

HIMSS Interoperability Showcase™

ACT	THEME	SCENARIO TITLE & MEANINGFUL USE RELEVANCE	BRIEF SCENARIO DESCRIPTION
1	Maternal Health	Pre-mature Baby Delivery MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities Improving Care Coordination	This scenario features a patient presenting at the hospital Labor & Delivery (L&D) department for delivery of her baby. The scenario demonstrates the ability to provide efficient and accurate maternal health care and formally close the episode of care with the patient's obstetrician. The scenario will also show the interoperability of patient data from the MD office to the hospital L&D department.
2	Emergency Care	Emergency Encounter with Imaging Requirement MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities Engaging Patients & Families in Their Health Care	This scenario features a patient arriving in the emergency department with symptoms requiring a cervical spine digital radiograph. The scenario demonstrates the ability to share patient information across multiple acute care departments and care provider systems.
3	Emergency Care	Emergency Encounter with Image Distribution MU: Improving Care Coordination	This scenario features a patient arriving in the emergency department with symptoms requiring medical imaging. The demonstration will show the exchange of medical imaging between Emergency Department Systems with the electronic medical record (EMR) and personal health record (PHR). The scenario also demonstrates the ability to share patient information across multiple care provider systems.
4	Care Coordination	Endocrinology Referral with PCP Follow-up MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities	This scenario features a patient being referred from their PCP or Outpatient Clinic to an Endocrinologist to investigate an enlarged Thyroid gland. The scenario also demonstrates the ability to share patient information across multiple care provider systems and then provide the information from the care event to the patient.
5	Chronic Care	Hypertension Care with eRx & PHR Update MU: Engaging Patients & Families in Their Health Care	This scenario features a remote monitoring device providing patient updates to their PCP. The PCP uses their EMR to prescribe medications for the patient to pick up at pharmacy as well as referenced within the patient's PHR. The scenario demonstrates the ability for providers to proactively and efficiently manage a patient's well being through the use of home care devices and electronic medication prescribing.
6	Chronic Care	CHF Monitoring via PHR Pass thru *New Directions* MU: Engaging Patients & Families in Their Health Care	This scenario features a remote monitoring device that provides updates to the patient's PHR for self-management of a chronic condition, the patient then shares this information with their PCP at their office. The scenario also demonstrates the ability for providers and patient to share information electronically between EMR and PHR.
7	Care Coordination	Dermatology Referral with Pathology Report & PCP Follow-up MU: Engaging Patients & Families in Their Health Care, Improving Care Coordination	This scenario features a patient being referred from their PCP or Outpatient Clinic to a Dermatologist to investigate a suspicious growth on the patient's shoulder. It demonstrates the ability for providers to refer patients to a specialist and then have all care givers have access to encounter summaries and associated lab reports.
8	Care Administration Efficiency	Patient Encounter with Eligibility Verification MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities	This scenario features a patient who generates a medical summary from their PHR and shares it with their Provider who is then able to check the patient's insurance eligibility prior to treatment. The scenario demonstrates the ability for patients to actively manage their own health information and to proactively validate insurance coverage.

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9	Device Connectivity Throughout the Healthcare Spectrum	Device Interoperability Serving Home & Hospital MU: Improving Care Coordination, Improving Quality, Safety, Efficiency and Reducing Health Disparities	The scenario demonstrates the benefits of the IHE Patient Care Device Domain (PCD) Profiles in support of safe, effective, efficient patient care while improving workflow. The scenario follows a patient with Congestive Heart Failure who is monitored at home; this information assists in emergency care for an unrelated event, helping assure safe and effective care.
10	Device Connectivity Throughout the Healthcare Spectrum	Device Interoperability for the Integrated EHR MU: Improving Care Coordination, Improving Quality, Safety, Efficiency and Reducing Health Disparities	The scenario demonstrates how the health care team accesses comprehensive patient health information. To illustrate the usefulness of the complete medical record, including medical device data, providing increased safety, quality, efficiency and effectiveness of care, this scenario demonstrates the benefits of having readily available medical device data from all settings (from home, clinician's office, hospital) to provide high quality care.
11	Device Connectivity Throughout the Healthcare Spectrum	Device Interoperability for Patient Safety MU: Improving Care Coordination, Improving Quality, Safety, Efficiency and Reducing Health Disparities	This scenario demonstrates the benefits of device connectivity to reduce medical errors and to improve the clinician's ability to prioritize and address alarms sent to specific user(s). The scenario also shows care coordination as evidenced by movement of patient data from home to the physician office to the hospital and then to the physicians and specialists after discharge.
12	Device Connectivity Throughout the Healthcare Spectrum	Device Connectivity for Meaningful Use MU: Improving Care Coordination, Improving Quality, Safety, Efficiency and Reducing Health Disparities	This scenario describes the vital role that medical device interoperability plays in meeting meaningful use objectives, and how the IHE PCD technical framework establishes the basis for that required connectivity. This scenario also shows the role medical device technology plays in healthcare reform and meaningful use.
13	Public Health	Biosurveillance – Bidirectional Communication & Decision Support – H1N1 MU: Improving Population and Public Health	The scenario demonstrates bi-directional communication between providers and public health through interoperable information systems. The scenario also shows how data can be seamlessly exchanged between clinical systems and public health systems.
14	Public Health	Biosurveillance – Monitoring & Detection – ILI MU: Improving Population and Public Health	The scenario demonstrates how clinical data, including laboratory results, are exchanged and analyzed by public health agencies to support population health monitoring. The scenario also features public health biosurveillance monitoring.
15	Public Health	Immunization Reporting MU: Improving Population and Public Health	The Scenario demonstrates how State Immunization Information Systems can be used to facilitate patient's immunization within a community. The scenario features Immunization information exchange within HIE.
16	Public Health	Cancer Reporting to a Public Health State Cancer Registry - Prostate Cancer MU: Improving Population and Public Health, Ensuring Adequate Privacy and Security Protections for Personal Health Information	The scenario demonstrates how local pathology lab systems and clinic/physician office EMR systems can submit information to a Public Health State Cancer Registry database. The scenario features local pathology lab information to Public Health State Cancer Registry on all patients diagnosed with a reportable cancer.

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17	Public Health	<p>Cancer Reporting to a Public Health State Cancer Registry – Chronic Lymphocytic Leukemia</p> <p>MU: Improving Population and Public Health, Ensuring Adequate Privacy and Security Protections for Personal Health Information</p>	The scenario demonstrates how a clinic/physician office EMR can submit information to a Public Health State Cancer Registry. The scenario also shows how implementation of routine reporting from clinic/physician offices will ensure that certain reportable cancers are not under-reported to the Public Health State Cancer Registry.
18	Patient Privacy Protection	<p>Emergency Responder with Patient Privacy Protection</p> <p>MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities</p>	This Scenario demonstrates consent management within an HIE. The scenario also shows how a patient can opt-in to a policy where certain data cannot be accessed without authorized consent.
19	Quality and Surveillance Metrics in Public Health	<p>Public Health Quality Monitoring using eMeasure</p> <p>MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities</p>	The scenario demonstrates how an HIE can query a Registry for documents which are analyzed to see if they can allow data capture and generation of standard public health reporting measures for quality, surveillance monitoring, chronic disease tracking. The scenario also demonstrates the analysis of other quality measures such as Notifiable Disease Identification data that can be provided to state and local public health entities.
20	Quality Measure Deployment	<p>Ambulatory Quality BMI eMeasure Utilization</p> <p>MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities</p>	The scenario demonstrates how government performance targets are communicated with ambulatory settings, and how information from providers can be reported to payers, government agencies and other quality measurement organizations. The scenario also shows communication of quality eMeasure specifications and communication of quality data for measurement between physicians and between physicians and reporting bodies (eg, CMS, other payers).
21	Quality Measure Deployment	<p>Hospital Quality CMS eMeasure Utilization</p> <p>MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities</p>	This scenario features advanced quality measurement where electronic measures are used to provide routine Quality Measurement to assess clinical process measures for Emergency Department and Stroke. The scenario demonstrates the ability to provide efficient and accurate quality measurement using eMeasures to assemble quality source data from Electronic Health Record sources.
22	Quality Measure Deployment	<p>Quality ACE/ARB eMeasure Utilization</p> <p>MU: Improving Quality, Safety, Efficiency and Reducing Health Disparities, Improving Population and Public Health</p>	This scenario demonstrates communication of quality eMeasure specifications and communication of quality data for measurement between physicians and between physicians and reporting bodies. The scenario also shows how government performance targets are communicated with clinical settings, and how information from providers can be reported to payers, government agencies and other quality measurement organizations.
23	Clinical Research	<p>Clinical Research</p> <p>MU: Improving Population and Public Health</p>	The scenario demonstrates how clinical research information can be gathered at the Site Investigators' site where patient care is delivered alongside pharmaceutical-sponsored clinical studies. The information so gathered is authenticated at the trial site, forwarded to the sponsor and archived in the site clinical trial document vault as part of the permanent source record of the trial.
24	Clinical Decision Support	<p>Care of the Stroke Patient in the Acute Care Setting</p> <p>MU: Improving Care Coordination Improving Quality, Safety, Efficiency and Reducing Health Disparities</p>	This scenario demonstrates how a professional practice framework and clinical documentation model can enhance clinical decision support. The demonstration uses a common professional practice framework and clinical documentation model.

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25	Care Coordination	Enhancing Care Delivery in a Vacation Community MU: Improving Care Coordination Improving Quality, Safety, Efficiency and Reducing Health Disparities	The scenario demonstrates how a patient can receive quality care at a destination that is not a frequent location where a 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. The scenario demonstrates efficient cross-community care delivery when all locations where a patient might have been treated are not known for sure.
26	Care Coordination	Subscription Services Facilitate Care Coordination MU: Improving Care Coordination	The scenario demonstrates how a physician can establish himself as the overall coordinator of a patient's care, e.g. a Medical Home designee, and use subscription services to receive notifications on any other care provider to this patient outside his own office. The scenario also demonstrates efficient cross-discipline care coordination for a patient
27	HIE Core Services	HIE Core Services MU: Improving Care Coordination Improving Quality, Safety, Efficiency and Reducing Health Disparities	This scenario is a demonstration of HIE Core Services and demonstrates the 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.
28	Clinical Research	Adverse Event Reporting – Physician Office MU: Improving Population and Public Health	The scenario demonstrates how drug utilization and adverse reaction information are exchanged and used to expediently trigger action by the Food and Drug Administration (FDA) to support drug safety in the industry. The demonstration will use IHE Profiles and HITSP constructs to demonstrate expedient drug safety reporting from the provider's office to the FDA.