



# Harmony EHR

## Practice Management

Version 1.8

# §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

HarmonyEHR supports §170.315(b)(10) Electronic Health Information export by using JSON(.XML) Export for Single Patient and Bulk Export as per the standards containing the Clinical Notes (US Realm) and Patient demographic/insurance, appointments, Billing information and documents export in pdf format. Below are the detailed formats and structures we offer.

Clinical Data (Single Patient Export and Bulk Patient Export in the json (xml/html format), Patient Demographic, Insurance, Appointments, Provider-to-patient messages, and Billing Data in pdf format Documents (signed progress notes, available lab results, radiology reports, and any other scanned or uploaded document export in pdf format)

## Clinical Data - Single Export

Steps to Export the JSON (XML) file for a single patient

- In the available list of Main Menus in the left panel select the option EHI Export. This menu option authorization is role based and can be assigned in the EHR Admin module.
- Select the type of Grouping - Individual
- Select the Report Format - JSON
- Select the Duration - (1, 3, 6, 9, 12 Months / Custom Range)
- Search the patient in the below Search Patient section by the following filters
  - First Name
  - Last Name
  - DOB
  - Cell phone

Post searching select the patient who has a closed episode in the specified time range is indicated by a green checkmark as shown in the below screenshot.

The screenshot displays the 'HNMC Practice Management' interface for 'EHI Export'. The 'Report Extraction' section includes the following settings:

- Grouping:** Individual Export (selected), Bulk Export
- Report Format:** JSON (selected), CDA
- Duration:** 1 Month

The 'Search Patient' section shows a search for 'Emma Johnson' with the following results:

First Name	MI	Last Name	DOB	Cell	Closed Episode
Emma		Johnson	12/07/1995	(877) 857-9769	✓
Emma	S	Johnson	12/08/1992	(962) 945-9258	✗
Emma		Johnson	11/15/2017		✗
Emma		Johnson	01/01/1900		✗
Emma	F	Johnson	01/01/1900		✗
Emma		Johnson	01/01/1900		✗
Emma	B	Johnson	01/01/1900		✗
Emma		Johnson	01/01/1900		✗
Emma	KA	Johnson	01/01/1900		✗

The interface also includes a sidebar with navigation icons and a top bar with 'Create Ticket' and 'AM' buttons.

- Once the patient's basic details come up then the user can verify the patient with the displayed details and then can click on the Run Report.

The screenshot shows the HNMC Practice Management interface. At the top, there's a header with "HNMC Practice Management" and a "Create Ticket" button. Below the header, a patient card for "Emma John" is displayed. The card contains the following information:

<b>Emma John</b> DOB   Age/Sex 12/07/1995   28Y/F Cell 8778579769	<b>MR#</b> M006510345 <b>Mail</b> pavithra.p@tvsnx.com <b>Address</b> 7th Ave, New York, New York - 19891	<b>PCP -</b> <b>Pharmacy</b> Holy Name PharmaCare <b>Preferred Language</b> Creoles and pidgins, English	<b>Ethnicity</b> Declined to specify <b>Race</b> American Indian
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At the bottom right of the patient card, there is a "Run Report" button.

- Once export is completed, a success message will be displayed and the Email will be sent to the requesting patient to login and download the files.

This screenshot shows the same HNMC Practice Management interface as the previous one, but with a success message displayed at the bottom right. The message is a green box with a checkmark icon and the text:

**Success**  
Email has been sent successfully.

## Clinical Data - Bulk Export

Steps to Export the JSON (XML) file for a bulk export for a practice

- In the available list of Main Menus in the left panel select the option EHI Export
- Select the type of Grouping - Bulk
- Select the Report Format - JSON
- Select the Duration - (1, 3, 6, 9, 12 Months / Custom Range)

The screenshot shows the 'HNMC Practice Management' interface. On the left is a dark blue sidebar with various icons. The main header area includes a bell icon, a 'Create Ticket' button, and a user profile icon labeled 'AB'. Below the header, the 'EHI Export' tab is selected. The 'Report Extraction' section contains three rows: 'Grouping' with radio buttons for 'Individual Export' and 'Bulk Export' (selected), 'Report Format' with radio buttons for 'JSON' (selected) and 'CDA', and 'Duration' with a dropdown menu set to '1 Month'. A blue 'Run Report' button is located at the bottom right of the form.

- Post clicking on the Run Report the user will be notified about the same by a message as shown in the below screenshot along with an Email and it will be zipped and stored in a secured and encrypted location..

This screenshot is identical to the previous one, showing the 'EHI Export' form. In the bottom right corner, a green 'Success' notification box is displayed. The message inside the box reads: 'The bulk EHI report is currently being processed. You will receive an email notification once it is completed.'

## JSON File Output Format

Data Elements identified with asterisk are mandatory

### Patient Demographics

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Last Name*	patient/lastname	
2	First Name*	patient/firstname	
3	Middle name	patient/middlename	
4	Sex*	patient/administrativeGenderCode	Administrative Gender
5	Date of birth*	patient/birthdate	YYYY-MM-DD
6	Race*	patient/raceCode	CDC
7	Ethnicity*	patient/ethnicGroupCode	CDC
8	Preferred Language	patient/languageCode	

### Patient Demographics - Address

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Address 1*	patient/address1	
2	Address 2	patient/address2	
3	City*	patient/city	
4	State*	patient/state	
5	Zip Code*	patient/zipcode	

### Patient Demographics - Contact Info

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Home phone number	patient/homephonenumber	
2	Cell phone number	patient/cellphonenumber	
3	Email	patient/homephonenumber	

### Patient Insurance

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Insurance Carrier Name*	insurance/insurancename	Selfpay if no insurance
2	Policy Number*	insurance/policynumber	Not mandatory for Selfpay
3	Group Number	insurance/groupnumber	
4	Effective Date	insurance/date	(MM-DD-YYYY)
5	Priority*	insurance/priority	
6	Relationship with Patient*	insurance/relationship	
7	Subscriber Name		

### Patient Insurance (Subscriber Details)

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Insurance Carrier Name*	insurance/insurancename	
2	Priority*	insurance/priority	
3	Relationship with Patient*	insurance/relationship	
4	Subscriber Name		
5	Subscriber DOB		
6	Subscriber Birth Sex		
7	Subscriber Address 1		
8	Subscriber Address 2		
9	Subscriber City		
10	Subscriber State		
11	Subscriber Zip Code		
12	Subscriber Home Phone		
13	Subscriber Cell Phone		

**Date and Location of Visit**

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Encounter date*	encounter/date	
2	Encounter address*	encounter/address	
3	Encounter complaint description*	encounter/complaint/description	
4	Performer Last Name*	encounter/performer/lastname	Rendering provider
5	Performer First Name*	encounter/performer/firstname	
6	Performer Middle Name	encounter/performer/middlename	
7	Suffix*	encounter/performer/suffix	
8	NPI	encounter/performer/npi	
9	Diagnosis*	encounter/diagnosis	ICD10

**Provider name and Office contact Information**

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Last Name*	provider/name/lastname	Billing provider
2	First Name*	provider/name/firstname	
3	Middle name	provider/name/middlename	
4	Suffix*	provider/name/suffix	
5	NPI	provider/NPI	
6	Address*	provider/address	
7	Phone number*	provider/phone	
8	Fax number*	provider/fax	

**Patient Vitals**

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Vital Sign*	vitalsigns/vitalsign	LOINC
2	Description	vitalsigns/description	
3	Observation	vitalsigns/vitalsign/observation	



4	Units of Measure	vitalsigns/observation/units of measure	
5	Observation Date/Time	vitalsigns/vitalsign/observationdatetime	

### Patient Problems

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Problem*	problems/problem	ICD10
2	Description	problems/problem/description	
3	Active Date	problems/problem/activedate	
4	Status	problems/problem/status	

### Patient Medications

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Medication*	medications/medication	RxNorm
2	Description	medications/medication/description	
3	Directions	medications/medication/directions	
4	Start Date	problems/problem/startdate	
5	End Date	medications/medication/enddate	
6	Status	medications/medication/status	

### Patient Medications Allergies

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Medication(Allergy)*	medicationsallergy/medication	RxNorm
2	Description	medicationsallergy/medication/description	
3	Reaction	medicationsallergy/medication/reaction	
4	Severity	medicationsallergy/medication/severity	
5	Status	medicationsallergy/medication/status	
6	Medication(Allergy)*	medicationsallergy/medication	RxNorm

## Patient Procedures

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Procedure	procedures/procedure	CPT4
2	Description	procedures/procedure/description	
3	Procedure Date	procedures/procedure/date	

## Patient Lab Results

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Lab Test Description*	Lab/testname	
2	Lab Test Code*	Lab/loinc	LOINC
3	Observation*	Lab/observation	
4	Observation Value*	Lab/observation/observationvalue	
5	Units of measure	Lab/observation/unitsofmeasure	UCUM
6	Date*	Lab/observation/date	(MM-DD-YYYY)
7	References Range	Lab/observation/referencerange	
8	Abnormal Flags	Lab/observation/abnormalflag	
9	Results Status	Lab/observation/resultstatus	

## Patient Radiology Results

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Radiology Order Name*	radorder/name	
2	Radiology order CPT code	radorder/cptcode	
3	Observation*	radorder/observation	
4	Observation Date*	radorder/date	(MM-DD-YYYY)
5	Result status*	radorder/status	

### Patient Immunization Information

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Vaccine*	immunization/vaccine	CVX
2	Description*	immunization/description	
3	Date*	immunization/date	
4	Status	immunization/status	
5	Route	immunization/route	
6	Site	immunization/site	HL70163
7	Manufacturer	immunization/manufacture	MVX
8	Dose	immunization/dose	
9	Unit of Measure	immunization/unit of measure	
10	Lot number	immunization/lotnumber	

### Patient Social History (Tobacco Use)

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Social History Observation	socialhistory/observation	Tobacco use
		socialhistory/observation	No Tobacco use
2	Frequency	socialhistory/observation/frequency	
		socialhistory/observation/frequency	
3	Date observed	socialhistory/observation/date observed	

### Patient Social History (Alcohol Use)

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Social History Observation	socialhistory/observation	Alcohol use
		socialhistory/observation	No History of Alcohol Use
2	Frequency	socialhistory/observation/frequency	
3	Date observed	socialhistory/observation/date observed	

### Patient Social History (Drug Use)

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Social History Observation	socialhistory/observation	Drug use
		socialhistory/observation	No Drug Use
2	Frequency	socialhistory/observation/frequency	
3	Date observed	socialhistory/observation/date observed	

### Patient Treatment Plan (Plan)

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Planned Observation	treatmentplan/observation	Loinc
2	Description	treatmentplan/observation/description	
3	Planned Date	treatmentplan/observation/planneddate	

### Patient Treatment Plan (Referrals)

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Referral Provider	treatmentplan/provider name	
2	Organization	treatmentplan/provider organization	
3	Specialty	treatmentplan/provider specialty	

### Patient Treatment Plan (Follow-Up)

S:No	Data Elements	XPATH/ENTRY	Code System Name
1	Planned Observation	treatmentplan/observation	
2	Schedule	treatmentplan/schedule	(MM/DD/YYYY)
3	Specialty	treatmentplan/provider specialty	

## **Documents - PDF**

The below sections describe the categories of documents that are available for the patient to be downloaded based on the export which will be categorized as per the below sections.

### **Section A - Patient Documents**

- Facesheet
- Advance Directive
- Authorizations
- Drivers License
- General Documents
- Insurance
- Letters and Forms
- Passport
- Referrals
- State ID
- Other Document
- DOBI/Medicare Forms

### **Section B - Results**

- Chart
- Result Pdf
- Lab Result
- Imaging Result
- Procedure Result
- Cardiographics
- Vaccine
- Progress Note
- Pre-Op

### **Section C - Requisitions**

- Cardiology Requisition
- Lab Requisition
- Radiology Requisition
- Procedure Requisition
- Prescription
- Prenatal
- Physician's Order
- Plan of Care

**Section D - Other**

- Other Documents
- Clearance Notes
- Hospitalization
- Consultation

**Organizational Structure**

The files generated by the export are saved and downloaded to the BLOB storage.

**Export Files are created in a Timely Fashion**

Based on the export generated by the Practice administrators an email is sent to the list of users where they can securely verify and download the files generated by Electronic health information. A user of the Product can perform an electronic health information (EHI) export for at any time the user chooses without developer assistance and that the export files are created in a timely fashion.