What is a GTIN?

GS1 Ireland Healthcare Webinar Series - Flashtalk

Siobhain Duggan, Director of Innovation and Healthcare, GS1 Ireland
Amanda Creane, Healthcare Project Management Executive, GS1 Ireland
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Introductions

Siobhain Duggan
Director of Innovation and Healthcare
Email: siobhain.duggan@gs1ie.org

Amanda Creane
Healthcare Project Management Executive
Email: amanda.creane@gs1ie.org
GS1 Ireland Healthcare Webinar Series: What is a GTIN?

**Agenda:**
- What is a GTIN?
- What are the barcodes used in Healthcare?
- Why use a GTIN?
What is a GTIN?
A Global Trade Item Number (GTIN) is used for the unique identification of healthcare products worldwide. The GTIN is encoded in a standard barcode to enable scanning.

The GTIN is the primary device identifier for the majority of healthcare products.
Where does the GTIN come from?

The manufacturer assigns the GTIN to each packaging level. GTINs are scanned to track products through the supply chain. GTINs are scanned to track product to patient.
What are the barcodes used in Healthcare?
Barcodes used in Healthcare

Healthcare is moving to a barcode with more traceability in one beep!

Batch, Expiry and serial number are often included
What are the regulators saying?

**MDR: Unique Device Identification (UDI)**
- (01) Product Code/GTIN
- (10) Batch
- (17) Expiry
- Serial number (where applicable)

**Falsified Medicines Directive (FMD)**
- (01) Product Code/GTIN
- (10) Batch
- (17) Expiry
- (21) Serial Number

**Medical Devices Deadline for EU:**
May 2020
(EC has proposed a 1 year delay due to COVID-19)

**Pharmaceuticals:**
Deadline for EU:
9th Feb 2019
Use and learn period ended 31st Jan 2020

Note: FDA regulation already in place
Why use a GTIN?
Standardisation of product coding in Irish Healthcare - Current challenge

Example of product code duplication across suppliers:

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product code/ Catalogue #</th>
<th>Description</th>
<th>Supplier/product code is not globally unique!</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medtronic</td>
<td>305905</td>
<td>Mosaic ® 305 Porcine Heart Valve ...................</td>
<td></td>
</tr>
<tr>
<td>BD</td>
<td>305905</td>
<td>3mL BD SafetyGlide ™ Syringe ......................</td>
<td></td>
</tr>
<tr>
<td>J &amp; J</td>
<td>305905</td>
<td>Protectiv ® IV Catheter System ....................</td>
<td></td>
</tr>
</tbody>
</table>

- GTIN can be linked to existing code
- GTIN is globally unique
- GTIN is in the barcode on the packaging
Standardisation of product coding in Irish Healthcare - Current challenge

Example of how supplier product code changes from manufacturer to patient:

- **Current practice**
  - Manufacturer: Product # 305905
  - Distributor: Product # MT305905
  - Healthcare Provider: Product # M-5905

- **Best practice**
  - GTIN

Recent HSE National Tender for medical consumables mandated GTIN for each product packaging level.
What is driving the need for standardisation in Irish Healthcare?

- Procurement Efficiencies
- Government Requirements
- Regulatory Requirements
- Cross border trade
- Product Recall
- Patient Safety
- Scan4Safety
- Operational Efficiencies

“Barcodes can turn everything into data”

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Advisory Services
- On-site implementation support and advice
- Implementation specification design and/or review
- Barcode Verification
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Next Webinar: 22nd April
Which GTIN is this? Packaging Hierarchies

<table>
<thead>
<tr>
<th>Single Unit Package</th>
<th>Multiple Unit Package</th>
<th>Case or Shipper</th>
<th>Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTIN A</td>
<td>GTIN B</td>
<td>GTIN C</td>
<td>GTIN D</td>
</tr>
</tbody>
</table>
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Questions?