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## Section D

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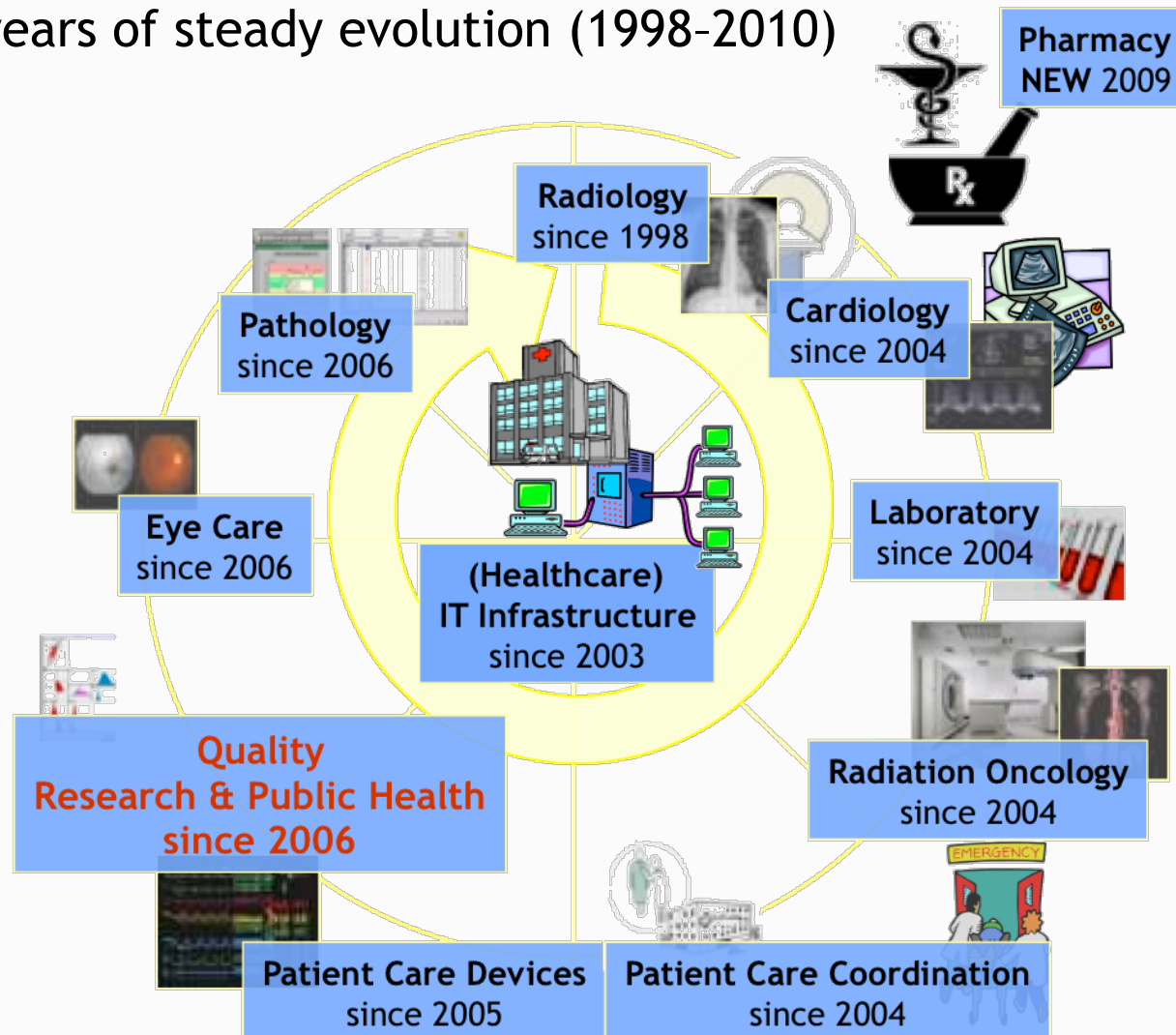
Examples, Participation, and Leveraging Standards  
Harmonization Products

# Implementation

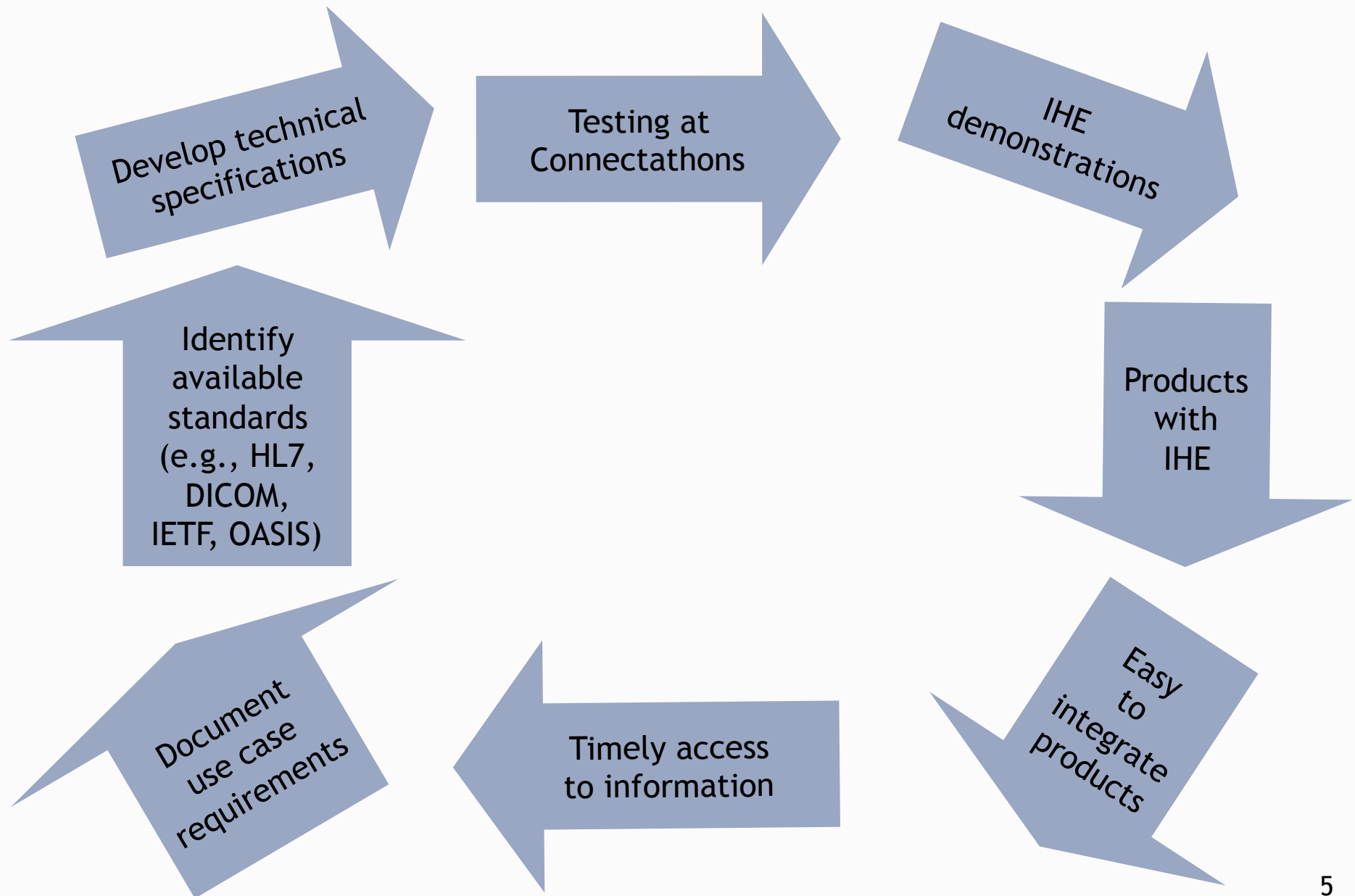
- Public health-related specifications
- Require standards-based solutions (RFPs)
  - Participation: if IT products are to work for public health, we need to specify how they should work
- Verify conformance
  - Integration statements
  - Connectathon results
  - Certification testing
- Certification ≠ interoperability
  - Know your standards requirements
  - Custom interfaces can be costly

# Ten IHE Development Domains

- Ten IHE development domains—helping public health more directly
- Eleven years of steady evolution (1998-2010)



# Proven Standards Adoption Process



# Why Get Involved?

- Why health professionals and your vendors should get involved
  - If as a health IT professional you are involved in evaluating and/or selecting IT products and consultants, you and/or your consultants and vendors can and should do the following:
    - ▶ Use IHE integration profiles to develop interoperability strategy
    - ▶ Use Connectathon results and integration statements to evaluate vendors
    - ▶ Demand IHE integration profile compliance in RFPs

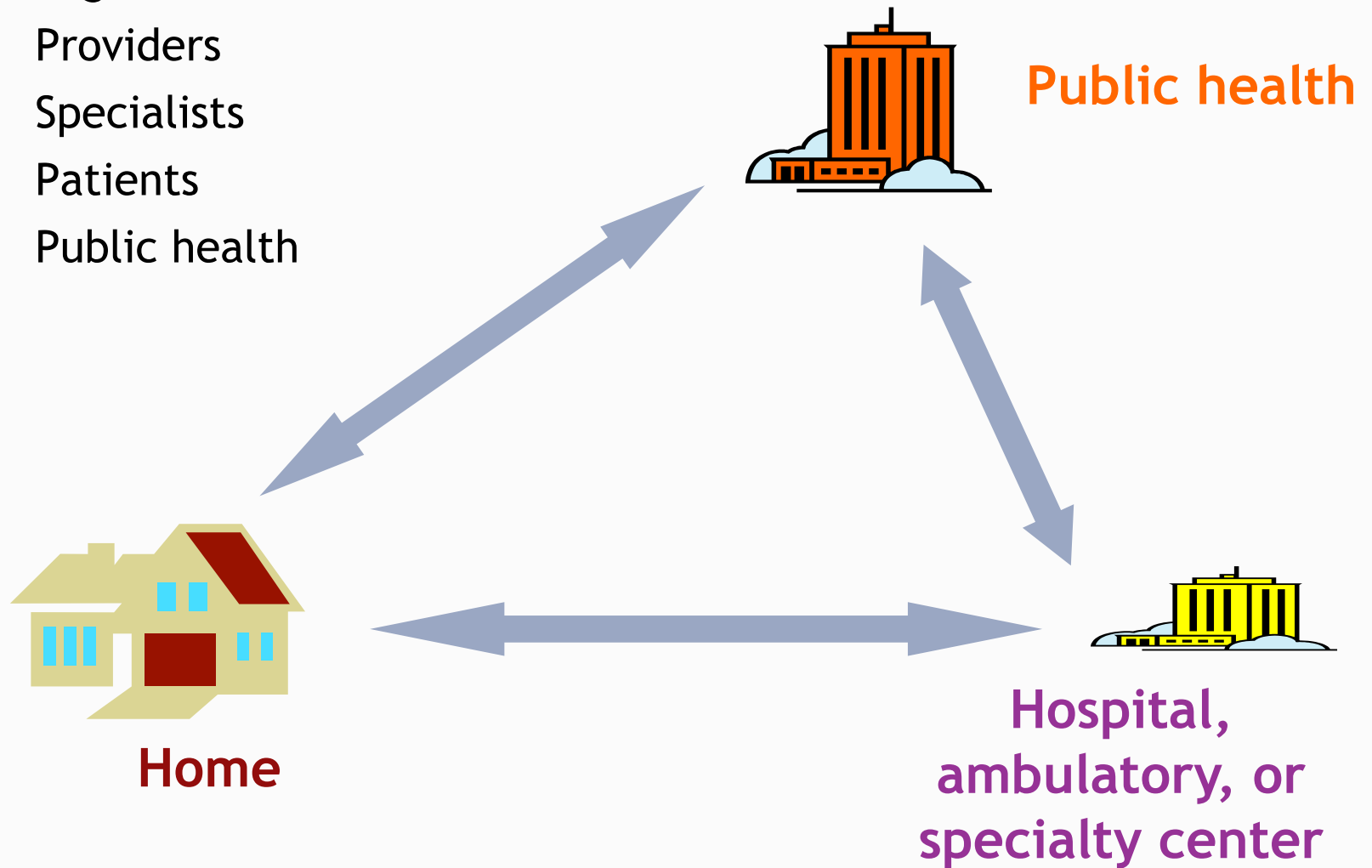
# IHE Vendor Integration Statements

IHE Integration Statement			
Vendor	Product Name	Version	Date
Integrated Medical Systems	Mega.CT	V3.2	17 Oct. 2002
This product implements all transactions required in the IHE TF to support the IHE Integration Profiles, Actors and Options listed below:			
Integration Profiles Implemented	Actors Implemented	Options Implemented	
Scheduled Workflow	Acquisition Modality	Patient-based Worklist Query, Assisted Acquisition Protocol Setting	
Portable Data for Imaging	Media Creator	No options defined	
Web address for vendor's IHE information: <a href="http://www.integratedmedicalsystems.com/ihe">www.integratedmedicalsystems.com/ihe</a>			
Links to Standards Conformance Statements for Implementation			
HL7	N/A		
DICOM	<a href="http://www.integratedmedicalsystems.com/dicom/MegaCT-DCS.pdf">www.integratedmedicalsystems.com/dicom/MegaCT-DCS.pdf</a>		
Links to general IHE information			
In North America: <a href="http://www.ihe.net">www.ihe.net</a>	In Europe: <a href="http://www.ihe-europe.org">www.ihe-europe.org</a>	In Japan: <a href="http://www.iira-net.or.jp/ihe-i">www.iira-net.or.jp/ihe-i</a>	

# IHE for Communities

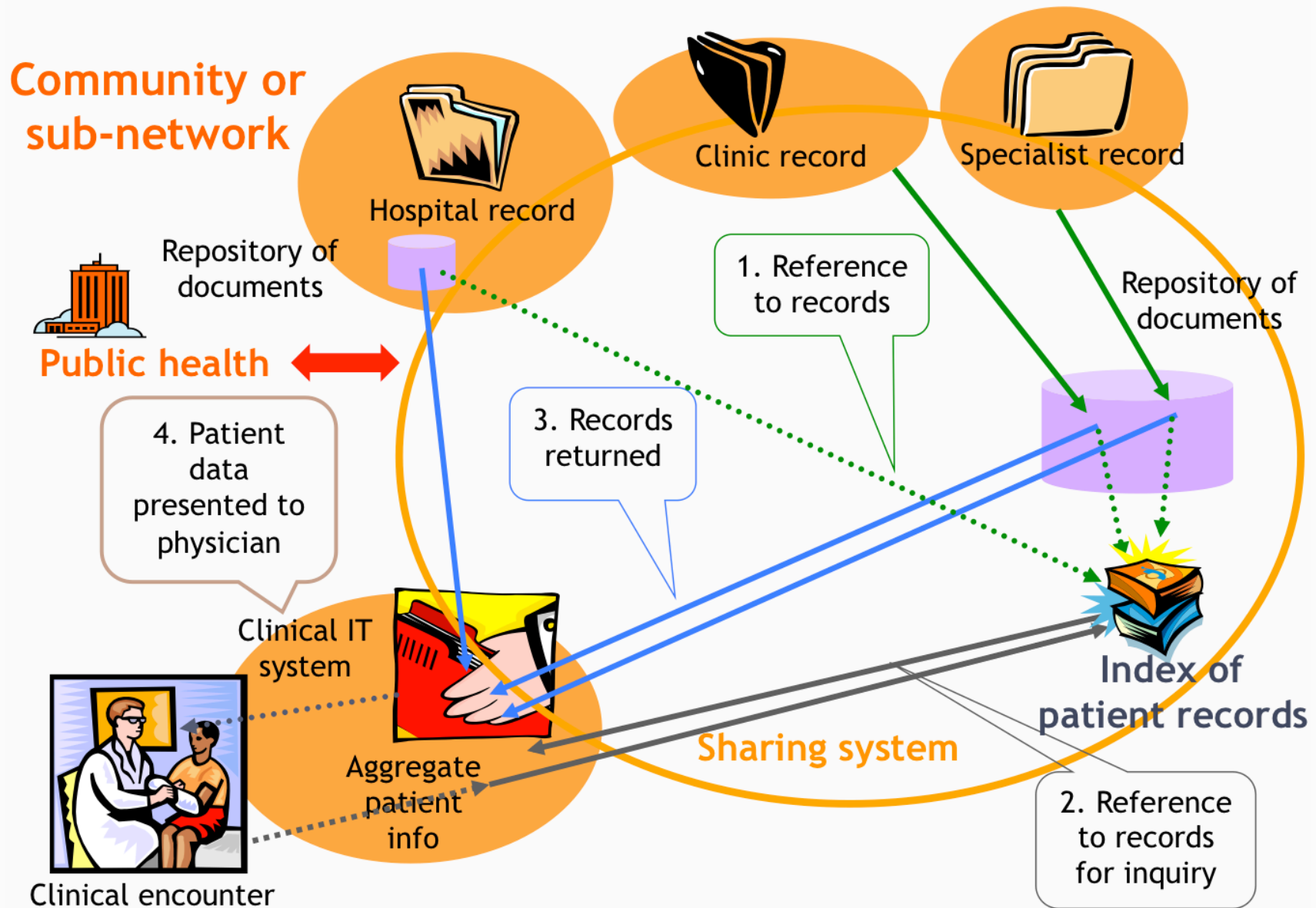
## ■ Sharing information between

- Providers
- Specialists
- Patients
- Public health





# Cross Enterprise Document Sharing



# IT Infrastructure Components Supporting Public Health

- Cross-Enterprise Document Sharing (XDS)
- Cross-Enterprise Document Reliable Interchange (XDR) (point to point)
- Cross-Enterprise Document Media Interchange (XDM) (media)
- Patient Identifier Cross Reference Manager (PIX)
- Patient Demographics Supplier (PDQ)
- Pediatric Demographics Option (PDO)
- Retrieve Form for Data Capture (RFD) (surface forms within the EHR)
- Audit Record Repository (ATNA)
- Time Server (CT)

# IT Infrastructure Components Supporting Public Health

- Personnel White Pages (PWP)
- Cross-Enterprise User Assertion (XUA)
- Cross Community Access (XCA)
- Basic Patient Privacy Consents (BPPC)
- Cross-Enterprise Sharing of Scanned Documents (XDS-SD)
- Document Digital Signature (DSG)
- Enhanced Sharing Value Sets (ESVS)
- Document Metadata Subscription (DSUB)
- Multi-Patient Queries (MPQ)
- On-Demand Documents

# PCC Profiles

Content

## Medical Summaries

Functional  
Status  
Assessments

Emergency  
Department  
Referral

Exchanging  
PHR  
Content

Emergency  
Department  
Encounter  
Summary

Antepartum  
Care  
Summary

Patient  
Plan of  
Care

Labor and  
Delivery  
Record

EMS  
Transfer of  
Care

Antepartum  
Record

Immunization  
Registry  
Content

Integration

## Care Management

Request for  
Clinical  
Guidance

Query for Existing Data

2005-06

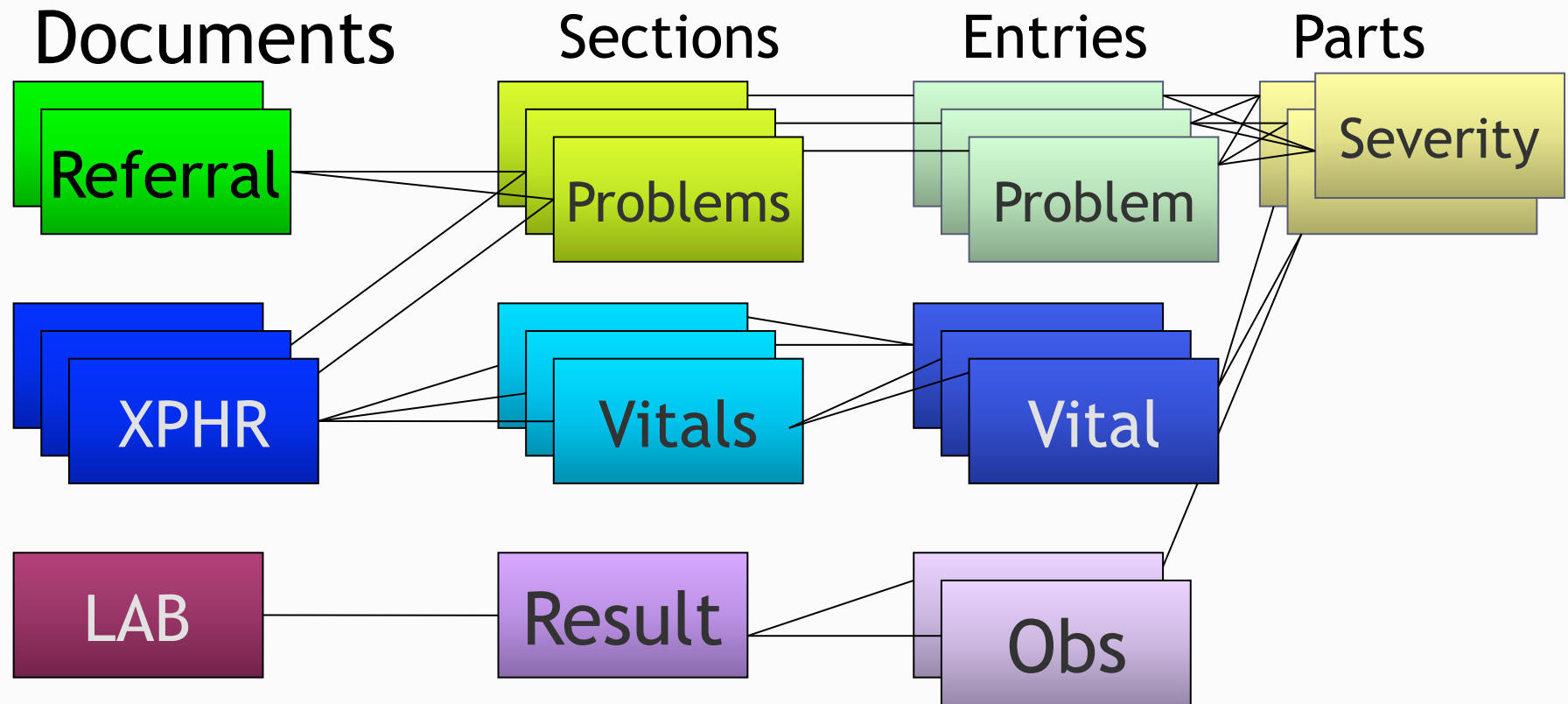
2006-07

2007-08

2008-09

2009-10

# Library of Templates



# Quality, Public Health, and Research Profiles

## ■ Profiles

- Anatomic Pathology Reporting to Public Health (ARPH)
- Drug Safety Content (DSC)
- Maternal and Child Health (MCH)
- Physician Reporting to a Public Health Repository-Cancer Registry (PRPH-Ca)
- Early Hearing Detection and Intervention: Screening, Short-Term Care, and Clinical Surveillance for Hearing Loss (EHDI)
- Retrieve Protocol for Execution (RPE)
- Redaction Services (RSP)

## ■ White papers

- Newborn Screening (NBS)
- Performance Measure Data Element Structured for EHR Extraction
- Public Health Data Standards Consortium White Paper

## Wrap-up With Some Useful Links

- IHE integration statements
  - <http://product-registry.ihe.net/PR/searchHome.seam?cid=1161>
  - E.g., what interoperability is supported by product version for a given vendor
- Connectathon results
  - <http://connectathon-results.ihe-europe.net/>
  - E.g., who has successfully tested as an XDS registry and repository
  - Who has successfully tested clinical content

Coming up Next ...