



Jeff Murray's Programming Shop, Inc.

Importing EHR Data into CAREWare

A Standard, Automated Method

Updated March 22, 2012

Many agencies that use CAREWare also manage a commercial electronic health record (EHR). We have developed a standardized, automated process that imports data from the EHR into CAREWare and eliminates most duplicate data entry. This document provides an overview of how this system works through import of Admission, Discharge, and Transfer (ADT) data in HL7 format.

What is the CAREWare HL7 ADT Interface?

The HL7 ADT interface monitors and processes real-time HL7 feeds sent by many large EHRs. When CAREWare is configured to monitor these feeds and map the incoming data, it automatically can import labs, demographics, appointments, and services, eliminating the need for double entry.

Currently CAREWare can be configured to process feeds from Cerner Millennium and Epic. However, since the HL7 ADT specification is standard across most platforms, it should require little or no additional development to enable HL7 imports from other EHRs.

The interface consists of a separate Socket application that can listen for and receive the feeds and temporarily store the messages in a document database. CAREWare has features that can process messages stored in the document database and import them as CAREWare records.

What data can CAREWare process from the HL7 ADT Interface?

- Demographics
- Labs, Screening Labs, and Screenings
- Hospitalization Records
- Appointments
- Services
- Diagnoses

What is required to implement the interface?

- An EHR capable of sending CAREWare an HL7 ADT feed
- IT resources for configuring and monitoring the feed

What are the first steps?

- Using the technical support resources provided by your EHR, research the HL7 ADT export capabilities of the EHR. Most EHRs provide an ADT message processing implementation guide or something similar.
- Design a plan to match feeds with existing CAREWare feed monitoring options (see the list of data processed by the interface, above).
- Install and configure the CAREWare Socket listener and its associated COUCHBASE document database.
- Configure CAREWare to process the feeds properly.

How can I get help?

jProg developed the HL7 ADT feed interface under projects supported by CAREWare-using service providers. jProg is distributing the Socket component and basic documentation without charge to CAREWare users, and other important new features are already part of CAREWare.

Additional support or consultation can be acquired through jProg. Contact Bill Devlin by email: billdevlin@jprog.com. The CAREWare Help Desk is not funded to support HL7 ADT feed implementation and operation.

How does it work?

The diagram on the next page summarizes the data flow process.

CAREWare HL7 ADT Data Flow

