

RSNA/IHE Image Sharing Demonstration

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LL-INE3252

PURPOSE/AIM

The IHE Image Sharing Demonstration will showcase developments in radiology informatics, standards-based interoperability and image sharing. The demonstration will include:

- Exchange of medical images and reports using personal health record (PHR) accounts as in the RSNA Image Share pilot project, funded by the National Institute of Biomedical Imaging and Bioengineering (NIBIB). The image exchange architecture is based on the IHE Cross-enterprise Document Sharing for Imaging (XDS-I) profile.
- Patient radiation dose monitoring in local and national settings based on DICOM Dose Structure Reports (SRs) and the IHE Radiation Exposure Monitoring (REM) profile.
- Ordering and scheduling of radiology procedures using procedure names from the RSNA RadLex Playbook.
- Generation of radiology diagnostic reports using structured templates developed by the RSNA Reporting Committee and including RadLex terminology.
- Exporting image data exported from PACS using the IHE Teaching File and Clinical Trial Export (TCE) profile and using this data to author teaching files and processing of images for clinical trials using the RSNA MIRC software.