

Interoperability Scenarios

Care Theme: Quality Measure Deployment

Act 22 - Quality ACE/ARB eMeasure Utilization

Scenario Primary Goal: To demonstrate communication of quality eMeasure specifications and communication of quality data for measurement between physicians and between physicians and reporting bodies.

Key Points:

- The scenario demonstrates 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
- Exchange of performance measurements between providers and payers for quality reporting
- The demonstration will use HITSP constructs to demonstrate quality measurement reporting.

Meaningful Use Relevance

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

MU Objective 4: Improving Population and Public Health

Measure Number Identifier	Meaningful Use Measure Title	Description	Measure Developer
PQRI 5 NQF 0081	Heart Failure: Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) Therapy for Left Ventricular Systolic Dysfunction (LVSD)	Percentage of patients aged 18 years and older with a diagnosis of heart failure and LVSD who were prescribed CE inhibitor or ARB therapy	American Medical Association sponsored Physician Consortium for Performance Improvement (AMA-PCPI) Contact Information: cpe@ama-assn.org

Clinical Workflow:

Quality measure for Heart Failure: ACE inhibitor/ARB Prescribed has been specified by AMA-PCPI and re-tooled to support electronic measurement from the EHR. This electronic measure is made available to clinicians and others involved quality reporting measures as Quality eMeasures. A patient with a diagnosis of heart failure comes in for a follow-up visit with her physician. The physician prescribes an ACE inhibitor or an ARB for patients with heart failure and depressed left ventricular systolic function.

The provider may use an EHR that assembles and submits Patient Level Quality Data for measurement using the HITSP Patient Level Quality Data Document Using HL7 Quality Reporting Document Architecture (QRDA) directly, or the provider may rely upon a third party to assemble the data on behalf of the organization such as an HIE or a Quality Report Processing Entity. The HIE has established an NHIN Gateway to support communications with Federal Agencies and other Quality Measure and Reporting Systems in support of its HIE members. On a defined periodic basis, Patient Level Quality Data is made available through the NHIN Gateway to Quality Measure and Reporting Systems.

The Quality Measure and Reporting System retrieves quality data made available through the NHIN Gateway. Data are analyzed in accordance with the eMeasure specification. Comparative quality reports are prepared and made available for required reporting to payers and comparative feedback is made available to the organizations submitting the quality measure data on their performance for the quality measures.

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
		NHIN HIEM	Health Information Event Messaging