



# HL7 Results Report Import

## APOLLO INTERFACE

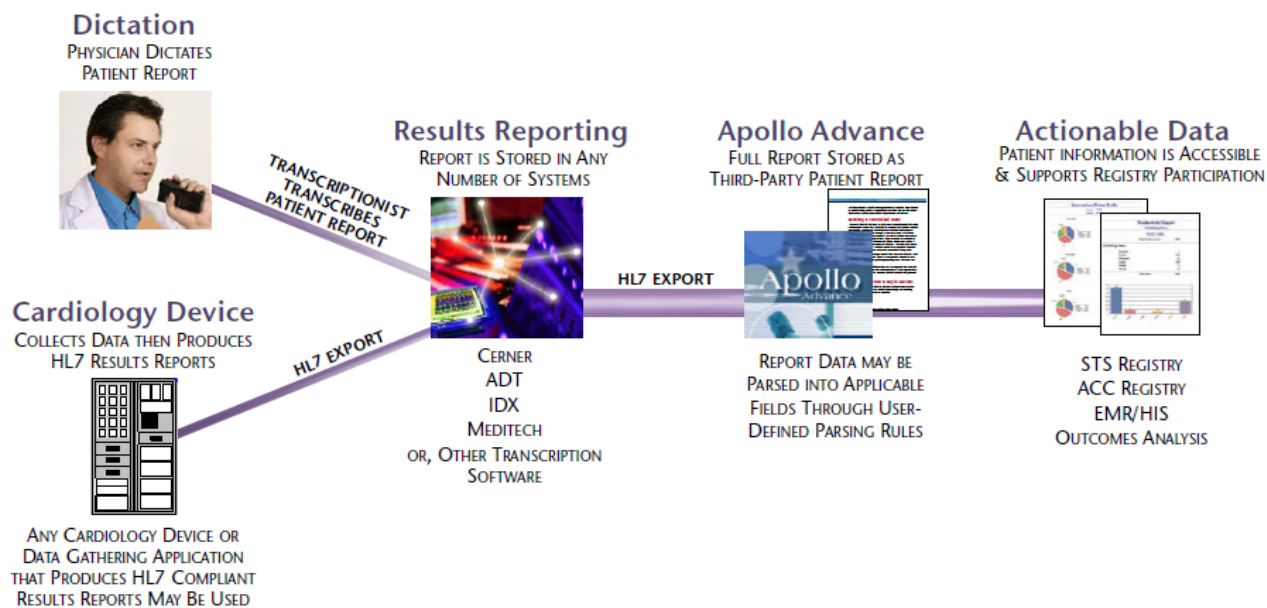
### HL7 Import Unleashes the Power of Automation and Interoperability

The HL7 protocol provides the healthcare technology industry with an efficient means to exchange and communicate data. Previously, individual interfaces had to be custom built to import information from each device into the central data repository. Now the HL7 protocol enables cardiology devices to interface with cardiology information systems or hospital information systems through the LUMEDX HL7 Results Reports Import Interface. LUMEDX's HL7 Results Reports Import Interface enables you to interface to any cardiology device that produces a standard HL7 results report transaction—dramatically increasing the number of devices that can be interfaced and the breadth of information that can be collected automatically.

### HL7 Results Reports Import Interface for Cath, Echo, EP, Nuclear, Radiology, STS and More

The HL7 Results Reports Import Interface automates the acquisition of HL7 results reports produced by third-party devices and applications. For example, rather than dictating patient reports, transcribing the information in the dictation system, printing the report, and then re-typing the information into the Apollo database, the HL7 Results Reports Import Interface transfers the textual contents of reports produced by dictation system into Apollo. The report is then stored as a third-party text report, archived and accessible to support clinical care decisions. This interface process also works for any cardiology device/data gathering application that produces HL7 compliant results reports. LUMEDX currently offers a series of HL7 Results Reports Import Interfaces for echo, EP, nuclear, radiology, PVI, STS, catheterization and many others.

Off the shelf, the HL7 Results Reports Import Interface serves as a “universal interface solution” to import completed patient reports. However, the interface can also be customized to parse reports line-by-line, and extract discrete data into fields for use in more sophisticated outcomes analysis and for registry participation. By automating the acquisition of results reports, hospitals can provide greater access to patient reports, ease registry participation, and capture more comprehensive patient information.



## Key HL7 Results Reports Import Interface Benefits:

- Reduces chart review and searching for information in the patient report
- Eases participation in the ACC and STS Registries
- Eliminates errors associated with duplicate data entry
- Eases the accessibility of patient reports, order information, and test results
- Supports clinical care decisions
- Enables outcomes analysis
- Promotes efficient use of resources
- Improves workflow process for physicians, clinicians, and administrators
- Speeds turn-around time of patient reports
- “Universal interface solution” is compatible with devices that don’t otherwise have device-specific interfaces

## How It Works:

HL7 is a protocol for the exchange of healthcare information. The HL7 Results Reports Import Interface solution enables users to integrate multiple reporting systems and applications, regardless of platform. Clinical and administrative data is packaged and imported from disparate healthcare application and information systems.

The HL7 Results Reports Import Interface solutions may serve any cardiology device that produces a standard HL7 report. Each of the results reporting interfaces include interface configuration, management, and support functions. Sites may elect to “combine” all of their modalities into one interface, or keep them separate based on the Apollo event (echo, nuclear, etc.). In addition, the interface may be operated as a primary import, which creates the event, or as a secondary import, which looks for an existing event with a similar time and date. This functionality enables the HL7 Results Reports Import Interface to be compatible with other interfaces populating the same event such as a hemodynamic system. Once data is imported, the interface can detail:

- Report status
- Availability
- Storage
- Authentic time/date stamp

The interface allows for parsing of the report content on a line-by-line basis as well as provides some minimal manipulation rules to organize report content. The degree to which each report can be parsed depends largely on the individual fields, tags, and structure, as well as the effort each site places in customizing and building specific parser rules. Because of this, LUMEDX does not guarantee that all data can be parsed into individual fields required for registry participation or outcomes analytics.

# Flow Diagram for HL7 Results Report Import to Apollo Advance Echo Module

