

# §170.315(b)(10) Electronic Health Information Export- DoctorHelper®



Version: 3.0

For Further Information  
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## Contents

Summary.....	2
Single Patient.....	2
Bulk Export.....	5
Who can perform an EHI Export? .....	6
Export Format(s) Storage.....	7
How to access files on the Patient Portal.....	8



## Summary

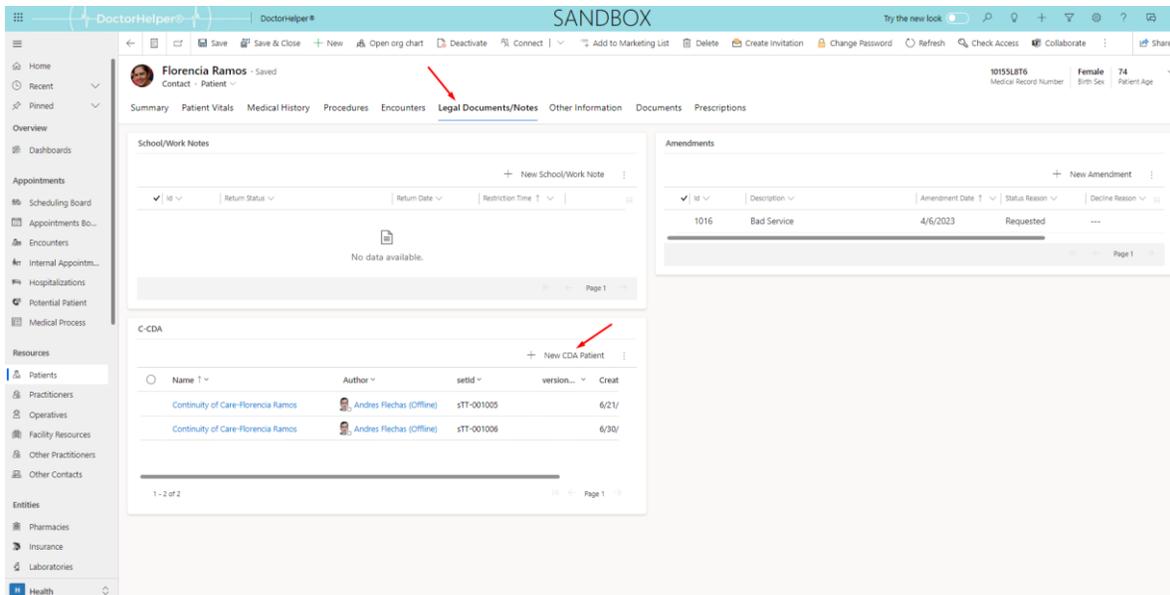
This document describes the details for §170.315(b)(10) Electronic Health Information Export. DoctorHelper® has the capability of exporting Electronic Health Information (EHI) by implementing the export for Single Patient and Bulk Export in accordance with the standards specified in §170.205(a)(4) HL7® Implementation Guide for CDA® Release 2: Consolidated CDA Templates for Clinical Notes (US Realm), Draft Standard for Trial Use Release 2.1, August 2015.

## Single Patient

The health IT Developer attests a user of the Health IT Module can perform an electronic health information (EHI) export for a single patient at any time the user chooses without the developer assistance and that the export file:

- 1) Is created in a timely fashion.

Open the patient record, go to the “Legal Documents/Notes” tab, and click “New CDA Patient”.



2) Includes all the EHI for a single patient as described in §170.315(b)(10)(i)(A).

**Patient Health Summary (October 11, 2023, 12:09:02AM)**

<b>Patient</b>	Legal: Florencia RAMOS		<b>Patient ID:</b> (SSN)	<b>Date of Birth:</b> April 1, 1949 (74yr)	<b>Gender:</b> Female
<b>Documentation Of</b>	Care provision, <b>Date/Time:</b> October 10, 2023 4:33PM - 4:39:17PM, <b>Performer:</b> Mr. Practitioner F TEST practiquer MD.				
<b>Author</b>	Mr. Practitioner F TEST practiquer MD., <b>Organization:</b> PartnerHelper LLC., <b>Authored On:</b> October 11, 2023, 12:09:02AM				
<a href="#">Table of Contents</a>		<a href="#">Collapse All</a>			

<b>Document</b>	ID: 000000087 (2.16.840.1.113883.19.5.9999.1) Version: 68 Self-ID: sTT-000080 (2.16.840.1.113883.19.5.9999.19)	<b>Created On</b>	October 11, 2023, 12:09:02AM
<b>Custodian</b>	DoctorHelperDev Call	<b>Contact Details</b>	Street 1a 62a-130 Aaronsburg, PA 90001 US Workplace: (356) 896-9583

<b>Patient</b>	Legal: Florencia RAMOS	<b>Contact Details</b>	Home Primary: Miami, FL 33131 Street 1 US Home Primary: (316) 831-7205
<b>Date of Birth</b>	April 1, 1949 (74yr)	<b>Gender</b>	Female
<b>Race</b>	White	<b>Ethnicity</b>	Hispanic or Latino
<b>Patient IDs</b>	(SSN)		
<b>Provider Organization</b>	DoctorHelperDev Call ID: 2.16.840.1.113883.4.6	<b>Contact Details (Organization)</b>	Street 1a 62a-130 Aaronsburg, PA 90001 US Workplace: (356) 896-9583

<b>Documentation Of - care provision</b>	October 10, 2023 4:33PM - 4:39:17PM	<b>Contact Details</b>	Workplace: Street 1 Line 2 Macclenny, FL 33131 US Workplace: (256) 256-6584
<b>Performer - second assistant surgeon</b>	Mr. Practitioner F TEST practiquer MD. of DoctorHelperDev Call		

<b>Author</b>	Mr. Practitioner F TEST practiquer MD. - Code: "Respiratory, Developmental, Rehabilitative and Restorative Service Providers"; "Respiratory Therapist, Registered", Pulmonary Diagnostics, Organization: PartnerHelper LLC.	<b>Contact Details</b>	Street 1 Line 2 Macclenny, FL 33131 US Workplace: (256) 256-6584, Mobile: 8213524658, Home Primary: (326) 528-5485
		<b>Contact Details (Organization)</b>	3223 Briccoll Avenue Suite 900 Miami, FL 33131 US Workplace: 7862924982

**▼ Allergies and adverse reactions**

Substance	Reaction	Severity	Status	OnsetDate
Abelcet	Exposure to intestinal infectious disease	Severe	active	October, 04 2023

**▼ Medications**

Medication	Directions	Start Date
Abacavir 300 mg tablet	After meals	October, 02 2023

**▼ Problems**

Problem	Date	Status
Foreign body dermatosis	October, 10 2023	active
Contraindication to live immunization	October, 05 2023	active

**▼ Procedures**

Procedure	Date	Status
1 cc sterile syringe&needle	October, 04 2023	active
"y set" tubing	October, 03 2023	completed

**▼ Results**

Test Name	Results	Reference Range	Interpretation	Date	Status
6(R+S)-oxo-propylpiperidine-2-carboxylate (Moles/volume) in Plasma	50	69-89	Bad	October, 05 2023	active

**▼ Encounters**

Encounter Type	Performer	Location	Date
Consultation	Practitioner Test	DoctorHelperDev	October, 10 2023

**▼ Family History**

Family Member	Relation	Problem	Onset Date	Comments	Status
Gustavo Flechas	husband	Exposure to intestinal infectious disease	10/11/2023 1:39:04 PM		Completed
		Cutaneous reaction to injected foreign material			

**▼ Functional Status**

Condition	Begin Date	Status
Diphtheria vaccination contraindicated	October, 04 2023	Active

**▼ Immunizations**

Vaccine	Lot Number	Date	Status
Adenovirus, type 4 and type 7, live, oral	15457	October, 04 2023	completed
Diphtheria and Tetanus Toxoids and Acellular Pertussis Adsorbed, Inactivated Poliovirus, Haemophilus b Conjugate (Meningococcal Protein Conjugate), and Hepatitis B (Recombinant) Vaccine.		October, 04 2023	held

**▼ Medical Equipment**

Implant	Area	Manufacturer	Device Identifier	Model	Serial Number	Lot	Date	Provider	Status
XIENCE Alpine Everolimus Eluting Coronary Stent System 3.50 mm x 28 mm / Over-The-Wire	Bone tissue (body structure)	ABBOTT VASCULAR INC.	=/08717648200274+,,000025=A99971312345600=>014032=} 013032&.1000000000000XY2123	1145350-28	000025	000000000000XY2123	October, 04 2023	Clinic Center California	active

**▼ Social History**

Social History Observation	Description	Observation Date
Current Smoking Status	Current every day smoker	October, 11 2023
Birth Sex	Straight or heterosexual	October, 11 2023
Sexual Orientation	Female	October, 11 2023

**▼ Vital Signs**

Date	Blood Pressure	Pulse	Temperature	Respiratory Rate	Height	Weight	BMI	SpO2	O2 Concentration
October, 11 2023	88.0/120.0mm(Hg)	103.0	100.0	56.0	61.0	123.0	23.24	68.0	82.0

**▼ Mental Status**

Assessment	Date	Results	Comments
Cognitive Status	October, 03 2023	Foreign body granuloma of intestine	Bipolar



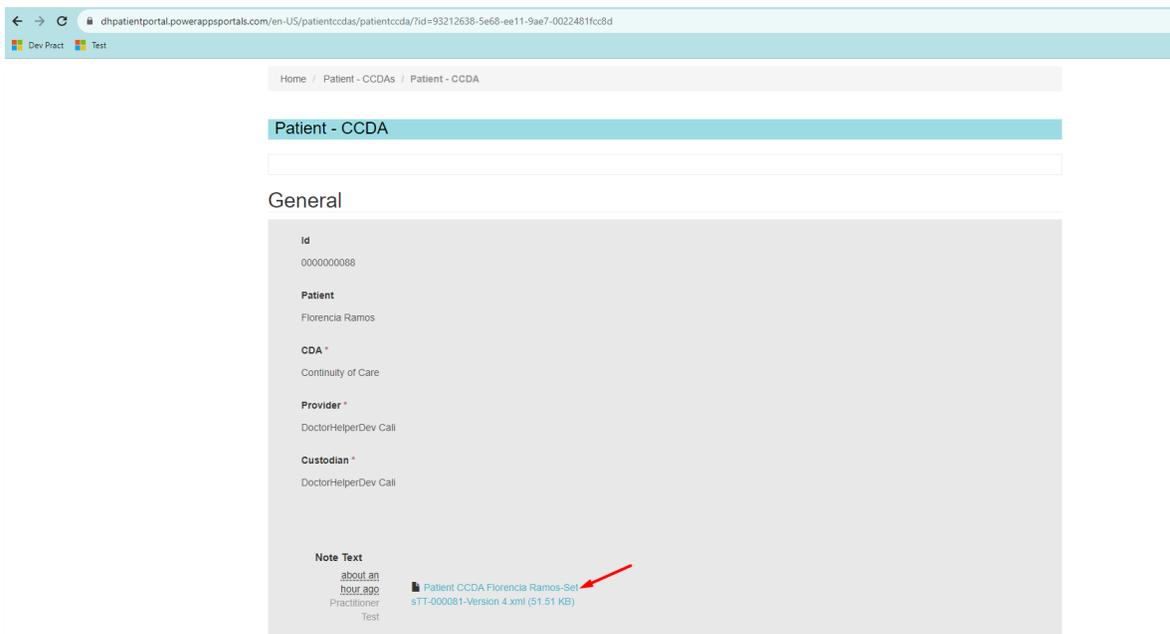
3) Is electronic and in a computable format.

```
Formatted XML
1 <?version "1.0" encoding="UTF-8" standalone="yes"?>
2 <?xml-stylesheet type="text/xsl" href="cda.xsl"?>
3 <!--Title: US_Realm_Header_Template-->
4 <clinicalDocument
5   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
6   xmlns="urn:hl7-org:v3"
7   <!--DoctorHelper CDA Header-->
8   <realmCode code="US" />
9   <typeId root="2.16.840.1.113883.1.3" extension="POCD_HD000040" />
10  <!--DoctorHelper US General Header Template-->
11  <templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01" />
12  <!--DoctorHelper Continuity of Care Document (CCD)-->
13  <id extension="0000000088" root="2.16.840.1.113883.19.5.99999.1" />
14  <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="34133-9" displayName="Summary of episode note" />
15  <title>Patient Health Summary</title>
16  <effectiveTime value="20231011144407" />
17  <confidentialityCode code="N" displayName="normal" codeSystem="2.16.840.1.113883.5.25" codeSystemName="Confidentiality" />
18  <languageCode code="en-US" />
19  <setId extension="STT-000081" root="2.16.840.1.113883.19.5.99999.19" />
20  <versionNumber value="3" />
21  <recordTarget
22    <patientRole>
23      <id extension="256-78-5458" root="2.16.840.1.113883.4.1" />
24      <id extension="114000060" root="1.3.6.1.4.1.16517.1" />
25      <addr use="HP">
26        <state>FL</state>
27        <city>Miami</city>
28        <postalCode>33131</postalCode>
29        <streetAddressLine>Street 1</streetAddressLine>
30        <country>US</country>
31      </addr>
32      <telecom use="HP" value="(316) 831-7205" />
33    </patientRole>
34    <name use="L">
35      <given>Florencia</given>
36      <family>Ramos</family>
37    </name>

```

4) Includes a publicly accessible hyperlink of the export's format.

The user can access the Patient Portal to export the generated file.



## Bulk Export

The health IT developer attests the health IT developer can create an EHI export for all electronic health information, and that the export:

- 1) Includes all the EHI for a patient population as described in §170.315(b)(10)(ii).

Go to "Patients" and select all the records or one by one the patients for whom you want to generate the CCDA File. Then, click "C-CDA Generator".



The screenshot shows the DoctorHelper interface in 'SANDBOX' mode. The 'Active Patients' table is visible, with columns for Medical Record Number, Last Name, First Name, Birth Sex, Date of Birth, Email, Home Phone, City, State or Province, Emergency Contact, Emergency Phone, and Sent. The 'C-CDA Generator' button is highlighted in the top toolbar. The 'Patients' resource is selected in the left sidebar.

Medical Record N...	Last Name	First Name	Birth Sex	Date of Birth	Email	Home Phone	City	State or Prov...	Emergency Contact	Emergency Phone	Sent
1015753H6	Andraus	Ivonne	Female	2/6/1973		(313) 698-5458	Miami	Florida			Yes
10169G5X6	Carrier	Jhon	Male	8/25/1977	jhocarrier@email.com	(316) 520-5693	Miami	Florida			No
10168P3J3	Echeverry	Juan	Male	6/19/2002		(316) 520-9438	Miami	Florida			Yes
10171D5N2	Eriksson	Jhon	Male	6/6/1989	jhon@email.com	(316) 584-5874	Miami	Florida			Yes
10158L7T5	Flechas	Gustavo	Male	1/31/1961		(316) 548-5874	Miami	Florida			Yes
101668JL6	Florez	Claudia	Female	2/8/1989		(323) 698-5458	Miami	Florida			Yes
10160C1N8	Grey	Meredith	Female	4/14/1984	someone@example.com	(786) 598-2433	Miami	Florida			Yes
10173W0D2	Grey	Meredith	Female	4/14/1999	someone1@example.com	(786) 598-2433	Miami	Florida			Yes
10164Z5F7	James	Erika	Female	1/1/1920		(309) 123-4567	Kansas City	Kansas			Yes
10159D0V0	Lasso	Jhon	Male	6/7/1949		(316) 520-5487	Miami	Florida			Yes
10167C6Z2	Madson	Ryan	Male	2/8/2001	Ryan2033@gmail.com	(331) 235-2211	San Francisco	California	Melissa (Mother)	(311) 121-2141	Yes
10162K3D6	Mantilla	Kevin	Male	6/24/1997		(326) 587-4587	Miami	Florida			Yes
10155L8T6	Ramos	Florencia	Female	4/1/1949	anferamos@hotmail.com	(316) 831-7205	Miami	Florida	Andres Flechas	(316) 520-9438	Yes
10165Q6K2	Reed	Austin	Male	1/30/2001	austin@email.com	(316) 520-3658	Miami	Florida			Yes
10174W8B6	Rivera	Jose	Male	6/13/1989		(316) 520-3658	Miami	Florida			Yes
10156H0C1	Smith	John	Male	1/1/1985		(316) 548-5478	Miami	Florida			Yes
10170N2T2	Swift	Shawn	Male	8/16/1984	indira@gmail.com	(314) 448-6516	Boston	New York			Yes
10172P3B2	Vidal	Jimena	Female	8/14/2001	jimena@yahoo.com	(316) 589-5874	Miami	Florida			Yes

It will be generating each C-CDA.



The screenshot shows the same 'Active Patients' table as above. A progress indicator overlay is present in the center of the table, stating: "Running workflow 'DRH - CDA Multiple Patient Generation'. Please wait...1 of 18".

2) Is electronic and in a computable format.

```
Formatted XML
1 <?version "1.0" encoding="UTF-8" standalone="yes"?>
2 <?xml-stylesheet type="text/xsl" href="cda.xsl"?>
3 <!--Title: US_Realm_Header_Template-->
4 <ClinicalDocument
5   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
6   xmlns:urn="urn:hl7-org:v3"
7   <!--DoctorHelper CDA Header-->
8   <realmCode code="US" />
9   <typeId root="2.16.840.1.113883.1.3" extension="POCD_HD000040" />
10  <!--DoctorHelper US General Header Template-->
11  <templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01" />
12  <!--DoctorHelper Continuity of Care Document (CCD)-->
13  <id extension="0000000088" root="2.16.840.1.113883.19.5.99999.1" />
14  <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="34133-9" displayName="Summary of episode note" />
15  <title>Patient Health Summary</title>
16  <effectiveTime value="20231011144407" />
17  <confidentialityCode code="N" displayName="normal" codeSystem="2.16.840.1.113883.5.25" codeSystemName="Confidentiality" />
18  <languageCode code="en-US" />
19  <setId extension="STT-000081" root="2.16.840.1.113883.19.5.99999.19" />
20  <versionNumber value="3" />
21  <recordTarget
22    <patientRole>
23      <id extension="256-78-5458" root="2.16.840.1.113883.4.1" />
24      <id extension="114000060" root="1.3.6.1.4.1.16517.1" />
25      <addr use="HP">
26        <state>FL</state>
27        <city>Miami</city>
28        <postalCode>33131</postalCode>
29        <streetAddressLine>Street 1</streetAddressLine>
30        <country>US</country>
31      </addr>
32      <telecom use="HP" value="(316) 831-7205" />
33    </patient>
34    <name use="I">
35      <given>Florencia</given>
36      <family>Ramos</family>
37    </name>

```

3) Includes a publicly accessible hyperlink of the export's format.



### Who can perform an EHI Export?

The health IT developer attests the Health IT Module can limit users who can perform an EHI export for a single patient using the following methods:

- 1) Grant a set of users the ability to perform the export. Operatives do not have the ability to perform the export.

#### Security Role: DRH\_OperativeUser

Details	Core Records	Marketing	Sales	Service	Business Management	Service Management	Customization	Missing Entities	Business Process Flows	Custom Entities
Case Enrichment										
Case Suggestion										
Case Suggestion Request Payload										
Case Suggestions Data Source										
Case Topic										
Case topic Incident mapping										
Case Topic Setting										
Case Topic Summary										
Catalog										
Catalog Assignment										
Catalog Submission Files										
CatalogEventStatusConfiguration										
CDA										
CDA Patient										
CDA Section										
Channel api method mapping										

Practitioners have the ability to perform the export.

**Security Role: DRH\_PractitionerUser**

Details	Core Records	Marketing	Sales	Service	Business Management	Service Management	Customization	Missing Entities	Business Process Flows	Custom Entities
Catalog Submission Files							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CatalogEventStatusConfiguration							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>CDA</b>							<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>CDA Patient</b>							<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>CDA Section</b>							<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

2) Grant the system administrator(s) the ability to perform the export.

Administrators have the ability to export.

**Security Role: DRH\_SystemAdmin**

Details	Core Records	Marketing	Sales	Service	Business Management	Service Management	Customization	Missing Entities	Business Process Flows	Custom Entities
Catalog Submission Files							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CatalogEventStatusConfiguration							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>CDA</b>							<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>CDA Patient</b>							<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<b>CDA Section</b>							<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

### Export Format(s) Storage

The health IT developer attests the health IT developer has a process or keeping the export format(s) used to support paragraphs (b)(10)(i) of this section up-to-date.

- Every time a new file is generated on the Patient Portal the file will be displayed and you will have a history of them.

DoctorHelperDev Call

---

**Note Text**

about an hour ago  
Practitioner Test

 Patient CCDA Florencia Ramos-Set STT-000081-Version 4.xml (51.51 KB)

---

about a minute ago  
Practitioner Test

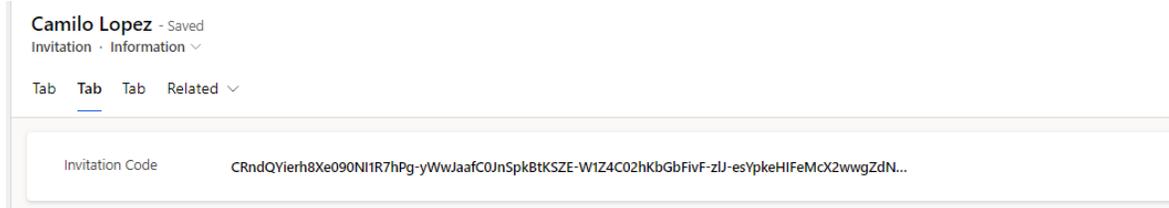
Patient CCDA - Continuity of Care

 Patient CCDA Florencia Ramos-Set STT-000081-Version 5.xml (51.51 KB)

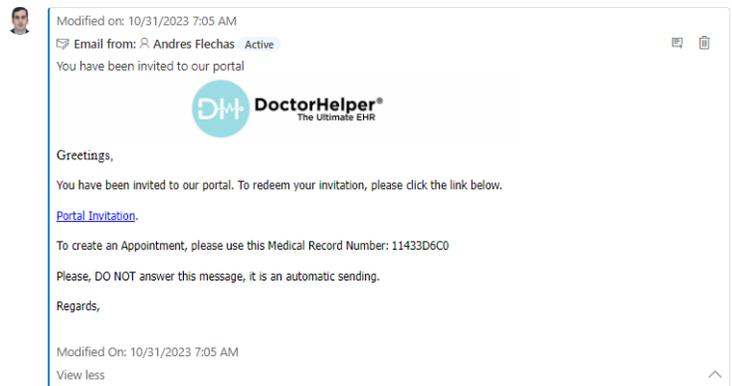


## How to access files on the Patient Portal

- 1) An invitation to the Patient Portal will be sent to the patient so they can access their medical information.



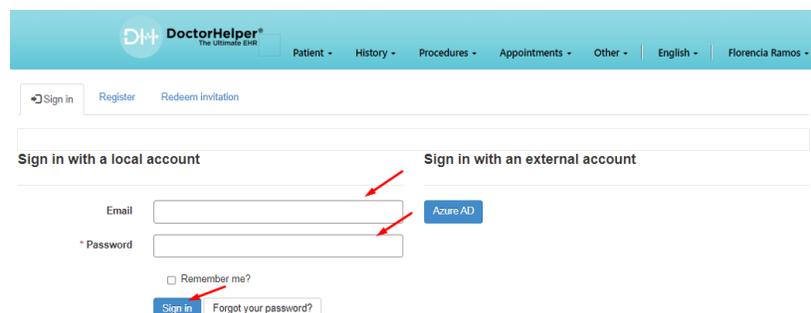
- 2) The patient will receive an email with the Patient Portal Invitation, and will need to Click "Portal Invitation".



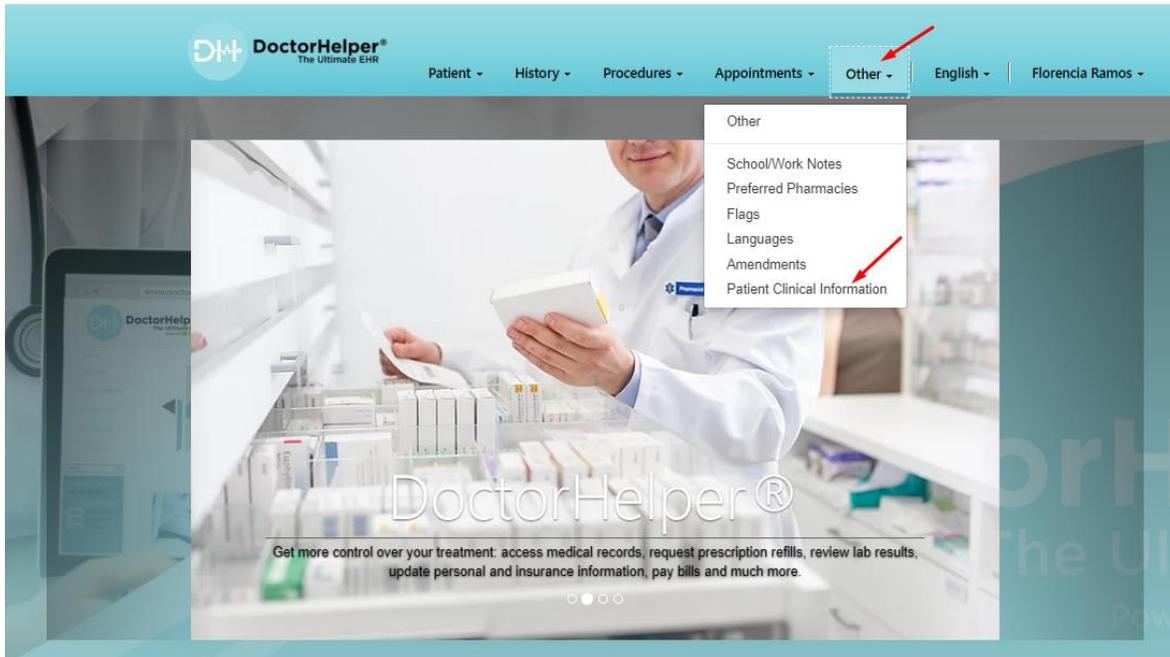
- 3) Once the patient has clicked "Portal Invitation", they will see a screen like the following and will need to click "Register".



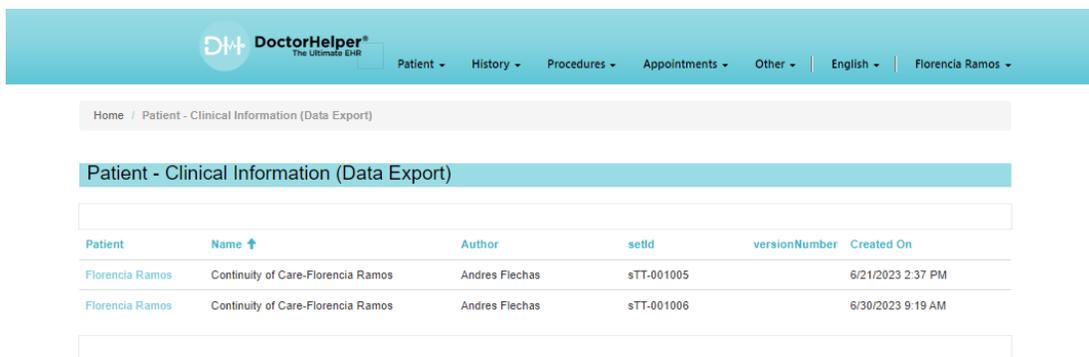
- 4) The patient will need to enter the credentials and click "Sign in".



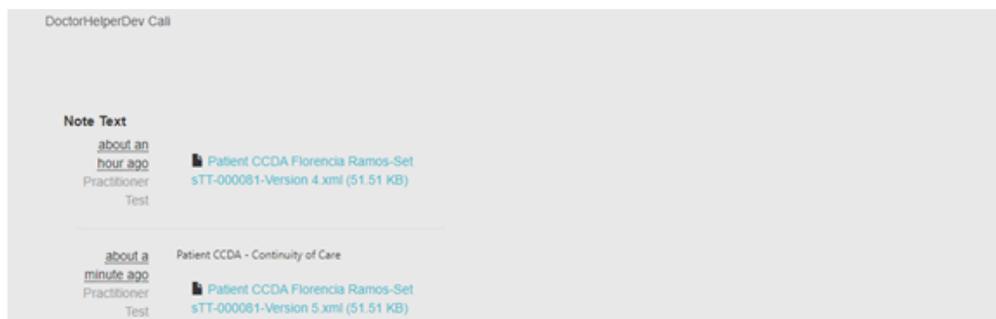
5) Once the patient has clicked "Sign in", they will see the main portal screen and will need to click "Other" and then "Patient Clinical Information".



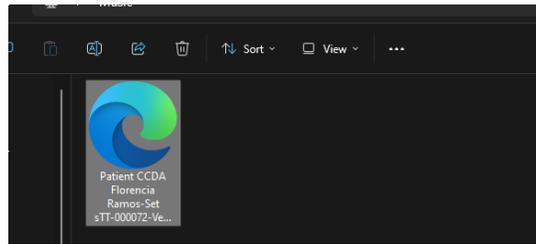
6) All the available files will be listed.



7) Click the file you need, and it will be downloaded to your local machine.



8) The generated file will be in .xml (C-CDA) format.



```
<component>
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<templateId extension="2014-06-09" root="2.16.840.1.113883.10.20.22.2.1.1" />
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<th>Medication</th>
<th>Directions</th>
<th>Start Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>
<content ID="Medication 1">Abacavir 20 mg/mL solution</content>
</td>
<td>
<content ID="Direction 1">After Meals</content>
</td>
<td>
<content ID="OnsetDate 1">September, 28 2023</content>
</td>
</tr>
</tbody>
</table>
</text>
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</effectiveTime>
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<period value="6" unit="h" />
</effectiveTime>
<doseQuantity value="1" unit="mg/mL" />
<consumable>
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<code code="242680" displayName="abacavir 20 mg/mL oral solution" codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxCUI">
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<reference value="Medication 1" />
</text>
</code>
</manufactureMaterial>
</manufacturedProduct>
</consumable>
</substanceAdministration>
</entry>
</component>
```

Patient Health Summary (October 11, 2023, 12:09:02AM)			
<b>Patient</b>	Legal: Florenca RAMOS	<b>Patient ID:</b> (SSN)	<b>Date of Birth:</b> April 1, 1949 (74yr) <b>Gender:</b> Female
<b>Documentation Of</b>	Care provision, <b>Date/Time:</b> October 10, 2023 4:33PM - 4:39:17PM, <b>Performer:</b> Mr. Practitioner F TEST practitioner MD.		
<b>Author</b>	Mr. Practitioner F TEST practitioner MD., <b>Organization:</b> PartnerHelper LLC., <b>Authored On:</b> October 11, 2023, 12:09:02AM		
<a href="#">Table of Contents</a>		<a href="#">Collapse All</a>	
<b>Document</b>	ID: 0000000087 (2.16.840.1.113883.19.5.99999.1) Version: 08 SecID: sTT-000080 (2.16.840.1.113883.19.5.99999.19)	<b>Created On</b>	October 11, 2023, 12:09:02AM
<b>Custodian</b>	DoctorHelperDev Call	<b>Contact Details</b>	Street 1a 62a-130 Aaronsburg, PA 90001 US Workplace: (356) 896-9583
<b>Patient</b>	Legal: Florenca RAMOS	<b>Contact Details</b>	Home Primary: Miami, FL 33131 Street 1 US Home Primary: (316) 831-7205
<b>Date of Birth</b>	April 1, 1949 (74yr)	<b>Gender</b>	Female
<b>Race</b>	White	<b>Ethnicity</b>	Hispanic or Latino
<b>Patient IDs</b>	(SSN)		
<b>Provider Organization</b>	DoctorHelperDev Call ID: 2.16.840.1.113883.4.6	<b>Contact Details (Organization)</b>	Street 1a 62a-130 Aaronsburg, PA 90001 US Workplace: (356) 896-9583
<b>Documentation Of - care provision</b>	October 10, 2023 4:33PM - 4:39:17PM		
<b>Performer - second assistant surgeon</b>	Mr. Practitioner F TEST practitioner MD. of DoctorHelperDev Call	<b>Contact Details</b>	Workplace: Street 1 Line 2 Macclenny, FL 33131 US Workplace: (256) 256-6584
<b>Author</b>	Mr. Practitioner F TEST practitioner MD. - Code: "Respiratory, Developmental, Rehabilitative and Restorative Service Providers"; "Respiratory Therapist, Registered", Pulmonary Diagnostics, Organization: PartnerHelper LLC.	<b>Contact Details</b>	Street 1 Line 2 Macclenny, FL 33131 US Workplace: (256) 256-6584, Mobile: 8213524658, Home Primary: (326) 528-5485
		<b>Contact Details (Organization)</b>	1321 Brickell Avenue Suite 900 Miami, FL 33131 US Workplace: 7862924982