AHRQ Resources for Clinical Decision Support

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Overview

• Briefly summarize AHRQ’s current initiative on clinical decision support
• Highlight touchpoints with the draft MCBK “manifesto”
• Describe the demo planned for later today
Advancing evidence into practice through CDS and making CDS more shareable, standards-based, and publicly-available

Four components:

1. Engaging a stakeholder community

2. Creating prototype infrastructure for sharing CDS and developing CDS

3. Advancing CDS through demonstration and dissemination research

4. Evaluating the overall initiative
**Mission:** Demonstrate a system that supports new evidence-based standards of care, codifies Clinical Decision Support (CDS) artifacts based on those standards using an interoperable, international data standard, and shares the resulting CDS capabilities via an accessible, web-based tool.

**Activities:**
- **Repository**
  - Design and build an online software “repository” for hosting and sharing new CDS artifacts
- **Authoring**
  - Build a public facing, web-based CDS Authoring tool geared toward non-technical users
- **Artifacts**
  - Identify and codify new CDS artifacts for care, initially in the domain of cholesterol management and now moving to opioid focus
- **Pilot**
  - Pilot CDS artifacts in a live, clinical setting
- **Work Groups**
  - Convene external discussions focused on accelerating evidence into practice through CDS
Knowledge Translation into CDS

CDS Connect Lifecycle

CDS Community

Artifact is improved for the CDS community to use

Identifies need for a new CDS tool (known as an artifact)

Source(s)
Clinical practice guidelines
Peer reviewed articles
Local best practices
CQM(s)

Implement in health IT system and collect feedback

Publish artifact in CDS Connect

Build the CDS artifact using CDS authoring
Patient-Centered Clinical Decision Support (PCCDS)
Analytic Framework for Action (AFA) to Improve Healthcare Delivery and Outcomes

GOVERNANCE

PRIORITIZING
Evidence for Dissemination via PCCDS

MARKETPLACE

AUTHORING
PCCDS Interventions

LEARNING

IMPLEMENTING
PCCDS Interventions

LEGAL

MEASURING
PCCDS Impacts

Blumenfeld, PC CDS LN, 2017
Research Funding Opportunities

- [https://www.ahrq.gov/funding/fund-opps/index.html](https://www.ahrq.gov/funding/fund-opps/index.html)

- PA-18-792: “Advancing Evidence into Practice through Shared, Interoperable Clinical Decision Support Resources (U18)”
CDS Connect Demo Later Today…

• Led by Chris Moesel (MITRE)
  – Tour of the repository
  – Work through an example using the CDS Authoring Tool

• Happy to answer questions about...
  – APIs
  – CDS Hooks app
  – SMART on FHIR app
Resources

• AHRQ CDS Initiative
  – http://cds.ahrq.gov

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