

Cerner Corporation

Clinical Decision Support Technical Workshop

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CPOE: Thursday, 12 February 2014

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Clinical Decision Support Technical Workshop

- Cerner supports national standards for decision support and best practice guidelines
- Supportive of standards for
 - Content
 - Structure
 - Formatting

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- Health IT industry needs standards for;
 - Medication Process
 - Prescribing, Interactions, Administration, dispensing
 - Order Sets
 - Standard order sets for certain diseases
 - Clinical Pathways
 - Decision Support Rules

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- The deeper the content can be embedded in the software the richer the functionality
- Embedding options:
 - Access the content through an interface – API call
 - Content can be uploaded into the 'core software tables'
 - *First option preferred due to maintenance issues*

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- Vendor perspective key needs
 - Content is structured in a standard format
 - Uses standard nomenclatures / vocabularies behind all fields
 - Eg: SNOMED CT, ICD10 AM
 - Discrete and atomic

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- Requirements for standards in decision support
 - Nomenclature
 - Mapping terms to one source term;
 - Coronary Artery Bypass Graft
 - Bypass Graft
 - CAGS
 - CABGS
 - Standard functions – Orders, Results, ...
 - Interface standards
 - Discrete and atomic data elements
 - Medication Orders; dosage, units, frequency, etc must be separate

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Thank You

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