



# Case Study

## Electronic Health Record Management System

### Business Challenge

The Electronic Health Record (EHR) is a longitudinal electronic record of patient health information generated by one or more encounters in any care delivery setting. Included in this information are patient demographics, progress notes, problems, medications, vital signs, past medical history, immunizations, laboratory data and radiology reports.

Our client Medplexus wanted to customize the existing EHR to have enhanced results. Our client wanted customized solutions to seamlessly and rapidly Interface to Legacy Systems which connect to other points in the healthcare network-hospitals, billing departments, labs, pharmacies, payers and other physician groups. Our client wanted to offer even more efficient service to their customers and grow their profits and business by making the portal to support PDAs, tablet PCs, portable PCs and Desktop PCs.

### JIVA's Solution

EHR helps physicians provide a higher level of care for their patients and it automates their workflow with dynamic pull-through technology. We customized from Patient registration to Patient Visit forms, from Patient summary to E-prescription, from Lab results to Patient Billing and finally Clinical note to Action required Messages. To make the portal available to the patients using PDAs, tablet PCs, portable PCs and Desktop PCs, we developed a Web Patient Portal.

### Business Impact

The value proposition that we provided the client was secure, portable, effective and efficient application. We used SSL (Secure Sockets Layer) to provide security for the patient's data being uploaded through web portal. We developed the application to provide the patient's health history logs in PDF format with mail encryptions and digital signatures. The Patient web portal works effectively and efficiently where the patient's can login; give appointments, View Medical summary etc. We designed and customized the application to support full HIPAA compliance.

