

The SMART C-CDA Collaborative



1. OUTREACH









MU 2 requirements



10 Group Meetings



Via webinars & online discussions



Ideas for C-CDA examples



40+ C-CDAs Posted

At github.com/chb/ sample_ccdas/





XML examined

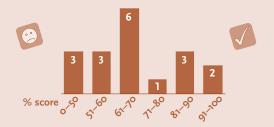
>1,000 Aspects

Heterogeneity observed

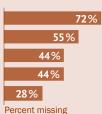
2. EVALUATION*

SMART C-CDA SCORECARD[†]

Number of Documents in Each Score Range



MISSING DATA



72% Medication Sig
Allergy Severity
Marital Status
Result Interpretation
Med Route

TERMINOLOGY



All Problems in SNOMED



Codified Allergic Reactions





Uses UCUM for Results & Vitals

ERRORS

Example: Excess Precision

<effectiveTime value="20131202000000+500" />

Trailing zeroes present when only date known Did event really happen at stroke of midnight?

Full error list: bit.ly/smart-ccda-findings, pages 5-9

*Source: Single C-CDA from 18 MU2-compliant EHR/HIE technologies †SMART C-CDA Scorecard: ccda-scorecard.smartplatforms.org

3. IMPROVEMENT

930 Minutes Spent

with

11 Individual Vendors



reviewing document quality

6 Key Challenges

- 1. Smoking history
- 2. Problem status & timing
- 3. Medication dose & timing
- 4. Medication allergies & reactions
- 5. Highly structured lab results
- 6. Highly structured vital signs

