

In-Patient Setting

I. INTRODUCTION

This document contains sample test data that can be used for the certification towards objective 170.315(b)(1). This section of the Code of Federal Regulations Title 45 documents the required Health IT technology to be able to create, send and receive a summary care record formatted according to the Consolidated CDA (C-CDA) Release 2.1 and be able to receive a summary care record formatted according to the C-CDA Release 1.1.

A) Test of 45 CFR 170.315 (b) (1)

The following is the summary of test data presented herein for 170.315(b)(1) criteria.

Conventions used in the document:

1. The test data outlined below has both required and optional data that is specified to help the vendors create C-CDA's with the appropriate context and follow the HL7 C-CDA best practices. The optional data is indicated by enclosing them in []. For e.g. [Medical Record Custodian] or [Allergy Substance].
 - a. When a narrative or text block is surrounded by [] the entire narrative block is optional.
 - b. When a column heading is surrounded by [] the data represented by the column is optional. For e.g. [Allergy Substance], the display name is optional.
 - c. When the data within a table cell is surrounded by [] the data within the cell is optional. For e.g. The information recipient Dr Albert Davis is optional from a certification standpoint. Vendors can include it in their C-CDA's to comply with HL7 C-CDA IG and best practices.

| | |
|---------------------------|---------------------|
| [Information Recipient] | [Dr Albert Davis] |
|---------------------------|---------------------|

- d. The C-CDA IG allows display names and text elements to be optionally included in the structured entries. Hence the above optional markings designated by [] in the test data are with respect to the structured entries in the XML. If a certification criteria requires visual display of the structured data (for e.g View, Download and Transmit - VDT), then the vendors have to display the coded data elements in their English representation. For example Medication Name, Problem Name, Vital Sign Name which are English representations of the coded data have to be displayed for the VDT criteria even though they are marked optional in the test data.
2. Additional clarifications are added with the keyword **"Note"**.

3. Data that needs to be visually inspected by the ATL's in the generated C-CDA's are indicated by the key word "**Visual Inspection**".
4. Guidance for No Information Sections: When the test data instructions specify "No Information" for certain data elements, vendors are expected to use the HL7 recommended best practices to represent the information. However vendors don't have to include sections and entries not required by the document template to represent "No information".
5. Guidance to Change Test Data: Vendors can work with their ATLs to change the test data specified below. ATLs have been provided a document on how to use the test tools to verify SUT's capabilities when the test data is changed. This document has also been posted as part of ETT Google Group thread: https://groups.google.com/forum/#!topic/edge-test-tool/fDYr_kqp9_g

To exemplify 170.315 (b) (1), the following clinical scenario will be employed.

Document Narrative:

[Mr. John Wright is a 35 year old male who is healthy and visits Community Health Hospitals on 7/22/2015 6pm EST due to a skin burn. The doctor examines the burn, applies the needed dressing and discharges the person after a few hours.]

Note: The test data provided in the document was captured during this encounter including historical data. The contextual data provided is to help the vendors create their C-CDA documents using appropriate data. Vendors can ignore the contextual data if it is not required for C-CDA generation; however the generated C-CDA is expected to contain the data relevant to the criteria as specified in the regulation.

II. HEADER DATA

Note: The following data is part of the medical record header identifying the contextual information necessary when exchanging data.

A) USCDI Data Class/Element: Patient Demographics

| USCDI Data Elements | Contextual Data Elements required for the Medical Record encoding to C-CDA IG | Details | Additional Information |
|--|---|---|------------------------|
| Patient Name (First Name, Last Name, Previous Name, Middle Name, Suffix) | | First Name: John Last Name: Wright Middle Initial:R Previous Name: Suffix: jr | |
| Birth Sex | | Male (M) | |
| Date of Birth | | 8/1/1980 | |
| Race | | Unknown | |

| USCDI Data Elements | Contextual Data Elements required for the Medical Record encoding to C-CDA IG | Details | Additional Information |
|-------------------------|---|--|------------------------|
| More Granular Race Code | | Unknown | |
| Ethnicity | | Unknown | |
| Preferred Language | | English (en) | |
| Current Address | Home Address | 1357, Amber Dr, Beaverton, OR-97006 | |
| Phone Number | | Mobile: 555-777-1234 Home: 555-723-1544 | |

B) Relevant Information regarding the Visit

Note: The information in this table is provided for context and to help populate the required elements in the C-CDA Header along with any certification program data elements.

| USCDI Data Elements | Contextual Data Elements required for medical record encoding to C-CDA | Details | Additional Information |
|---------------------|--|---|--|
| | Providers Name | Dr Henry Seven First Name: Henry Last Name: Seven | [Dr Seven and his staff work for Community Health and Hospitals 1002, Healthcare Dr, Portland, OR-97266] |
| | Office Contact Information | Mary McDonald First Name: Mary Last Name: McDonald Telephone: 555-555-1002 | |
| | [Author/Legal Authenticator/ Authenticator of Electronic Medical Record] | [Dr Henry Seven Date: 7/22/2015] | |
| | [System that generated the document] | [Community Health and Hospitals Practice EMR] | |
| | [Informants] | [Kathy Wright (Spouse) First Name: Kathy Last Name: Wright] | |
| | [Medical Record Custodian] | [Community Health and Hospitals] | |

| USCDI Data Elements | Contextual Data Elements required for medical record encoding to C-CDA | Details | Additional Information |
|---------------------|--|--|--|
| | [Information Recipient] | [Dr Henry Seven] | |
| | Admission Date | 7/22/2015 6pm EST | |
| | Discharge Date | 7/22/2015 11pm EST | |
| Care Team Members | Care Team Members | Dr Henry Seven Mary McDonald | |
| | [Other Participants in event] | [Mr Mathew Wright (Grand Parent) First Name: Mathew Last Name: Wright Ms Kathy Wright (Spouse) First Name: Kathy Last Name: Wright. (Same address information as Mr John Wright for both Mathew and Kathy).] | |
| | [Event Documentation Details or Documentation of Event] | [Dr Henry Seven (PCP) 5 hour encounter Event Code = Burn by Fire] | [Code for Burn by Fire: 423123007, Code System: SNOMED-CT] |

III. BODY DATA

Note: The following data is part of the medical record details identifying the relevant clinical data captured as part of the visit.

- A) USCDI Data Class/Element: Allergies and Intolerances
 - a. No known Allergies and Intolerances

Note: Allergies and Intolerances are to be represented using the Allergies and Intolerances Section.

- B) USCDI Data Class/Element: Medications
 - a. No known Medications.

- C) USCDI Data Class/Element: Problems
 - a. No known Problems

- D) Encounter Diagnoses

Note: Encounter Diagnoses can be represented by either SNOMED-CT or ICD-10. So SUT can choose either the ICD-10 code or the SNOMED-CT code as appropriate from the table below based on the CodeSystem supported.

| Code | CodeSystem | [Description] | Start Date | [Service Delivery Location] |
|-----------------------|------------|--|------------|--|
| T23.1 | ICD-10 | Burn of first degree of wrist and hand | 7/22/2015 | Community Health and Hospitals 1002, Healthcare Dr, Portland, OR-97266 |
| 211896002 | SNOMED-CT | First degree burn of multiple sites of wrist or hand | 7/22/2015 | Community Health and Hospitals 1002, Healthcare Dr, Portland, OR-97266 |

E) USCDI Data Class/Element: Procedures

Note: Target Site is provided for context, vendors may or may not choose to include this as part of the C-CDA entries. Date is to be represented using the effectiveTime data element in the Procedure Activity Procedure entry.

| Code | CodeSystem | [Procedure Name] | [Target Site] | [Date] | [Service Delivery Location] |
|----------|------------|----------------------------------|--|-----------|--|
| 90660004 | SNOMED-CT | Application of Dressing for burn | 281737009 (Skin of part of forearm) – SNOMED CT code | 7/22/2015 | Community Health and Hospitals 1002, Healthcare Dr, Portland, OR-97266 |

F) USCDI Data Class/Element: Immunizations

a. No Immunization history

G) USCDI Data Class/Element: Vital Signs

| Code | Code System | [Vitals Name] | Date | Value and Units |
|--------------------|-------------|--------------------------|---------------------------|---------------------------|
| 8302-2 | LOINC | Height | 7/22/2015 [6:10 pm EST] | Value=177 Units=cm |
| 29463-7 | LOINC | Weight | 7/22/2015 [6:10 pm EST] | Value=88 Units=kg |
| 8462-4 (Diastolic) | LOINC | Blood Pressure-Diastolic | 7/22/2015 [6:15 pm EST] | Value=88 units=mm[Hg] |
| 8480-6 (Systolic) | LOINC | Blood Pressure-Systolic | 7/22/2015 [6:15 pm EST] | Value=145 units=mm[Hg] |
| 8310-5 | LOINC | Body Temperature | 7/22/2015 [6:20 pm EST] | Value=38 Units=Cel |

H) USCDI Data Class/Element: Laboratory Test

a. No Lab Tests Information.

I) USCDI Data Class/Element: Laboratory Values/Results

a. No Lab Results Information.

J) USCDI Data Class/Element: Smoking Status

Note: The C-CDA IG specifies how Smoking Status has to be represented using a combination of Tobacco Use and Smoking Status templates. Vendors are expected to follow the C-CDA IG to encode these data elements appropriately

| Element Description | [Description] | Start Date | End Date | Code | Code System |
|------------------------|-------------------|------------|----------|-----------|-------------|
| Current Smoking Status | Current every day | 7/22/2015 | - | 449868002 | SNOMED-CT |

K) USCDI Data Class/Element: Unique Device Identifiers for a Patient's Implantable Device(s)

a. No implanted devices

L) USCDI Data Class/Element: Assessment and Plan of Treatment:

- a. **Assessment (Visual Inspection** – ATL’s need to visually inspect the System Under Test (SUT) generated C-CDA for the below narrative content)
 - i. The patient Mr John Wright was found to have first degree burns and Dr Seven and his staff treated Mr Wright by cleaning the burn and dressing the burn and observed for couple of hours before discharging Mr Wright.
- b. **Plan of Treatment (Visual Inspection** – ATL’s need to visually inspect the System Under Test (SUT) generated C-CDA for the below narrative content)
 - i. Schedule an appointment with Dr Seven after 1 week for Follow up with Outpatient facility.
 - ii. In case of high fever, take Tylenol as needed.

M) USCDI Data Class/Element: Goals

- a. No information.

N) USCDI Data Class/Element: HealthConcerns

- a. No Information

O) Discharge Instructions (**Visual Inspection** – ATL’s need to visually inspect the System Under Test (SUT) generated C-CDA for the below narrative content)

- a. Appointments: Schedule an appointment with Dr Seven after 1 week. Follow up with Outpatient facility.
- b. In case of fever, take Tylenol as advised in plan of treatment.

P) Functional Status: No information

Q) Cognitive Status: No information

R) USCDI Data Class/Element: Clinical Notes (**Visual Inspection** – ATL’s need to visually inspect the System Under Test (SUT) generated C-CDA for the text content, the validator will validate the presence of the notes section and entry. Only the text content needs to be visually inspected.)

R.1 Discharge Summary Note:

Dr Henry Seven after treating Mr John Wright for the burns has discharged Mr Wright advising to keep fever under control and visit back after a week.