*Healthcare Challenges:*

*H*ealthcare providers and payers require secure sharing and exchange of patient health information (PHI). To ensure quality of care and to lower risks requires secure exchange of patient information. Such information includes a long list of data types and must be available to many stakeholders. Several factors impede the sharing of the data. These include multiple heterogeneous systems and vendors, laws and regulations. This has implications for both the quality of care, its cost and patient outcomes. PHI needs to be exchanged between insurers and providers. Providers may belong to the same organization but often they belong to multiple distinct healthcare and non-healthcare organizations.

*Case Study*

*Needs:*

A large provider (HPP) needed to synchronize files from various providers, employers’ enrollments, dentists, billing and much more. Large number of files needed to be moved each month between systems and geographic sites. File sizes ranged from a few kilobytes to over 32 GB each for orders, notes, X-rays, etc.

*Solution:*

EnduraData helped the HPP sync data in real time between a wide range and number of servers in multiple cities and integrate with their various healthcare insurers and provider operations*.* To best guarantee data protection, all communications are encrypted using advanced encryption methods.

Extensive history allows the sending and the receiving parties to keep track of which files were modified and sent, which ones were received, when and how much data was sent and where the files came from or sent to. Every time a file changes, the changes are propagated to one or more remote locations therefore allowing the other partners to receive data continuously as it is changed. If desired, only the portions of the files that changed are sent (deltas). This reduces the amount of bandwidth used, increases the transfer speeds, reduces windows of vulnerabilities to data loss in case of a disaster and reduces human errors.

*Value Received:*

The many benefits received include:

* Faster and more immediate access to critical data for patient care
* Protection of confidential data
* Validation that data is accurate, complete and current
* Access to history data if and when needed
* Improved processes for sharing the data with appropriate share holders
* Improved decision making with the most current data available

For more information on the above, visit [www.enduradata.com/ehealth-hie](http://www.enduradata.com/ehealth-hie)-rg1  or contact us at 952-746-4160 or email us at richg@enduradata.com.