

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/hpa c 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

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

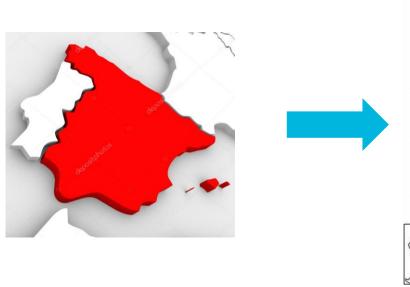
Meeting point for Healthcare Providers, Wholesalers, Laboratories, Medical Device Manufacturers...



About Public Healthcare Providers in Spain



Do you think we just have one project?





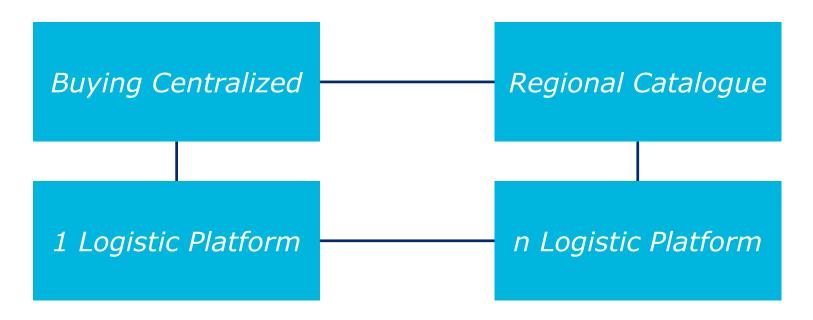


10 of them GS1 Spain members, plus single hospitals...

About Public Healthcare Providers in Spain



Different operating models





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



Guess what...

3%

Severe medical errors in patients

White R. Journal of Oncology Pharmacy Practice 2014





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 illneses.
- Vulnerable

Patient

- Increasing number of patients
- Complex processes
- Multidisciplinar

Environment

Pharmaceuticals









Traceability to achieve...

SECURITY EFFECTIVENESS QUALITY





The process in the Hospital







Validation



Preparation



Dispensing



Administration



Patient followup





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).



Traceability of Implants



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



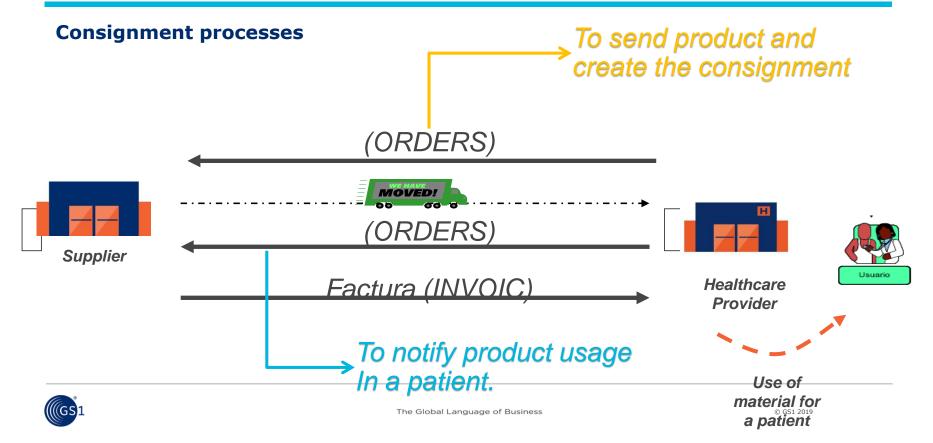
Supplier Healthcare Provide Check order ORDERS **Order Products** content **ORDRSP** Send response DESADV Verification of Prepare order delivery RECADV Send discrepancies Adjust discrepancies -*INVOIC* Validate and Invoice emission



accounting

EDI Scenario in Spain





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?







Some short conclusions



Conclusions



Our standards are "boring" for Healthcare Providers

Right moment and right person

Understand hospital value chain

Collaborate with stakeholders

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

- You may have to explain the same to different people
- Adapt message to nurses, doctors, CEO, Finantial Manager...
- LISTEN what is in their agenda as a priority!

- Hospital pharmacy association, Hospital Logistics Associations...
- They can be GREAT loudspeakers in the sector



Questions







GS1 Healthcare webinar:

Questions and contact details





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