

Interoperability Scenarios

Care Theme: HIE Core Services

Act 27 - HIE Core Services

Scenario Primary Goal: To demonstrate ability to provide efficient and accurate clinical information for medical use within the HIE. This will show the interoperability of patient data within clinical entity like hospitals.

Key Points:

- This scenario features all the HIE Core Services and focuses on the HIE Core Services required in support of the IHE Cross-enterprise Document Sharing Profile.
- Disparate systems can utilize HIE Core Services to share patient information
- HIE Core Services enables clinical data to be shared among different systems

Meaningful Use Relevance

MU Objective 1: Improving Quality, Safety, Efficiency and Reducing Health Disparities

- This scenario demonstrates how core health information exchange services improve access to comprehensive patient health data for the health care team.

MU Objective 2: Improving Care Coordination

- This scenario demonstrates how to improve care coordination as evidenced by movement of patient data across all types of care settings, from home to MD office to the hospital.

Clinical Workflow:

This scenario does not reflect any one exchange of patient health information; rather, it highlights the core automation services required for establishing an effective health information organization in any community, region or aggregation of care facilities. The demonstration will show how information can be easily and safely accessed through HIE Core Services.

Care Scenario Steps	HIE Core Services	IHE Profiles	Title	HITSP Constructs	Title
27-1A HIE to Exchange Patient Data	PIX (Manager) PDQ (Service Provider)	PIX (ITI) PDQ (ITI)	Patient Identity Cross-reference Patient Demographic Query	HITSP SC112 HITSP/TP22 HITSP/T23	Healthcare Document Management Patient Identity Cross-reference Patient Demographics Query
27-2A XDS Registry Walk Through	XDS (Provider and Register Doc) XDS (Query Reg)	XDS (ITI)	Cross Document Registry	HITSP/SC112 HITSP/TP13 HITSP/T31 HITSP/T33	Healthcare Document Management Manage Transfer of Document Document Reliable Interchange Transfer of Documents on Media
27-3A XDS Repository Walk Through	XDS (Provide and Registry Doc) XDS (Retrieve Doc)	XDS (ITI)	Cross Document Repository	HITSP/SC112 HITSP/TP13 HITSP/T31 HITSP/T33	Healthcare Document Management Manage Transfer of Document Document Reliable Interchange Transfer of Documents on Media
27-4A XCA Gateway	Gateway	XCA (ITI)	Cross-community and Cross-enterprise Document Sharing	HITSP/SC112 HITSP/TP13	Healthcare Document Management Manage Transfer of Document

Care Scenario Steps:	HIE Core Services	IHE Profiles	Title	HITSP Constructs	Title
27-1B HIE to Exchange Patient Data	PIX (Manager) PDQ (Service Provider)	PIX (ITI) PDQ (ITI)	Patient Identity Cross-reference Patient Demographic Query	HITSP SC112 HITSP/TP22 HITSP/T23	Healthcare Document Management Patient Identity Cross-reference Patient Demographics Query
27-2B XDS Registry and Repository Combined Walkthrough	XDS (Provider and Register Doc) XDS (Query Reg) XDS (Retrieve Doc)	XDS (ITI)	Cross Document Registry Cross Document Repository	HITSP/SC112 HITSP/TP13 HITSP/T31 HITSP/T33	Healthcare Document Management Manage Transfer of Document Document Reliable Interchange Transfer of Documents on Media
27-3B XCA Gateway	Gateway	XCA (ITI)	Cross-community and Cross-enterprise Document Sharing	HITSP/SC112 HITSP/TP13	Healthcare Document Management Manage Transfer of Document
27-4B Audit Repository	Audit	ATNA (ITI)	Audit Trail and Node Authentication	HITSP/SC112 HITSP/T15 HITSP/T17	Healthcare Document Management Collect and Communicate Security Audit Trail Secured Communication Channel