Clinical Quality Framework

Public Health Task Force Hearing – Clinical Decision Support Panel
February 8th, 2017
11am-12:30pm ET

cqframework.info

Clinical Decision Support – Content Development

- Is there a need to automate the CDS for emerging public health threats?

  » EHR implementation cycles measure in months and years, not days and weeks

  » Implementation costs for CDS in each system are significant

- Development challenges include

  » Development of effective content

  » Change management

  » Content delivery

Clinical Decision Support – Content Sharing

- ## Content format

  - » Although a common format exists, most content is still in proprietary formats and/or services

- ## Terminology

  - » Terminologies vary by site

  - » Gaps encountered with development of new content

- ## Data Capture

  - » Required information is often not available in a structured way

  - » Requires the use of questionnaires or modification to user-interface to capture new information

Clinical Decision Support – Available Standards

- **Content standards**

  » Health eDecisions – Current HL7® V3 Standard

  – Seeing applications in CDS content as well as public health reporting, but not broadly implemented

  – Uses HL7® Virtual Medical Record (vMR) for patient information

  » HL7® FHIR® Clinical Reasoning – Emerging Standard (STU3)

  – Uses HL7® FHIR® for patient information

- **Service Standards**

  » HL7® Decision Support Service (DSS)

  – Service-oriented specification

  – Can use vMR for patient information

  » CDS Hooks – Emerging standard

  – Seeing support among EHR vendors

  – On the roadmap for FHIR® STU4