



"We needed a solution that could integrate information into any remote EMR, be highly secure, simple to implement and supportable across a large physician population with limited resources.

The Novo approach met the criteria in a way that other solutions and technologies we researched could not."

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The emergence of ambulatory EMR's represents a new challenge for hospitals.

More and more requests for electronic interfaces into remote, disparate EMR's are coming in. Competitive pressures are turning these requests into requirements in some areas.

What is needed is a way to integrate the information exchanged between the hospital and the physician into their respective systems, effectively automating the flow of information. This would offer significant improvements in:

- Resource time and effort
- Security and reliability
- Information quality and timeliness
- Value

But achieving this level of interoperability presents many challenges:

- **Connectivity** – EMR's are installed in physician offices and inaccessible from the hospital.
- **Security** – Data must be protected at all times, access controlled and activity audited.
- **Integration** – There may be numerous EMR's from multiple vendors that connectivity and integration.
- **Management and Support** – the system must operate in physician offices where little or no support is available.

To overcome these barriers, Novo created the Novo Grid to securely distribute and synchronize information between hospitals and a variety of remote physician EMR's in the most cost effective, secure and manageable manor possible.

How It Works

Novo's Agent software runs on computers in the hospital and in the physician offices (the EMR location).

The Agents act like mini-HL7 interface engines capturing HL7 messages from local applications, analyzing each one to determine action, and transforming the message if necessary.

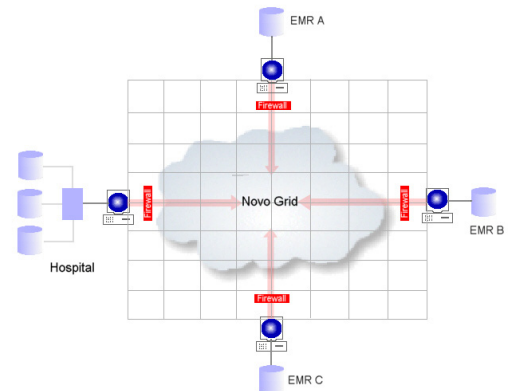
The messages are then encrypted and

distributed over the grid to Agents installed in the offices of the ordering or "copy to" physicians.

The remote Agents are capable of further modifying the HL7 to meet local requirements and delivering it directly into the EMR's interface.

An HL7 acknowledgement is returned to the Agent in the hospital, providing an audit record of the exchange.

This enables lab, pathology and radiology reports along with discharge summaries, operative notes and transcriptions to be automatically exchanged and integrated.



Benefits

- A simple and reliable method of distributing and synchronizing information between hospitals and a variety of remote EMR's.
- An infrastructure that guarantees the delivery, privacy and security of data.
- An automated interface that does not require users to handle information or be trained and supported.
- A solution that is quickly installed, remotely configured, managed and supported.
- Virtually extends the hospital's HL7 interface engine to remote EMR's anywhere in the community,
- Provides a standard way to support a wide variety of EMR's that may be used by physicians.
- Provides a remote application platform for future collaborative efforts with physicians and other across the community.