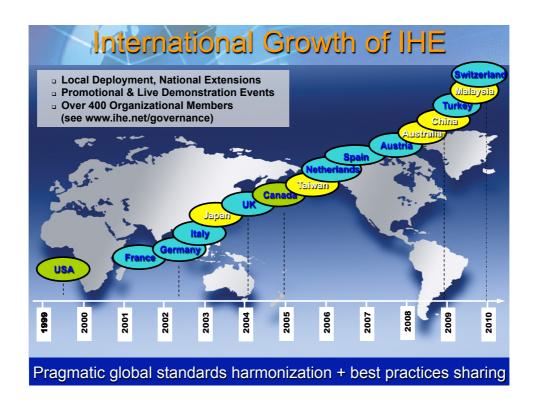


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# What is IHE, how much adopted?

- ISO TR28380 Global Standards Adoption IHE Process and Profiles
- Home Health: CONTINUA and IHE work together.
- Widespread adoption of IHE Profiles by National and Regional Projects around the world:
  - ▶ US Nationwide Health Information Network (NwHIN) leverages IHE profiles (XCA, XDR, XCPD, BPPC, ATNA)
  - ➤ 23 Country European epSOS Project: IHE-Europe hosting Industry Team, support project interoperability conformance testing (XCA, XCPD, ATNA, XUA, BPPC, CDA Content Modules from PCC).
  - In use in several national and regional projects: Austria, France, South Africa, Italy, Netherlands, USA, Japan, Switzerland, Canada
  - EU Commission eHealth Interop Mandate 403 and HITCH roadmap conformance testing leverage IHE process



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## IHE Connectathon

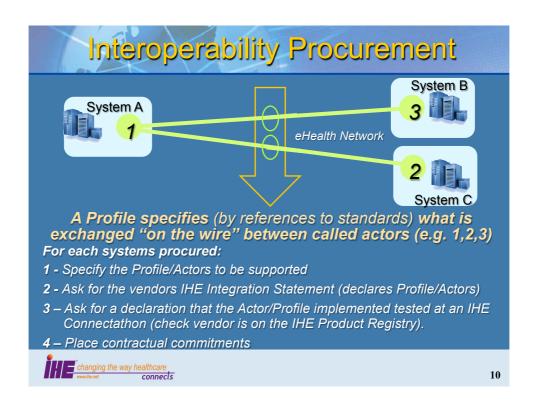
- Open invitation to vendor and other implementers community
- Advanced testing tools (GAZELLE)
- Testing organized and supervised by project management team
- Thousands of cross-vendor tests performed
- Results recorded and published. Over 400
   Health IT and Systems companies passed:

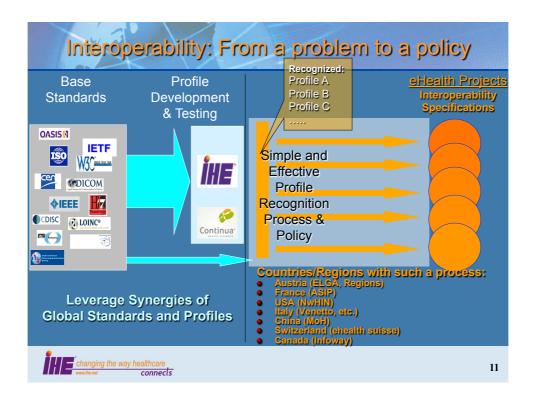
   <a href="http://connectathon-results.lhe-europe.net">http://connectathon-results.lhe-europe.net</a>

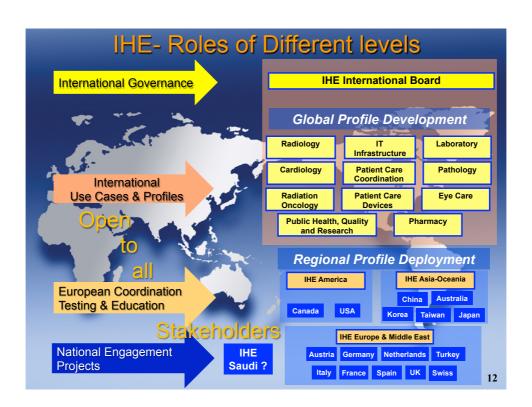


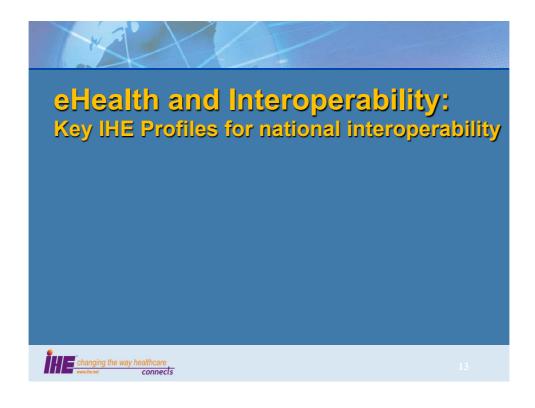
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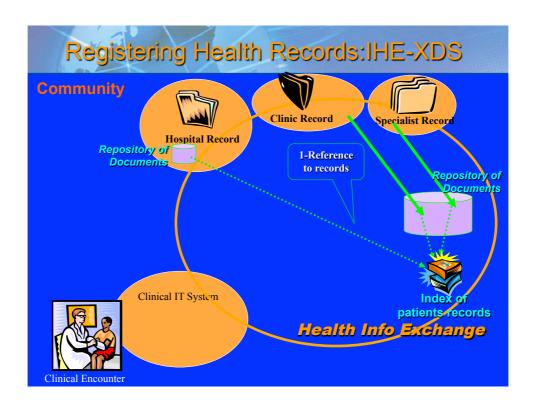


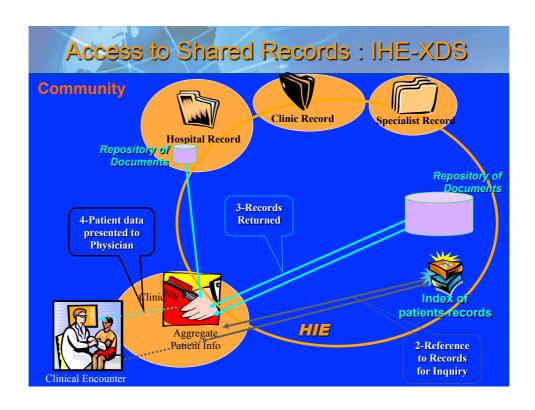


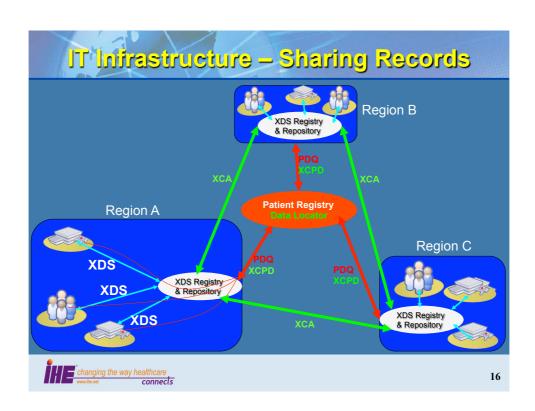












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### IT Infrastructure

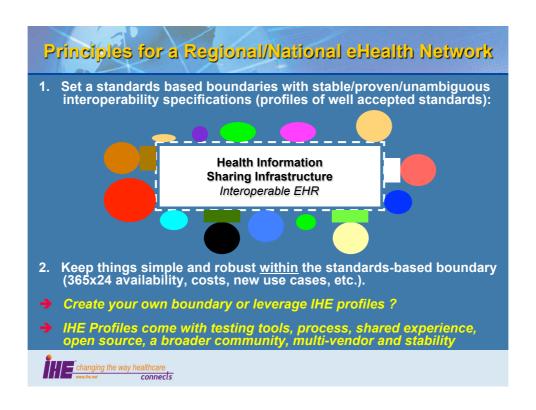
### **XDS and related Profiles extend deployment:**

- ➤ Off-the shelf sharing of records/documents. All type of clinical content (e.g. HL7 CDA/CCD).
- ➤ Robust service: submission sets, replace/amend, etc.
- Open source and support by well over 100 products (infrastructure & EPRs).
- Projects range from communities (a few hospitals/ clinics) to regions and nations. Now a few registries/ repositories with more than 1 million patients.
- Implementation feedback is positive: moving beyond interfacing to user experience.



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#### Implementing IHE today in Regional and National Health Networks: Most Popular Services Sharing of Sharing of Sharing of Sharing of Sharing of Patient Laboratory Imaging Info Cardiology Scanned **Summaries** Results Docs JHE Info Content **Profiles Sharing of Documents** Point-to-Point Push(XDR), Sharing(XDS), Federated(XCA), Media and e-mail(XDM) THE IT **Audit Trail Digital Privacy Patient Provider** Termi-Infra-Identification nology and **Signature** and structure **Directory** Mgt Secured Consent Services **Profiles** Connection changing the way healthcare connects



Countries and approaches			
Countries	Data Messaging	Document Sharing	
England	Abandoned	CDA	Operational since 2009. Designed in 2006, before XDS. Similar to XDS transactions with customized HL7V3 messages
Austria		XDS+CDA	Operational since 2009. 4 million patient with records. Uses documents (HL7CDA) for content and transport with XDS,
Turkey		CDA	Mainly data reporting to Ministry. Transport (HL7V3-customised by Turkey), documents (HL7CDA) for content.
Canada		XDS-I+DICOM	Early deployments in a few provinces. Transport and content HL7 V3. Use XDS for Imaging.
France		XDS+CDA	Early deployments nation-wide. HL7 CDA Documents for content and XDS for transport.
USA		XCA+CDA	$\label{eq:lambda} \mbox{Nationwide Health information Network. In use today between Kaiser}, \mbox{ VA}, \mbox{SSA, Virginia,}$
Switzerland		XDS+CDA	Documents (HL7CDA) used for content. Transport uses XDS as national standard, Deployed in city of Geneva (University Hospital leadership).
Cross- Border Europe		XCA+CDA	epSOS Project – Uses HL7 CDA document for content with XCA, Testing of 13 participating nations at IHE-Europe Connectahon April 2011: France, Germany, Switzerland, Spain, Italy, Austria, Slovenia, Turkey, Portugal, Denmark, Sweden, Czech Republic, Slovakia,
Regions:		XDS+CDA XDS-I+DICOM	Italy, Belgium, Netherlands, USA, China, South Africa

