncology Pharmacy Practice 2014
Traceability in Hospital Pharmacy

Preparation of pharmaceuticals for cancer treatments in Gregorio Marañón

Key Point: Security for oncological patient

- High toxicity
- Complexity in preparation (strict doses)
- High cost treatment

- Adverse effects
- Toxicity accumulation
- Complexity, other illnesses.
- Vulnerable

- Increasing number of patients
- Complex processes
- Multidisciplinar

Pharmaceuticals  Patient  Environment
Traceability in Hospital Pharmacy

Traceability to achieve...

SECURITY

EFFECTIVENESS

QUALITY
Traceability in Hospital Pharmacy

The process in the Hospital

- Prescription
- Validation
- Preparation
- Dispensing
- Administration
- Patient follow-up
Traceability in Hospital Pharmacy

Preparation → Identification of pharmaceuticals

Benefits:
• Avoid medical errors
• Security for pharmacists
• Integrated with prescription system

Main barriers:
• Barcode at the lower level (vial)
Traceability for implants
Traceability of Implants

Objectives for Vall d’Hebrón Hospital (Barcelona)

- Automated registry of Implants
- Easy tool for nurses
- Integrate information with Eco-fin system
- Patient safety
Traceability of implants

IT development:
- Integration between SAP Eco-fin and SAP “Hospital”
- Adapt Master Data
- Integrate equipment: Smart Cabinets

Process definition:
- Product Master Data registry
- Fulfillment of the operation theatre
- Scan points
Traceability of Implants

Actions needed

• Training hospital employees: from Logistics and buyers up to nurses.

• Coordination with Logistic Operator to change management of the consignments.

• Coordination between buying Manager from Healthcare provider to maintain GTINs and contracts.

• Begin for the most critical units of cost (criticality with patient and consumption cost).
Main barriers

• Barcodes without traceability information

• Low printing quality barcodes: dimensions, quiet zones, colors and contrasts...
• Multiple barcodes in the same packaging.
• Barcode placement in the packaging.
EDI Implementation for Healthcare Providers
EDI implementation in Healthcare providers

Some numbers...

- 9 Public Healthcare providers using standard EDI
- 1 Private Healthcare provider using standard EDI
- +500 users in Spain in Healthcare, including laboratories, medical device manufacturers, wholesalers and Hospitals / Healthcare Providers
EDI scenario in Spain

Supplier

Check order content
Send response
Prepare order
Adjust discrepancies
Invoice emission

Healthcare Provider

ORDERS
ORDRSP
DESADV
RECADV
INVOIC

Order Products
Verification of delivery
Send discrepancies
Validate and accounting

The Global Language of Business
EDI Scenario in Spain

Consignment processes

Supplier

(ORDERS)

Factura (INVOIC)

Healthcare Provider

To send product and create the consignment

To notify product usage in a patient.
EDI in Healthcare providers

Benefits

• Patient Safety
  • Traceability
    • DESADV message
    • ORDRSP message – helps master data exchange

• Cost saving
  • Reduces administrative tasks
    - ORDRSP message – reduces invoice mistakes
    - DESADV message – decreases reception process up to 60% in time
    - RECADV message – reduces invoice mistakes
EDI in Healthcare Providers

How do they increase usage?

Medidas de incentivación a la contratación

II. Logística (hasta 5 puntos):

1) No disponibilidad de EDI. 0 puntos

2) Disponibilidad de EDI (*). 4 puntos

3) Disponibilidad de EDI + disponibilidad de GTIN (GS1) 13/14/128 en unidad de segundo embalaje o unidad mínima de envasado que pueda ser usada como unidad de despacho en la distribución interna del producto. Implica 2 formatos logísticos con código GTIN, en el que como mínimo uno de ellos será un formato logístico para usar al hacer un pedido. 4,5 puntos

4) Disponibilidad de EDI + disponibilidad de GTIN (GS1) 13/14/128 en unidad de segundo embalaje o unidad mínima de envasado que pueda ser usada como unidad de despacho en la distribución interna del producto + GTIN (GS1) 13/14/128 en otro formato logístico distinto de los anteriores con el que operar al hacer pedidos. Implica 3 formatos logísticos con código GTIN, en el que como mínimo 2 de ellos serán un formato logístico para usar al hacer un pedido. 5 puntos

(*) La disponibilidad de EDI implicará que la empresa dispone de los medios tecnológicos necesarios para hacer Intercambio Electrónico de Datos (EDI) con el Servicio Gallego de Salud y que para todos y cada uno...
Some short conclusions
Conclusions

Our standards are “boring” for Healthcare Providers

• Speak their language → Project Imagine is GREAT!!
• Translate our wording to specific BENEFIT for patients.

Right moment and right person

• You may have to explain the same to different people
• Adapt message to nurses, doctors, CEO, Financial Manager...

Understand hospital value chain

• LISTEN what is in their agenda as a priority!

Collaborate with stakeholders

• Hospital pharmacy association, Hospital Logistics Associations...
• They can be GREAT loudspeakers in the sector
Questions
GS1 Healthcare webinar:
Questions and contact details

Els van der Wilden
Director Healthcare Providers
GS1

Tel  +31615545868
eMail els.vanderwilden@gs1.org

Ferran Domènech
GS1 Standards Implementation
GS1 Spain

eMail fdomenech@gs1es.org

www.gs1.org