

The transition from Island Healthcare Information Systems to integrated Care Record Systems

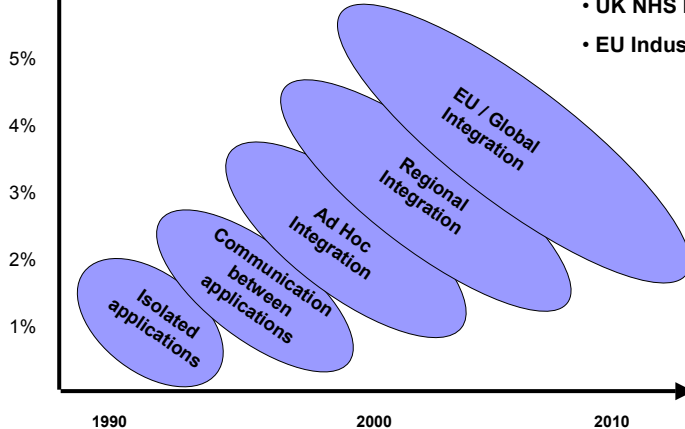
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Kodak Health Imaging



European spend on ICT as a % of healthcare budget

• ICT Health budget and status of integration

Healthcare
budget
spend - ICT
6%



- EU Acceleration of ICT spend
- UK NHS ICT Budget 2%
- EU Industry ICT spend 7%



The challenge for ICT in healthcare

- **Providing appropriate clinical information at the point of care to improve efficiency and quality**
 - Complexity of the healthcare process and the interdependences between the departments, hospitals and clinicians
 - Legacy Information systems need to be integrated to provide the clinical pathway
 - Validation of patient identification and the migration of data in island systems
 - Security and authorisation of access to data
 - Cost of implementation and overall complexity of the integration of island departmental systems due to different architectures
 - Lack of investment in ICT in health

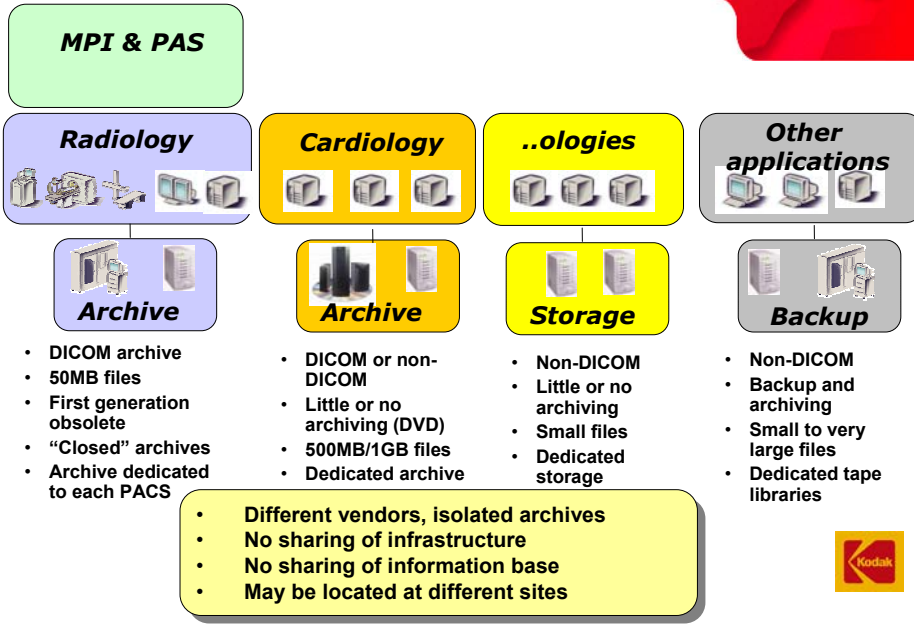


The solution

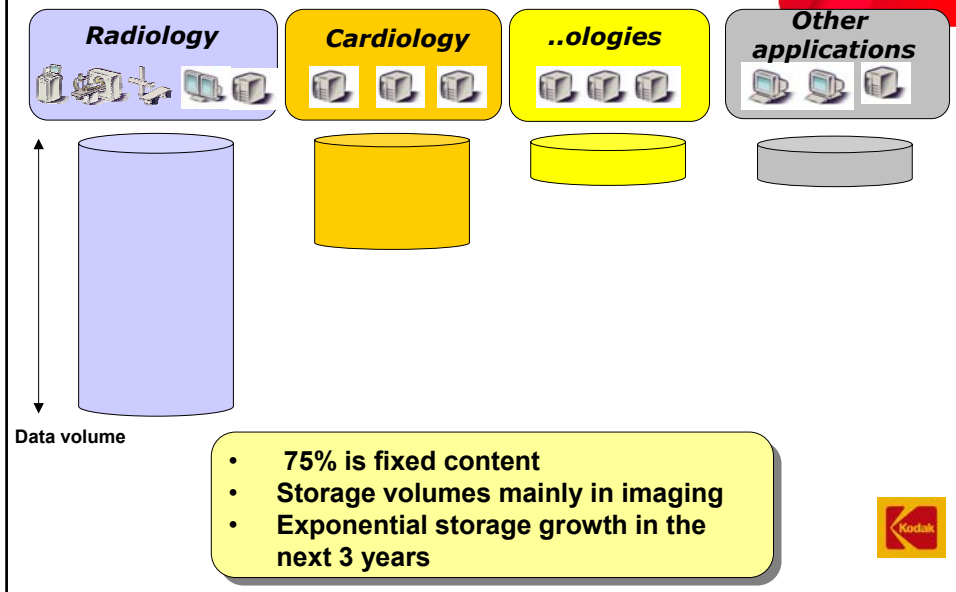
- **A system that will automate clinical information at the point of care**
 - Simplify the Complexity of the healthcare process by providing a longitudinal healthcare record
 - Enable Legacy Information systems to be integrated to provide a clinical data repository
 - Ensure an appropriate unique patient identifier is the starting point in for the master patient index.
 - Reduce costs by Enterprise Information Management by consolidation and simplification
 - Use existing industry standards IHE DICOM HL7 XML FTP



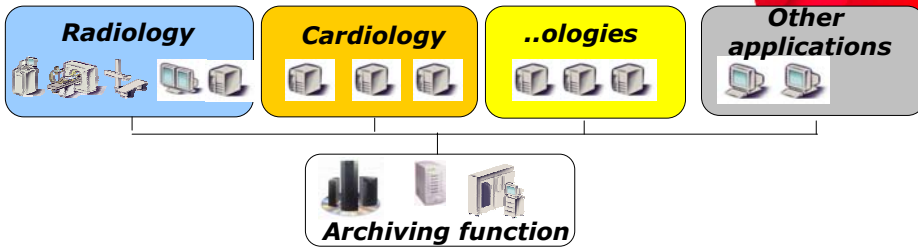
Standard Hospital environment Today



Hospital general storage content



Enterprise Information management Solution

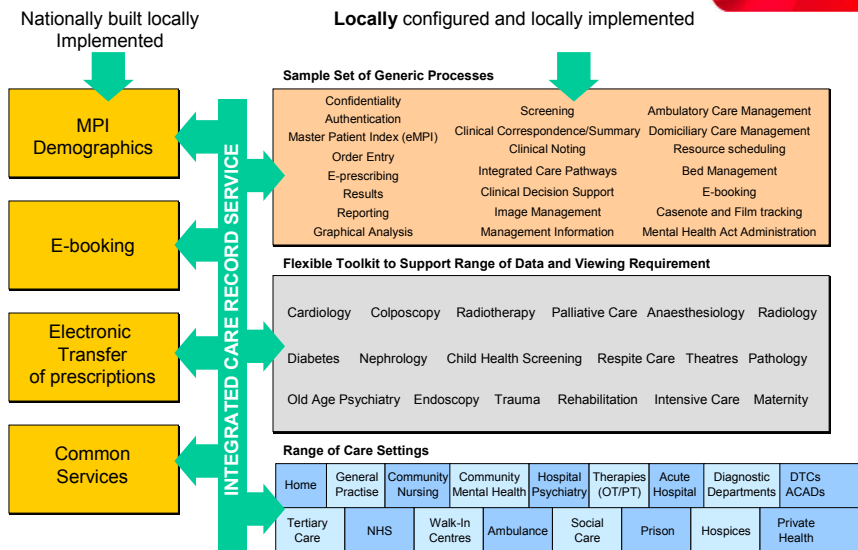


Main Advantages

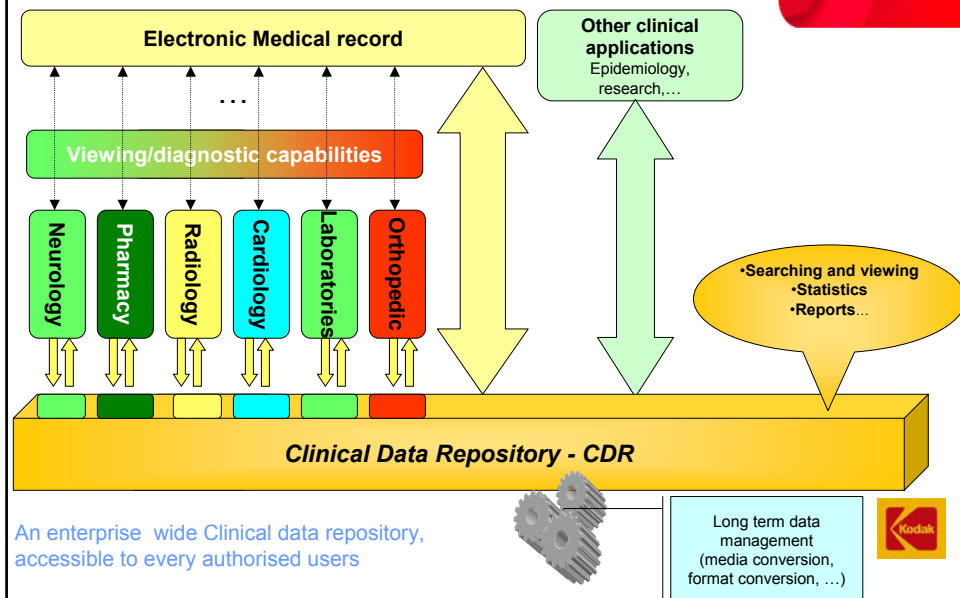
- Share the infrastructure →
 - Consolidate information →
 - Globalize data protection →
 - Ease long term information management
 - Ease architecture evolution
 - Ease Obsolescence Management
- Optimize investment
 - Ease information sharing
 - Enhance information security
 - Enhance IT productivity



Overall Requirements for a national system



Kodak Enterprise archiving model



Kodak VIParchive enterprise archive management view

The screenshot shows the **VIParchive Watch CM** web interface in Microsoft Internet Explorer. The page title is **VIParchive Watch CM** and the browser address is <http://150.224.50.190:8400/cgi-bin/idx.pl?c=120p=292>. The main content area displays a **Patient Record** for **1239530-7 GIBBS Maurice, 1948-03-04, M**. Below the patient information is a table listing archived documents.

Description	Document Date	Archive Date	Images	Size	Compression Factor	Storage Plan
Report	2003-11-13	2003-11-13 (13:46:33)	1			default
Slides	2003-11-13	2003-11-13 (12:41:34)	1	230.5 K	1.2	default
Voice Note	2003-11-13	2003-11-13 (13:40:52)	1	118.6 K	1.3	default
Statistics Summer 2003	2003-11-13	2003-11-13 (13:39:40)	1	19.0 K	3.5	default
CT ARD -C	1994-10-26 17:45:41	2003-11-13 13:23:15	113	56.7 M	2.7	default
[CT] SCOUT, PELVIS			1			
[CT] -C, PELVIS			54			
[CT] SCOUT, PELVIS			1			
[CT] DRAINAGE, PELVIS			43			
[CT] DRAINAGE, PELVIS			14			
CT ARD/PEL +C	1994-10-24 17:58:02	2003-11-13 12:22:36	51	25.5 M	2.6	default
[CT] SCOUT, ABD/PEL			3			
[CT] +C, ABD/PEL			48			
CT ARD/PEL -C	1994-10-04 07:41:20	2003-11-13 13:24:35	98	49.2 M	2.6	default
[CT] SCOUT, ABD/PEL			1			
[CT] -C, ABD/PEL			97			

Buttons: Forward, Delete, Add

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VIP archive key features

- **Multi source/Open archive**
 - DICOM/Non DICOM, "ology" and IT sources
 - Patient data consolidation
- **Enhanced lifecycle management, clinical based**
 - Adapt performance to content
 - Adapt preservation/retention to content
- **Transparent access across multi sites**
 - All data available from anywhere
 - With standard interface to End User tools
- **Built in disaster recovery**
 - Local or remote
 - From manual to automatic recovery
- **Media technology and storage vendor neutral**
 - All storage technologies supported (disk, tape, DVD...)
 - Management of obsolescence
- **Scalability by design**
 - Same software from small to large enterprise systems
 - Incremental architecture



**Thank you
&
Questions**

