PCE Care Management Version 9.4
Electronic Health Information Export (b)(10)
System Documentation

Product Name: PCE Care Management

Product Version: 9.4

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Introduction

The data export process allows authorized EHR users to export patient-related electronic health information out of the EHR system. Data may be exported per patient or for all patients within the EHR.

Export Format

The export process produces one or more password-protected zip files each containing information about the export process, data for one or more patients, and the structure and syntax of the data. The password is provided with the zip file(s).

Each zip file also contains the following files / directories:

1. *meta.json* – This file contains information about the export process that produced the data, including who ran it and when.
2. *documentation.json* – This file contains EHR system information and a list of data definitions, descriptions, and types for exported resources, as described in the "Resource / Data Definitions" section below.
3. *Patient_[EHRPatientId]* – One or more subdirectories are included where patient-specific data is found as described in the "Patient Subdirectories" section below.

Resource / Data Definitions

The *documentation.json* file contained within the zip file includes a JSON-structured index of all possible resource definitions. This is available under the attribute "resourceDefinitions". Resource Definitions consists of a list of resources each having two properties:

1. *Name*: This property distinguishes the resource and is used to reference the resource from within the exported patient data
2. *propertyDefinitions*: This is a list of the properties comprising a resource.

Property Definitions are represented by the following attributes:

1. *name*: This property distinguishes the property
2. *type*: This represents the data type of values stored within the property, which comes from the following values:
   a. *CLOB* – Character Large Object Value
   b. *DATE* – A date represented in YYYY-MM-DD format
   c. *DECIMAL* – Numeric value with a precision and scale
   d. *INTEGER* – Numeric, whole-number value
   e. *RESOURCE* – A reference to another resource within the export. This contains the following additional attributes:
      i. *resource* – identifies the *name* attribute of the referenced resource
      ii. *id* – matches the value of the *id* attribute of the referenced resource
   f. *STRING* – Alphanumeric / variable character field
   g. *TIMESTAMP* – A date and time represented in YYYY-MM-DD HH:MM:SS format

Patient Subdirectories

The zip file will contained one subdirectory for each patient whose data was exported through this process. The *[EHRPatientId]* within the directory name is the unique identifier (e.g., Case Number / MRN) of the patient within the EHR. Each patient subdirectory contains the following:

1. One Newline-Delimited JSON (NDJSON) file for each applicable resource. Each NDJSON file contains all data for that resource related to the patient, formatted as described in the ***documentation.json*** file. Resource files are only present in the patient subdirectory when patient data exists for that resource.
2. ***Files*** subdirectory , which contains exported, non-computable files that contain data related to the patient (e.g., scanned documents, PDFs, etc.). Resources that reference a file in this directory identify the file via property ***fileName*** or ***imageName***. The value of this property matches the name of the corresponding file in the ***Files*** directory.