

Implementation Guide for CDA Release 2
CDA IG Consolidation
Working Group Draft

**PROTOTYPE: FOR DISCUSSION
AND DEMONSTRATION USE ONLY**

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Acknowledgments

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Chapter

1

DOCUMENT TEMPLATES

Topics:

- [*Consultation Request*](#)
- [*Consultation Summary*](#)
- [*Discharge Instructions*](#)
- [*Discharge Summary*](#)

This section contains the document level constraints for CDA documents that are compliant with this implementation guide.

Consultation Request

[ClinicalDocument: templateId 2.16.840.1.113883.3.1275.1.1.4.1]

1. **SHALL** conform to *Consol General Header Constraints* template (templateId: 2.16.840.1.113883.10.20.22.1.1)
2. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Allergies Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.6)
3. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Assessment And Plan Section* (templateId: 2.16.840.1.113883.10.20.22.2.9)
4. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol History Of Present Illness Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.3.4)
5. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Physical Exam Section* (templateId: 2.16.840.1.113883.10.20.2.10)
6. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Reason For Referral Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.3.1)
7. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Medications Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.1)
8. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Problem Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.5)
9. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Procedures Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.7)
10. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Results Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.3)
11. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Advance Directives Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.21)
12. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Encounters Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.22)
13. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Family History Section* (templateId: 2.16.840.1.113883.10.20.22.2.15)
14. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Functional Status Section* (templateId: 2.16.840.1.113883.10.20.22.2.14)
15. Contains zero or one [0..1] **component**, such that

- a. Contains exactly one [1..1] *Consol Immunizations Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.2)
- 16. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Medical Equipment Section* (templateId: 2.16.840.1.113883.10.20.22.2.23)
- 17. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Plan Of Care Section* (templateId: 2.16.840.1.113883.10.20.22.2.10)
- 18. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Social History Section* (templateId: 2.16.840.1.113883.10.20.22.2.17)
- 19. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Vital Signs Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.4)
- 20. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Chief Complaint Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.1.13.2.1)
- 21. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Chief Complaint And Reason For Visit Section* (templateId: 2.16.840.1.113883.10.20.22.2.13)
- 22. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol General Status Section* (templateId: 2.16.840.1.113883.10.20.22.2.5)
- 23. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol History Of Past Illness Section* (templateId: 2.16.840.1.113883.10.20.22.2.20)
- 24. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Payers Section* (templateId: 2.16.840.1.113883.10.20.22.2.18)

Consultation Request example

Consultation Summary

[ClinicalDocument: templateId 2.16.840.1.113883.3.1275.1.1.3.1]

1. **SHALL** conform to *Consol General Header Constraints* template (templateId: 2.16.840.1.113883.10.20.22.1.1)
2. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Allergies Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.6)
3. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Medications Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.1)
4. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Problem Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.5)

5. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Results Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.3)
6. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Advance Directives Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.21)
7. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Encounters Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.22)
8. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Family History Section* (templateId: 2.16.840.1.113883.10.20.22.2.15)
9. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Functional Status Section* (templateId: 2.16.840.1.113883.10.20.22.2.14)
10. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Immunizations Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.2)
11. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Procedures Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.7)
12. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Medical Equipment Section* (templateId: 2.16.840.1.113883.10.20.22.2.23)
13. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Payers Section* (templateId: 2.16.840.1.113883.10.20.22.2.18)
14. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Plan Of Care Section* (templateId: 2.16.840.1.113883.10.20.22.2.10)
15. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Social History Section* (templateId: 2.16.840.1.113883.10.20.22.2.17)
16. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Vital Signs Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.4)

Consultation Summary example

Discharge Instructions

[ClinicalDocument: templateId 2.16.840.1.113883.3.1275.1.1.2.1]

1. **SHALL** conform to *Consol General Header Constraints* template (templateId: 2.16.840.1.113883.10.20.22.1.1)
2. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Plan Of Care Section* (templateId: 2.16.840.1.113883.10.20.22.2.10)

3. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Allergies Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.6)
4. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Problem Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.5)
5. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Hospital Discharge Medications Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.11)
6. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Advance Directives Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.21)
7. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Immunizations Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.2)
8. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Medical Equipment Section* (templateId: 2.16.840.1.113883.10.20.22.2.23)
9. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Advance Directives Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.21)

Discharge Instructions example

Discharge Summary

[ClinicalDocument: templateId 2.16.840.1.113883.3.1275.1.1.1.1]

1. **SHALL** conform to *Consol General Header Constraints* template (templateId: 2.16.840.1.113883.10.20.22.1.1)
2. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Allergies Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.6)
3. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Hospital Course Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.3.5)
4. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Hospital Discharge Diagnosis Section* (templateId: 2.16.840.1.113883.10.20.22.2.24)
5. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Hospital Discharge Medications Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.11)
6. Contains exactly one [1..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Plan Of Care Section* (templateId: 2.16.840.1.113883.10.20.22.2.10)
7. Contains exactly one [1..1] **component**, such that

- a. Contains exactly one [1..1] *Consol Problem Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.5)
- 8. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Chief Complaint Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.1.13.2.1)
- 9. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Chief Complaint And Reason For Visit Section* (templateId: 2.16.840.1.113883.10.20.22.2.13)
- 10. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Discharge Diet Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.3.33)
- 11. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Family History Section* (templateId: 2.16.840.1.113883.10.20.22.2.15)
- 12. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Functional Status Section* (templateId: 2.16.840.1.113883.10.20.22.2.14)
- 13. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol History Of Present Illness Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.3.4)
- 14. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Hospital Discharge Physical Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.3.26)
- 15. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Hospital Discharge Studies Summary Section* (templateId: 2.16.840.1.113883.10.20.22.2.16)
- 16. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Procedures Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.7)
- 17. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Reason For Visit Section* (templateId: 2.16.840.1.113883.10.20.22.2.12)
- 18. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Review Of Systems Section* (templateId: 1.3.6.1.4.1.19376.1.5.3.1.3.18)
- 19. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Social History Section* (templateId: 2.16.840.1.113883.10.20.22.2.17)
- 20. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Vital Signs Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.4)
- 21. Contains zero or one [0..1] **component**, such that
 - a. Contains exactly one [1..1] *Consol Immunizations Section Entries Optional* (templateId: 2.16.840.1.113883.10.20.22.2.2)

Discharge Summary example

Chapter

2

SECTION TEMPLATES

Chapter

3

CLINICAL STATEMENT TEMPLATES

This section of the Implementation Guide details the clinical statement entries referenced in the document section templates. The clinical statement entry templates are arranged alphabetically.

Chapter

4

OTHER CLASSES

This section of the Implementation Guide describes other classes that are not CDA Clinical Documents, Sections, or Clinical Statements.

Chapter

5

VALUE SETS

The following tables summarize the value sets used in this Implementation Guide.

REFERENCES

- HL7 Implementation Guide: CDA Release 2 – Continuity of Care Document (CCD) A CDA implementation of ASTM E2369-05 Standard Specification for Continuity of Care Record® (CCR) April 01, 2007 available through [HL7](#) .
- HL7 Implementation Guide for CDA Release 2 Quality Reporting Document Architecture (QRDA) Draft Standard for Trial Use March 2009. Available at: [Quality Reporting Document Architecture \(QRDA\)](#)
- HL7 Implementation Guide for CDA Release 2 CDA for Public Health Case Reports (PHCR) Informative Standard October 2009. Available through [HL7](#) .
- HL7 Implementation Guide for CDA Release 2: NHSN Healthcare Associated Infection (HAI) Reports, Release 2 Draft Standard for Trial Use January 2009 Available at: [NHSN Healthcare Associated Infection \(HAI\) Reports](#)
- Dolin RH, Alschuler L, Boyer S, Beebe C, Behlen FM, Biron PV, Shabo A, (Editors). HL7 Clinical Document Architecture, Release 2.0. ANSI-approved HL7 Standard; May 2005. Ann Arbor, Mich.: Health Level Seven, Inc. Available through [HL7](#) or if an HL7 member with the following link: [CDA Release 2 Normative Web Edition](#).
- [LOINC®](#) : Logical Observation Identifiers Names and Codes, Regenstrief Institute.
- [SNOMED CT®](#) : SNOMED Clinical Terms SNOMED International Organization.
- Extensible Markup Language, www.w3.org/XML .
- Dolin RH, Alschuler L, Boyer S, Beebe C, Behlen FM, Biron PV, Shabo A., HL7 Clinical Document Architecture, Release 2. J Am Med Inform Assoc. 2006;13:30-39. Available at: <http://www.jamia.org/cgi/reprint/13/1/30> .
- Using SNOMED CT in HL7 Version 3; Implementation Guide, Release 1.5. Available through [HL7](#) or if an HL7 member with the following link: [Using SNOMED CT in HL7 Version 3](#)

