ComPAS EMR Interface

Information solutions

For many years ComPAS has led the way in comprehensive data management and EMR interface solutions for pulmonary function labs. All interfaces are written in-house to facilitate direct collaboration with information service professionals at the client sites.

Data from the central ComPAS database can be shared across the system-wide network of testing stations and physician review stations. Using Citrix®, or other VPN access, physicians can complete full PFT interpretations from home or any PC with an internet connection.

At the heart of ComPAS is Microsoft® SQL Server with incredible data storage capacity and all the advantages of database performance.

Typically, tests completed in the PFT lab are first approved by the technician so that a preliminary report/PDF can be sent to the EMR. Once the physician has completed and approved the final interpretation in ComPAS Task Manager, a final report/PDF is sent to the EMR. If necessary, data can be retrieved and returned to the EMR as an amended record.

Features

The ComPAS EMR Interface is extremely flexible and can almost certainly be tailored to fit the specific needs of your organization, regardless of which EMR your are using. HL7 results can be transmitted as discrete data points or as formatted textual reports, or even both if desired. Additionally, a PDF (or TIFF, etc.) of the interpretation report can be transmitted a number of different ways, including:

- Base64 encoding the report into a field in the HL7 message
- Drop off to a networked file share
- An identifier included in the HL7 message with which the report can be directly queried from the ComPAS database

Development of an interface typically involves the following steps:

- A series of one or more specification conferences
- Setting up of the test environment
- Testing of the various interfaces
- Go-live

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Specifications

Server (supplied by customer)
Software: Microsoft SQL Server 2012 or newer
Hardware: Minimum requirements set forth by Microsoft for the SQL-Server version deployed

Work station
CPU: Intel Core i5 (equivalent or better)
RAM: 8 GB or greater
Operating system: Windows 7 or 10
USB: Two available USB ports (2.0 or better)

EMRs currently supported
Epic, Cerner, eClinicalWorks, CPSI, GE Healthcare/Centricity, athenahealth, McKesson Amazing Charts, MediTech, AllScripts, Greenway, Meditab/IMS (embedded), ModuleMD (embedded), Siemens, OmniVision, VA Vista, TSI, and more.
We support ANY EMR/EHR that uses HL7 specifications or similar.

PFT Lab & Interpretation Stations

ComPAS

ComPAS SQL Server

ComPAS HL7 Services

EMR Client

ADT/ORDER

Optional Lab Data

Textural Results

EMR Server

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Physician Interpretation Sessions

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