

HIMSS 11 Interoperability Showcase™

Use Case #2 Improving Emergency Care Efficiency

Meaningful Use Objective: Care Coordination

ARRA/Hi TECH Relevance: Coordination of Care as evidenced by movement of patient data and images from the emergency department to the ED and PCP office as well as the imaging department in the hospital. The ED HIS is interoperable with other hospital departments to improve quality, safety, efficiency, and reduce health disparities. Provide patients and families with electronic access to their health information within 96 hours of the information being available to the physician

Demonstration Focus:

The demonstration will use the IHE Cross-enterprise and Cross-Community Document Sharing profile for exchange of patient care data including images; patient identity cross referencing and patient demographics query.

High level / main characters: This scenario features a patient arriving in the emergency room with an injury that requires medical imaging. The image was later reviewed by the patient’s care provider within their own PHR.

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

Key points

- Patient arrives in Emergency Room with an injury that requires an x-ray
- X-ray is taken and is available for viewing in the ED and the PCP office
- ED HIS in interoperable with other hospital departments and physician office

Clinical Workflow Detail: A 25 year old male was celebrating Friday after work. Despite consuming too much alcohol, he decided to drive home. On the way home, he lost control of the car and hit a telephone pole. The ambulance took him to the local hospital after extracting him from his automobile. The ambulance radioed the hospital ED to provide basic information. The patient was taken from the ambulance triaged immediately in the ED and taken directly to radiology, where an emergency CT scan was done, revealing a spinal cord injury.

Meaningful Use: Care Coordination

Description: This use case features a patient arriving in the emergency department with symptoms requiring a cervical spine digital radiograph. Image is taken and is available for viewing by the patient’s physician in the ED who is able to see results from the imaging department including the images and the report. ED encounter summary and images are made available for viewing by the patient’s primary care physician.

