
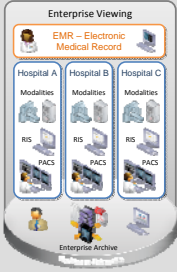


Using IHE to Enable Medical Imaging Archiving & Visualization Across Your Enterprise


Analysis, Recommendations, Case Studies



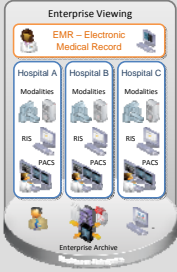
IHE for Interoperability



- By selecting systems that adhere to the **IHE Technical Framework**, you will achieve greater **interoperability among systems and facilities**
- There are a number of key **IHE Integration Profiles and Actors (Systems)** to consider
- Your **strategy** for deploying these systems is equally important
- A **hub-and-spoke model**, using IHE, provides **clinical & operational benefits**


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Inside the Hospital – Acquiring Studies




Managing the primary workflow...

- Scheduled Workflow (SWF)**
 - Defines order, acquisition, and storage transactions for predictable workflow among participating systems, such as HIS, PACS and Acquisition Modalities
- Patient Information Reconciliation (PIR)**
 - Ensures accurate patient demographics are used to identify studies
- Access to Radiology Information (ARI)**
 - Ensures reliable retrieval of study information from DICOM sources, such as PACS



IHE provides important "best practices" when managing the **acquisition** process

- Managing patient data & exam orders consistently across different modalities reduces errors

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Case Study #3 – NHS Connecting for Health

Agfa Radiology PACS (IMPAX)

30 Entities
75 Hospitals

North East / East & East Midland

AGFA HealthCare

10 MM exams/year
Growing to 25 MM by year five
300 Terabytes/year

IMPAX Data Center

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Remember to...

- Specify adherence to the IHE Technical Framework when selecting systems
- Consider your system deployment model within and across hospital enterprises
- Consider your needs for viewing consolidated patient records & integration to an Electronic Medical Record (EMR)
- Consider your future needs: more data volume, additional hospitals
- Work with a vendor that has experience in integration

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