

MDCare EMR/PMS

Version: V5.1

§170.315(b)(10) Electronic Health Information –
Export (Documentation)

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Overview

MDCareEMRV5.1 meets the certification criterion §170.315(b)(10) Electronic Health Information - Export by implementing the CCD Export for Single Patient and Bulk Patients. Based on specific user roles, this helps the clinical users to generate the Clinical Care Document 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

MDCareEMRV5.1 will generate complete electronic health information in C-CDA,XML and PDF formats.

To achieve this, we have implemented,

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

Single PatientExport:

- Home page → Records Tab → 'EHI-Export'
- Clicking on 'Add Request' button navigates to 'EHI-Export-Request' window
- Select 'Single patient' and search with 'Patient Name'.
- Down the page in the grid, user can see selected Patient's list of encounters.
- Select the check box, patient encounter number/s in the grid to generate CCDA.
- Click on 'Save' button and close the window navigates to Records →EHI-Export window.

EHI Export- Request

Search Patient
☒ Single Patient ☐ Multiple Patients
 Patient Name :
 MR No: 10004

Request For
 Legal Authenticator: ☐ Info shared over phone

Medical Records **Message Type**
☒ Medical Records ☒ Patient Demographics ☒ All POS Documents ☒ CCD ☐ Referral

☒ C-CDA/Referral Summary

☒ Patient Name	☒ Sex	☒ DOB	☒ Race
☒ Ethnicity	☒ Preferred Language	☒ Social History/Smoking Status	☒ Problems
☒ Medications	☒ Medication Allergies	☒ Lab Tests	☒ Lab Values/Results
☒ Vital Signs	☒ Care Plan (Goals and Instructions)	☒ Procedures	☒ Care team Members
☒ Provider's name and office Contact info	☒ Date and Location of Visit	☒ Chief Complaint/Reason for visit	☒ Immunizations
☒ Medication Administered	☒ Diagnostic Pending Test	☒ Clinical Instructions	☒ Future Appointments
☒ Referrals	☒ Future Scheduled Tests	☒ Recommended Patient decision Aids	☒ Encounter/Final Diagnosis
☒ Functional and Status	☒ Assessment	☒ Goals	☒ HealthConcerns
☒ MentalStatus	☒ Interventions	☒ Medical Device Equipment	☒ HPI
☒ General Status	☒ Physical Exam	☒ ROS	☒ Past Medical History
☒ Clinical Notes			

Reason :

☐ Decline to Specify

☒ Enc No	DOS	Resource	Physician	Patient Name	Req Type	Signed Status	Signed Date
☒ 1	6/22/2015		ALBERT	Newman, Alice Jones	self		

- Select the MR No check box from the grid after verifying the request date.

- If user selects only 'single encounter' click on 'Download' icon in the grid. Downloaded zip file includes all scanned clinical and administrative documents for the patient in C-CDA, PDF, and XML formats.

Physician Work List Dashboard Co-signer worksheet Face Sheet EHI Export Advance Directives Phone Call Referrals Test Results

Search

☐ All Patients ☒ Selected Patient Provider: All

Request: Request from: 11/01/2023 Request to: 11/29/2023

Issue Type: ☐ Issued ☐ Not Issued ☒ Pending Request Type: ☒ Medical Records ☒ C-CDA

Search Add Request Clear Print

MR No	Patient Name	Request Date	Request By	Request For	Request Reason	Issued By	Issued Date	Issued Comments	RequestType	Status
10004	Newman, Alice	11/29/2023 6:17:10 PM	Self	Medical Records, Patient ...					CCD,Medical Records	  

- If 'all encounters' data of a single patient is needed, click on 'Export' button in grid. Downloaded zip file includes all scanned clinical and administrative documents for the patient in C-CDA, PDF, and XML formats.

Name	Type	Size
 1004-20231128	Microsoft Edge HT...	31 KB
 1004-20231128	Adobe Acrobat D...	10 KB
 1004-20231128	XML Document	140 KB

C-CDA Format

Activate Windows
Go to Settings to activate Windows

Bulk PatientsExport:

- Home page → Records Tab → 'EHI-Export'
- Clicking on 'Add Request' button navigates to 'EHI-Export-Request' window
- Select 'Multiple Patients' and a 'Date range (From & To)'
- Select 'Resource' and 'Physicians' from the drop down list
- Click on 'Search' button
- Select Patient Demographics and also All POS documents check boxes
- Down the page, in the grid user you can see list of multiple patient encounters

EHI Export- Request

Search Patient
☐ Single Patient ☒ Multiple Patients
DOS From : 11/01/2018 To : 11/29/2023
Resource : All
Physicians : All Search

Request For
Legal Authenticator: ALBERT Info shared over phone

Medical Records Message Type
☒ Medical Records ☒ Patient Demographics ☒ All POS Documents ☒ CCD ☐ Referral

☒ C-CDA/Referral Summary

☒ Patient Name ☒ Sex ☒ DOB ☒ Race
☒ Ethnicity ☒ Preferred Language ☒ Social History/Smoking Status ☒ Problems
☒ Medications ☒ Medication Allergies ☒ Lab Tests ☒ Lab Values/Results
☒ Vital Signs ☒ Care Plan (Goals and Instructions) ☒ Procedures ☒ Care team Members
☒ Provider's name and office Contact info ☒ Date and Location of Visit ☒ Chief Complaint/Reason for visit ☒ Immunizations
☒ Medication Administered ☒ Diagnostic Pending Test ☒ Clinical Instructions ☒ Future Appointments
☒ Referrals ☒ Future Scheduled Tests ☒ Recommended Patient decision Aids ☒ Encounter/Final Diagnosis
☒ Functional and Status ☒ Assessment ☒ Goals ☒ HealthConcerns
☒ MentalStatus ☒ Interventions ☒ Medical Device Equipment ☒ HPI
☒ General Status ☒ Physical Exam ☒ ROS ☒ Past Medical History
☒ Clinical Notes

Reason :
☐ Decline to Specify

☒ Enc No	DOS	Resource	Physician	Patient Name	Req Type	Signed Status	Signed Date
☒ 6	6/22/2020		ALBERT	Kid G93,Happy Always	self		

- Check the check box in All Encounters in grid view
- Click on 'Save' button and close, the window navigates to Records → EHI-Export window.

Physician Work List | Dashboard | Co-signer worklist | Face Sheet | **EHI Export** | Advance Directives | Phone Call | Referrals | Test Results

Search

☒ All Patients ☐ Selected Patient Provider: All

Request: Request from: 11/01/2019 Request to: 11/29/2023

Issue Type: ☒ Issued ☐ Not Issued ☐ Pending Request Type: ☒ Medical Records ☒ C-CDA

Export Search Add Request Clear Print

MR No	Patient Name	Request Date	Request By	Request For	Request Reason	Issued By	Issued Date	Issued Comments	RequestType	Status	
☒ 10009	Kid G93, Happy	11/28/2023 5:57:38 PM	Self	Medical Records, Patient ...		ALBERT	11/29/2023 5:58:18 PM		CCD_Medical Records	Issued	
☒ 10008	Bates G92, Jeremy	11/28/2023 5:57:38 PM	Self	Medical Records, Patient ...		ALBERT	11/29/2023 5:59:13 PM		CCD_Medical Records	Issued	
☒ 10007	Newman G91, Alice	11/28/2023 5:57:38 PM	Self	Medical Records, Patient ...		ALBERT	11/29/2023 5:58:29 PM		CCD_Medical Records	Issued	
☒ 10006	Kid, Happy	11/28/2023 5:57:38 PM	Self	Medical Records, Patient ...		ALBERT	11/29/2023 5:59:07 PM		CCD_Medical Records	Issued	
☒ 10005	Bates, Jeremy	11/28/2023 5:57:38 PM	Self	Medical Records, Patient ...		ALBERT	11/29/2023 5:58:36 PM		CCD_Medical Records	Issued	
☒ 10004	Newman, Alice	11/28/2023 5:57:38 PM	Self	Medical Records, Patient ...		ALBERT	11/29/2023 5:58:45 PM		CCD_Medical Records	Issued	

- In EHI-Export window, select 'All Patients' radio button
- Select 'Request from Dates & To'
- Click Search button
- Selecting the checkbox beside 'MR No.' column in the grid will select all patients
- Click on 'Export' button
- Downloaded eachzip file contains all the charts, scanned clinical and administrative documents for the patient in C-CDA, PDF, and XML formats.

Name	Type	Size
7	WinRAR ZIP archive	30 KB
8	WinRAR ZIP archive	26 KB
9	WinRAR ZIP archive	35 KB
10	WinRAR ZIP archive	31 KB
11	WinRAR ZIP archive	26 KB
12	WinRAR ZIP archive	37 KB
20231129192648CDA Message	WinRAR ZIP archive	184 KB

Name	Type	Size
 1004-20231128	Microsoft Edge HT...	31 KB
 1004-20231128	Adobe Acrobat D...	10 KB
 1004-20231128	XML Document	140 KB

CCD OutputFormat

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
- https://www.healthit.gov/isa/sites/isa/files/2020-10/USCDI-Version-1-July-2020-Errata-Final_0.pdf

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/address		

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	2.16.840.1.113883.10.2 0.22.4.49: 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	2.16.840.1.113883.6.9 6	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	2.16.840.1.113883.6.9 6	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		2.16.840.1.113883.6.9 6	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		2.16.840.1.113883.6.9 6	SNOMED
Comments			

Health Concern [2.16.840.1.113883.10.20.22.2.58 : 2015-08-01]			
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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			

URL: www.mdcare.com/EHlexport
Email: info@vinfonet.com
Phone: 6307999399