GS1 Healthcare Provider Advisory Council Webinar

Implementation of GS1 standards in Healthcare

George Nicolaos,
Head of Medical Community Coulommiers Hospital,
Head of Pharmacy unit East Francilian Hospital Group (EFHG)
October 2016
Welcome and thank you for attending!

• Welcome to our October 2016 webinar. Thank you to our guest speaker – George Nicolaos, Head of Medical Community Coulommiers Hospital and Head of Pharmacy unit East Francilian Hospital Group

• Some housekeeping for today:
  - All attendees will be on mute
  - 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
The GS1 Healthcare Provider Advisory Council (HPAC)

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

A forum for sharing and discussion

- About the practical realities of implementation of GS1 Standards in the care giving environment in regards to the impact on clinical care and patient interaction
- That support 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

Identification of projects and case studies

A source of expertise and advice
Webinars

- Monthly webinars open to all stakeholders interested in learning about GS1 standards implementation in the care giving environment.
- http://www.gs1.org/healthcare/hpac_webinars

Awards

- Twice per annum
  - Provider Best Case Study Award
  - Provider Recognition Award
  - The prize is travel / accommodation to attend the next GS1 Healthcare conference
- http://www.gs1.org/healthcare/hpac

Implementation of GS1 Standards in Healthcare

G. Nicolaos

Head of Medical Community
Coulommiers Hospital

Head of Pharmacy unit
East Francilian Hospital Group
(EFHG)
Summary

1/ Several examples of GS1 Standards in Healthcare
   ✓ Traceability of surgical instruments and medical devices
   ✓ Reception and traceability of blood derivatives, cytotoxic drugs
   ✓ Reception and traceability of products for parenteral nutrition preparation for neonatal intensive care unit

2/ Projects for the future
   ✓ E catalog
   ✓ Supply chain of drugs and medical devices
   ✓ Serialization
TRACEABILITY OF SURGICAL INSTRUMENTS THANKS LASER DATA MATRIX AND MEDICAL DEVICE TRACEABILITY

M. Tournoud, Y. Hassani, J. Mignon, F. Fremont, G. Nicolaos

Robert Ballanger Hospital
Project presented in Eucomed 2008
Work presented in:
GS1 Healthcare Conference Vienna 2009 and GS1 Healthcare Conference Washington 2009
Traceability in the operating room

Operating room

Surgery intervention

Distribution of a sterile medical device

Process

UDID

Pharmacy

Reception

Implantable Medical Device

Distribution

Sterilization unit

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Laser Data Matrix 2D barcode
New instrument
Laser Data Matrix 2D barcode
Used instrument
GS1 standards in Coulommiers Hospital and in East Francilian Hospital Group
East Francilien Hospital Group

Paris and the surrounding area
420 Hospitals
12 000 Km²
12 $10^6$ Habitants

Seine et Marne
28 Hospitals
5 900 Km²
1,2 $10^6$ Habitants

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East Francilian Hospital Group

M Guizard
Head of Pharmacy unit
East Francilian Hospital Group (EFHG)

MSM: Medicine, Surgery, Maternity

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In 2009, it was a very simple process
How can we promote patient safety with 1 ou 2D barcodes?
Method

Is there a bar code?
- 1D?
- 2D?

Is the Bar code readable?
What are the data contained in the 1 ou 2D barcode?
## Barcode composition

<table>
<thead>
<tr>
<th></th>
<th>Secondary level n=572</th>
<th>Primary Level n=572</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bar code presence</td>
<td>100% (572)</td>
<td>20,8% (119)</td>
</tr>
<tr>
<td>Readability of bar code</td>
<td>100% (572)</td>
<td>56,3% (67)</td>
</tr>
<tr>
<td><strong>Bar code format N=572</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS1 Datamatrix</td>
<td>96,3% (551)</td>
<td></td>
</tr>
<tr>
<td>Linear bar code</td>
<td>3,7% (21)</td>
<td></td>
</tr>
<tr>
<td><strong>Composition of the GS1 code (n=551)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GTIN/Batch/ED (01/10/17)</td>
<td>97,3% (536)</td>
<td></td>
</tr>
<tr>
<td>GTIN/Batch/ED/Fab (01/10/17/11)</td>
<td>2,0% (11)</td>
<td></td>
</tr>
<tr>
<td>GTIN/Batch/ED/SN (01/10/17/21)</td>
<td>0,35% (2)</td>
<td></td>
</tr>
<tr>
<td>GTIN/Batch/ED/Fab/SN (01/10/17/11/21)</td>
<td>0,35% (2)</td>
<td></td>
</tr>
</tbody>
</table>
First application

- First use of GS 1 barcodes: Reception and distribution of stable blood derivatives
<table>
<thead>
<tr>
<th>Batch</th>
<th>Expiry date</th>
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<tbody>
<tr>
<td>B241C2611</td>
<td>30/09/2014</td>
</tr>
</tbody>
</table>

**Product:** OCTAPLEX, pdr et solv pr sol inj, flac & flac + sol

**Fournisseur:** OCTAPHARMA SAS

**Référence produit:** 0300096000

**Magasin:** 3410

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Second application: Intravenous chemotherapy preparation

- Reception of cytotoxic drugs thanks to the 2D Barcode
Reception and traceability of products for parenteral nutrition preparation for neonatal intensive care unit
The Pharmaceutical Process
Marne la Vallée Hospital

B Loison Head of Pharmacy unit / M Tiah Pharmacist
The Pharmaceutical Process
Meaux Hospital

M Guizard Head of Pharmacy Unit / L Pellamourgues - S Djourssa Pharmacists
The Pharmaceutical Process
Meaux Hospital

Pharmaceutical validation of drug prescription

Automatic distribution

Pharma®

Pillpick Manager®

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GS 1 Standards in the future in the East Francilian Hospital Group
And the future?
The ultimate goal
The pharmacy of the EFHG in 2017

- 1 principle pharmacy and Three or four sites : GLN

- 3 sites with surgery : UDI, traceability of surgical instruments

- Reception of drugs with the GS1 datamatrix
E-catalog project

- Direct transmission of products related informations
- For the EHFG, standardization of health products

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Supply of drugs and medical devices -2017-

Organisation des activités socles
Approvisionnement – Logistique Interne

GS 1 Standards:
GLN
SSCC

Drugs

Medical Devices

Administrative activities

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Serialization and NMVO / 2019

Distributor

AMM

Hub Européen (EMVS)

Répertoire National France (NMVS France)

DONNÉES SÉCURISÉES

Stakeholder

Hospital pharmacy

Pharmacy
Conclusion

- More than ten years to promote traceability and patient safety with GS1 standards
- Implementation of several applications with GS1 standards: traceability of surgical instruments and implants, reception and distribution of drugs
- GS1 standards is the global solution

**One goal**: promote patient safety and traceability of drugs and medical devices
Thanks to

- F Fremont, J Mignon, B Besnard, P Laffly, JM Toulouse Ballanger Hospital
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- JC Phelep, CEO of the EFHG
- P Borg, T Simon, Y Benanteur, Coulommiers Hospital
- T Liautaud, L Pellamourgues, M Tiah, B Loison, M Guizard
- All members of GS1, Ballanger Hospital and EFHG
HPAC Questions and contact details

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