CDS Intervention Typology*

[content needs to be updated when this HIMSS content is finalized]


**CDS during data-entry tasks**

**Smart Documentation Forms**
- I. Includes checklists, risk assessments, facilitated documentation for a given problem, conditional workup sheet

**Order Sets, Care Plans and Protocols**
- II. Includes complex order variations like TPN
- III. Includes both regular order sets and conditional/intelligent ones
- IV. Includes helpers that take you to the various ‘order sets’ that are part of a multi-step pathway

**Parameter Guidance**
- V. Includes dosage guidance and recommended-dose lists (possibly adjusted for various patient conditions)
- VI. Includes displays that help guide an order, e.g., displays of hematocrit and crossmatch status when ordering blood products

**Warnings and Critiques**
- VII. Order warnings (e.g., drug-drug interactions, allergy warnings)
- VIII. Critiques and advice related to an immediate entry (e.g., additional fields to enter for complete radiology ordering, request for reason for ordering certain antibiotics)
- IX. Includes consequent (corollary) orders

**CDS during data-review tasks**

**Relevant Data Displays (Single-patient)**
- X. Includes health maintenance flowsheets, quality-metric status sheets – to tell you what is needed for this patient overall or for a certain aspect of care

**Multi-patient Monitors and Dashboards**
- XI. Includes whole-unit monitors, ED tracking systems, OR status displays, whole-panel immunization displays, etc.

**Predictive and Retrospective Analytics**
- XII. Retrospective displays of performance, control charts, benchmarks, for strategic guidance and problem-spotting
- XIII. Includes syndromic surveillance tools
**CDS during assessment and understanding tasks**

*Filtered Reference Information and Knowledge Resources*

XIV. Includes infobuttons, data- or event-sensitive reference information, patient-education programs

*Expert Workup Advisors*

XV. Includes diagnostic systems and antibiotic advisors, generally interactive processes that make broad recommendations based on data and/or user input

**CDS not triggered by a user task**

*Alerts (Data-triggered) and Reminders (Time-triggered)*

XVI. Focused advice and warnings triggered by non-user-entered data (e.g., lab results) or by the passage of relative or absolute time (no mammogram in two years, no hemoglobin A1C in one year)