



Version: V6.1

§170.315(b)(10) Electronic Health Information export- Documentation

This document describes the details for §170.315(b)(10) Electronic Health Information export

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Overview

Capella EHR meets the certification criterion **§170.315(b)(10) Electronic Health Information export** by implementing the CCD Export for Single Patient and Bulk Export. This helps the clinical users to generate the Clinical Care Document for a single patient or for a group of patients in accordance with the standards specified in *§ 170.205(a)(4) HL7® Implementation Guide for CDA® Release 2: Consolidated CDA Templates for Clinical Notes (US Realm), Draft Standard for Trial Use Release 2.1, August 2015*

To achieve this, we have implemented,

- Single Patient Export and Bulk Patient Export in the CCD format which can be printed in Adobe PDF format.
- Ability to download the Images / Clinical notes on demand and can be printed in Adobe PDF format.

a. Single Patient Export

The screenshot shows a web interface titled "Clinical Summary". It features a "Data To Be Displayed" section with a sub-section "Automatically Displayed" containing "Patient details and Demographics" and "Provider name and contact Information". Below this is an "Encounter Details" section with a grid of checkboxes for various data points, all of which are checked. The checkboxes include: Reason Of Visit, Vitals, Clinical Instruction, Immunizations, Mental Status, Care Plan, Laboratory Test(s), Smoking Status, Allergy, Functional Status, Procedure(s), Laboratory Values/Results, Encounter, Goals, Assessment, Medication, Medications Administered During visit, Treatment Plan, Problem List, Reason for Referral, Implants, Health Concern, Lab Test, Laboratory Information, Patient Decision Aids, and Diagnostics Tests Pending. There are also checkboxes for "Future Scheduled Tests" and "Check All". At the bottom of this section are four buttons: "Launch API" (blue), "Generate Care Note" (blue), "Generate CCD" (green), and "Clear All" (red). Below the "Data To Be Displayed" section is a "Send Summary" section with a "Recipient" text box, a "+" icon, a "Message" text box, and a "Send" button (green). There is also an "Attachment" link and a scroll bar on the right side of the interface.

- The user can select one or more sections to be printed in the CCD of the Patient.
- Generate CCD button will print the Care document in Adobe PDF Format which is human readable as well as in CCD format.

Patient Chart Clinical Summary

| | | | |
|--|--------------------------------------|--------------------|-------------------------------|
| Patient | [REDACTED] | | |
| Date of Birth | [REDACTED] | Sex | [REDACTED] |
| Race | Declined to specify | | |
| Contact info | Primary Home: [REDACTED] | Patient IDs | 684267 2,16,840,1,113883,8375 |
| Document Id | 2023060041103 2,16,840,1,113883,8375 | | |
| Document Created: | June 1, 2023, 04:11:03 +0500 | | |
| Performer (attending physician) | [REDACTED] | | |
| Author | Dr. PHY, S. TEST, M.D. | | |
| Contact info | Work Place: [REDACTED] | | |
| Author | Capella EHR v5.1 | | |
| Contact info | Work Place: [REDACTED] | | |
| Entered by | MAL1 | | |
| Contact info | Work Place: [REDACTED] | | |
| Legal authenticator | [REDACTED] | | |
| Contact info | [REDACTED] | | |
| Document maintained by | TEST FACILITY | | |
| Contact info | Work Place: [REDACTED] | | |
| Preferred Language | English | | |

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b. Bulk Export

Bulk Export

Select Date Of Service Range

From Date: 03-Jul-2023 To Date: 03-Sep-2023

Provider: [REDACTED] Show All Physicians **Get**

| Select | Patient Account # | Patient Name | DOB | Gender | DOS |
|--------------------------|-------------------|--------------|------------|------------|-----------------------|
| <input type="checkbox"/> | 684267 | [REDACTED] | [REDACTED] | [REDACTED] | 7/6/2023 11:29:58 PM |
| <input type="checkbox"/> | 534070 | [REDACTED] | [REDACTED] | [REDACTED] | 7/11/2023 5:20:38 AM |
| <input type="checkbox"/> | 534070 | [REDACTED] | [REDACTED] | [REDACTED] | 7/13/2023 11:41:49 PM |
| <input type="checkbox"/> | 534070 | [REDACTED] | [REDACTED] | [REDACTED] | 7/13/2023 11:37:00 PM |
| <input type="checkbox"/> | 534070 | [REDACTED] | [REDACTED] | [REDACTED] | 7/14/2023 6:14:43 AM |

Generate **Close**

Export Scheduler

Destination Path: [REDACTED]

Non Recurring Recurring

Non Recurring

Export Date: 03-Sep-2023 Time: 11:18 PM

Recurring

Start Date: 03-Sep-2023 Time: 11:18 PM Frequency: [REDACTED]

- The user can select more than one patient based on the provider or appointments.
- Generate CCD button will print the Care document in Adobe PDF Format which is human readable and CCD format for all the selected patients.

CCD Output Format

Standard Referenced:

- § 170.205(a)(4) HL7® Implementation Guide for CDA® Release 2: Consolidated CDA Templates for Clinical Notes (US Realm), Draft Standard for Trial Use Release 2.1, August 2015

Sections in the CCD output

| Data Elements | XPATH / Entry | Code System | Code System Name |
|--|---|-------------------------|------------------------|
| Patient Demographics/Information | | | |
| Patient Name | patient/name | | - |
| Sex | patient/administrativeGenderCode | 2.16.840.1.113883.5.1 | AdministrativeGender |
| Date of Birth | patient/birthTime | | |
| Race | patient/raceCode | 2.16.840.1.113883.6.238 | Race & Ethnicity - CDC |
| Ethnicity | patient/ethnicGroupCode | 2.16.840.1.113883.6.238 | Race & Ethnicity - CDC |
| Preferred Language | patient/languageCommunication/languageCode | | |
| Provider's name and office contact information | | | |
| Performer | documentationOf/serviceEvent/performer/assignedEntity/assignedPerson/name | | |
| Performer | documentationOf/serviceEvent/performer/assignedEntity/telecom | | |
| Performer | documentationOf/serviceEvent/performer/assignedEntity/addr | | |
| Date and Location of visit [2.16.840.1.113883.10.20.22.2.22.1 : 2015-08-01] | | | |
| Encounter | entry/encounter/effectiveTime/@value | | |
| Encounter | entry/encounter/participant/participantRole/addr | | |
| Chief Complaint and Reason for visit [2.16.840.1.113883.10.20.22.2.13 : 2014-06-09] | | | |
| Patient visit details/complaints | | | |
| Encounters [2.16.840.1.113883.10.20.22.2.22.1 : 2015-08-01] | | | |
| Encounter Code and Code Description | 2.16.840.1.113883.10.20.22.4.49: 2015-08-01 | 2.16.840.1.113883.6.12 | CPT |
| Performer | | | |

| Data Elements | XPATH / Entry | Code System | Code System Name |
|--|--|---|---|
| Diagnosis | | 2.16.840.1.113883.6.96 and 2.16.840.1.113883.6.3 (translation code) | SNOMED and ICD10 |
| Location | | | |
| Date | | | |
| Immunizations [2.16.840.1.113883.10.20.22.2.2.1 : 2015-08-01] | | | |
| Vaccine | 2.16.840.1.113883.10.2 0.22.4.52: 2015-08-01 | 2.16.840.1.113883.12.2 92 and 2.16.840.1.113883.6.12 (translation code) | CVX and CPT-4 |
| Date | | | |
| Status | | | |
| Route | | 2.16.840.1.113883.3.26.1.1 | National Cancer Institute (NCI) Thesaurus |
| Site | | 2.16.840.1.113883.6.96 | SNOMED |
| Manufacturer | | | |
| Dose | | | |
| Lot Number | | | |
| Notes | | | |
| Instructions [2.16.840.1.113883.10.20.22.2.45 : 2014-06-09] | | | |
| Patient Instructions/Followup Reasons | 2.16.840.1.113883.10.2 0.22.4.20: 2014-06-09 | 2.16.840.1.113883.6.96 | SNOMED |
| Treatment Plan [2.16.840.1.113883.10.20.22.2.10 : 2014-06-09] | | | |
| (Diagnostic tests pending, Future appointments, Referrals to other providers, Future scheduled tests, Recommended patient decision aids) | | | |
| Planned Observation | 2.16.840.1.113883.10.2 0.22.4.44: 2014-06-09 | 2.16.840.1.113883.6.1 | LOINC |
| Planned Date | 2.16.840.1.113883.10.2 0.22.4.40: 2014-06-09 2.16.840.1.113883.10.2 0.22.4.39: 2014-06-09 2.16.840.1.113883.10.2 0.22.4.121 | | |
| Social History [2.16.840.1.113883.10.20.22.2.17 : 2015-08-01] | | | |
| Social History Observation | 2.16.840.1.113883.10.2 0.22.4.78: 2014-06-09 | 2.16.840.1.113883.6.1 | LOINC |
| Description | | 2.16.840.1.113883.6.96 | SNOMED |
| Dates Observed | | - | - |
| Problems [2.16.840.1.113883.10.20.22.2.5.1 : 2015-08-01] | | | |

| Data Elements | XPATH / Entry | Code System | Code System Name |
|--|---|---|------------------|
| Problem | 2.16.840.1.113883.10.2 0.22.4.3: 2015-08-01 | 2.16.840.1.113883.6.96 and 2.16.840.1.113883.6.3 (translation code) | SNOMED and ICD10 |
| Status | | | |
| Active date | | | |
| Medications [2.16.840.1.113883.10.20.22.2.1.1 : 2014-06-09] | | | |
| Medication | 2.16.840.1.113883.10.2 0.22.4.16: 2014-06-09 | 2.16.840.1.113883.6.88 and 2.16.840.1.113883.6.69 (translation code) | RxNorm and NDC |
| Directions | | | |
| Start Date | | | |
| End Date | | | |
| Status | | | |
| Medication Allergies [2.16.840.1.113883.10.20.22.2.6.1 : 2015-08-01] | | | |
| Substance | 2.16.840.1.113883.10.2 0.22.4.30: 2015-08-01 | 2.16.840.1.113883.6.88 | RxNorm |
| Reaction | | 2.16.840.1.113883.6.96 | SNOMED |
| Severity | | 2.16.840.1.113883.6.96 | SNOMED |
| Status | | 2.16.840.1.113883.6.96 | SNOMED |
| Laboratory Tests | | | |
| Test Code | | | |
| Code System | | 2.16.840.1.113883.6.1 | LOINC |
| Name | | | |
| Date | | | |
| Laboratory Information | | | |
| Lab Name | | | |
| Lab Address | | | |
| Test Report Date | | | |
| Test Performed | | | |
| Specimen Source | | | |
| Laboratory value(s)/result(s) [2.16.840.1.113883.10.20.22.2.3.1 : 2015-08-01] | | | |
| Result Type | 2.16.840.1.113883.10.2 0.22.4.1: 2015-08-01 | 2.16.840.1.113883.6.1 | LOINC |
| Result Value | | | |
| Relevant Reference Range | | | |
| Interpretation | | | |
| Date | | | |
| Vitals [2.16.840.1.113883.10.20.22.2.4.1 : 2015-08-01] | | | |

| Data Elements | XPATH / Entry | Code System | Code System Name |
|--|--|--|-----------------------------|
| Observation | 2.16.840.1.113883.10.2 0.22.4.26: 2015-08-01 | 2.16.840.1.113883.6.1 | LOINC |
| Observation Date/Time | | | |
| Goal [2.16.840.1.113883.10.20.22.2.60] | | | |
| Goal | 2.16.840.1.113883.10.2 0.22.4.121 | | - |
| Value | | | |
| Date | | | |
| Procedures [2.16.840.1.113883.10.20.22.2.7.1 : 2014-06-09] | | | |
| Procedure | 2.16.840.1.113883.10.2 0.22.4.14: 2014-06-09 | 2.16.840.1.113883.6.12 or 2.16.840.1.113883.6.96 or 2.16.840.1.113883.6.13 | CPT-4 or SNOMED or HCPCS |
| Date | | | |
| Care team member(s) [2.16.840.1.113883.10.20.22.2.500 : 2019-07-01] | | | |
| Care Giver Name | 2.16.840.1.113883.10.2 0.22.4.500: 2019-07-01 | | |
| Specialty | | | |
| Date | | | |
| Reason for Referral [1.3.6.1.4.1.19376.1.5.3.1.3.1 : 2014-06-09] | | | |
| Reason for visit | 2.16.840.1.113883.10.2 0.22.4.140 | 2.16.840.1.113883.6.96 | SNOMED |
| Medical Equipment [2.16.840.1.113883.10.20.22.2.23 : 2014-06-09] | | | |
| Implanted Device | 2.16.840.1.113883.10.2 0.22.4.14: 2014-06-09 | 2.16.840.1.113883.6.96 | SNOMED |
| GMDN PT Description | | | |
| Mental Status [2.16.840.1.113883.10.20.22.2.56 : 2015-08-01] | | | |
| Assessment | 2.16.840.1.113883.10.2 0.22.4.74: 2015-08-01 | | |
| Assessment Date | | | |
| Results | | 2.16.840.1.113883.6.96 | SNOMED |
| Comments | | | |
| Functional Status [2.16.840.1.113883.10.20.22.2.14 : 2014-06-09] | | | |
| Assessment | 2.16.840.1.113883.10.2 0.22.4.67: 2014-06-09 | | |
| Assessment Date | | | |
| Results | | 2.16.840.1.113883.6.96 | SNOMED |
| Comments | | | |
| Health Concern [2.16.840.1.113883.10.20.22.2.58 : 2015-08-01] | | | |

| Data Elements | XPATH / Entry | Code System | Code System Name |
|-----------------------|--|------------------------|------------------|
| Concern / Observation | 2.16.840.1.113883.10.2 0.22.4.132: 2015-08-01 | 2.16.840.1.113883.6.96 | SNOMED |
| Status | | | |
| Date | | | |