

Patient Identification Workshop

Healthcare Conference Sydney March 2012



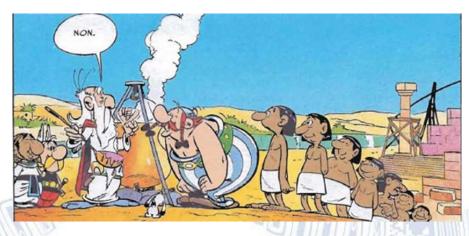


Who am I?

- Master in Laws, University of Geneva
- Married, 2 children
- Board Swiss Medical Informatics Association
- Chair IHE Suisse
- With GS1 since 1991

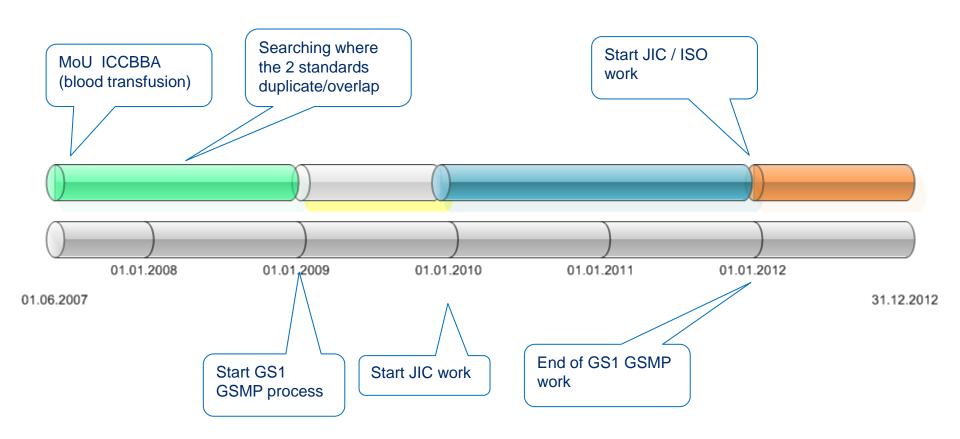








Our timelines





Major requirements for patient id & HCP id



Patient = Subject of Care (SoC)



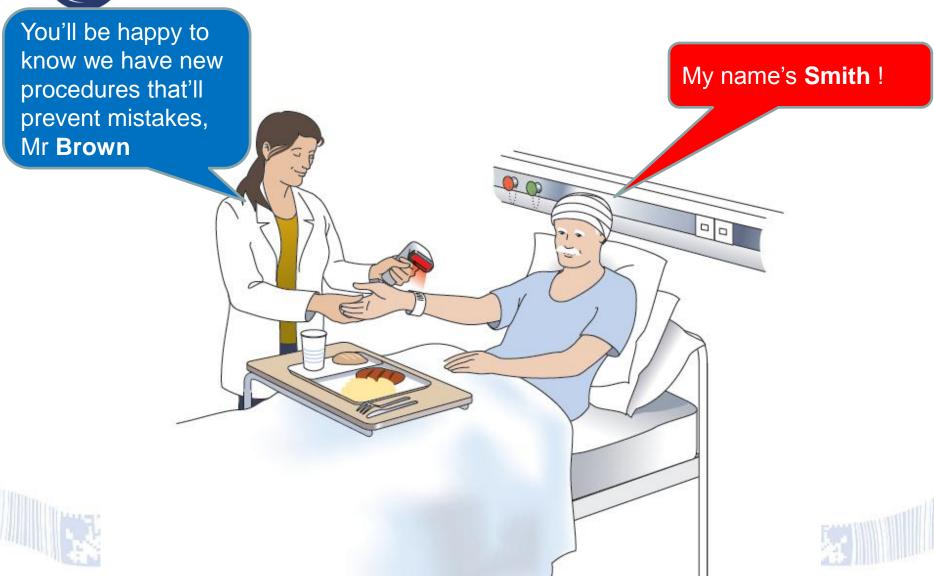


A Subject of Care is....

- Receiving care in a hospital or other institution
- Suffering of chronic disease, cared at home
- Healthy, but being administered a vaccine
- Healthy and pregnant
- Healthy and involved in a prevention program



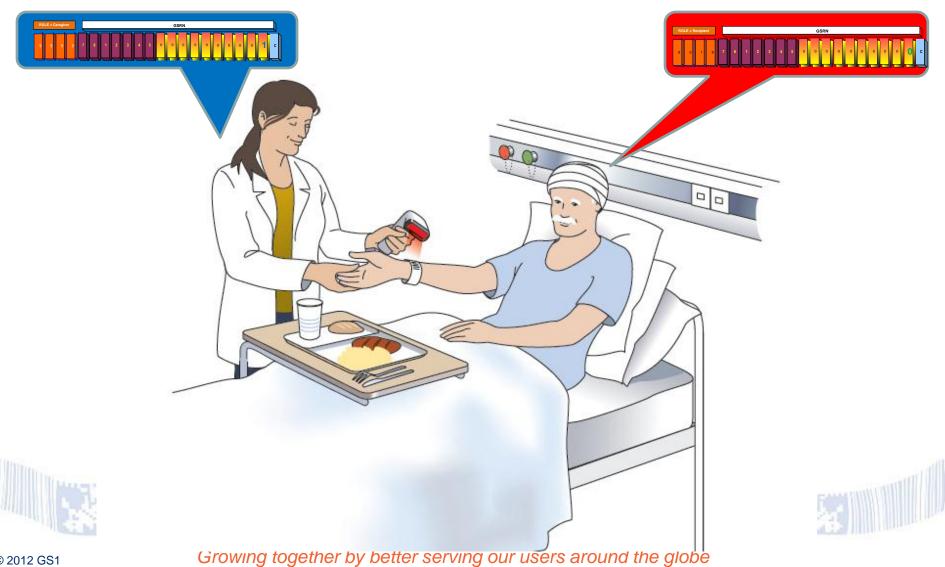
How to identify...



Growing together by better serving our users around the globe

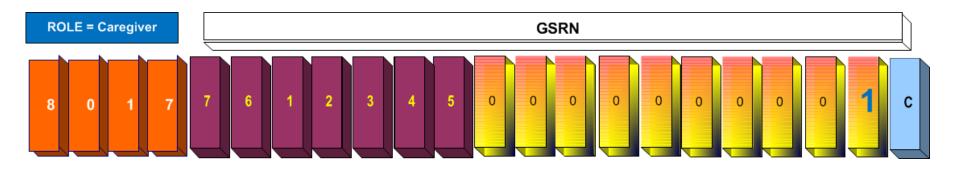


How to identify...





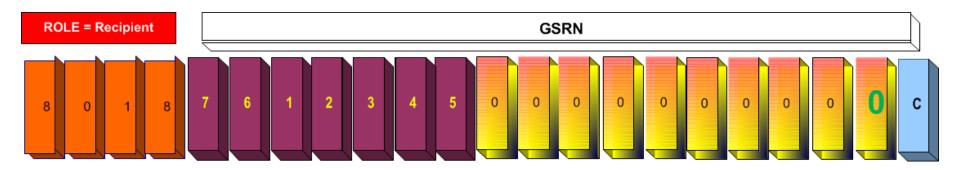
Caregiver Identification



- ✓ New AI defining the ROLE (8017)
- ✓ Definition more precise
- ✓ Ability to embedd existing numbers



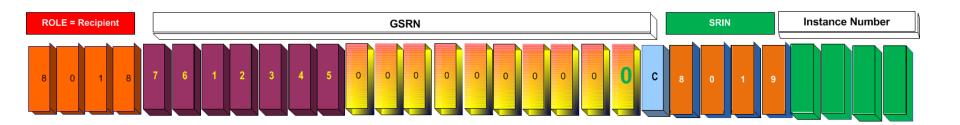
Subject of Care Identification



- ✓ Existing AI 8018
- ✓ Definition more precise
- ✓ Backward compatibility
- ✓ Ability to embedd existing numbers such as NHS number



Subject of Care Identification with SRIN



- ✓ Existing AI 8018
- ✓ Optional attribute to capture «instances» in the care processes
- ✓ SRIN= Service Relation Instance Number (AI 8019)



Workarounds and GSRN + SRIN

- Individual Provider does not scan SoC identification band
- •
- Individual Provider scans proxy barcode



 Individual Provider prints additional identification bands to act as proxy barcodes



 Individual Provider does not scan medication

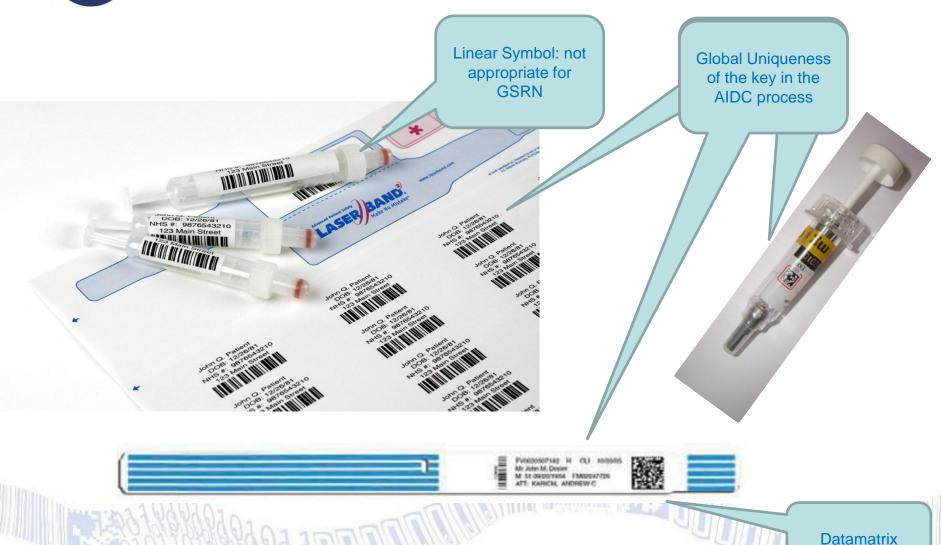








Best solution for AIDC



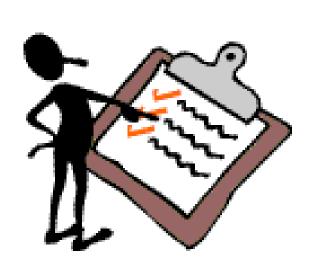


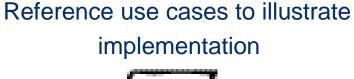
The next step

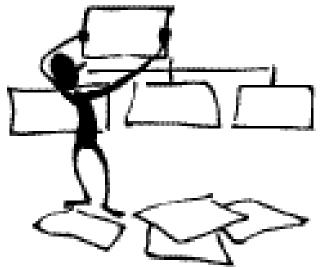


Development of ISO Technical Specification

Explain the wider user community











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NHS Foundation Trust



Bar coding baby wristbands and blood spot cards to improve patient safety

Producing DH-compliant GS1 Bar Code labels from any NHS patient system



PROJECT OUTLINE

- March 2010 successfully implemented GS1 linear & 2D Bar Codes on baby wristbands and blood spot screening labels to improve patient safety
- Today, Kettering's maternity ward uses an integrated and costeffective system that complies with Department of Health (DH) and National Patient Safety Authority (NPSA) recommendations









KEY OBJECTIVES

- To improve patient safety and hospital efficiency
- To comply with UK Newborn Screening Programme's mandate as well as NPSA & DH recommendations
 - Positive Patient ID holds the key (NPSA SPN 24)
 - One single electronic patient record using the verified NHS Number
 - Use of GS1 standards for patient wristbands (DH Coding for Success policy & NHS ISB Advanced Notice)
- To implement a flexible and standardised bar coding system that can be used throughout the trust for future projects
- To reduce transcription errors using Automatic Identification and Data Capture (AIDC) technology.



OUR APPROACH

- Guthrie Heelprick Labels produced out of National Number for Babies (NN4B) needed to have GS1 Bar Codes
- Patient wristbands needed to be GS1 Bar Coded
- Decided to combine wristbands and heelprick labels into one process using existing printers
- Used the National Health Service (NHS) Re: Source Hub to identify wristband and solution provider - 'Laserband' and FDI integration software.





- Two ID bands (ankle/wrist)
- GS1 DataMatrix with a Global Service Relation Number (GSRN)

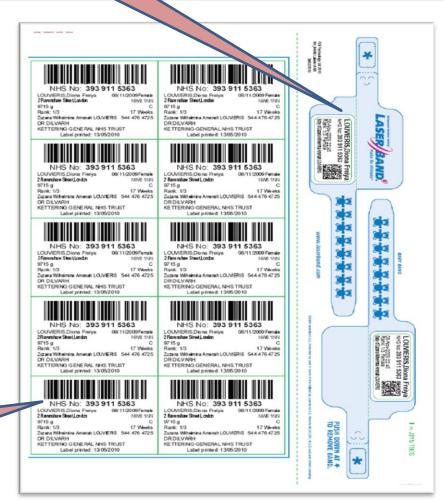


WITH NN4B

- Combining projects and technology
- Results

PRO

- Solution to a number of different issues
- Uses GS1 standards
- Delivers
 - Labels for patient management
 - Patient identification
- Labels for patient management
- Contain GSRN and GS1 Bar Code (GS1-128)





New Blood Spot Screening Card



Front of card

'Each one is Unique'

ALL fields on the card must be complete.

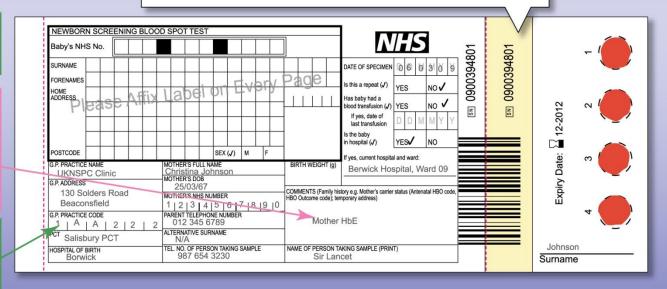
From 1st April 2010 if the baby's NHS number is not on the card the laboratories will request a repeat sample.

A bar-coded NHS number label should be applied to all sheets of the card.

Ethnicity, Gestation and Sex are all included in the label

Please include family history information in the comments field e.g. mother's carrier status (Antenatal HBO code, HBO Outcome code)

GP practice code and PCT are vital information to link results to babies





IMPLEMENTATION PROCESS

- New wristbands were tested on babies and mothers for comfort, durability, allergy
- Middleware/Software requirements gathered from different NHS agencies to ensure all the NHS systems were taken into account
- Once system was implemented, nurses were trained and a checklist for staff was produced
- IT support and service staff were fully trained



BENEFITS FOR BABIES



- Full, eye readable demographics
- Time savings for ward based and community midwives
- Time savings for the National Newborn Screening Laboratories
 - Newborn Testing right first time
 - More professional keepsakes loved by Mums



PEOPLE ARE WHAT MAKES I.T. WORK

Thank you to:

Alison Campbell — KGH Foetal Health Co-Ordinator and

William Wiseman - FDI Technical Director

Without whom, none of this would have got off the drawing board.

Yvonne Pywell - KGH Clinical Audit Facilitator and

Susan Plaistere - KGH Patient Systems

For working to make the Trust-wide rollout a success.

And to:

KGH Labour Ward

Laserband

GS1 UK

NHS Re:Source hub





DOMINIQUE AT WORK





Sherwood Forest NHS Foundation Trust improves patient safety by implementing a positive patient identification system across all wards meeting current NHS

Sherwood Forest Hospitals NHO Foundation Trust worked with G91 UK accredited Solution Partner, Herbert Healthcare, to roll out a positive patient identification solution across 100% of the Trust's wards to improve patient safety and provide a foundation nears warps as improve passent savely and province a sourceaster. for there hospital efficiency. The polyton was implemented with for source nospone enciency. The sources was impremented went yet, little disruption to the daily operations of the Trust and at no

German Venus Gherwood Forest Hospitals is the main NHO trust providing onespood Pureak Purposass in the man famou was snownamy heathcare services for people in and around Manaffeld, Ashfield. Accounts services an proper in any account interconcer. Assure Mean, Cheracood and parts of Derbyshire and Lincolnshire. heman, enterwood and plates of Debugations and State Section 1. The Thirst looks after 76,000 inpotents as well as 30,000 day the ituations after injust expanents as well as author way case patents. Sherwood Forest Hospitals has recently opened case posente, onemoco poresi propintari nas recentry openetri a fagishi E320m redevelopment scheme at King's Mill Hospital. a hagping E320m redevelopment scheme at King's Mill Hospin which has state-of-se art facilities. The Trust aready had a union has state-order art facilities. The triust areasy has a limited bar coded patient identification system in place before the Immee par codes passent menuncation system in passes before the impelmentation, but there were a number of limitations that the

Meeting NHS guidelines and GS1 standards Meeting NTO QUICEITIES and USO I Statitudi USO Chemood aimed to comply with the National Patient Cafety Gherwood arred to comply with the reasonal Placetti Gallery
Agency's (NPDA) Baffer Practice Nobice 24, the Department of Agency's (NPDA) Bater Practice Notice 24, the Department of Health's 'Coding for Duccess' policy recommending the Use of

GG1 standards and the Information Standards Board's Advanced Got standards and the information obtainance orders a resonance Notification calling for the use of GO1 bar coded wristbands by July nonceson carrie or me use or of a participation of the trust.

2011. Its compliance with these requirements meant that the trust

However, with the existing system, the Trust couldn't produce patent wistbands that met all of the criteria. For instance, the positive wromanness and mice as on the sensorial transmission of pudelines stipulate that a 2D bar code should be printed gauseines sepurate may a cur par cope arround be pressed on each wristband, which wasn't possible with the existing solution. On every writing water a purpose with the carboning waters and the wards and Oue to the imitations of the technology, some of the wards and departments, couldn't make use of bar coded wristbands at all.

Issues on the paediatric and maternity units The paediatric unit couldn't use the existing bar coded wristwards the pacouary unit count use the examination control arrows arrows to because it want possible to print all the required information occause a waste pussione to prais on one resultant another modelling a 20 bar code) onto the smaller wristbands used in the (including a 20 bar code) onto the smaller wristoance used in the unit materials and children wards. It meant that wristbands in the unit were handwriten, which created a number of issues in the ward. It were handwrizen, which created a number or issues in one ward. It was difficult to read many of the winstbands because they were so was directly to read many or the winstoands occurse they were so small and the staff wrote large amounts of information on them. On the maternals unit, there is often a need to add more than the core arms and we stan wrote large amounts or imministration on them. Un the maternity unit, there is often a need to add more than the core



Airedale NHS Trust implements GS1 bar codes on patient wristbands to deliver the right treatment to the right patient

Airedale NHS Trust has followed national guidelines for patient wristbands from the National Patient Safety Agency's Safer Practice Notice (SPN) by implementing a system that not only identifies patients at their bedside but will in the future ensure accurate labeling of blood samples and also medication

Aredale NHS Trust provides acute, elective and specialist care to a population of over 200,000 people from a widespread area covering 500 square miles within Yorkshire and Lancachine. covering two squares minus within tronsmer area care.comme.
The trust treats 25,000 inputionts, 22,000 day cases and 104,000 nee uses own 22,000 repeatment to at 5 over 47,000 out patients over 47,000 one provided every year, no were compared to the management of the patients and 2,300 babbles are born in the hospital each year. params and experimental and committee mapping seem year.
For the second time in three years, it has been named Small That of the Year' in the Dr Foster Hoopital Guide which treat or the year in the UTF conter Hospital Lunge which identifies and analyses performance across the English NHS

Standardising wristbands to improve patient safety Behavior February 2006 and January 2007, the NPSA received Someon retrouty one are accuracy one; one are an incommon 2,332 reports of patients being mematched to their care. It is necessarily to the care and the care of the care are related as the care of the care. 24,362 reports of patients being membarched to their care, it is estimated that more than 2,900 - or 12% - of those are related

NPSA's SPM No.24 provides guidance for a standardised portione

identifiers: last name, first name, date of birth and NHS number

The guidance states that wristbands should allow the The gurance states that with the state of th incorporation or new technologies that may be used to assess pattent identification e.g. RFID tags or bar code technologies. what still fulfilling NPSA's requirements. In addition, by 18 July where shift humming nerses a requirements, in account, by no suny 2009, all NHS organisations that use patient wristbands should 2009, at Nets organisations trial use patient wiresturness arround generate and print their writibands from hospital demographic Systems, such as a Patient Administration System (PAS). Printing should wherever possible be at the patient's bedside rmung arouse wherever possible on at the patient a beautiful or next to the patient (i.e. not done in advance of the patients

The Department of Health also revises assessed as a second

