

Interoperability Scenarios

Care Theme: Care Coordination

Act 25 - Delivering Care in a Vacation Community

Scenario Primary Goal: To demonstrate efficient cross-community care delivery when all previous treatment locations are not known.

Key Points

- The scenario demonstrates how a patient can receive quality care at a destination that is not a frequent location where the patient receives care, e.g. at a vacation community. Special needs and medical conditions are made readily available to all care delivery organizations independent of geographic location with minimal exchange of an individual's clinical information.
- Communities are able to be located where a patient might have had treatment
- Special medical conditions for a patient are efficiently shared between physicians
- Patient medical records and care summaries history retained

Meaningful Use Relevance

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

MU Objective 2: Improving Care Coordination.

Clinical Workflow:

Luke is a college student who worked extra hours all semester to take a trip to the 2010 Olympics in person in Vancouver, BC. On his way home from the Olympics he stops at a friend's home in Oregon and while visiting falls ill. His friend took Luke to his local primary care provider (PCP). The physician asks Luke where else he typically receives his care. Luke had not visited a physician during his first year in college but remembered that his parents had created a health summary for him to have while he is attending college in Atlanta—however, Luke could not remember where his parents had sent this information. The PCP queries his local HIE in which initiates a “patient discovery” query to other HIE's. The greater Atlanta area HIE responds that no record is found. The HIE in Houston, Texas where Luke lives is able to respond affirmatively to the query. Using these patient discovery responses, the PCP in Oregon then locates and retrieves Luke's records.

Luke is treated and an encounter summary is provided to the Oregon HIE. Luke returns home for a follow-up visit with his family PCP who queries the HIE in Houston and is able to retrieve all of the encounter summary details.

Care Scenario Steps:	Care Setting From	Care Setting To	IHE Profiles*	Title	HITSP Construct	Title
25-1 A college student with severe allergies becomes ill while on vacation and goes to a local physician for care. The physician inquires if the student has had care at home, at his college community, or any other communities. The student cannot recall exactly but indicates that both his home and college care givers are part of their respective health exchange communities. The physician queries other communities regarding info about this individual.	Physician Office	HIE Services (multi-community)	XCPD (ITI)	Cross-Community Patient Discovery	NHIN Interface Specification - XCPD	Service Interface Specifications for Patient Discovery
25-2 The HIE Service at his home community responds affirmatively, but the school responds with a "Not Found" in that he never had visited the clinic there.	HIE Services (multi-community)	Physician Office	XCPD (ITI) XCA (ITI)	Cross-Community Patient Discovery Cross-Community Access	NHIN Interface Specification - XCPD	Service Interface Specifications for Patient Discovery
25-3 The physician then queries the HIE Services at the home community to identify and retrieve any health records retained at the community. The Physician finds and retrieves the student's health summary record.	HIE Services (home community)	Physician Office	XPHR (PCC)	Medical Summary Document Content	HITSP/CAP119 HITSP/C32	Communicate Structured Documents Summary Documents Using HL7 Continuity of Care Document
25-4 The physician treats the patient, documents the encounter and posts the encounter summary to its local repository.	Physician Office (vacation community)	HIE Services (vacation community)	XD-MS (PCC)	Medical Summary Document Content	HITSP/CAP119 HITSP/C48	Communicate Structured Documents Encounter Document using IHE Medical Summary
25-5 The student returns home after vacation and visits his PCP for follow-up. The PCP is able to access the encounter summary for the care provided to the student while away.	Physician Office (home community)	HIE Services (multi communities)	XCPD (ITI) XCA (ITI) XPHR (PCC) XDS-MS (PCC)	Cross-Community Patient Discovery Cross-Community Access Exchange of Personal Health Record Content Medical Summary Document Content	HITSP/CAP119 HITSP/C32 HITSP/C48	Communicate Structured Documents Summary Documents Using HL7 Continuity of Care Document Encounter Document using IHE Medical Summary

Health Information Exchange (HIE) Core Services			
IHE Profiles		HITSP Service Collaborations / Constructs	
XCA XDS/XDR/XDM	Cross-community and Cross-enterprise Document Sharing	SC112 / TP13, T31, T33	Healthcare Document Management Manage Transfer of Documents, Document Reliable Interchange, Transfer of Documents on Media
PIX	Patient Identity Cross-reference	SC112 / TP22	Patient ID Cross-Referencing
PDQ	Patient Demographics Query	SC112 / T23	Patient Demographics Query
ATNA	Audit Trail and Node Authentication	SC112 / T15, T17	Collect and Communicate Security Audit Trail, Secured Communication Channel
CT	Consistent Time	SC112 / T16	Consistent Time