

## HIMSS10 Interoperability Showcase Interoperability Scenarios

**Care Theme:** Emergency Care**Scenario (ACT):** Emergency Encounter with Imaging Requirement

Care Scenario Steps:	Care Setting From	Care Setting To
2-1 EMS Transfer of Care	Ambulance	ED
2-2 Emergency Care Imaging Procedure	ED	Imaging Dept
2-3 Communicate imaging information to PCP office	Imaging Dept	PCP Office
2-4 Emergency Dept Encounter Summary (w imaging results)	ED	PCP Office
2-5 Patient visits the PCP who reviews the emergency encounter and the images and updates the patient's PHR	PCP Office	Home

**High level / main characters:** This scenario features a patient arriving in the emergency room that required medical imaging. The image was later reviewed by the patient's care provider within their own EMR as well as by the patient within their PHR.

**Scenario Primary Goal:** To demonstrate ability to share patient information across multiple care provider systems.

**ARRA Meaning Full Use Priorities/Objectives Relationship:** Coordination of Care/ Needs of Children & Vulnerable

**Key points**

- Patient arrives in Emergency Room that requires an x-ray
- X-ray is taken and is available for viewing at PCP office
- PCP is able to see the results of the emergency encounter
- PCP updates the patient's PHR with the results of all encounters and results

Care Scenario Steps	IHE Profiles*	Title	HITSP Construct (Capability)	Title
2-1	ETC	EMS Transfer of Care	HITSP C148	EMS Transfer of Care
2-2, 2-3	RAD	Radiology [SWF, Image Capture, PACS]	HITSP TP49/TP89	HITSP Sharing Radiology Results Transaction Package, HITSP Sharing Imaging Results Transaction Package
2-4	EDES	Emergency Department Encounter Summary	HITSP C28 (CAP119)	HITSP Emergency Care Summary Document Using IHE Emergency Department Encounter Summary Component

2-4, 2-5	XPHR	Exchange of Personal Health Record Content Profile	HITSP C32 (CAP119)	HITSP Summary Document Using HL7 Continuity of Care Document (CCD) Component
Infra Req	XD*	Cross-enterprise Document Sharing	TP13, T31, T33, (SC112)	HITSP Manage Sharing of Documents Transactions
Infra Req	PIX	Patient Identity Cross-reference	TP22 (SC112)	HITSP Patient ID Cross-Referencing Transaction Package
Infra Req	PDQ	Patient Demographics Query	T23 (SC112)	HITSP Patient Demographics Query Transaction
Infra Req	ATNA	Audit Records	T15, T17 (SC112)	HITSP Collect and Communicate Security Audit Trail Transaction, HITSP Secured Communication Channel Transaction
Infra Req	CT	Consistent Time	T16 (SC112)	HITSP Consistent Time Transaction

This scenario demonstrates the following key characteristics/feature/benefits...

- The demonstration will use the IHE Cross-enterprise Document Sharing profile for exchange of an medical imaging between Emergency Department Systems with EMR and PHR.

#### Vendor product and participants sought:

- Emergency Department System
- EMR
- Hospital Registration / Patient Records System
- Infrastructure Services Systems [Registry, Repository, PIX Manager, PDQ Supplier, A/R Repository]
- PHR
- Please contact HIMSS Interoperability Showcase staff at.....

#### Vendors Assignment

Scene	Setting (From)	Vendors Assigned (From)	Setting (To)	Vendors Assigned (To)
2-1	Ambulance		ED	
2-2	ED		Imaging Dept	
2-3	Imaging Dept		PCP Office	
2.4	ED		PCP Office	
2.5	PCP		Home	