

# The DocFinity® HL7 Module: Seamless integration with medical applications

HL7 messages can be used to create and add to electronic patient records and to trigger workflows

## The Need

Historically, healthcare applications were not written with interoperability in mind. Laboratories, hospital information systems, imaging, patient processing, radiology, and other areas had radically different systems with no means of communicating with one another. In order to exchange data with other applications, extensive custom programming had been required.

With the advent of Health Level 7 (HL7), the healthcare industry has adopted a messaging standard to ensure that clinical applications have the ability to exchange information. As a provider of leading healthcare solutions, Optical Image Technology, Inc. has adopted this industry standard.

## The DocFinity Solution

The DocFinity HL7 Module ensures interoperability with your clinical applications, providing a means to exchange, create, and store information without the need for elaborate custom programming. It allows doctors and staff to spend less time with paperwork and have immediate access to comprehensive patient records. Patients also have quicker access to their procedure results.

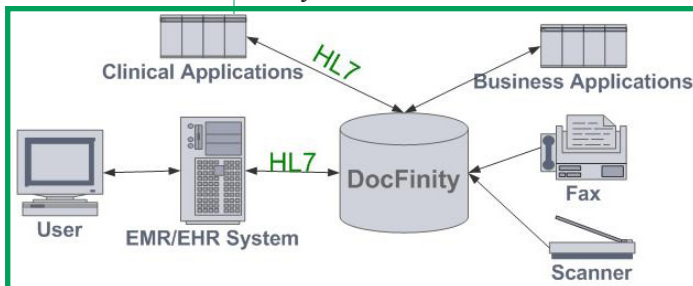
With the HL7 Module, your organization has the ability to compile a truly comprehensive patient record. DocFinity integrates with leading EMR/EHR products to facilitate the capture and imaging of new records. Files can then be uploaded via an HL7 messaging process to the EMR/EHR system, where end users can easily access them. Patient information is easily imported and indexed with DocFinity.

## Key Features

- Ensures interoperability with your clinical applications;
- Provides a means to exchange, create, store, and update information without the need for elaborate custom programming;
- Facilitates the compilation of a truly comprehensive patient record;
- Integrates with (and updates) leading EMR/EHR products to enable the capture and imaging of new records;
- Lab results, patient demographics, risk factors, and other records can all be electronically captured and used to update patient assessment records in every department.

## The DocFinity HL7 Module:

*allows medical applications to interface with the DocFinity system to create comprehensive patient records, initiate workflows, and update EMR/EHR systems.*



## How It Works

While most EMR/EHR products are good at what they do, they are not very good at electronic document management (EDM). They tend to lack true functional imaging and document management tools, and do not offer robust workflow or capture abilities. All of these features are standard components of the DocFinity EDM system.

The DocFinity HL7 Module enables the DocFinity system to interface with clinical, laboratory, imaging, and other medical applications using the industry standard messaging protocol. Electronic health information is shared, retrieved, and exchanged behind the scenes, enabling users to work within their familiar software applications and eliminating the need to learn complicated new programs.

As new patients are registered with admissions, HL7 messages can be immediately passed to DocFinity to facilitate the creation of new patient folders within the DocFinity repository (which can also house records from the business side of your facility), trigger workflows, and update EHR/EMR applications with the new records. As records are created using various healthcare applications, they, too, can be added to DocFinity via HL7. Lab results, patient demographics, risk factors, and other records can all be electronically captured and used to update patient assessment records in every department. **The result: simplified processes for end users; patient records are created and updated behind the scenes to ensure that files are accessible, complete, and free of error.**