



ONC 21<sup>st</sup> Century Cures Edition Certification  
170.315(b) (10) Electronic Health Information (EHI) Export

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## Electronic Health Information (EHI) Export Documentation

## Compulink Advantage EHI Export

## COMPULINK ADVANTAGE 12

## 1. Introduction

EHR (Electronic Health Record) systems provide means for exporting PHI (Protected Health Information) to allow healthcare providers to share information efficiently while maintaining the privacy and security of patient data. Compulink Advantage offers access to the application and files that allow users of export files to access export format documentation to process EHI after it has been exported by the Advantage product.

This documentation guide will provide the user an understanding of the resulting files from the PHI Export. It will explain how to read the files, understand the meaning behind fields and connections, and offer other insight to properly make use of this extensive amount of information. For information on how to run this function or any other function or tool in Compulink Advantage please refer to the eLearning Help Manual and Compulink University content made available to all users.

## 2. Understanding the Files

As per requirements an export may contain one patient, or a full collection of patients. The result will be a **password protected ZIP file**. The password is provided when the function completes.

Inside this collection you will find a series of files containing the patient demographics, medical records, billing records, images, and more.

### a. Tables

These files will be exported as a flat CSV file.

The naming structure will be P###\_TABLENAME.csv. Where ### is the patient identifier number, and TABLENAME is the table data referenced.

For example, P20\_EXAMDIAG.csv would be patient ID: 20, Exam Diagnosis table.

### b. Images

These files will be exported in their native image format. Generally, but not limited to PDF, PNG, and JPG.

The naming structure will be P###\_E/D###.###.csv. Where ### is the patient identifier number, E/D will either be E or D, noting this is a demographics document (D), or an exam document (E). ### references the image's unique identifier.

For example, P20\_E20\_1579.PDF would be patient ID: 20, Exam image, Image Reference ID: 1579.

#### Additional Notes:

- If a full collection of patients was exported instead of a single patient, the P###\_ identifier will be noted a PQ\_.
- .FLD files are discussed in Section 3 below.

### 3. Linking the Files

Perhaps the most important piece of using this collection of files is understanding how they work together to build out a complete picture for the resulting patient(s). At a high-level, every file involved with a single patient will be abbreviated with the same P###\_ identifier as explained in the section above. For a collection of patients, the table file will include all patients in one file per table.

Taking a step down, and focusing on the CSV file, its broken up into two categories. Demographics/Billing related files and Exam related files.

#### a. Demographics/Billing related files

These are all the CSV files where the table name does not start with EXAM. Their unique identifiers may be referenced in an exam, but they are not exam specific. The key field is the Patient Identifier Number, otherwise known as the PATUNIQUE. For key demographic information, \*\_PATIENT.csv should be used.

#### b. Exam related files

These are all the CSV files where the table name starts with EXAM. The EXAM table itself is the prominent table (\*\_EXAM.csv), and every other EXAM[*SUB TABLE NAME*] will link back to a specific exam via the Exam Identification Number, otherwise known as the EXAMUNIQUE.

#### c. Image files

As exemplified in the previous section there are (D) and (E) image files. For Demographics Images (D), the image unique identifier can be matched up with the DOCUNIQUE found in the DOCUMENT table CSV file for additional information.

For Exam Images (E) the image unique identifier can be matched up with the IMAGUNIQUE found in the EXAMIMAG table CSV file for additional information.

### 3. Understanding the Fields and Descriptions

Due to the comprehensive customization allowed within the software, there is no “one size fits all” list of fields. However, alongside each main CSV file exported, there will be an accompanying .FLD file.

#### a. FLD files

These files are basic text files with a .FLD extension (fields). Each row will have a field name from that related table along with a description when available.

For example, as part of the \*\_Patient.CSV, the \*\_PATIENT.FLD includes (snippet):

Name: ERXCONSENT, Description: E-Rx History Consent

Name: GENDERIDENTITYNOTE, Description: Gender Identity Note

Name: SEXUALORIENTATIONNOTE, Description: Sexual Orientation Note

## 4. Usage Terms

### a. Definitions

- a. "Compulink Advantage EHR" may be referred to as "we," "our," or "us" in this Agreement and designates Compulink Advantage EHR Healthcare Systems, Inc.
- b. "Healthcare Provider" or "our clients" refers to licensed active users of Compulink Advantage EHR.
- c. "You" encompasses anyone acting on your behalf, company employees, contractors, or any party who directly or indirectly accesses, utilizes, or views information originating from the API.

### b. Acceptance of Terms

- a. By accessing or using Compulink Advantage, you agree to adhere to the terms and conditions set forth in this Document, which collectively constitute the "Terms."

### c. Fees

- a. Usage of the Compulink PHI Export as listed above does not contain any additional fees for API setup, configuration or access.
- b. For clients hosted on our cloud instances, there may be fees in regard to greater data storage needs or IT assistance should the export size exceed the contracted available size of your instance.
- c. Costs and Limitations are publicly available.

### d. Compliance with Laws and Regulations

- a. You shall comply with all applicable laws, regulations, and third-party rights when using Compulink Advantage. This must not be used for illegal activities or in violation of third-party rights. It must not violate other terms of service with Compulink Advantage EHR or our clients.
- b. You must ensure that your company's employees, affiliates, contractors, and anyone acting on your behalf comply with applicable laws, regulations, and these Terms, including not knowingly enabling violations.

### e. Permitted Access and Limitations

- a. Compulink or the data owner (such as the medical organization) reserves the right to remove or restrict access to users. Other reasons for removal include, but are not limited to:
  - a. Sublicense or share any protected connectivity content from the product for use by a non-registered application.
  - b. Perform an action with the intent of introducing the interface to any viruses, worms, defects, Trojan horses, malware, or any items of a destructive nature.
  - c. Defame, abuse, harass, stalk, or threaten others.
  - d. Interfere with or disrupt the APIs or the servers or networks providing the APIs.
  - e. Reverse engineer or attempt to extract the source code from any API or any related software, except to the extent that this restriction is expressly prohibited by applicable law.
  - f. Promote unlawful online gambling or disruptive commercial messages or advertisements.
  - g. Remove, obscure, or alter Compulink Advantage EHR terms of service or related notices.
  - h. Collecting data outside the agree upon context of usage.
- b. Assigned credentials must be used solely for their intended purposes and within assigned access scopes.

#### f. Security and Ownership

- a. You must exert commercially reasonable efforts to protect information accessed by your designee, including personally identifiable information ("PII"). Unauthorized access or use must be promptly reported as required by law.
- a. Data exported is owned by the "data owner" not Compulink Healthcare Solutions.

#### g. Representation and Use of Logo and Trademarks

- a. You must not make statements implying a partnership, sponsorship, or endorsement by Compulink Advantage EHR without our prior written approval. Compulink Advantage EHR retains exclusive ownership of its trademarks. Usage of Compulink Advantage EHR's name, logo, and trademarks must adhere to our written guidelines.

#### h. Limitation of Liability

- a. Compulink Advantage EHR and our clients will not be responsible for certain losses or damages as permitted by law. Our total liability for any claim under the Terms is limited to the amount you paid us or our clients to use the applicable product.

#### i. Indemnification

- b. If you are a business, you will defend, indemnify, and hold harmless Compulink Advantage EHR and our clients, directors, officers, employees, and users against certain liabilities, damages, losses, costs, fees, and expenses relating to third-party legal proceedings arising from your misuse of the APIs, violation of the Terms, or content used with any function.

## 5. General Information

The function meets the requirements of the Electronic Health Information export criterion §170.315(b)(10) in the 2015 Edition Cures Update.

## 6. Contact Information

For any developer related question regarding Compulink PHI Export please contact (Please note, any questions about the data itself should be directed toward the original data owner/originating office. Compulink will not be able to assist in these inquiries):

Compulink Customer Care

Phone: [805.716.8677](tel:805.716.8677) | Fax: 805.497.4983

[support@compulinkadvantage.com](mailto:support@compulinkadvantage.com)