New AHRQ Resources for Advancing Clinical Decision Support

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ONC Annual Meeting
December 1, 2017

Presentation Aims

- Provide an overview of AHRQ investment in clinical decision support, focusing on the CDS initiative launched in 2016

- Tie current AHRQ activities to the priorities for collaborative action outlined in the National Academy of Medicine special publication, "Optimizing Strategies for Clinical Decision Support"

AHRQ Clinical Decision Support

- Long history of AHRQ investment in CDS
- 2016 initiative based on patient-centered outcomes research and ACA legislative requirements (Sec 6301)

  – *(b) INCORPORATION OF RESEARCH FINDINGS.—The Office [AHRQ/OCKT], in consultation with relevant medical and clinical associations, shall assist users of health information technology focused on clinical decision support to promote the timely incorporation of research findings disseminated under subsection (a) into clinical practices and to promote the ease of use of such incorporation.*

  – *(c) FEEDBACK - The Office shall establish a process to receive feedback from physicians, health care providers, patients, and vendors of health information technology focused on clinical decision support, appropriate professional associations, and Federal and private health plans about the value of the information disseminated and the assistance provided under this section.*

Clinical Decision Support (2016-)
http://cds.ahrq.gov

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

Patient-Centered Clinical Decision Support Learning Network

CDS Connect

Patient-Centered CDS Learning Network

Patient-Centered Clinical Decision Support Learning Network

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Patient-Centered CDS ▾   **Resource Center ▾**   **Education ▾**   Search

PCCDS is CDS that supports *individual* patients and their approved care givers and/or care teams in health-related decisions and actions by leveraging information from PCOR findings and/or patient-specific information (e.g. patient-generated health data).

Get Started
Check out our Analytic Framework for Action

Get Connected
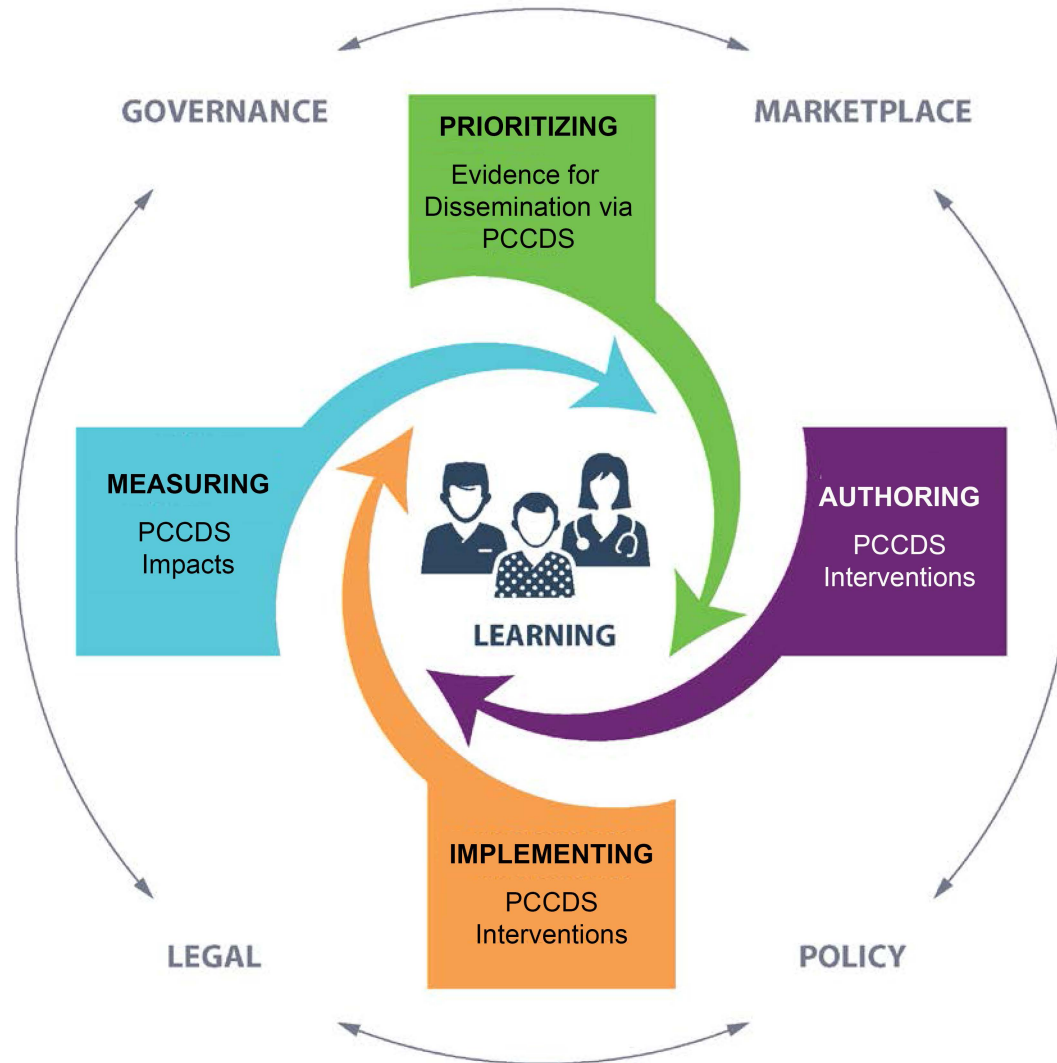Register (or Login)

Get Informed
Check out the PCCDS Resource Center

NEW PCCDS Journal
Open Access
Announcement

http://pccds-ln.org

Blumenfeld, PC CDS LN, 2017

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
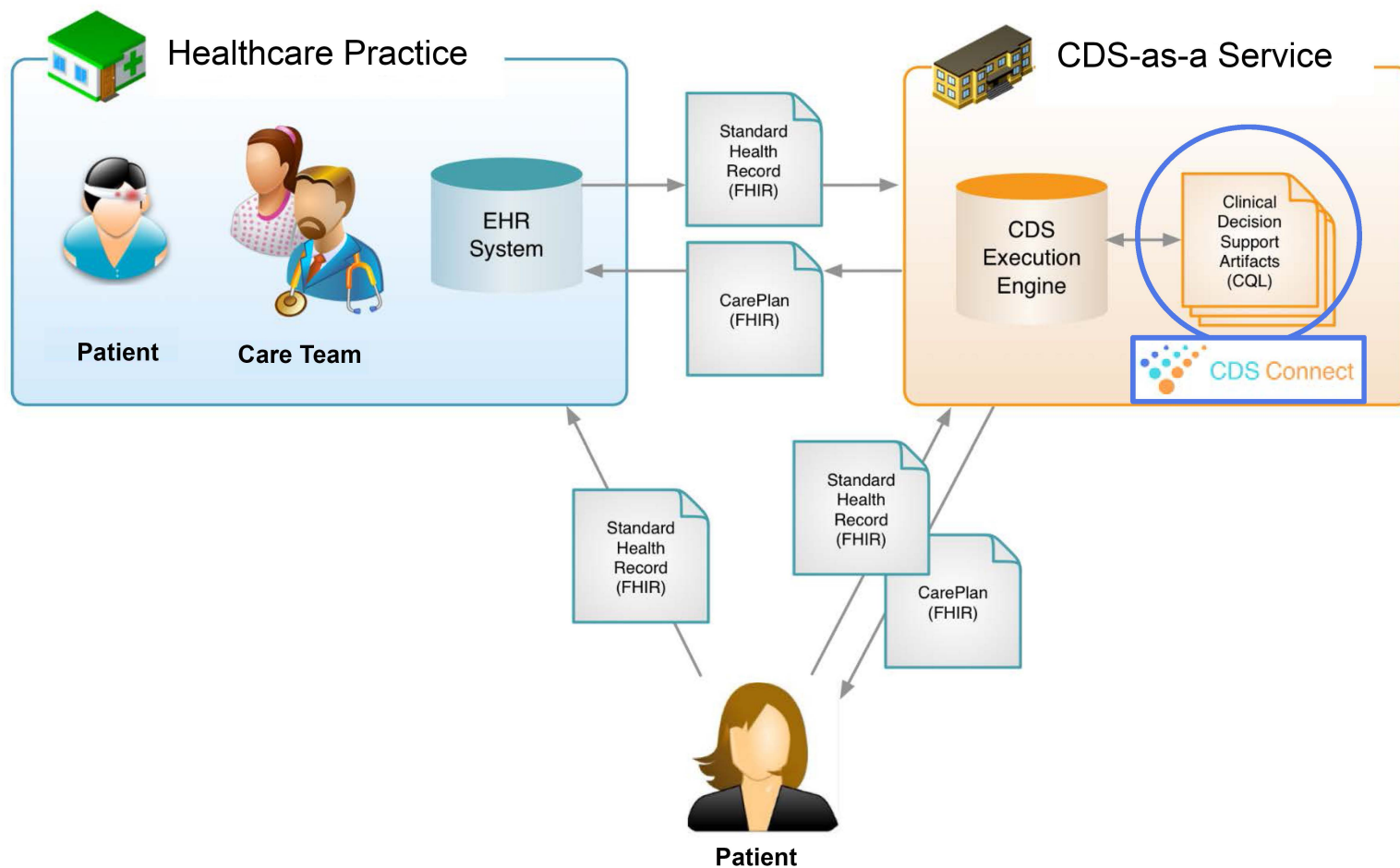- **Pilot**
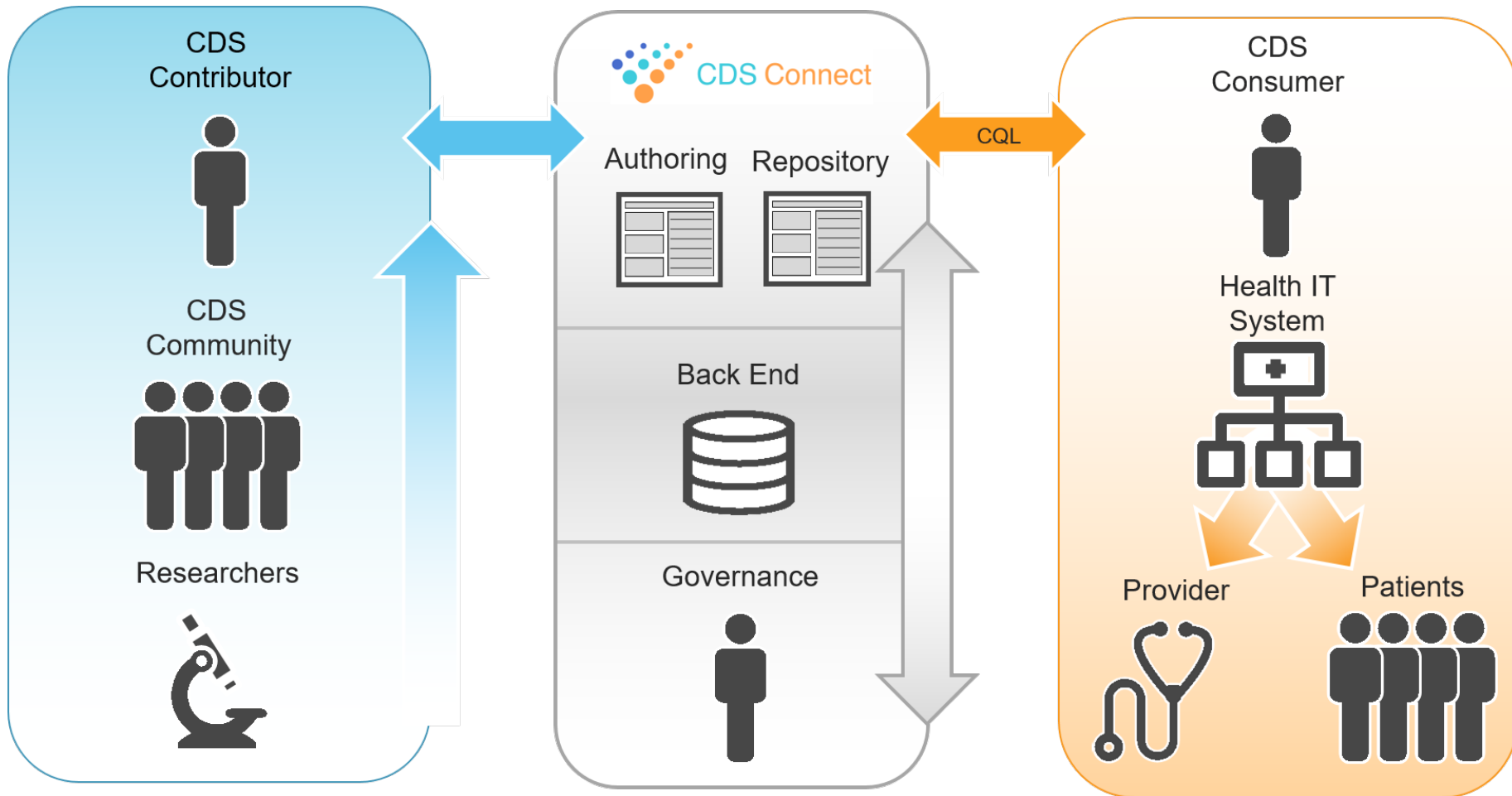 - ➤ Pilot CDS artifacts in a live, clinical setting
- **Work Groups**
  - ➤ Convene external discussions focused on accelerating evidence into practice through CDS

NEW!

Concept of Operations

Optimizing Strategies for Clinical Decision Support

Priorities for Collaborative Action

1. Establish CDS technical standards
2. Engage federal leadership for CDS standards innovation and maturation
3. Create a CDS technical information resource
4. Disseminate best practices
5. Create a national CDS repository
6. Measure CDS usage
7. Develop tools to assess CDS efficacy
8. Publish performance evaluations
9. Market CDS to stakeholders
10. Promote financing and measurement to accelerate CDS adoption
11. Create a legal framework for CDS
12. Develop a multi-stakeholder CDS learning community to inform usability
13. Establish an investment program for CDS research

Special Publication from the National Academy of Medicine, available at
https://nam.edu/optimizing-strategies-clinical-decision-support/

Resources

- AHRQ CDS Initiative
  - http://cds.ahrq.gov
  - Edwin.Lomotan@ahrq.hhs.gov

- AHRQ CDS funding opportunities:
  - https://www.ahrq.gov/funding/fund-opps/index.html
  - ClinicalDecisionSupport@ahrq.hhs.gov