

# Tracking and Tracing The NHSGGC System

Debbie Barnett  
Donor Milk Bank Coordinator  
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# Greetings from Glasgow, Scotland

(No declarations)

Scotland's population is 5.1 million with 14 territorial health boards and 16 neonatal units

58,590 births registered in Scotland 2011

Glasgow City is 68 square miles or 109 square kilometres

Population of around 600,000 and is Scotland's largest city and has more green space per square mile than any other UK city "dear green place"

Unemployment rate of just under 12%

84% of jobs are within the service sector

Almost a third of Glasgow's working age population are educated to degree level and above

Glasgow birth rate 9.6 per 1000

Preterm births just over 8% of live births (2004) with just over 11% of births admitted for neonatal care



# History of the “Glasgow” Milk Bank



Greater Glasgow  
and Clyde  
Donor Milk Bank  
Give for Life



1978



2012

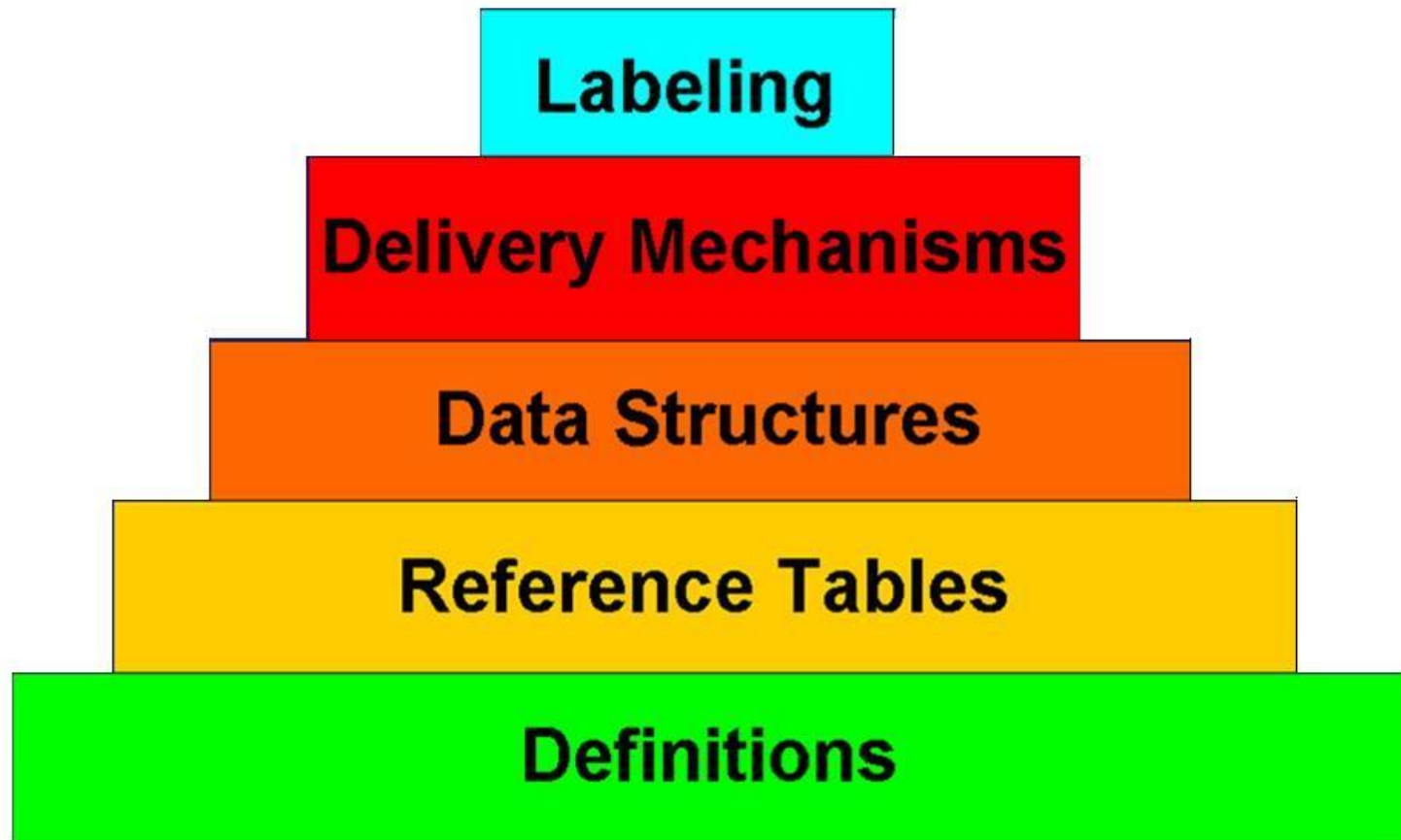


# Tracking and Tracing – Starting Point

- Grant available from Yorkhill Children's Foundation to invest
- Appointment of Donor Milk Bank Coordinator 2009
- Close links with Scottish National Blood Transfusion Service  
(Tissue Trace already in use by Tissue Service)
- Governance of Milk Banks
  - Historically ad hoc evolution of DMB in the UK; driving force was local enthusiasm as opposed to coordinated expansion
  - Current model of provision is not cost effective and opportunities exist to streamline service provision and improve costings



# What is an Information Environment?

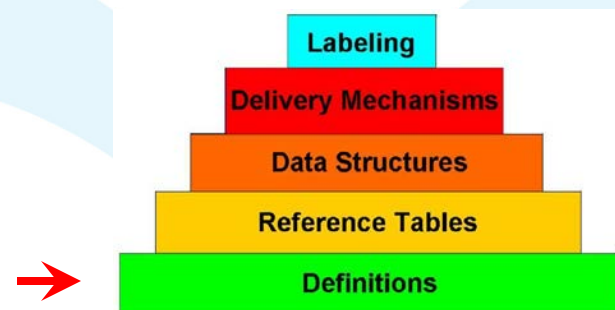


# What is an Information Environment?

## The Basic Elements

### *Standard Definitions*

- A common dictionary of terms for products and processes
- Built and managed by international consensus of experts in the field
- Ensures a common understanding across the community
- Aims to avoid duplication and ambiguity



**Class**

**Human Milk**

**Attribute Groups**

**Preservation technique and storage conditions**

*Describes the preservation technique and/or the conditions under which the product will be stored*

**Processing Status**

*Indicates if a product is being held for further processing*

**Pathogen reduction**

*Describes the method of sterilization or decontamination of the product*

**Donor-intended recipient relationship**

*Describes the relationship between the donor and the intended recipient*

**Additives for nutritional products**

*Describes supplements added to nutritional products*

**Pooled**

*Describes a process where product from multiple donations is combined*



## The Barcodes Choice of Standard

- Choice of standard GS1 or ISBT 128 (ICCBBA)
- Both not for profit organisations
- Both have healthcare solutions
- One allows tracking from Donor to patient
- Both work in collaboration not to duplicate effort within healthcare





## ICCBBA Objectives

To provide a standard information environment that:

- supports the open movement of blood, tissues, cellular therapy, milk products around the world, or locally within a country in such a way that critical information is rapidly, accurately and unambiguously communicated
- satisfies regulatory requirements for traceability and retention of information



## What is ISBT 128

- *ISBT 128* is an information standard for transfusion and transplantation
- Developed for transfusion by ISBT in 1994
- Extended to support Tissue Banking and Cellular Therapy in 2000
- Defines:
  - Definitions and Reference Tables
  - Data Structures
  - Delivery Mechanism and Labelling Guidance

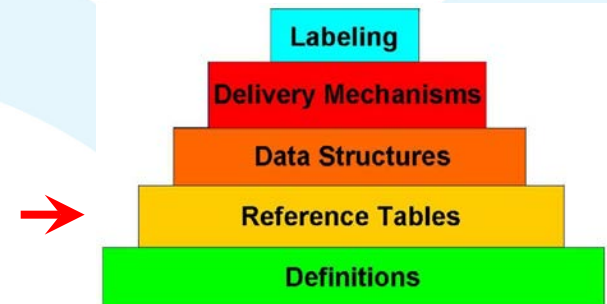


# What is an Information Environment?

## The Basic Elements

### *Reference Table*

- International lookup tables
- Combinations of defined terms that uniquely describe products or attributes
- Provide means of mapping definitions to codes suitable for electronic transmission
- Ensure consistent interpretation
- Flexible but managed



# What is an Information Environment?

## The Basic Elements

### *Data Structures*

- Technical definitions for data transfer
- Provide the ‘context’ for information
- Allow independent systems to communicate
- Developed and maintained to meet community needs

