Best Practices with C-CDA

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Today’s Presenter

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Today’s Outline

This session will explore a number of topics relevant to implementations using C-CDA for patient summaries and transitions of care.

- Where do I find the standard and C-CDA experts?
- Where do I ask questions about the standards?
- Where can I learn more about the CDA standard?
- What are the changes between C-CDA 1.1 and 2.0?
- Where can I find samples for sections used in C-CDA?
- Where can I find the value sets (codes) used in C-CDA?
- Where do I post issues I’m having with the standard?
- How do I help make it a better standard?
Where do I find the standards?

Health Level Seven International

HL7 standards are now licensed at no cost.*
Simply create an account or become a member to download the standards at HL7 International.

*Note: Some restrictions apply on how the standards may be used and distributed.
Where are the C-CDA Experts?

One of the best locations to look, is the Structured Documents Work Group at HL7. Home of the CDA and C-CDA Standards, this volunteer group created these standards and continues to work on them.

HL7 List Service - Structured Documents

Conference calls – Thursday at 10:00 AM Eastern
If I have questions about C-CDA?

There are a number of options:

**HL7 provides a Help Desk Service**

Access to the Help Desk is free to HL7 members and available by subscription to non-members.

**Another option is the HL7 List Serv**

Access to the list serv is free, but answers represent individual member opinions.

**Working Group Meetings / Workshops**

Direct access to the experts, with workshops.
To learn more about C-CDA?

There are a number of groups that provide training on CDA and C-CDA.

I like to recommend the HL7 Training Options

  Working Group Meetings – 4-8 CDA Courses
  Workshops on MU & C-CDA – 3 times a year
C-CDA 1.1 Vs. C-CDA 2.0

C-CDA R1.1 contents:

1. US Realm Header          V1.1
2. Continuity of Care Document (CCD)                   V1.1
3. Consultation Notes                                              V1.1
4. Discharge Summary                                            V1.1
5. Diagnostic Imaging Reports (DIR) - US Realm   V1
6. History and Physical (H&P)                                 V1.1
7. Operative Note                                                    V1.1
8. Procedure Note - US Realm                               V1
9. Progress Note                                                     V1.1
10. Unstructured Documents                                    V1.1
## C-CDA R2.0 contents:

1. US Realm Header          V2
2. Care Plan                  **New**
3. Continuity of Care Document (CCD)       V2
4. Consultation Notes              V2
5. Discharge Summary            V2
6. Diagnostic Imaging Reports (DIR) - US Realm V2
7. History and Physical (H&P)     V2
8. Operative Note               V2
9. Procedure Note - US Realm      V2
10. Progress Note               V2
11. Referral Note               **New**
12. Transfer Summary            **New**
13. Unstructured Documents     V2
14. US Realm Header - Patient Generated Document **New**

See Table 5: High-Level Change Log in C-CDA Vol1 – Intro - Page 44
Where can I find samples?

There are some samples in the C-CDA IG, however there are many more provided by the CDA Example Task Force!

With currently 40 sample sections and with more under development


Credit to Brett Marquard for leading the charge!
Where can I find samples?

1. Active Problem
2. Allergy to Drug Class
3. Allergy to Specific Drug
4. Antibiotic Administered with Normal Saline (i.e. in hospital)
5. Coverage Activity referencing the holder's employer
6. Current Smoker in Smoking Status
7. Drug intolerance with multiple reactions (codeine)
8. Drug intolerance with multiple reactions (epinephrine)
9. Family History; generic history (not scoped to individuals)
10. Family History; two individuals with the same relationship to the patient
11. Food allergy (Egg)
12. Former Smoker in Smoking Status
13. Hospital Discharge Encounter with Billable Diagnoses
14. Never Smoker in Smoking Status
15. No Information Problems Section
16. No Information Specific Entry within a Section that requires entries
17. No Known Allergies with Author Timestamp
18. No Known Medication Allergies with Author Timestamp
19. No Medications
20. Normal Family History; Father deceased with conditions; Mother alive with no conditions
Where can I find samples?

21. Normal Family History; Father deceased with conditions; Mother alive with no conditions
22. Panel of Vital Signs in Metric Units
23. Panel of Vital Signs in Mixed Metric/Imperial Units
24. Patient Prescribed Medication Every 4-6 Hours
25. Patient prescribed oral medication QID PRN without precondition specified
26. Patient Reported Medication without Reported Brand/Dose
27. Patient with No Known Problems
28. Problem which has been resolved/completed
29. Procedure Activity Act Example in Procedures Section
30. Procedure Activity Procedure Example in Procedures Section
31. Procedures Activity Observation Example in Procedures Section
32. Propensity to adverse reaction to substance (Latex)
33. Result panel with the display of two ordinal values of negative/positive
34. Result Which Requires Translation for its Unit Represented in UCUM
35. Result with a pending component
36. Result with an unstructured string as the value (e.g. urine color)
37. Result with greater than a specified value
38. Result with less than a specified value
39. Single Administration of Medication (at Single Point in Time)
40. Unknown Patient Immunization Status
Where can I find the value sets?

All value sets are identified in the C-CDA standard, but they will soon be available via...

The US National Library of Medicine’s Value Set Authority Center or “VSAC”

VSAC will provide downloadable access to all official versions of vocabulary value sets referenced by the C-CDA.
Where to post issues?

If you find an issue with C-CDA IG, you can post them on the HL7 DSTU Comment Page.
Where to post issues?

If you find an issue with C-CDA IG, you can post them on the HL7 DSTU Comment Page.

SDWG will review all posted issues to determine if there is a need for an:
- Errata, a technical correction to the standard
- Enhancement, a future feature in later releases or
- Sample Development, to share how it works
How to make the standards better?
For more information...

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