Cross Border Collaboration Projects in Action

Róisín Doherty, ICT Programme Manager, HSE Ireland
Individual Health Identifier (IHI) - eHealth Ireland & Northern Ireland Connected Health Ecosystems –
2nd Joint Gathering

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Delivering eHealth
Office of the Chief Information Officer
IHI – Individual Health Identifier
Benefits of the IHI Project

Benefits

- Efficiency
  - Eliminates repetitive action of collecting the same data from multiple sources
  - Eliminates repeating diagnostic tests
  - Increased ability to link records to give a complete picture
  - National Policy Formulation and Implementation

- Patient Safety
  - Reduces the chance of providing treatment to the wrong patient
  - Public Health Research
  - Individualised and user-centric Service Delivery

- Enabling eHealth Applications
  - Help in the implementation of electronic records
  - Helps data sharing across organisations
  - Local, Regional and National Service Delivery Management

- Privacy
  - Reduces the need for identifying information to be included with electronic patient service user information
The key IHI Project deliverables

A single national register of individual service users of Health and Social Care Services

Design & establish a business operation function to maintain the IHI Register & to provide service user identity to Health and Social Care Systems

Design & implement a technical infrastructure to support the IHI business operation function

Design and implementation of technical interfaces enabling data exchange between the IHI system and selected consumer systems
Defining the IHI Work Package 2 (WP2)

**WP-2 Consumer Site Systems Preparation**

Consumer systems development to allow IHI be recorded and displayed.

WP-2 will focus on the preparation of consumer health delivery site systems. This will involve insuring that the consumer systems can store the additional IHI related data once it becomes available.
Defining the IHI Work Package 3 (WP3)

Work Package 3

IHI-Consumer System Interfaces

WP-3 Connection interfaces between Consumer Sites and the Central IHI.

Once the central IHI system has been established and consumer sites systems are ready to use the IHI dataset interfaces will be required to allow consumer sites to communicate with the central IHI system.

This will be the focus of WP3 and will require some overlapping with WP1 and WP2
IHI Consumer System Roll-out

**Mechanism of Delivery**

- IHI Register
- National Messaging Broker (HealthLink)
- Health Service Provider System
Three levels of functional delivery:

- **Level 1 (IHI No. available)**
  1. IHI No. Available in CS i.e. Seeded and potentially re-seeded periodically

- **Level 2 (IHI: real-time)**
  2.a Interface in place to find/verify an IHI No – Trace Query and response
  2.b Interface in place to return an IHI record - or part thereof

- **Level 3 (IHI: consumer updates & requests for new IHI No’s)**
  3.a Interface in place for HSP to notify IHI of a change of name or address
  3.b Interface in place to request a new IHI number (new babies and non-residents)
IHI Roll-out Status

**Completed:**
- Electronic Referrals GPs to Hospitals (700 per day, 100,000 to date)
- All GP Practice Management Systems configured to store and display the IHI
- 24 volunteer GPs seeded with IHIs for GMS patients (30,000)
- PCRS Schemes seeded with IHIs (4 million+)

**Underway:**
- Patient Portal
- National Systems: Provision of IHIs to MedLIS (Labs), MN-CMS (Maternity) NIMIS (Radiology)
- Patient Administration Systems (PASs): Mater, iPMS v5 & 3, Beacon Hospital
- Epilepsy EHR, LauraLynn Hospice, 2 x GP volunteer practices
- Hepatitis C, Immunisations, St. John of Gods, 2 x volunteer GP Practices (full integration)

**Next:**
- ePrescribing (GPs to Pharmacists)
- MOCIS (Oncology), Cancer Screening, Haemophilia, Structured Patient Education System

**Currently being evaluated as potential candidate systems:**
- Electronic Referrals (specialist)
- NTPF (waiting lists)
- NCH (National Children’s Hospital Group EHR & PAS)
- State Claims Agency
- IHIs for new born babies (MN-CMS)
- IHIs for non-residents - including N. Ireland
- Cross-Border referrals (radiology, radiotherapy, PCI, Paediatric Cardiac Surgery and Cardiology, GP OOHs)
Questions