

The UK Experience

Charlie McCay

charlie@RamseySystems.co.uk

Health Level Seven <http://www.hl7.org.uk>

UK

Introduction – Charlie McCay

- Chair HL7UK, and co-chair HL7 implementation and XML committees
- Ramsey Systems Ltd
 - Healthcare interoperability consultancy
- Current work
 - Retinal Screening Project
 - NHS CFH methodology
- Presenting my opinions
 - not those of NHS CFH / NPfIT

Topics

- Why do the English spend so much?
- Background to HL7 and NPfIT/CFH in the UK
- Retinal Screening – demonstrating the benefits of nationally endorsed standards
- The role of HL7UK

Why the English spend so much

- Wanless Report 2002
 - www.hm-treasury.gov.uk/consultations_and_legislation/wanless
 - Report looking at 20 year resourcing needs for UK healthcare
- How much should we spend...
- What to spend it on...

how much to spend

- Rising GDP results in increase proportion of GDP on health
- 5 years additional life expectancy == £3-5 billion PA
- workplace absence costs £11 billion PA
- National **Health** Service has new needs
- “A stitch in time saves nine”

What to spend it on

- Wanless
 - More National clinical guidelines
 - double spending on NHS ICT
 - ring-fenced ICT spending
 - Central mandated standards to ensure compatibility
- What is happening in England (NPfIT)
 - Central purchase of software and services
 - Central EHR services ensure compatibility

Background to HL7v3 in the UK

- GP2GP – record transfer in primary care...
- HCIF – Healthcare Interoperability Forum...
- Connecting for Health / NPfIT...
- NPfIT convergent projects...
- Scotland, Wales, Ireland, ...

GP2GP

- supplier initiated / NHS sponsored
- Started as CEN13606 (XML-EPR)
- Became very early V3 adopter
- use RIM / Datatypes / V3 Tools
- feedback into CDA and clinical statement

- Supplier initiative
- Building on GP2GP collaborative trust
- Defined sets of V3 messages
 - OOH messaging, Lab Order Requesting
- Eclipsed by NPfIT

NPfIT / NHS CFH

- NHS led
- National Program for England only
- 5 Local Service Providers (actually 4)
 - Supply software (iSoft, Cerner)
- Buying software and services
 - Microsoft, Oracle, PACS national deals
 - Interoperability a small part of the picture
- National services
 - Care Records Service, ETP, Choose and Book, GP2GP, Patient and Provider registries
 - National infrastructure

Other Interoperability projects

- HL7v3
 - OOH GP messaging (using GP2GP)
 - Patient Safety
 - Retinal Screening
 - Repeat Dispensing
 - Lab Messaging
- Others to think about
 - Private sector, Social Services, Scotland, Wales, Northern Ireland, blood bank

Still lots of V2 being done

- Within Hospitals using existing V2
- Cluster integration using LSP defined V2
- Why – existing interfaces are already working locally
- Why – (Shortage of V3 skills)
- Why – Limitations of existing systems

V2-V3 mappings overhead

- National information architecture expressed in V3
- Work ongoing on V2-V3 mappings
- Migration to V3 locally in places
 - Direct use of national structures
 - Improved tooling
 - Implementation experience

Case Study – Retinal Screening

- Project scope...
- Project Status...
- National Initiative Bubble Effect...
- UK Interoperability Framework...

Retinal Screening scope

- Department of Health Project
- Messaging from every GP (10,000) details of diabetic patients to 106 screening units
- Demographic and clinical data
- Out of scope for CFH
- Strategic convergence / tracking CFH

Project status

- Specifications complete
- Joint supplier/service initiative
 - Costs justified by simplified admin
- Prototyping and testing in Sept/Oct
- Pilots Live in Nov 2006, Roll-out 2007
- HL7 structures not the challenge
- So – what are the issues...

National Initiative Bubble effect

- Focused on delivery against Program scope
- Lack mechanisms to support convergent activity
- Limited distribution of infrastructure and implementation documents...
- Accreditation bottlenecks

We need a UK Interoperability Framework

- Information governance – patient consent
- Infrastructure
 - Endpoint identification and authentication
 - Healthcare professionals registry
 - Transport protocols
- HL7 standards, profiles, and implementation guides

- Version 3 national implementation Guide
- Version 2 national implementation Guide
- Gather and share implementation experience and plans
- Contribute to a UK Interoperability Framework

Many Thanks

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- HL7 and NPfIT/CFH in the UK
- Retinal Screening – demonstrating the benefits of nationally endorsed standards
- UK Interoperability Framework
- The role of HL7UK