

Electronic Medical Record Solution for Chiropractic industry

Client Profile

The client is a US based IT Solutions Company providing leading edge Software Development and IT Consulting Services.

Business Need

The client had approached us to outsource the development of MS Windows-based electronic medical records system (EMR) for the chiropractic industry that is capable of scheduling, billing, electronic medical records and reporting.

Solution

Gateway developed Windows-based EMR product for a Chiropractic clinic. Acting as a single gateway it integrates the complete staff across all processes – patient records handling, appointment scheduling, billing systems, and the claim processing.

We had implemented the following key features:

- Integrated appointment scheduler
- Centralized document repository to store & retrieve patient records
- Comprehensive patient's examination recording for a chiropractor like patient's vitals, medical history, case history, neurological tests, orthopedic tests, diagnostics and treatment plans etc.
- Integrated billing system supports the electronic claims submission and ERA processing using FTP access
- Integrated with third party clearing house (Gateway EDI)
- Generate HIPAA 837 Format claims
- Customizable templates for variety of tests
- Automated database creation and population
- Powerful search function

- ERA (Electronic Remittance Advice) processing from the clearing house and record payments into the system

Challenges

Several characteristics of the healthcare domain have presented challenges to developing EMR and ensuring the usability and utility of the system

- The client hired Health Care Practice Management - HCPM, a medical billing expert firm for Bills & Claims related consultation. HCPM's unavailability and dull response causes delay in getting information about typical requirements/configurations
- It was difficult and time-consuming process to keep balance between the client's requirement and HCPM inputs.
- Coordination between Claims processing service (Gateway EDI), HCPM and balancing the Project requirements

Benefits

- Fully functional & complete solution for a Chiropractic clinic
- Meets HIPAA compliance requirement
- Electronic claims processing using services of Gateway EDI Clearing House
- Self-intuitive UI with MS-Office 2007 type layout
- Reduce operating costs
- Improve quality of patient care
- Eliminate medical errors



Case Study

Screenshots

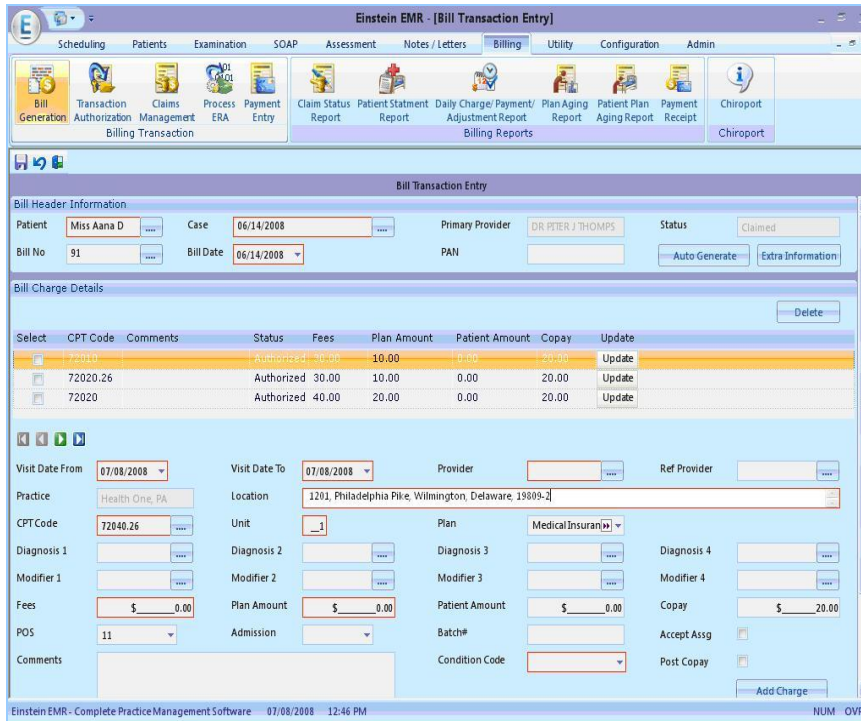


Figure 1: Bill Transaction Entry screen

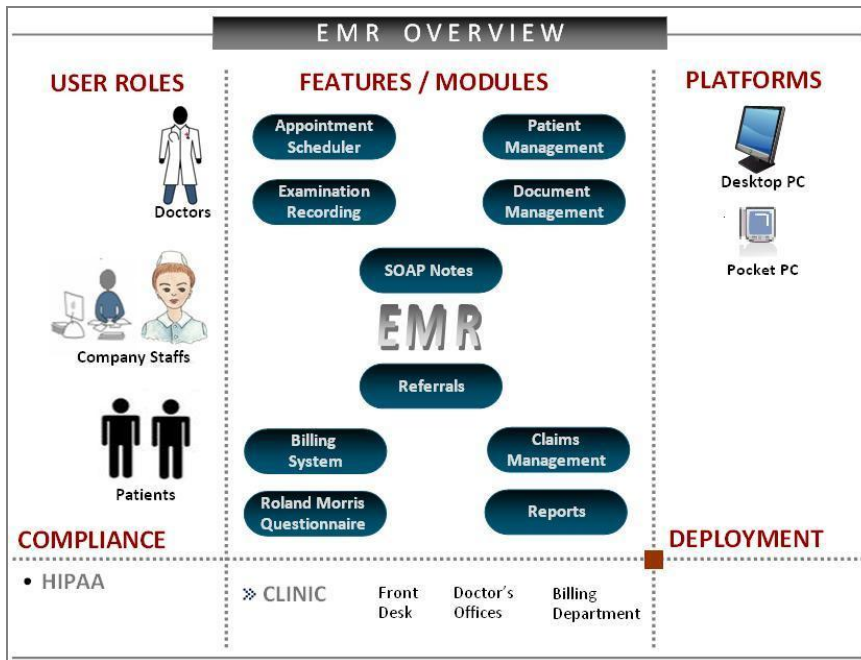


Figure 2: EMR Functional Overview

Technology

- MS .Net Framework 2.0 (C#)
- MS-SQL Server 2005
- Infragistics NetAdvantage for .NET 2008 Vol. 1 CLR 2.0
- VintaSoftTwain.NET Library 4.0 for Scanner Integration

Industry

- Healthcare

