



## **170.315(b)(10)**

### **XML EHI Export of Patient Billing History, rel 4.5**

Revision: 1.0  
Revised: 11/29/2023

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## Medical Device Intended Use Advisory

The Intended Use Advisory provided below is in compliance with Title 21 Chapter I Subchapter H Part 801 of the FDA's Code of Federal Regulations governing medical devices. This Part requires medical device manufacturers to define intended use. With regard to interface specifications reference 801.4 Meaning of intended uses, and 801.5 Medical devices; adequate directions for use.

The software supporting 170.315(b)(10) Electronic Health Information (EHI) Export has been designed, installed, and configured to meet general requirements for exchange of billing history for one or more patients. It is imperative that you consult with SCC should you require a different form of output or require interfaces to support other needs and workflows. Use of the software for any reason other than originally specified may violate the safety, effectiveness, and design controls of this medical device, and such use could result in an increased risk to users and patients.

Our priority is to provide quality health care technology to your site while ensuring that you have the best possible experience using the tools we provide. Working together with the above advisories in mind, we can prevent potential, unintended patient care issues from occurring.

## Application

This specification applies to Billing performed via SoftBill or SoftAR installed with SoftLab release 4.5.

Modules:  SoftBill  SoftAR

Interfaces:  Billing History

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Document Change Control			
Revision #	Date	Author	Main changes
1.0	11/29/2023	Ray Harms	Original Specification

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**Export Query and Output**

The EHI Billing History and associated utility for EHI Export is designed to meet two scenarios as described within 2015 Cures Update measure 170.315(b)(10) Electronic Health Information (EHI) Export:

- 1) Single Patient EHI Export - Export all EHI for a single patient at any time the user chooses.
- 2) Patient Population EHI Export - Export all EHI for a patient population

Both exports are required to:

- a) Be electronic and in a computable format
- b) Include a publicly accessible hyperlink of the export's format

Exports meeting this criteria are offered in an XML format, a common industry standard for data exchange in the form of messages. Exports are in an electronically computable format, containing a history of PHI data including history of patient billing. Data within such exports is limited to data maintained within SCC systems. Data residing externally within other systems is not included. Charge data sent to other systems for billing are not included.

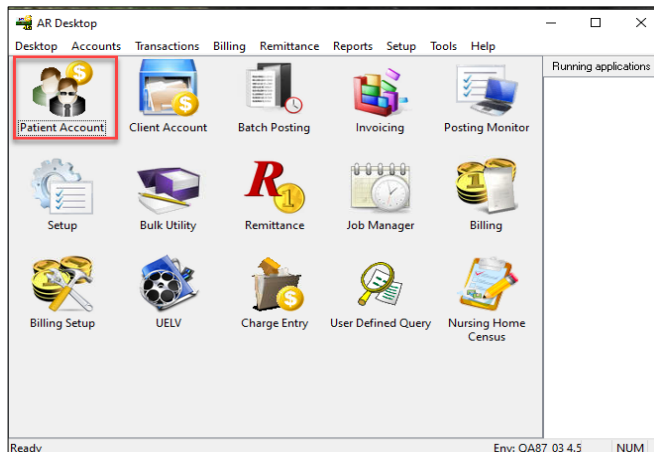
**Creating an Export**

The system is designed to most efficiently produce a billing history export together with an export of clinical laboratory results via the **EhiExportConsole** using a single query. However, an export may also be executed exclusively from SoftAR as described below..

**Single Patient Export**

To export EHI for a single patient, follow the below step by step process in SoftAR or SoftBill.

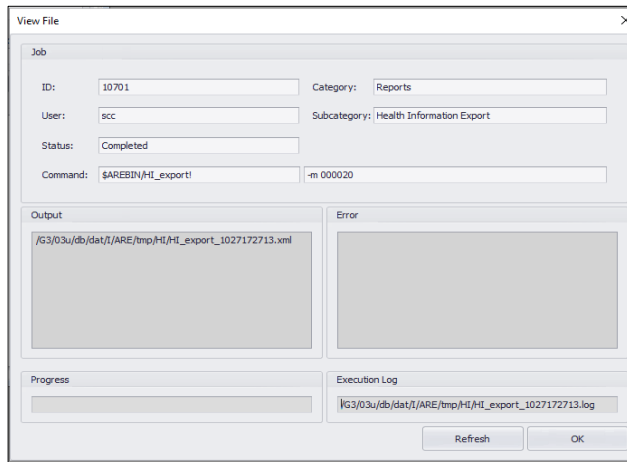
- 1) Open the Patient Account Module.



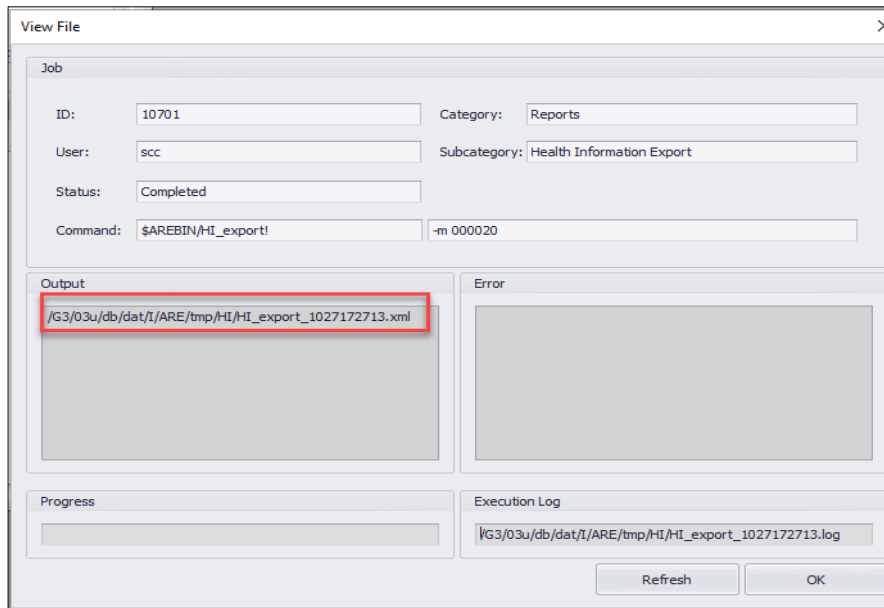
2) Select a patient within the Patient / Invoice Selecting Criteria.

3) Once PAM opens to the selected patient, click on Tools the menu bar and then select Health Information Export.

4) The system will automatically initiate the Health Information Export report job within a View File dialog.



5) Double click on the Output within the View File dialog to view the report.



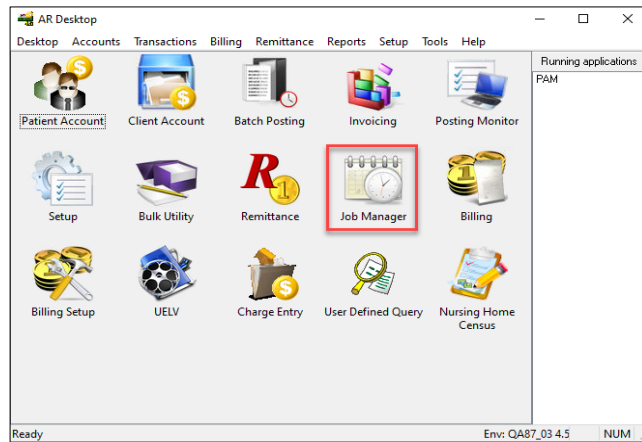
6) Viewing brings up the AR PrintApp window. The EHI Export file may be saved to any accessible location from here.

### Bulk Patient Export

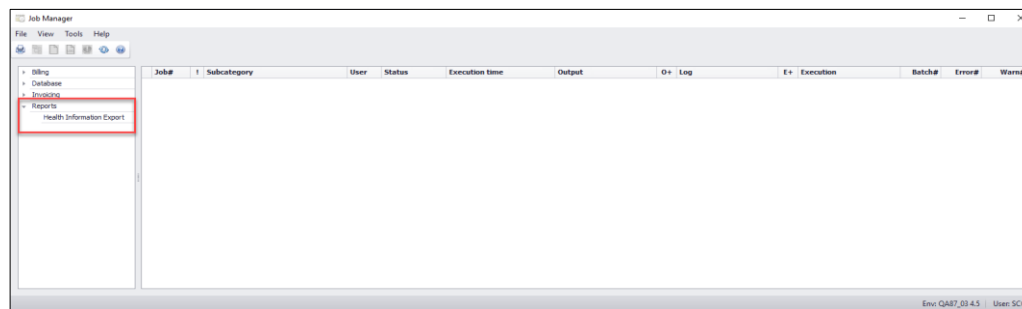
To export EHI for a batch of patients, SCC services will be required to manage the process. An export may be filtered by patient type, clinic code, or order range, or may include the full population of patients held in SCC systems. A bulk export requires management of available resources to format output messages, create and save files, and transport the data. The "Bulk" or "Patient Population" Export also follows the specifications for message structure and content detailed herein. Please contact your SCC representative to arrange for such a procedure.

## Accessing a Previous Export

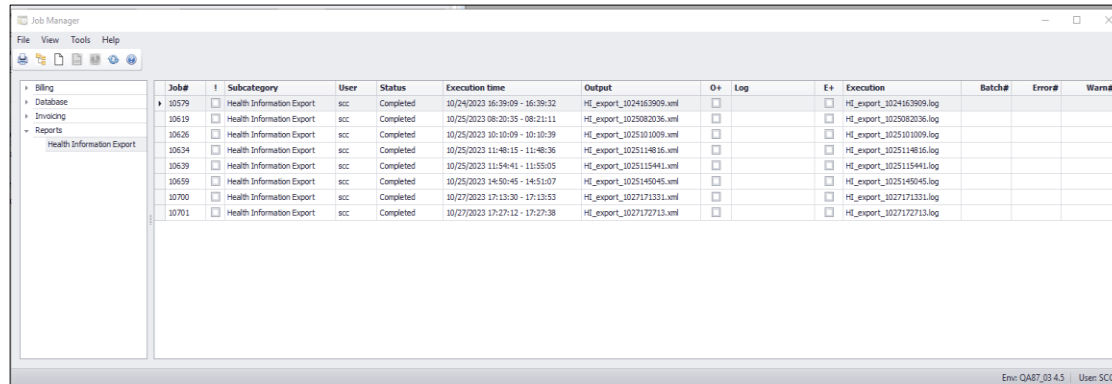
- 1) To view Health Information Export reports previously generated, open Job Manager.



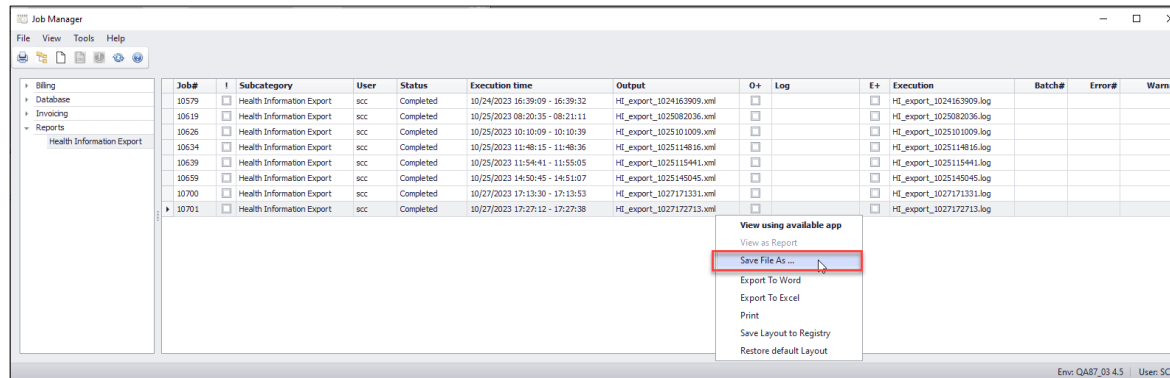
- 2) Within Job Manager, open Reports and select Health Information Export.



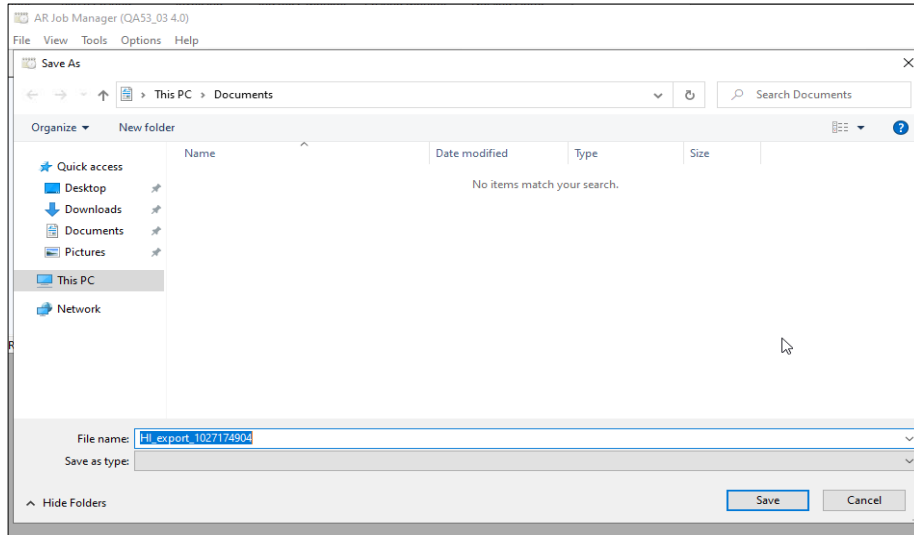
- 3) When Health Information Export is selected, all jobs created within the View's Cut off Date will be displayed. Double click on the Output field to view the Health Information Export.



- 4) The User can right-click within the Output field and select Save File As... to save to a user defined directory.







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Data Elements							
Element	Type	Card	Output	Notes			
<b>Patient Information</b>							
<b>patientLevel</b>							
scclMrn	String	1..1	Patient MRN	The Medical Record Number.			
patientName		1..1					
lastName	String	0..1	Patient Last Name	Patient Last Name			
firstName	String	0..1	Patient First Name	Patient First Name			
middleName	String	0..1	Patient Middle Name	Patient Middle Name			
prefix	String	0..1	Patient Name Prefix	Patient Name Title/Prefix			
suffix	String	0..1	Patient Name Suffix	Patient Name Suffix			
dateOfBirth	Date	0..1	Patient Date of Birth	Patient Date of Birth: YYYY-MM-DD format			
sex	String	0..1	Patient Sex	Patient Sex: <b>M</b> = Male <b>F</b> = Female <b>U</b> = Undefined			
patientAddress		0..1					
addressLine1	String	0..1	Patient Address, line 1	Patient Street Address			
addressLine2	String	0..1	Patient Address, line 2	Patient Street Address - Additional			
city	String	0..1	Patient Address, city	Patient's City of residence			
state	String	0..1	Patient Address, state	Patient Address, State			
zip	String	0..1	Patient Address, zip code	Patient Address, Zip Code			
financialLevel	Record	0..*		Financial level resources			
<b>Invoice Data</b>							
<b>financialLevel</b>							
encounter		1..*					
scclId	String	1..1	Invoice Number	Patient Invoice Number			
date	Date	1..1	Date of Service	Date of Service for the Invoice: YYYY-MM-DD format			
orderingProvider		0..1					
lastName	String	0..1	Requesting Doctor Last Name	Ordering / Requesting Doctor Last Name			
firstName	String	0..1	Requesting Doctor First Name	Ordering / Requesting Doctor First Name			
npId	String	0..1	Requesting Doctor NPI	Ordering / Requesting Doctor NPI			
renderingProvider		0..1					
lastName	String	0..1	Performing Doctor Last Name	Performing Doctor Last Name			
firstName	String	0..1	Performing Doctor First Name	Performing Doctor First Name			
npId	String	0..1	Performing Doctor NPI	Performing Doctor NPI			
chargeLevel	Record	0..*		Charge level resources			
transLevel	Record	0..*		Transaction level resources			

Element		Type	Card	Output	Notes
<b>Item Info</b>					
<b>chargeLevel</b>					
	invoice			1..*	<i>idx</i> : Invoice extension <i>status</i> : <b>Active / Canceled / Posted</b>
	item name	Text	0..1	Item Description	Item Name > CPT Code Description
	cpt	String	0..1	CPT Code	CPT Code
	cdm	String	0..1	CDM Code	CDM Code
	mod i="1"	String	0..1	Modifier #1	Billing service code modifier
	mod i="2"	String	0..1	Modifier #2	Billing service code modifier
	mod i="3"	String	0..1	Modifier #3	Billing service code modifier
	mod i="4"	String	0..1	Modifier #4	Billing service code modifier
	dx i="1"	String	0..1	Diagnosis Code #1	Test level ICD10 diagnosis code
	dx i="2"	String	0..1	Diagnosis Code #2	Test level ICD10 diagnosis code
	dx i="3"	String	0..1	Diagnosis Code #3	Test level ICD10 diagnosis code
	dx i="4"	String	0..1	Diagnosis Code #4	Test level ICD10 diagnosis code
	quantity	Numeric	0..1	Quantity	Number of units
	charge	Numeric	0..1	Charge	Unit Charge amount
	paid	Numeric	0..1	Paid Amount	Item amount paid at time of export
	balance	Numeric	0..1	Balance	Item balance of invoice at time of export
	performingLab		0..1		Item Performing Laboratory details
	npild	String	0..1	Item Facility NPI	Item Performing Laboratory NPI (National Provider Identifier) number
	cliald	String	0..1	Item Facility CLIA	Item Performing Laboratory CLIA (Clinical Laboratory Improvement Amendments) number
<b>Transaction Data</b>					
<b>transLevel</b>					
	transaction			1..*	Transaction ID / Transaction Code representing the type of transaction (e.g. INV/Invoicing, VOID/Invoicing recalculation, BILL/Billing, etc...)  <i>uid</i> : Transaction counter <i>idx</i> : Transaction extension <i>sccl/d</i> : User defined, such as <b>INV</b> =Invoicing / <b>VOID</b> =Invoicing recalculation / <b>BILL</b> =Billing The financial classification of the Transaction code. The options are: <b>CHARGE</b> – This transaction generates revenue for the lab. <b>PAYMENT</b> – This transaction is used to register received payments. <b>ADJUST</b> – This transaction includes a financial operation that is neither a charge nor a payment transaction. <b>ACTION</b> – This transaction is a non-financial operation (for example, a bill).
	kind	String	0..1	Kind	
	descr	Text	0..1	Transaction Description	The description of the transaction code.
	amount	Numeric	0..1	Amount	The Transaction Amount
	date	Date	0..1	Date	Transaction Date: YYYY-MM-DD format
	payor	String	0..1	Payor Description	Transaction Payor Description

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**Example output message**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Message>
  <Date>2023-10-30</Date>
  <Time>08:12:29</Time>
  <Data>
    <patientLevel>
      <scclMrn>00000000000000000002</scclMrn>
      <patientName>
        <lastName>BPATIENT</lastName>
        <firstName>BRADLEY</firstName>
        <middleName></middleName>
        <suffix></suffix>
        <prefix></prefix>
      </patientName>
      <dateOfBirth>1951-02-07</dateOfBirth>
      <sex>M</sex>
      <patientAddress>
        <addressLine1>1234 MAIN STREET</addressLine1>
        <addressLine2>APT 3456</addressLine2>
        <city>NEW PORT RICHEY</city>
        <state>FL</state>
        <zip>34652</zip>
      </patientAddress>
      <financialLevel>
        <encounter>
          <scclId>LG62500001</scclId>
          <date>2023-10-25</date>
          <orderingProvider>
            <lastName>AARONSON</lastName>
            <firstName>HADASSAH</firstName>
            <npild>1225169238</npild>
          </orderingProvider>
          <renderingProvider>
            <lastName>BARTHOLOMEW</lastName>
            <firstName>ANN</firstName>
            <npild>1356471767</npild>
          </renderingProvider>
          <chargeLevel>
            <invoice status="Active" idx="1">
              <item name="Assay of phosphorus">
```

```

    <cpt>84100</cpt>
    <cdm>11242922</cdm>
    <mod i="1"></mod>
    <mod i="2"></mod>
    <mod i="3"></mod>
    <mod i="4"></mod>
    <dx i="1">A00.9</dx>
    <dx i="2">A03.8</dx>
    <dx i="3">B00.7</dx>
    <dx i="4">B00.50</dx>
    <quantity>1</quantity>
    <charge>39.00</charge>
    <paid>0.00</paid>
    <balance>32.00</balance>
    <performingLab>
      <npild></npild>
      <cliald>12D4567890</cliald>
    </performingLab>
  </item>
  <item name="Assay of creatinine">
    <cpt>82565</cpt>
    <cdm>11242732</cdm>
    <mod i="1"></mod>
    <mod i="2"></mod>
    <mod i="3"></mod>
    <mod i="4"></mod>
    <dx i="1">A00.9</dx>
    <dx i="2">A03.8</dx>
    <dx i="3">B00.7</dx>
    <dx i="4">B00.50</dx>
    <quantity>1</quantity>
    <charge>51.00</charge>
    <paid>0.00</paid>
    <balance>42.50</balance>
    <performingLab>
      <npild></npild>
      <cliald>12D4567890</cliald>
    </performingLab>
  </item>
</invoice>
</chargeLevel>
<transLevel>
  <transaction scclId="INV" idx="1" uid="71">
    <kind>CHARGE</kind>
    <descr>Invoicing</descr>
  </transaction>
</transLevel>

```

```
<amount>90.00</amount>
<date>2023-10-25</date>
<payor scclid="00201">MEDICARE</payor>
</transaction>
<transaction scclid="BILL" idx="1" uid="72">
  <kind>ACTION</kind>
  <descr>Billed to 00201</descr>
  <amount>90.00</amount>
  <date>2023-10-25</date>
  <payor scclid="00201">MEDICARE</payor>
</transaction>
<transaction scclid="CK" idx="1" uid="73">
  <kind>PAYMENT</kind>
  <descr>CHECK PAYMENT</descr>
  <amount>-15.50</amount>
  <date>2023-10-25</date>
  <payor scclid="00201">MEDICARE</payor>
</transaction>
</transLevel>
</encounter>
</financialLevel>
</patientLevel>
</Data>
</Message>
```