

CDS

# CDS Overview

- Replace “clinical decision support rule” with “clinical decision support intervention.”
- Specifically require the use of CDS with the incorporation of a summary care record.
- HL7 Context-Aware Knowledge Retrieval (“Infobutton”)
- Capable of importing or updating value sets for the expression of CDS vocabulary elements using the HL7 Common Terminology Services.
- Enable a user to access the reference information relevant to patient context based on **each one or any combination** of the following:
  - Problem list;
  - Medication list;
  - Medication allergy list;
  - Demographics;
  - Laboratory tests and values/results; and
  - Vital signs.
- EHR technology must also be capable of generating interventions automatically and electronically when a user is interacting with the EHR technology.
- Availability of bibliographic information relevant to CDS rules.

# CDS Recommendations

- The change to "Clinical Decision Support Intervention" vs. "rule" is a good one providing a wider, more robust definition that doesn't focus on technical implementation.
- There is a lack of clear best practices in decision support and many separate ways to provide decision support (rules, alerts, screen design, specific naming conventions, UpToDate, formularies, computer-aided detection, etc.) requiring this relatively early infobutton standard as the "go to" standard is premature.
- Infobutton information based on clinical context can be incredibly complex calculations given the intrinsically probabilistic nature of medicine.
- Propose requiring a broader certification criteria such as; 5 examples of decision support and at least one set of decision support software build tools (rules engine, infobutton, expert system builder).