

## **Clinical Decision Support Work Group Mission and Charter Health Level Seven**

### **Mission**

This group supports the HL7 mission to create and promote its standards by working on issues related to single-patient-focused and population health care decision support capabilities. The work group will focus on development of standards to support system-agnostic implementations of clinical decision support, including messages, services, information models, and knowledge representation formalisms.

### **Charter**

The role of this work group is to (a) identify the scope and range of information models and knowledge representation formalisms required for the functionality of decision support capabilities; (b) work with other HL7 work groups or outside organizations to identify appropriate controlled vocabularies for encoding data elements required for decision support; and (c) identify or define messages, objects and services required to support the specific information exchange needs of decision support applications, both as feeders to decision support applications and as output from decision support applications.

### **Work Products and Contributions to HL7 Processes**

- Work on standards for representation and presentation of knowledge in health care decision support, including Decision Support Services, Infobuttons and Order Sets
- Work will include patient-centered monitoring, alerts and reminders
- Work will include population-centric monitoring and management, including support of quality measures and surveillance of disease and adverse events.
- Participate in the development of any standards for representation of clinical guidelines that may become part of HL7
- Maintain an expression language for clinical decision support
- Develop a data model specifically tailored for clinical decision support
- Identify existing HL7 messages and triggers that may be usable for decision support
- Contribute representations of messages and other objects required by decision support applications, including those between decision support and other applications, to the HL7 Reference Information Model
- Help develop authoring, demonstration and validation software tools for clinical decision support

### **Formal Relationships with Other HL7 Groups**

The Clinical Decision Support Work Group maintains a strong working relationship with the Arden Syntax Work Group, insofar as the Arden Syntax is a particular knowledge formalism for health care decision support. This work group also collaborates with the Clinical Genomics, Orders and Observations, Patient Care and Structured Documents work groups on projects that have decision support dimensions.

### **Formal Relationships with Groups Outside of HL7**

This work group collaborates with the Object Management Group on standards related to the Healthcare Services Specification Project.

**Date of Last Revision**

17 March 2011