



American Medical Solutions, Inc

§170.315(b)(10) Electronic Health Information Export Documentation

Table 1 – Document Properties

| Document Owner | Classification | Description | Distribution |
|----------------|----------------|-------------|--------------|
| Arturo Sanchez | Public | | |
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Table 2- Revision History

| Version | Date | Author | Description of Change | Status |
|---------|-----------|-----------------|-----------------------|----------|
| 0.1 | 05/16/22 | Arturo Sanchez | Created | Draft |
| 1.0 | 6/29/2022 | Anthony Puglisi | Approval | Approved |
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Table of Contents

| | |
|--------------------------------------|---|
| <u>1 Overview</u> | 3 |
| <u>2 Export Sections</u> | 4 |
| <u>2.1 Patient Demographics</u> | 4 |
| <u>2.2 Allergies</u> | 4 |
| <u>2.3 Vitals</u> | 5 |
| <u>2.4 Care Team</u> | 6 |
| 2.5 Immunizations | 6 |
| 2.6 Procedures | 6 |
| 2.7 Assessment and Plan of Treatment | 6 |
| 2.8 Laboratory | 7 |
| 2.9 Provenance | 7 |
| 2.10 Medications | 7 |
| 2.11 Smoking Status | 8 |
| 2.12 Clinical Notes | 8 |
| 2.13 Goals | 8 |
| 2.14 Health Concerns | 9 |
| 2.15 Problems | 9 |

1 Overview

Helios EMR allows users, with the right permissions, to export a patient's Electronic Health Information (EHI) as a set of CSV (comma separated value) files. The purpose of this document is to provide the definition and mapping of the resulting CSV files for proper use.

2 Export Sections

System administrators must provide permissions for users that need to have access to the export functionality which is available as an option on the toolbar of Encounter's Summary.

When the export functionality is triggered, the user would need to select the categories of the EHI that needs to be exported, each section (if available) is going to generate an independent csv file which name will be the same as the name of the section, once the data is extracted and the csv files are generated, the system is going to generate a .zip and it is going to download it.

The schema of each section is defined below.

2.1 Patient Demographics

| Column | DataType | Notes |
|-------------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| ChartNumber | varchar | Unique identifier for the patient |
| FirstName | varchar | |
| LastName | varchar | |
| MiddleName | varchar | |
| Suffix | varchar | |
| PreviousName | varchar | |
| DateofBirth | DateTime | yyyy/mm/dd |
| Race | varchar | |
| Ethnicity | varchar | |
| BirthSex | varchar | |
| PreferredLanguage | varchar | |

| | | |
|-----------------|---------|--|
| CurrentAddress | varchar | |
| PreviousAddress | varchar | |
| PhoneNumber | varchar | |
| PhoneNumberType | varchar | |
| EmailAddress | varchar | |

Table 2.1. Patient Demographics schema.

2.2 Allergies

| Column | DataType | Notes |
|----------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Substance | varchar | |
| Reaction | varchar | |
| Severity | varchar | |
| Status | varchar | |
| Non-Medication | varchar | |

Table 2.2. Patient's Allergies.

2.3 Vitals

| Column | DataType | Notes |
|------------------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| SystolicBloodPressure | numeric | |
| DiastolicBloodPressure | numeric | |
| HeartRate | numeric | |
| Respiratory Rate | numeric | |

| | | |
|------------------------------------|---------|--|
| BodyTemperature | numeric | |
| BodyHeight | numeric | |
| BodyWeight | numeric | |
| PulseOximetry | numeric | |
| InhaledOxygenConcentration | numeric | |
| BMIPercentile | varchar | |
| Weight-for-lengthPercentile | numeric | |
| HeadOccipital-frontalCircumference | decimal | |
| Percentile | decimal | |

Table 2.3. Patient's Vitals.

2.4 Care Team

| Column | DataType | Notes |
|-----------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| FirstName | varchar | |
| LastName | varchar | |

Table 2.4. Patient's Care Team.

2.5 Immunizations

| Column | DataType | Notes |
|---------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Immunizations | varchar | |

Table 2.5. Immunizations.

2.6 Procedures

| Column | DataType | Notes |
|------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Procedures | varchar | |

Table 2.6 Procedures.

2.7 Assessment and Plan of Treatment

| Column | DataType | Notes |
|------------------------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| AssessmentandPlanofTreatment | varchar | |

Table 2.7 Assessment and Plan of Treatment.

2.8 Laboratory

| Column | DataType | Notes |
|----------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Tests | varchar | |
| Values/Results | varchar | |

Table 2.8 Laboratory.

2.9 Provenance

| Column | DataType | Notes |
|--------|----------|-------|
| | | |

| | | |
|---------------------------|---------|---|
| Id | long | Unique identifier for each record in the table. |
| AuthorTimeStamp | varchar | |
| AuthorOrganization | varchar | |

Table 2.9 Provenance.

2.10 Medications

| Column | DataType | Notes |
|--------------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Medications | varchar | |

Table 2.10. Medications.

2.11 Smoking Status

| Column | DataType | Notes |
|----------------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| SmokingStatus | varchar | |

Table 2.11. Smoking Status.

2.12 Clinical Notes

| Column | DataType | Notes |
|-----------------------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| ConsultationNote | varchar | |
| DischargeSummaryNote | varchar | |
| History&Physical | varchar | |

| | | |
|-----------------------------|---------|--|
| ProcedureNote | varchar | |
| ProgressNote | varchar | |
| ImagingNarrative | varchar | |
| Laboratory Report Narrative | varchar | |
| Pathology Report Narrative | varchar | |

Table 2.12 Clinical Notes.

2.13 Goals

| Column | DataType | Notes |
|---------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Patient Goals | varchar | |

Table 2.13 Goals.

2.14 Health Concerns

| Column | DataType | Notes |
|-----------------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Health Concerns | varchar | |

Table 2.14 Health Concerns.

2.15 Problems

| Column | DataType | Notes |
|----------|----------|---|
| Id | long | Unique identifier for each record in the table. |
| Problems | varchar | |

Table 2.15 Problems.

