EMC ratkaisuja terveydenhuollossa

Avoimet rajapinnat – kuvantaminen – yhteinen tietovarasto ja sitä hyödyntävät sovellukset

Ari Mattila
Staff Systems Engineer
EMC

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5,000 healthcare customers worldwide

92% of hospitals with 500+ beds

#1 healthcare storage vendor

52% of all healthcare customers

are EMC customers

INTEGRATES
with existing clinical applications

MEETS
the varying information need of clinicians

REDUCES
the TCO in information technology

OUR APPROACH

AGGREGATE | SHARE | OPTIMIZE

DIGITIZE INFORMATION

CONNECT
INFORMATION

ENTITIES SHARE PATIENT RECORDS

TRANSFORM
INFORMATION

INFORMATION, PROCESS, COLLABORATION, AND ANALYTICS

EPR'S STILL FALL SHORT OF A PATIENT CENTRIC VIEW

Too many formats and applications

Information lives in siloed locations

Electronic records are incomplete

Information is trapped in paper medical records

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DOCUMENT IMAGING FOR MEDICAL RECORDS

MEDICAL IMAGE SHARING AND MANAGEMENT

VIRTUAL PATIENT INFORMATION REPOSITORY

INTEGRATED PATIENT RECORD SOLUTIONS

DOCUMENT IMAGING FOR MEDICAL RECORDS

Intelligently capture document

Automatically classify and index

Extract and validate key data

Link files to the EPR

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Capture Strategy

DOCUMENT IMAGING FOR MEDICAL RECORDS

- **Back Scanning**

  Full scanning of all medical records

- **Scan on Demand**

  Scan records when requested, either for inpatients or outpatient appointments.

- **Scan on Return**

  Scan the patient records once they have been returned prior to referral

- **Facilities Management**

  EMC Supplied licenses with bureau staff provided on-site to fast-rack the scanning process and transfer knowledge to records staff

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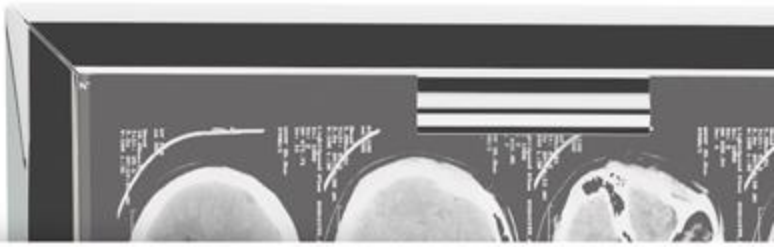

MEDICAL IMAGE SHARING AND MANAGEMENT

Manage and share medical images

Information lifecycle management

Link files with HIP

Utilize open health IT standards

Decouple PACS from hardware

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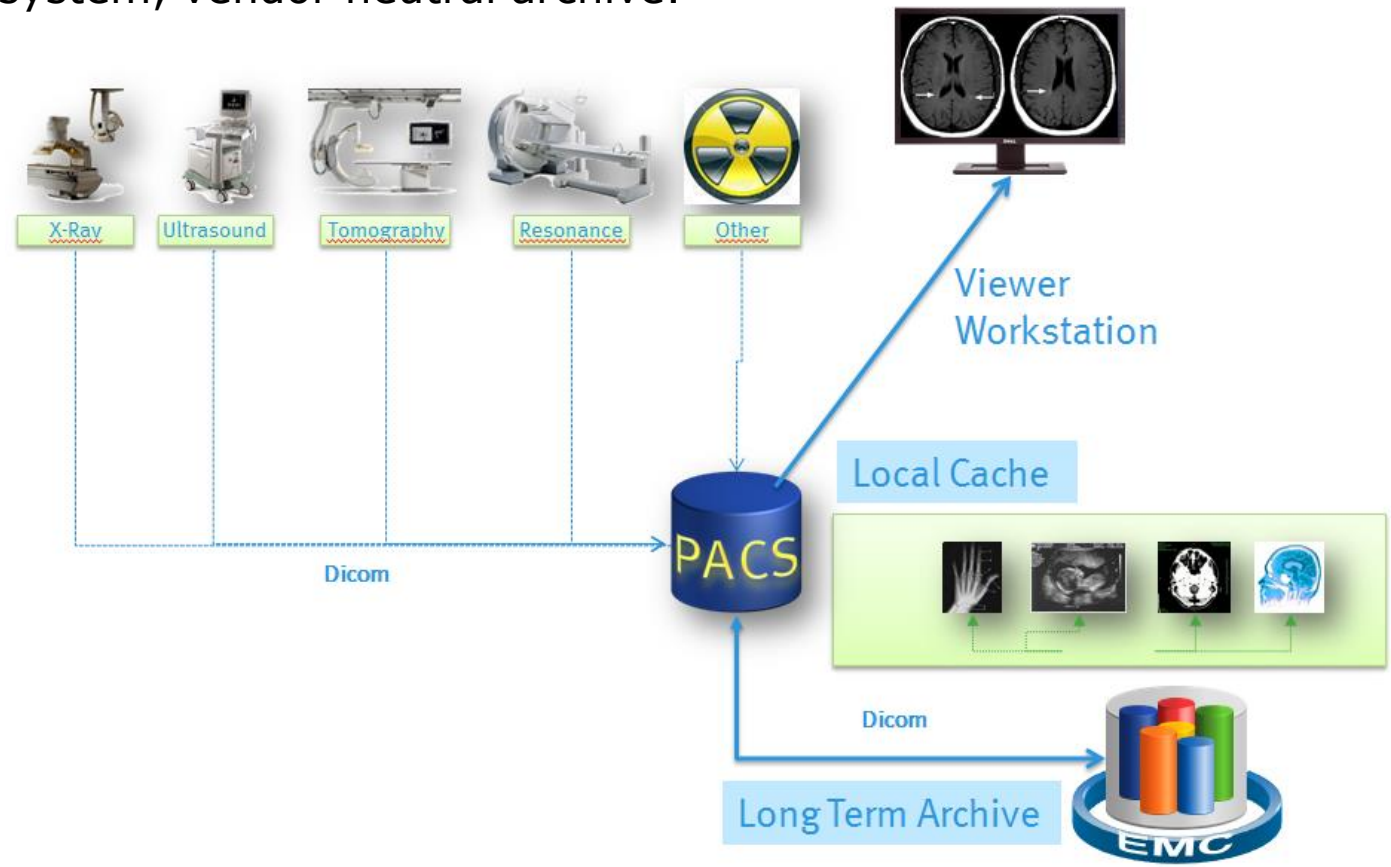
Medical Image Sharing & Management

MEDICAL IMAGE SHARING AND MANAGEMENT *(EMEA only)*

- This solution helps healthcare organizations access, share and manage medical images, such as x-rays, MRIs, CTs, PET, etc. in an interoperable, open-system, vendor neutral archive.



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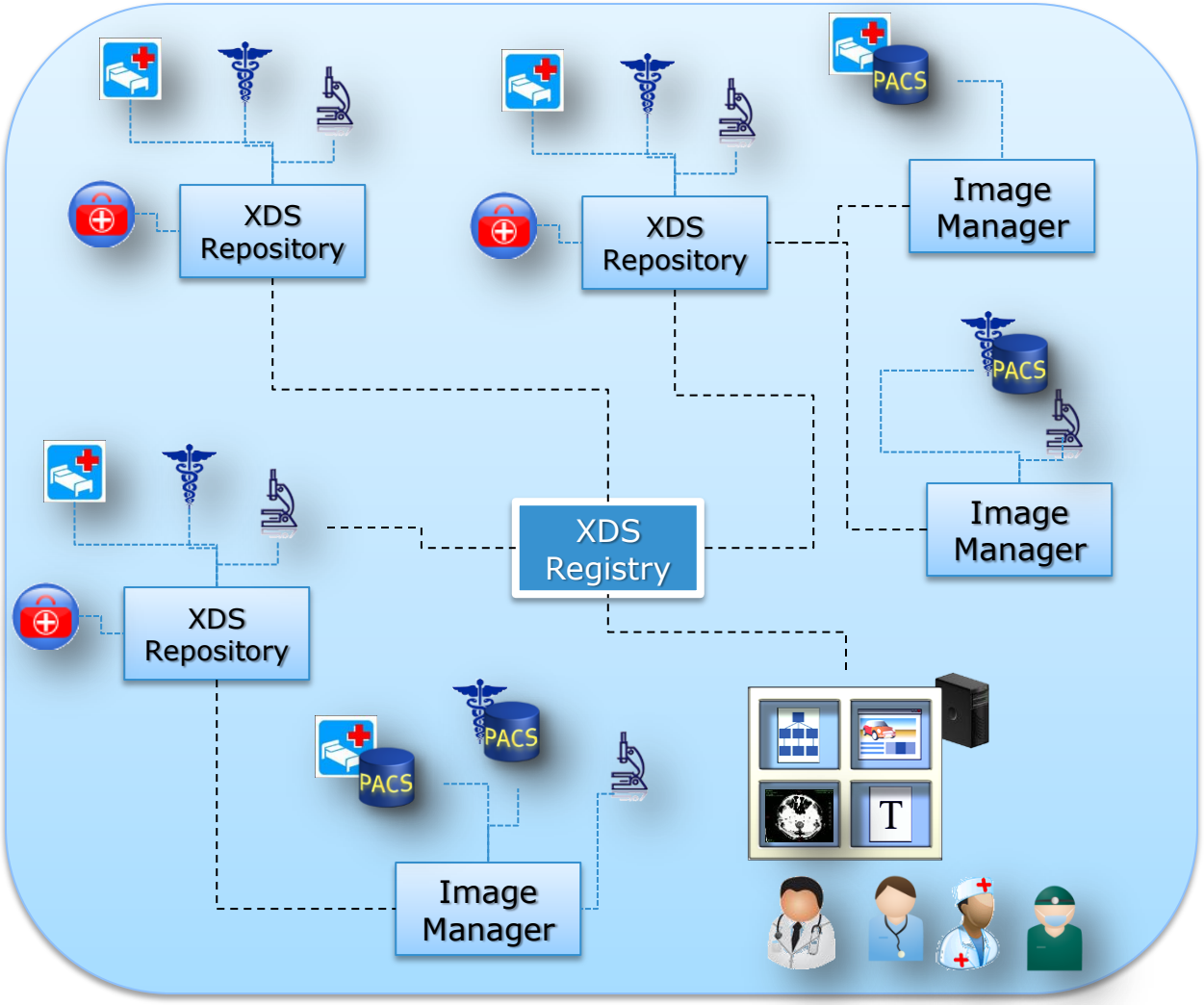
HIP in Multi site Configuration Across Single Affinity Domain (Single Registry, Multiple Repositories, Image Managers)



IHE XDS Profiles

- **XDS.b with single central Registry**
  A single central registry that holds an index of all of the documents stored in each of the different XDS.b repositories . XDS documents are retrieved from the repositories using XDS webservices.
- **XDS-I.b**
  Retrieval of the relevant objects for a study are stored in the XDS Repository which contains the links images stored in the Image managers. The images are retrieved directly from the image managers through DICOM or WADO

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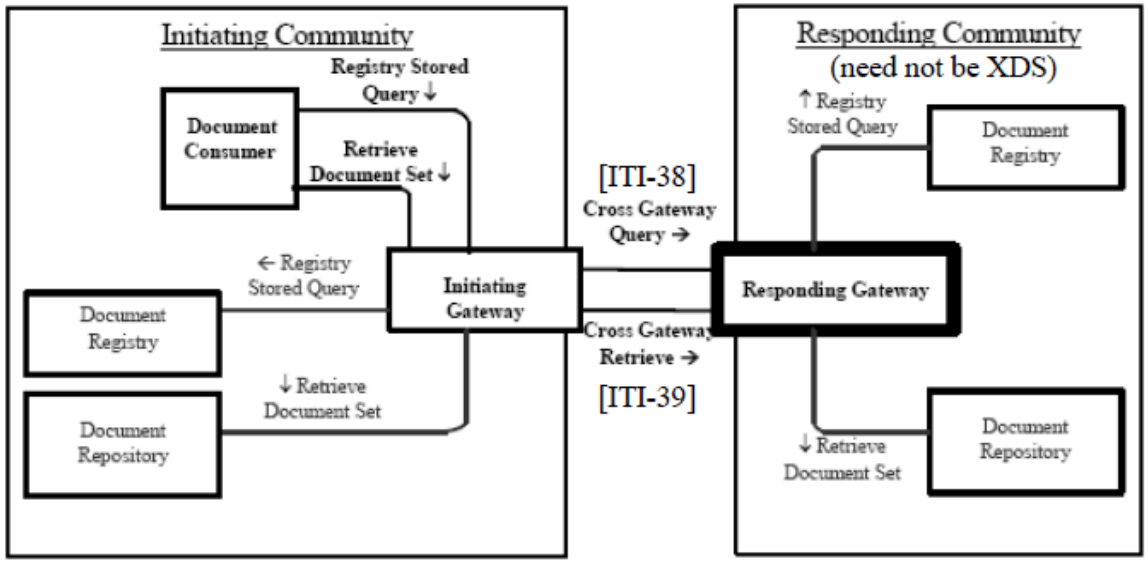
The XCA IHE Profile



- XCA = Cross Enterprise Community Access
- It is an IHE profile which provides the framework for different Affinity Domains to share documents
- The "other" Community may or may not be XDS compliant
- XCA is possible by the Initiating and Responding Gateway being configured to interpret and normalise the varying standards

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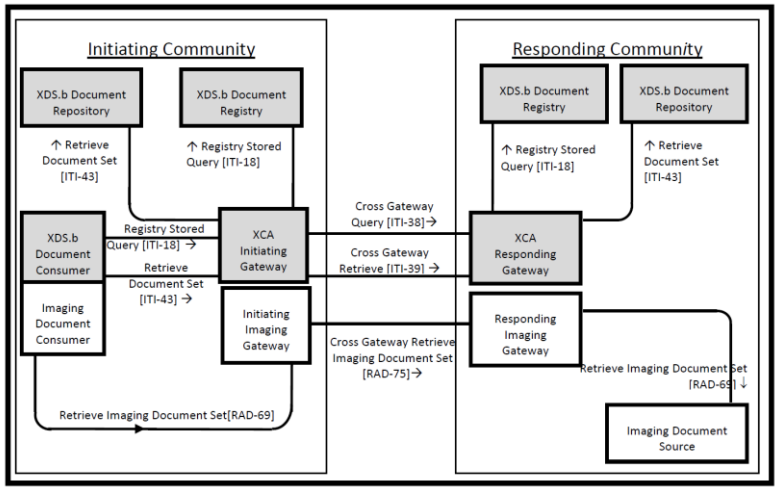
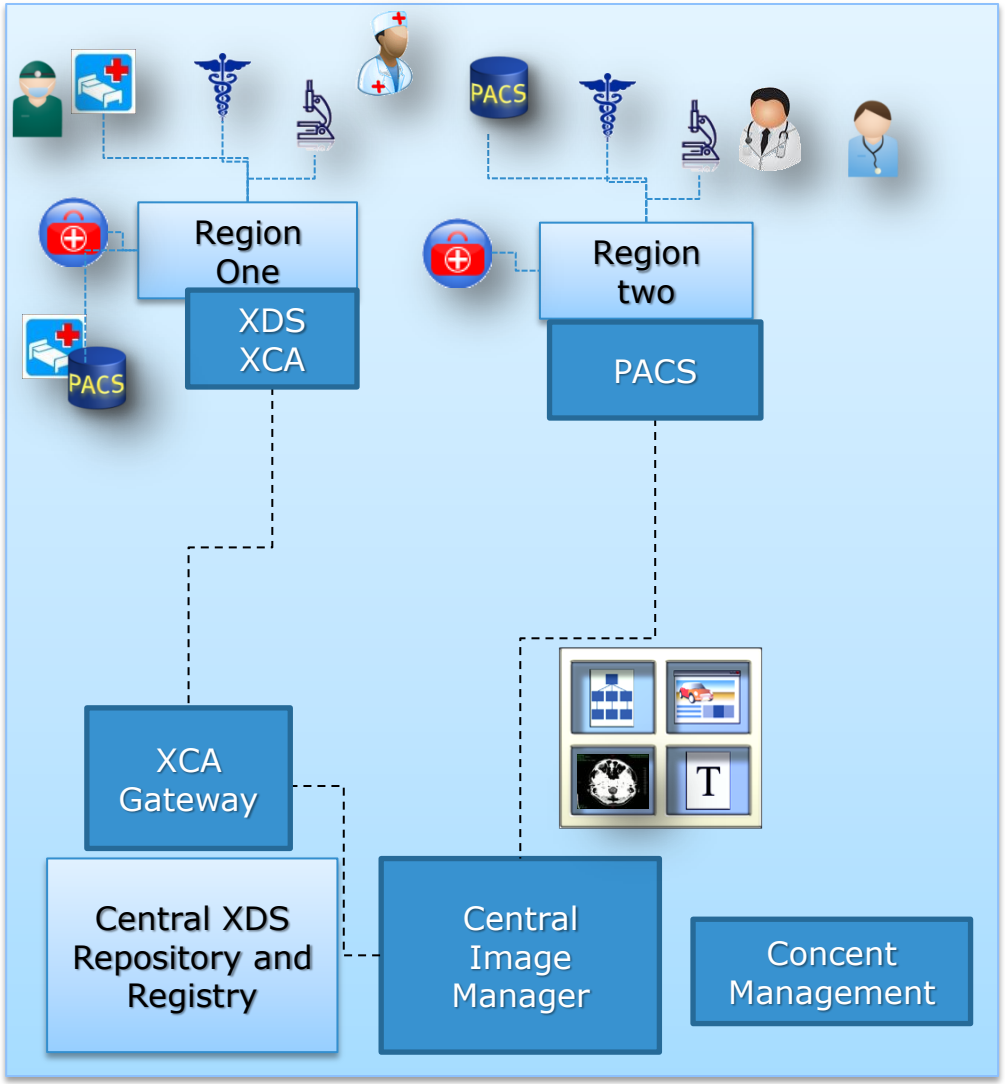
Image sharing between regions





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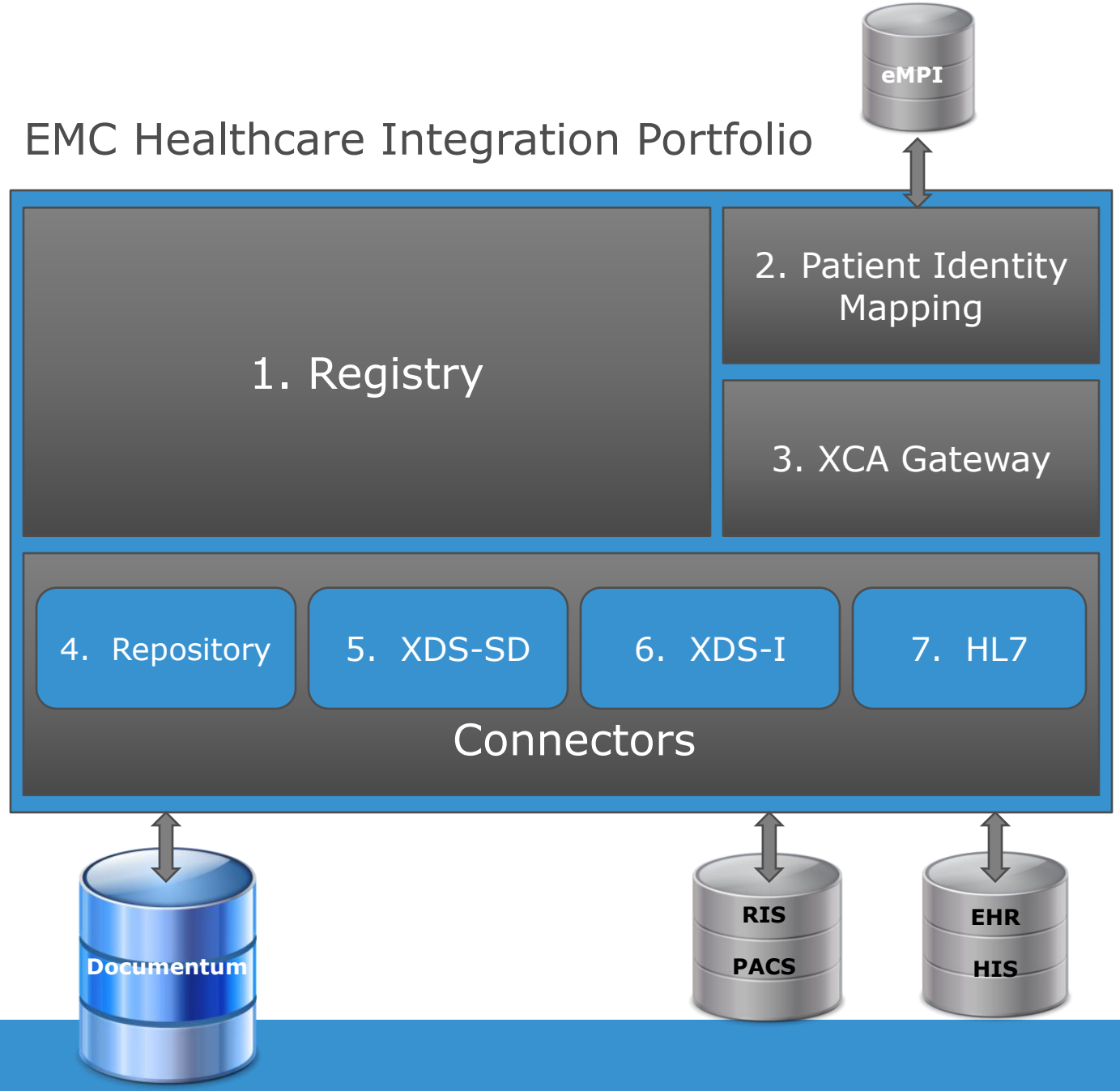
EMC Healthcare Integration Portfolio



1. Registry is the critical foundation component
2. Patient identity mapping support (PIX/PDQ) to eMPI
3. XCA Gateway for secure distributed access (regional / national / cross border)
4. Repository Connector to DCTM
5. XDS-SD Connector for scanned documents from Captiva or others
6. XDS-I Connector for medical images from PACS
7. HL7 message creation & consumption

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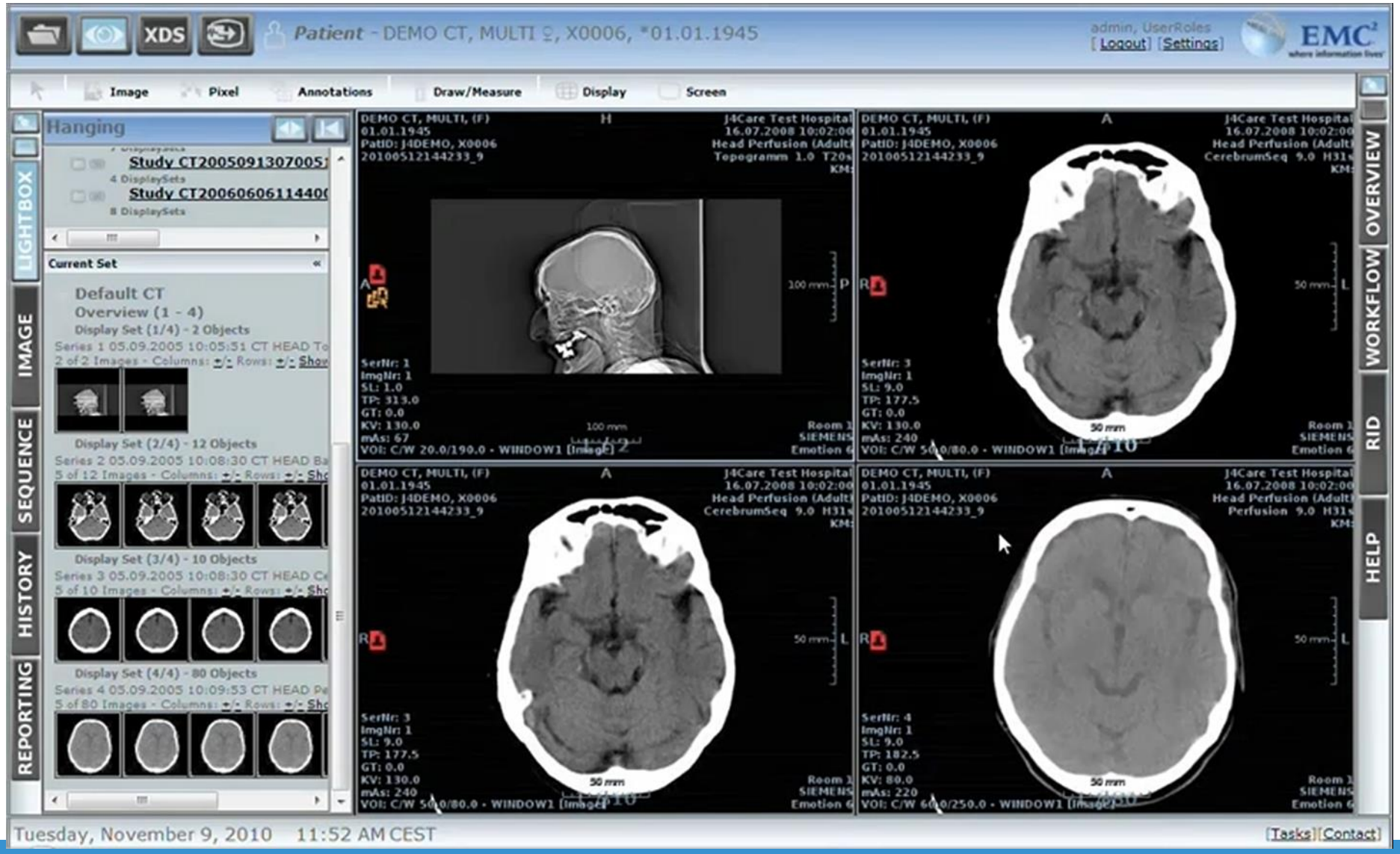
HIP PatientViewer Workflow Screenshot



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VIRTUAL PATIENT INFORMATION REPOSITORY

Aggregate and consolidate information

Automate processes and workflows

Collaborate across the enterprise

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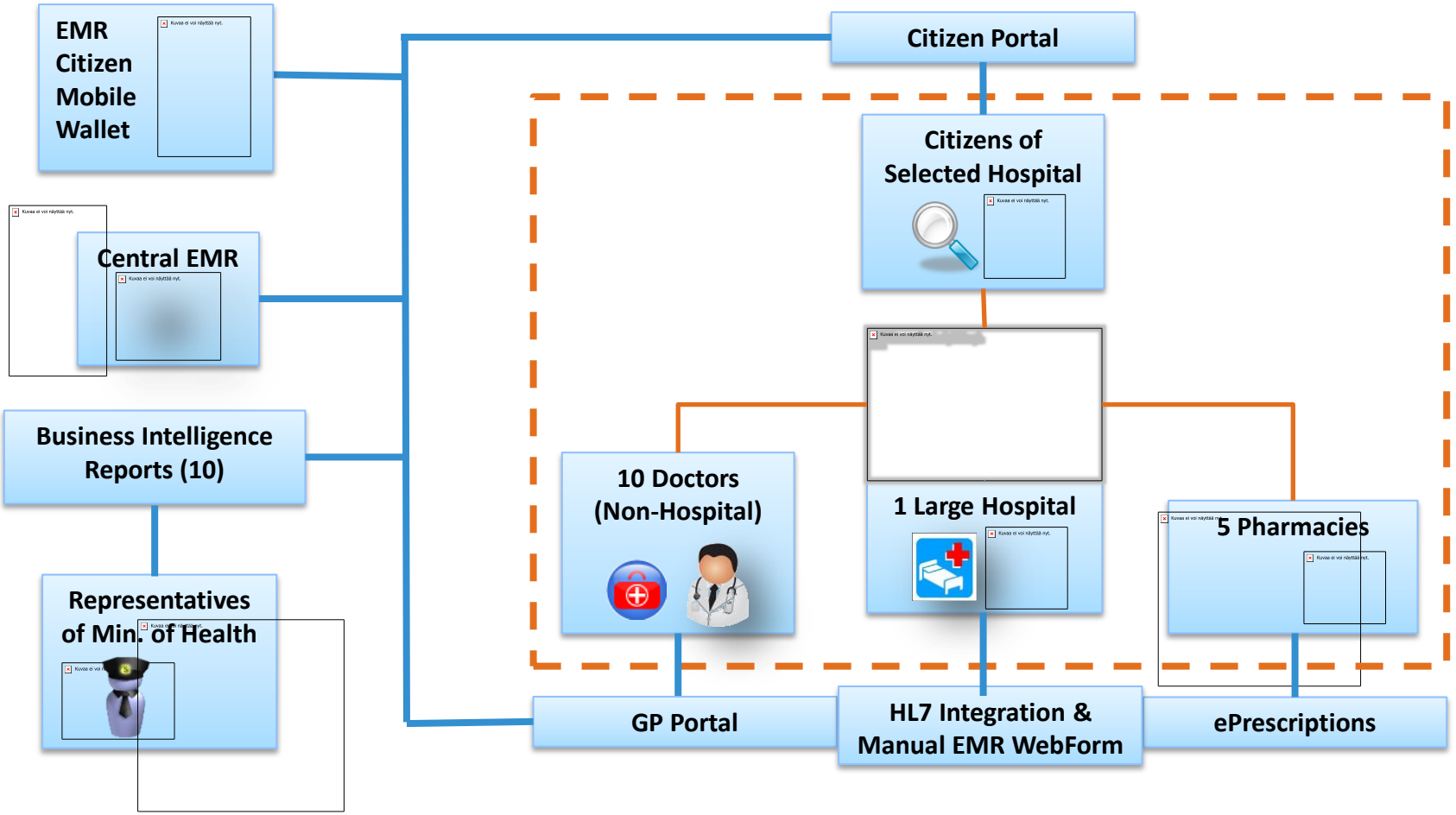
National Healthcare Ecosystem (Initial Phase)



Introduce eHealth to a limited community of actors to prove the architecture, workflows and user experiences (UI). Ensures higher success for the wider rollout to a region/nation

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Mobile Experience (HIP & Mokipay)

HIP

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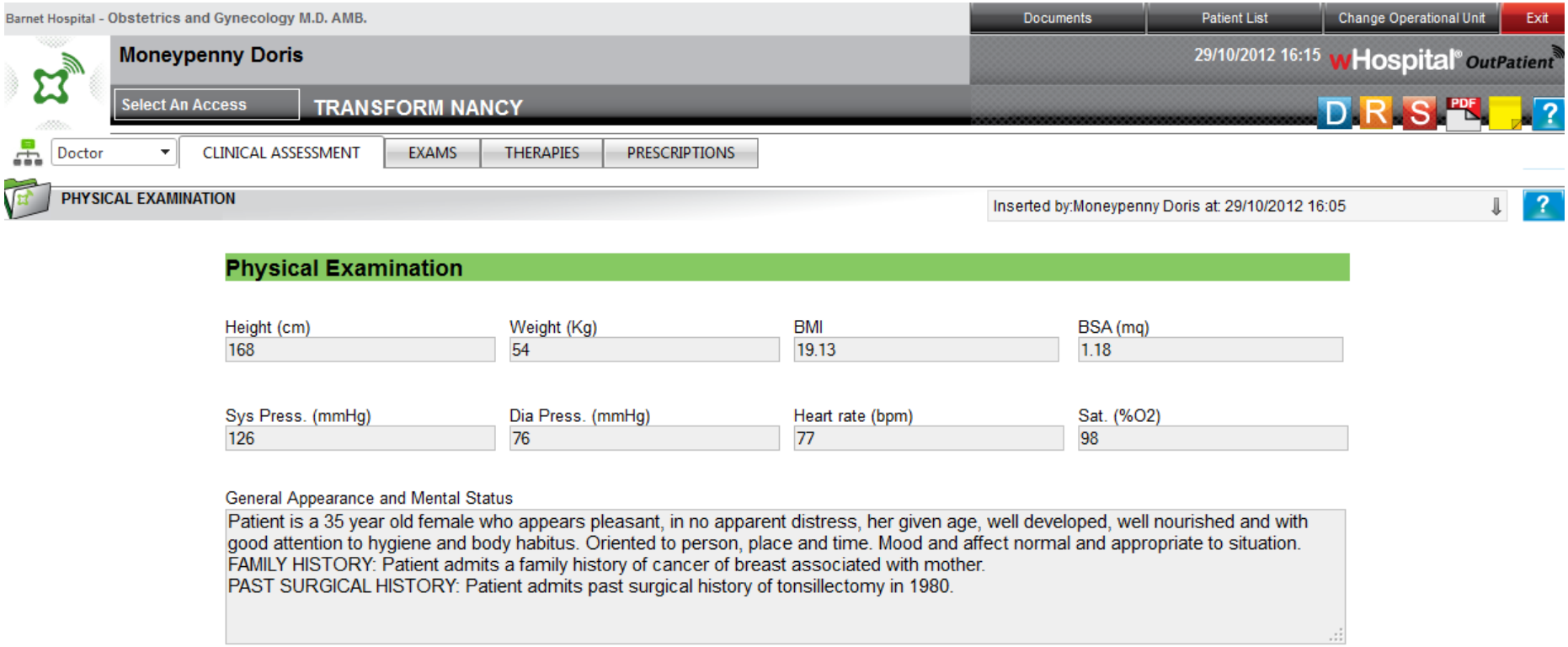
wHospital (HIP & HIS)



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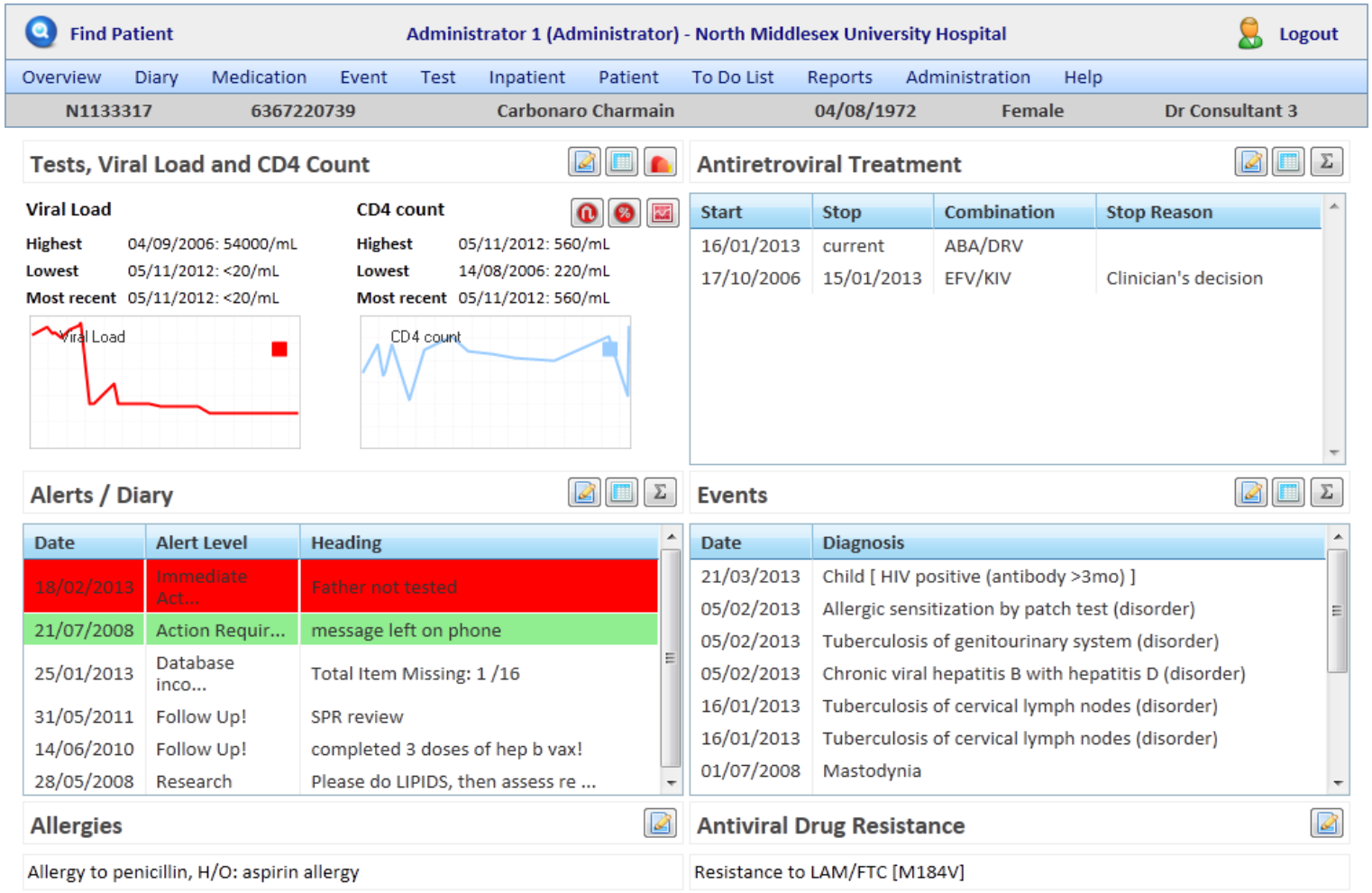
CareSolutions CLIMATE HIV Overview



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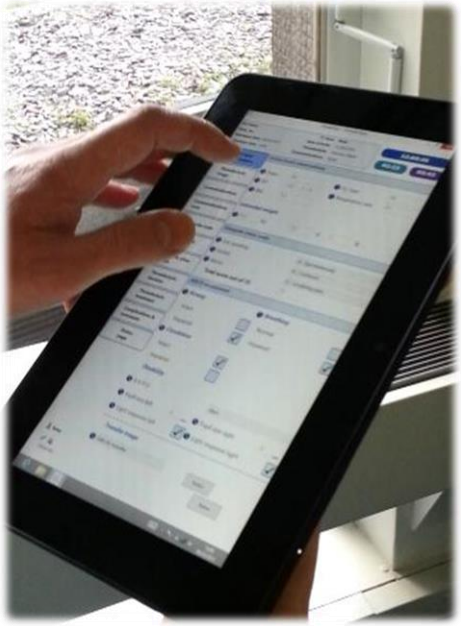
CareSolutions STROKEPAD Overview

Solution Overview



StrokePad

Value Chain

Fully functional and comprehensive mobile Electronic Patient Record for Stroke treatment.

'Digital Pen and Paper' Point of Care

'Built in Logic' to save Clinicians' time in completing statutory forms

Paper print-outs.

Fully available for all screens.

Fully functioning service even when the Network is unavailable

Automated SSNAP submissions

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Tervetuloa EMC:n avoimelle ständille!

Paikalla koko EMC tarjoama sekä asiantuntijat

- Edellisten lisäksi
- Tietotuva –RSA
- Virtualisointi – VMWare
- Varmistus ja tallennusratkaisut

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