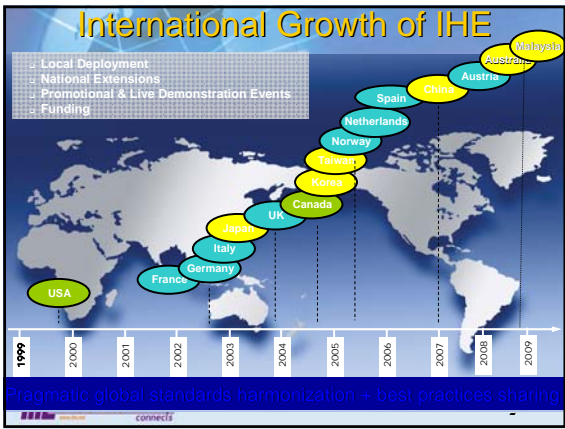


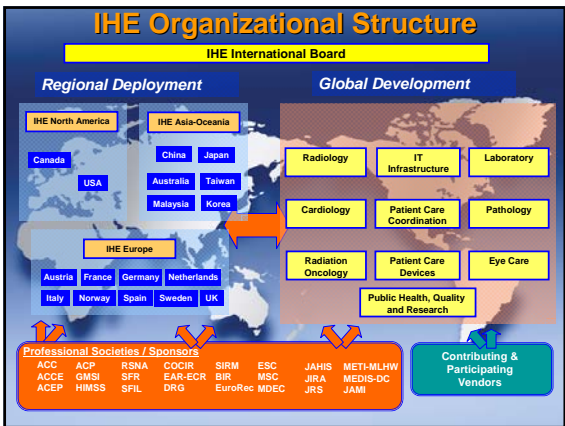
IHE in regional and national Health Information Exchanges around the WORLD

HIMSS Interoperability Showcase February 2008
Charles Parisot (IHE)



1





National and Regional projects

It is difficult to provide a simple summary view of these projects:

- These slides reflect information publicly available and current based on author's knowledge.
- IHE offers 24 Integration & Content profiles applicable in health information exchange (HIEs) for communities, regions or nations. Each project discussed here uses a subsets of these profiles (IHE Modularity).
- These projects are multi-year and projects with complex decision making processes.

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Categories of Healthcare Communication Services

Most HIEs in the World chose to start with Document Sharing

HIEs and RHIOs <i>e.g. access to last 6 months historical labs and encounter summaries</i>		Hospitals <i>e.g. get a current list of allergies or med list from a source</i>
Source persisted and attested health records Document Sharing	Specific info snapshot provided on demand Dynamic Information Access	2 or more entities synchronize a task Workflow Management
Patient and Provider ID Mgt		
Security		


iHE *changing the way healthcare connects* 6

Sharing and Accessing Electronic Health Records

- IHE offers interoperability for local, regional, specific, or national health information exchange
- Goal is to enable exchange between providers' clinical and administrative systems and ancillary IT systems (EHRs, Lab, Pharma, Payers, etc.) and personal health record systems.
- Objective is to empower the consumers in having "shared EHR information" between all of its potential healthcare providers (if authorized) and self.
- Objective is to empower the providers in choosing when and what information to share, and to trust the information they may use in the care of their patients.

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Austria (Lower Austria and National)

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 - Lower Austria Region (around Vienna) Deployed in 2007 - Operational. 1.5 Million patients on-line. 11 hospitals connected.
 - Use IHE profiles: XDS, PIX, XDS-SD, ATNA, XUA, BPPC.


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 - National project launched in 2007 (ELGA). Given the success to deploy the first region is about one year.
 - Roll-out includes:
 - Ministry backing of IHE conformance (IHE-Eu Connectathon)
 - Three Regions (out of 7) are operational today.
 - Step-wise introduction of structured and coded content with HL7 CDA based IHE Content Profiles.


14


USA

- HITSP (HHS sponsored) recognized 19 IHE Integration profiles for: Lab results distribution and sharing, Registration and Medication History for Consumers, Biosurveillance, Medication Mgt, etc.
- 2 NHIN-2 Pilots (CareSpark-CGI and NCHICA-IBM) leveraged IHE profiles (Med Summaries and Lab).
- Several HIEs projects are operational and using of HITSP/IHE Profiles:
 - Philadelphia Exchange (9 hospitals-Imaging)
 - VITL (Vermont State)
 - KeyHIE (PA)
 - Providence (Oregon)
 - Boston Medical Center and affiliated clinics



15

Canada


- Canada Health Infoway: national Commitment to XDS/XDS-I for imaging sharing
- 3 infrastructure tenders awarded in 2007 and 1 more to come early 2008 resulting in over 1/3 of Canadian patients covered:
 - Toronto East Network - Ontario
 - Montreal McGill - Quebec
 - Alberta
 - British Columbia
- Includes XDS, ATNA, PIX and XDS-I.
- Planned to become live 2009 in Quebec, Ontario, Alberta, British Columbia.


16

France (National DMP)




- **Confirmed requirement to use to IHE profiles:** XDS, ATNA, XDS-SD, PIX, PDQ, CT, XUA, BPPC, etc.
- **Encourage vendors to submit their products to the IHE-Europe Connectathon.**
- **Implementation plan under revision.**
- **Infrastructure to include:**
 - XUA from User Authentication Portal and BPPC for privacy
 - XDS Registry/XDS Repositories
 - ATNA for audit trail and node authentication.
 - Doc content to be: CDA rel 2 patient summary (close to XDS-MS), Hprim with migration to IHE XD*-Lab for Lab, Scanned Doc (PDF) and Imaging (XDS-I).



17

Netherlands

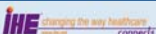
- **Dutch “e-Radiology” project**
 - NICTIZ adding “XDS” capability to national infrastructure
 - XDS-I first application: focus on Radiology
- **Friesland Cardiology Network**
 - 5 hospitals (4 Community and one Specialty Hospital)
 - Cardiac Patient Transfer
 - 6 month: RFP to implementation. XDS, XDS-I, XDS-SD, ATNA, PIX, CT
 - Operational for 6 months → ROI in 13 months !



18

Other Commitments

- **China**
 - MoH selected XDS and XD*-Lab (CDA) for lab info sharing. Two pilots planned for 2009.
 - XDS-I in Shanghai.
- **Israel, Jordan, Palestinian Authority**
 - Public Health Info Affinity Domain (XDS, ATNA, XD*Lab)
 - Middle east Consortium for infectious Disease Surveillance
 - Operational-2008
- **Japan**
 - Nagoya region network project operational late 2007. XDS, XDS-I
 - Kobe with imaging info sharing
- **South Africa**
 - National project launched in 2007. Tender awarded. Operational in 2008.
- **Spain: Catalonia**
 - Close to one million patient records on-line with XDS and CDA documents



19
