



Integration HL7 Interfaces

True products of open source technology, the Crescendo interfaces enable hundreds of healthcare facilities across North America to achieve seamless data exchange and access using the established industry standard for medical information exchange: Health Level Seven. See how Crescendo can help you increase efficiency by sharing data, such as patient demographics, scheduling information, events, deficiency exchange and completed report exchange. Our HL7 engine and interfaces are paving the way for a reliable healthcare environment where data is always up-to-date and processed in real-time.

Hospital Wide

Transcription Interface

This interface is a good example of how Crescendo can help you make the most of your existing resources. By taking care of automatically matching patient information to any dictation and report, the Crescendo HL7 Interface eliminates the need for manual input. As a result, accurate patient results and demographics are always available to all system users in real-time while dramatic process improvements can be achieved.

Report Import

This interface provides a method for different systems to communicate with each other using the HL7 standard. For instance, reports that were typed in a third party system can be imported into the Crescendo environment to benefit from the advanced transcription, authentication, management reporting and/or distribution features offered by MedRite-XL.

Scheduling

By creating a bridge between your central admission or sign-in system and the DigiScribe-XL dictation application, this interface seamlessly establishes dictation schedules that can be easily accessed by Authors and automatically updated if a record changes. This allows Authors to work from fully reliable schedules while eliminating the need to set up schedules manually or input demographic data required for a dictation.

In the Emergency Room

Admission Interface for ER

This interface was specifically designed for wireless dictation through Windows® Pocket PC devices, accelerating report delivery to the point of care. Authors can start dictating by clicking directly on the patient record. The voice file can then be sent over to the transcription department via the facility's wireless network for immediate processing. The dictation can also be sent to our Speech Processing platform totally bypassing manual transcription and making the report ready for the ER Author to access and sign off.

What system(s) do YOU have?

► We have successfully implemented our HL7 interfaces with the following systems:

McKesson	QuadraMed	LogiBec
Meditect	Pharms	Artefact
Cerner	Logician	SMS
Eclipsys	Cloverleaf	Others, upon
Echm	MediSolution	customer demand

In Radiology

Dictation Status Interface

Once a dictation or transcription has been completed, this interface sends an HL7 message to either the Deficiency or RIS system, to inform them of the progression of the file. Relevant healthcare professionals can, for instance, check the progression of a specific order in real-time directly from the main hospital information system. (i.e.: Is the dictation complete? Has the report been signed?)

Orders Interface

Offered as an add-on option to the HL7 ADT Interface, this interface simply supports another level of patient specific record matching. Like the support for patient visit specific encounters, the Orders option provides specific records for every order, such as an X-Ray order or a Lab order, updating the hospital information system in real-time on the status of each order.

Bidirectional Signature

Once a report has been typed by a Transcriptionist, this interface sends an HL7 formatted report back to the HIS system. When the Author edits and signs the report, the interface imports the file into the Crescendo system where it will be locked down - eliminating tampering - and distributed.

In Medical Records

ADT Download Interface

The Crescendo HL7 ADT Interface recognizes Author and Subject demographic data inside foreign systems and merges them into the central database. For instance, every time a new patient is admitted, demographics are automatically sent from the admission system to the dictation and/or transcription platform so that when the Author dictates and the Transcriptionist starts typing, all patient data is instantly populated on the screen, thereby eliminating the need for manual data entry.

The Crescendo HL7 ADT Download Interface also supports visit specific encounters, whereby the system determines whether to update an existing record or create a new record based on visit details or billing requirements.

Master and Detail Processing

By keeping the most recent visit specific information inside the master table, this interface allows healthcare facilities to maintain compact databases for easier management. Stored separately inside the master table, old visit specific data can still be retrieved on demand.

On demand search and report lookup

Acting as a doorway into Crescendo applications in HL7 online query mode, the MD Lookup interface enables medical systems to search for reports inside the Crescendo database as required. A hospital's IT department can thereby write their own interface to access all patient reports available in the Crescendo database.

5305 Notre Dame West, Suite 200,
Laval, Quebec H7W 4T8, Canada
Phone 1-800-724-2930
Fax (450) 973-4449
www.crescendo.com

1 Yonge Street, Suite 1801, Toronto,
Ontario M5E 1W7, Canada
Tel: (416) 214-4272
Fax: (416) 369-0515