



The Global Language of Business

# 'The barcode BEEP' What it can do for you now and in the future

*Safer, more efficient care starts with a simple scan!*

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Amanda Creane, Healthcare Project Management Executive, GS1 Ireland  
July 2019

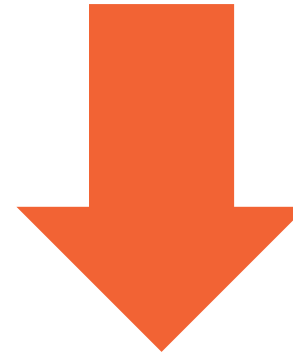
# GS1 - An international standards organisation



# It all starts with a simple scan GTIN/(previously EAN)



**The first scan in  
1974**



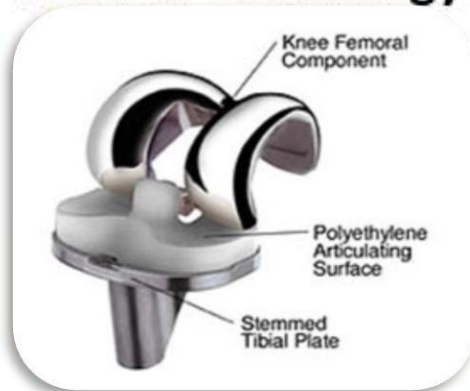
**today**



# Hospital and Healthcare supply chains...



**State of the art  
medical technology**



**Supply Chain Traceability  
from the Dark Ages**



**VS**

# EU Falsified Medicines Directive (FMD)



**Before FMD**



**After FMD**



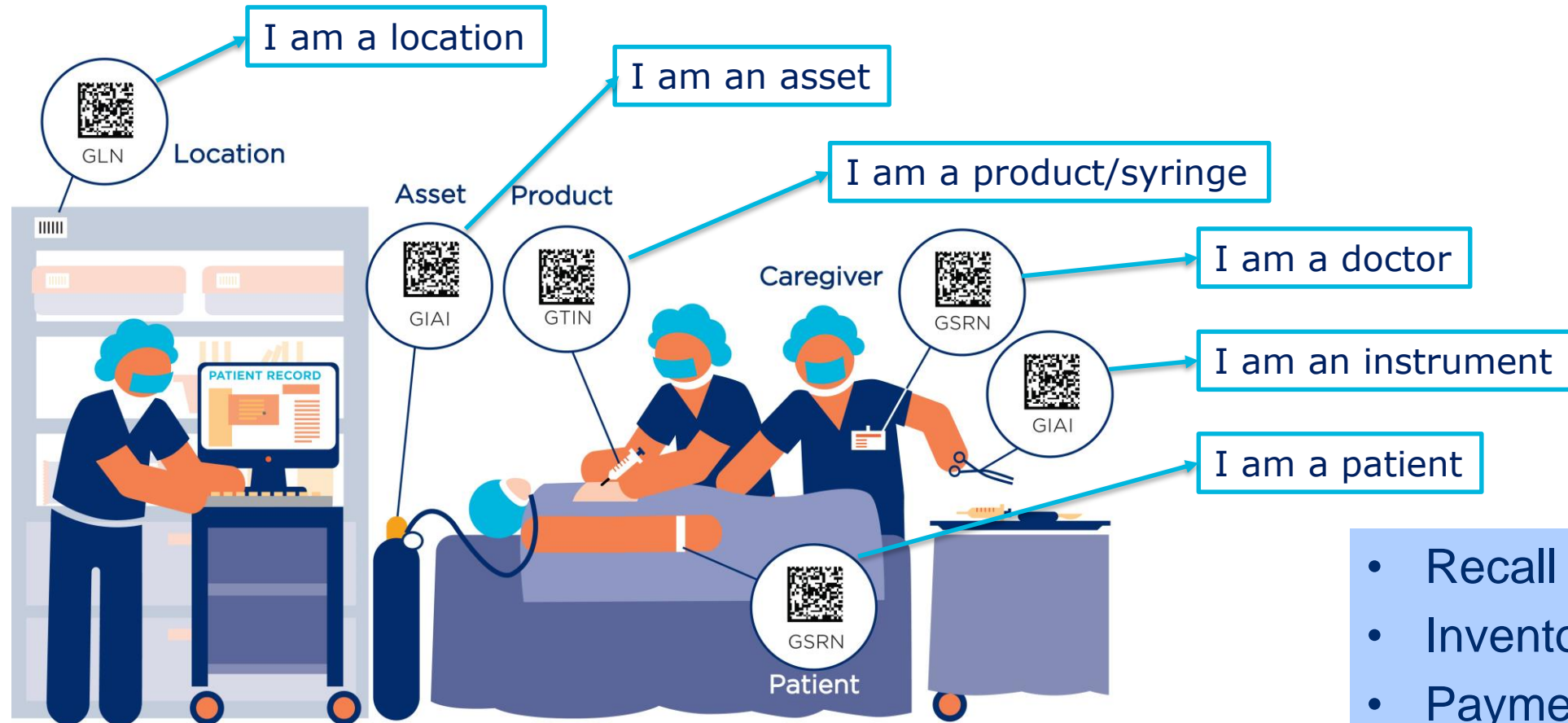
(01) 0 5391234 00000 9  
(17) 180930  
(10) ABC123  
(21) 1A2B3C4DQ

**GTIN**  
**Expiry**  
**Batch**  
**Serial#**

***All prescription medicines (including vaccines) now have a 2D barcode (9<sup>th</sup> Feb 2019)***

***>> Opportunity for traceability and scanning***

# What happens when.... a GS1 barcode is scanned?



- Recall
- Inventory
- Payment

*GS1 Standards enable many applications and uses within industry sectors*



# Case Study Special Feeds Unit implementing electronic traceability



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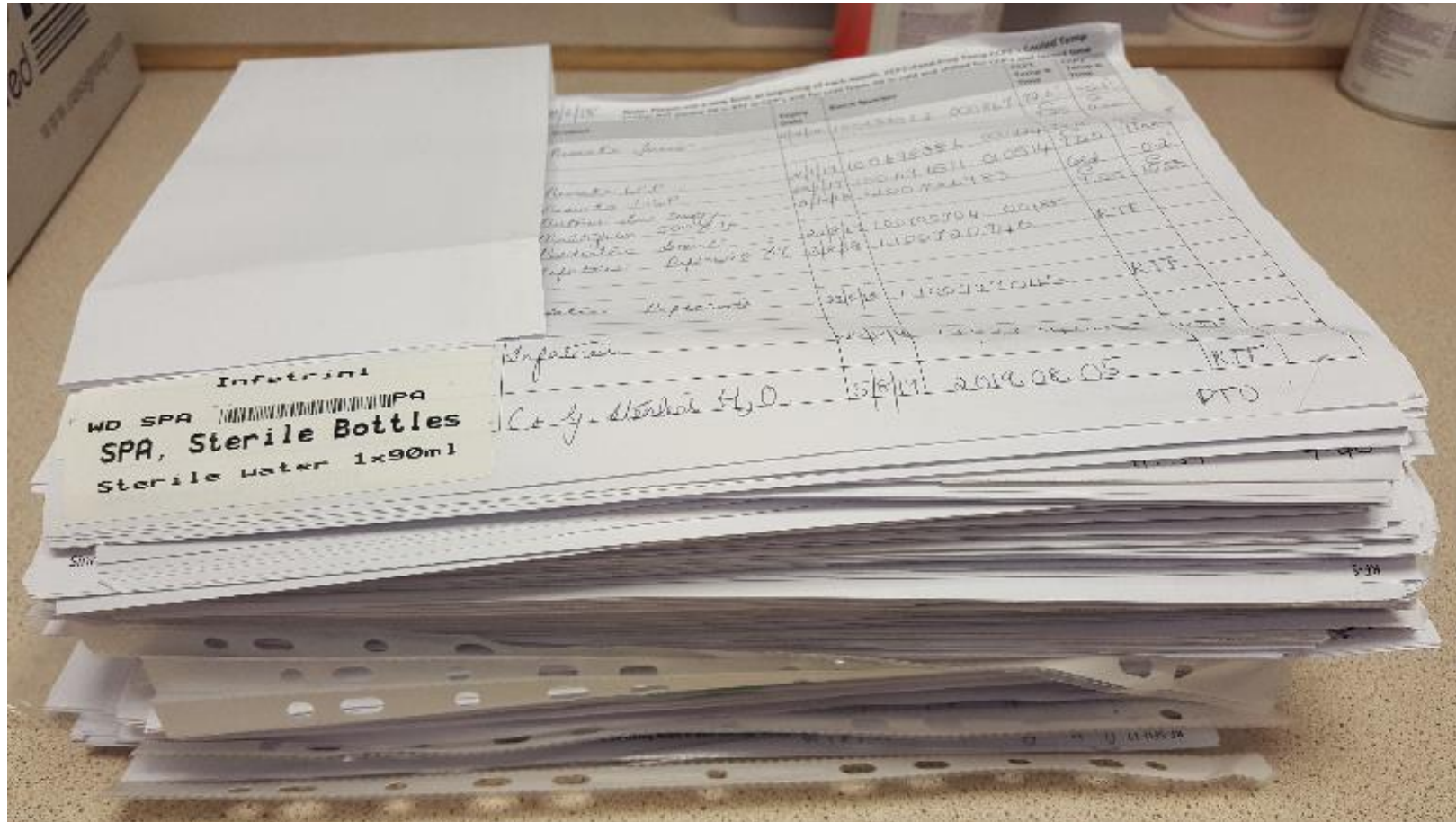
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# What happens when a product is recalled?

## Paper based traceability



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6 months of records up to 16 lines per page



# The process- before

## Before



Paper system, multiple manual recordings/batch



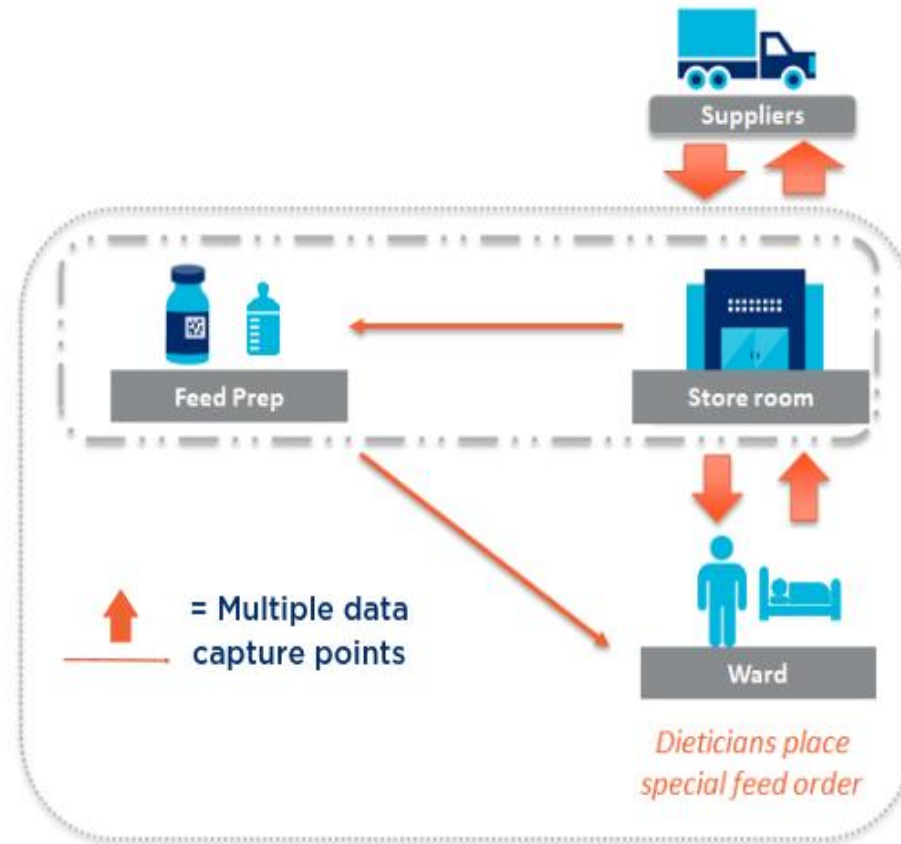
Difficult to track



Non compliant to food safety standards



3 staff rostered/week



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# Barcode identification is key to electronic traceability

## Person



## Product



## Place

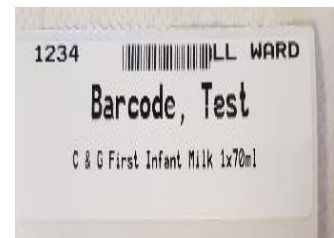


Staff ID cards with unique barcode number for recording product movements

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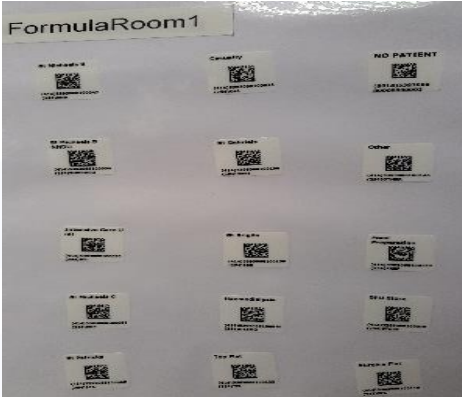
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Patient ID\*\*



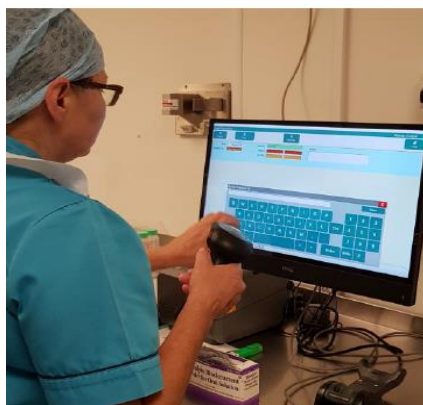
The hospital's standards Compliant serialised traceability labels



Standards compliant barcodes for every dispatch location

# Implementation

## Hardware & Software Installed in key areas



## Electronic Product Catalogue Created

Traceability . . .

< Back Refresh Print

From: < 30-Dec-2018 > To: < 30-Jan-2019 >

Product: FR0202 PAEDIASURE PLUS STRAWBERRY 200ML

Batch: Patient:

By Product By Supplier By Patient By Item

GTIN	Code	Description
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...

## Unique ID applied to every unit of feed



Every unit of feed identified, labelled and traceable

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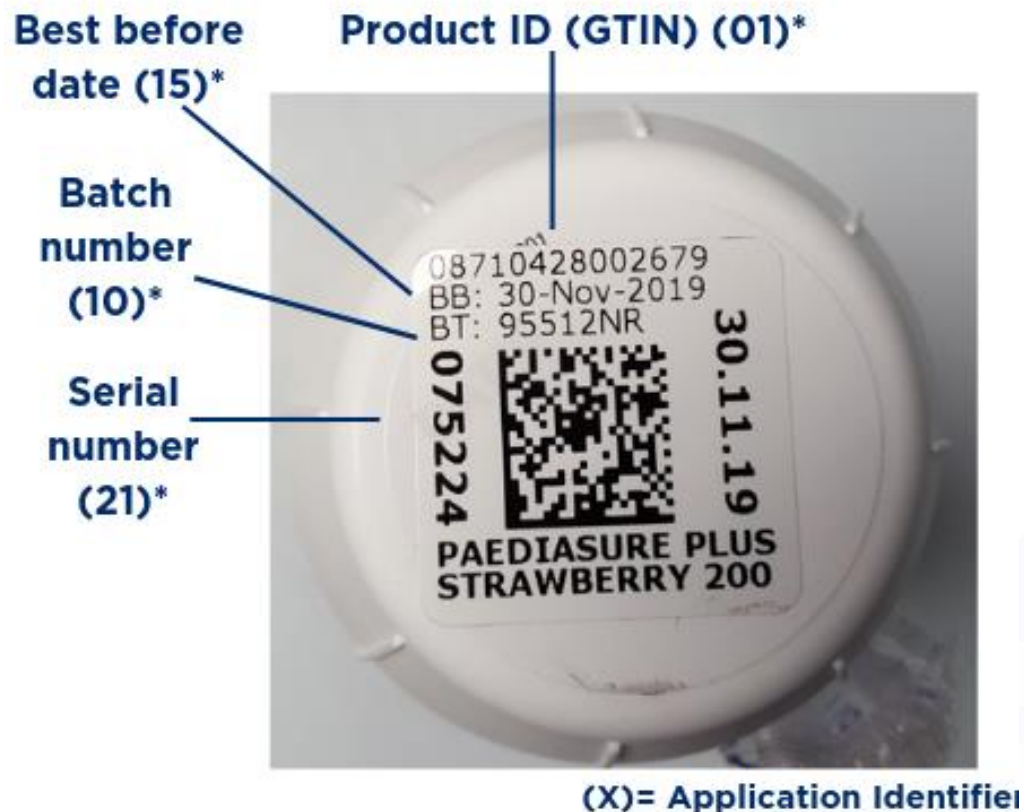


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# All products labelled with Serialised 2D barcode

*The same as the FMD barcode*

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\*Titles are abbreviated or missing due to label size being limited and not to obscure any text on original product label.

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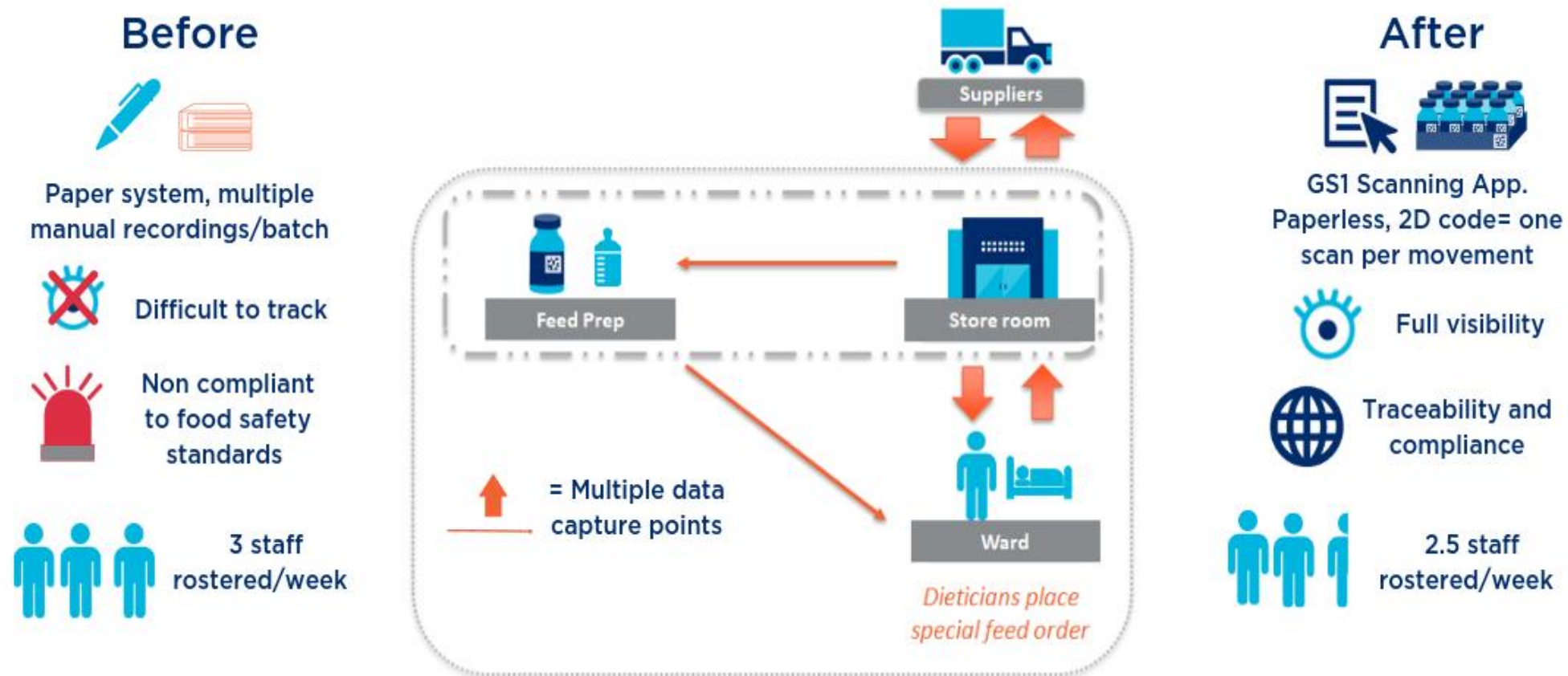
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# Electronic Traceability – the new process



# Sample Report : Batch Numbers

Traceability ...

Sinead Moran

< Back Refresh Print Help

From: < 30-Dec-2018 > To: < 30-Jan-2019 > Status: < >

Product: FR0202 PAEDIASURE PLUS STRAWBERRY 200ML

Batch: Patient:

By Product By Supplier By Patient By Item

GTIN	Code	Description	Qty	Supplier	Supplier Batch	Status	Patient Id	Rx Ref.
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	6		82703NR	Dispatched	407838	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	4		82703NR	Dispatched	450238	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	3		82703NR	Dispatched	533020	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	4		82703NR	Dispatched	745679	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	6		82703NR	Dispatched	80185393	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	4		82703NR	Expired		
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	2		82703NR	Expired		
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	2		84603NR	Dispatched	474325	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	3		84603NR	Dispatched	No Patient	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	25		84603NR	Expired		
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	3	United Drug	95512NR	Dispatched	691420	
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	54	United Drug	95512NR	In Stock		
08710428002679	FR0202	PAEDIASURE PLUS STRAWBER...	3	United Drug	95512NR	In Stock		

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# Sample Report : Out of date products

Current Stock Levels . . .

Sinead Moran

< Back

Reset Filters

Print

Help

Status:  Location:

P. Order No.:

SSCC:

Product:

Del Docket:

Shelf Life:

Supplier:

Supplier Batch:

Ser. No.:

By Product

By Date

By Batch

By Supplier

By Location

By Case

By Item

GTIN	Code	Description	Qty
08712400682664	FR0016	C&G NUTRIPREM 2 200ML	3
08712400157513	FR0135	TENTRINI ENERGY PACK 500ML	1
000000000000000	PH0003	STERILE WATER 1L	2
Total:			6

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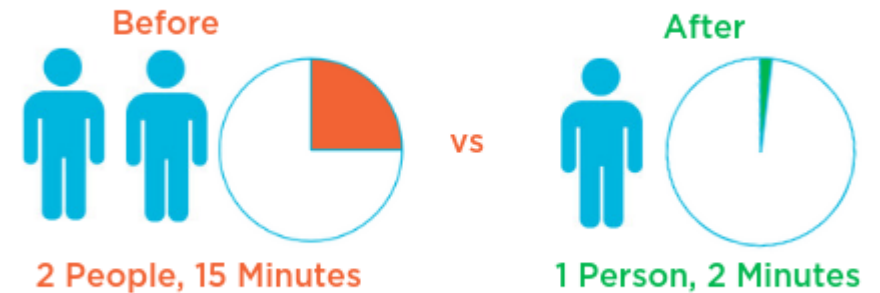


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# Outcomes and Benefits

- ▶ Electronic batch recall now possible
- ▶ Huge paper savings
- ▶ Staff engagement
- ▶ Patient safety benefits
- ▶ Reports/Audits at the touch of a button
- ▶ The estimated time savings are 0.5FTE for Dispatch/Stores & time saving for Daily freezer stock count
- ▶ Additional unexpected benefits (HACCP forms and process improvements)
- ▶ Widespread interest both internally and from other hospitals

## Operational Efficiencies: Daily Freezer Stock Count



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# The Barcode Challenge!!

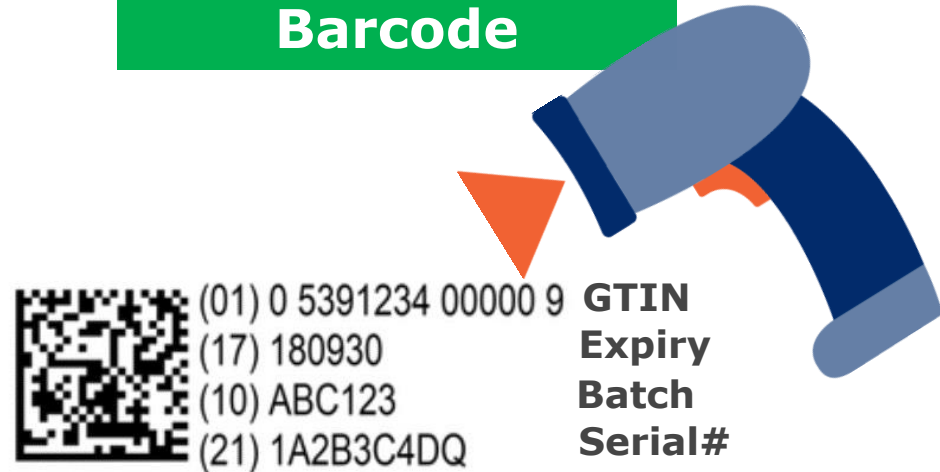


**Manual**



**VS**

**Barcode**



**Guess the time difference to scan the details of 10 products vs manual recording**

# Resources



## Website



[www.gs1ie.org/Healthcare](http://www.gs1ie.org/Healthcare)

- **Case Studies**
- **News and information on upcoming training and events**
- **Webinars**
- **Subscribe for quarterly news updates and relevant announcements**

## Newsletter



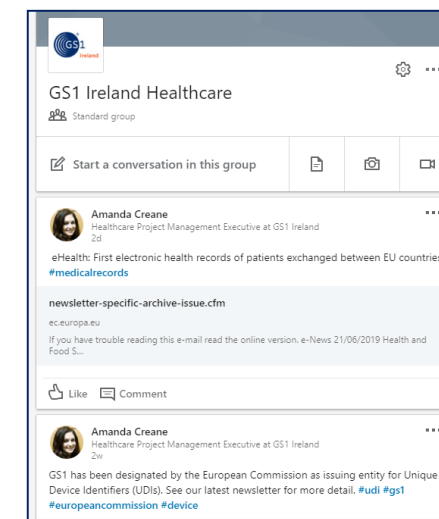
## Twitter



[@GS1Ireland\\_hc](https://twitter.com/GS1Ireland_hc)

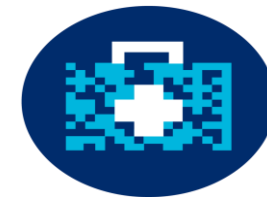
- **Search @GS1Ireland\_hc**
- **#GS1 #patientsafety**

## LinkedIn Group



[GS1 Ireland Healthcare](#)

- **Relevant updates**
- **Community**



# Resources

Free online webinars to hear and learn from other healthcare providers around the world!

[https://www.gs1.org/healthcare/hpac\\_webinars](https://www.gs1.org/healthcare/hpac_webinars)

Healthcare Provider Advisory Council Webinars:

- CHI Temple Street  
✓ 21<sup>st</sup> March 2019
- St James's Hospital  
✓ 17<sup>th</sup> April 2018
- Royal Derby Teaching Hospitals  
✓ 10<sup>th</sup> March 2016
- Salisbury Hospitals  
✓ 10<sup>th</sup> May 2017

## HPAC Webinars

The Healthcare Provider Advisory Council organises monthly webinars to discuss Provider Case Study Presentations. These webinars are open to any stakeholder interested in learning about GS1 standards implementation in the care giving environment.

**When:** Each month.

**Who:** Healthcare stakeholders interested in learning about GS1 Standards implementation in the care giving environment.

**Why:** Learn about successful GS1 standards implementations via case study presentations.

Next webinar: Thursday 29 August 2019



**Speaker:** Trine Spiegelhauer, Registered Nurse and Nursing, Director for the Clinic for Children and Adolescents with Surgical Diseases, Rigshospitalet Nursing School, Copenhagen, Denmark



### Bedside scanning requires cultural change

During this webinar, on the topic of 'bedside scanning requires cultural change', Trine will explain that:

1. Implementing barcode scanning is not something you do overnight;
2. the importance of leadership;
3. the necessity to have software and hardware up to date.



### Attendees

The webinar audience is all stakeholders who wish to learn the challenges and benefits of implementing bedside scanning.



### Register

<https://attendee.gotowebinar.com/register/8291950847492759820>

2019 2018 2017 2016 2015 2014

22 May 2019: Experience of clinical UDI applications with smart medical management system relying on GS1 standards, Taiwan

25 April 2019: The successful implementation of the full medication traceability in a Brazilian hospital, São Paulo, Brazil

# Key Takeaways

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- The FMD **barcode** presents an opportunity !
- **Stock management**, expiry and batch tracking now very easy with one BEEP !
- **Less paper** and manual re-keying necessary
- **Recall** is more effective, automated reporting
- Medication and **PATIENT SAFETY** benefits!!

***Please visit  
our stand and  
take the  
Barcode  
Challenge!***



# Contact Details



## Siobhain Duggan

Director – Healthcare & Innovation

T: +353 1 208 0660

M: +353 86 045 9816

E: [siobhain.duggan@gs1.ie.org](mailto:siobhain.duggan@gs1.ie.org)

[www.GS1ie.org](http://www.GS1ie.org)

## Amanda Creane

Healthcare Project Management  
Executive

T: +353 1 208 0660

E: [amanda.creane@gs1.ie.org](mailto:amanda.creane@gs1.ie.org)

[www.GS1ie.org](http://www.GS1ie.org)



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