



MedPrime



Introduction

Med USA is a Physician Services Organization providing a suite of services to aid physicians in collecting payment for the services they provide.

An Electronic Medical Record (EMR) is complete solution designed to implement a totally paperless healthcare workflow. EMRs eliminate the usage of redundant paperwork by allowing patient records to be accessed at the actual point-of-care while addressing all clinical, administrative and follow-up processes electronically. EMR adoption helps achieve higher quality & safety, more efficient healthcare delivery, hassle-free workflow and time and cost savings. In this document, we discuss about MedPrime and how MedPrime gives clients an effective edge in implementing their strategies for effective EMR implementation.



Project Title

MedPrime

Client

Physician Services Organization, USA

Technologies

- Framework - MVC (Model View Controller)
Framework using Struts 1.1
- Java JDK 1.4, JSP, Ajax, JQuery, JavaScript
- Restful web services
- Database - DB2 on AS400
- Server - WebSphere 6.0

Project Overview

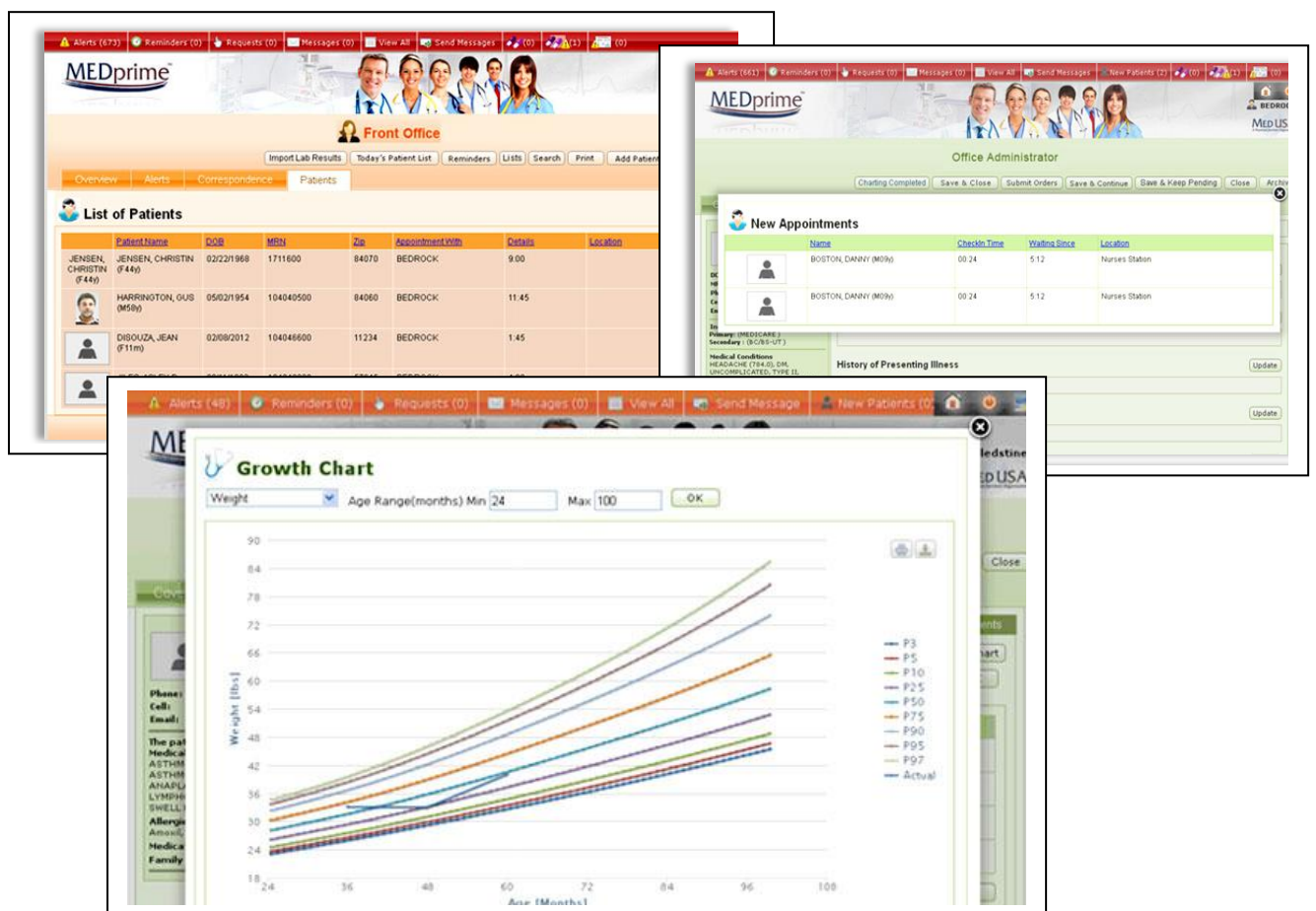
Med USA decided to move forward with the development and implementation of an electronic medical record system to improve patient safety and quality care. The objective of the EMR was to allow enhanced clinical flow and better access to real-time information to healthcare professionals about their patients. KMG, having more than 20 years of expertise in Healthcare IT solutions was chosen by Med USA to develop a comprehensive solution using digital information to deliver care.



The objective, however, was also to drastically alleviate paperwork and provide an electronic mechanism to securely share critical patient treatment data, improve coordination of care between service providers through interoperability and providing opportunities to reduce costs by streamlining and automation of operations.

The complete EMR would perform all activities pertaining to a secure, web based portal for patients and care providers through a web-enabled interface. Patients and care providers will be able to schedule appointments and communicate using the interface. Also, the software will be compliant with industry standards and protocols (e.g. HIPAA) and capable of constantly being upgraded with new features that allow greater functionality and more streamlined workflow.

MedPrime – On Screen Displays



Outcome Achieved

The successful development and practical use of MedPrime provided Med USA with a fully interoperable EMR system that provided real-time data availability and accurate data exchanges. Realizing the objective of the project, KMG helped Med USA achieve the following:

- Operational efficiency in healthcare service delivery.
- Significant time and cost savings for health providers and patients.
- Minimal errors associated with clinical procedures or inadequate or incomplete information.
- Improved patient safety and quality care.
- Improved communication among staff members to facilitate better care.
- Streamlined care transitions and boosted patient satisfaction.



KMG Role

The requirement of having an in-depth insight into the industry's core issues inspired KMG to deep-dive into working with Med USA as well as subject experts to document flowchart processes and to design, build and test a comprehensive healthcare solution that promotes patient care effectiveness and efficiency. KMG's role can be summarized as follows:

- **Project Management:** The project is managed by a KMG Project Manager with experience in handling projects based on Microsoft technologies or any other technologies being used during the project.
- **Coding Standards & Conventions:** KMG has developed a set of detailed coding standards based on its experience and the best-practices advised for Microsoft n-tier object oriented applications. All development & support work is based on these. This ensures that any changes in the development team do not hamper the continuity or affect the quality of work.
- **Coordination:** Proven communication processes ensure that both the onsite (Client's own) as well as the offshore (KMG) teams work in tandem to meet the deadlines.
- **Offshore Development:** The offshore development & support team consists of experienced programmers led by a senior team leader. Each member is an expert professional adept in the appropriate development tools.
- **Quality Audit:** Regular audits and code reviews are done by the Offshore Quality Analyst to ensure the quality and standards of the project. Peer & project manager reviews are also undertaken to ensure adherence to coding standards. The focus of the quality audit is to deliver code that is elegant as well as efficient.

Change Management Process:

An in-house issue-cum-change management tool is used for communicating the changes to the off-shore team. The change requests are analyzed by the KMG business analysts and an effort estimate sent to the client. Once the effort has been approved, the changes are assigned to the team.

Status Reporting and Communication:

KMG Project Management ensures that accurate weekly status reports reach the client's Project Management team. This helps keep both the teams updated on the current status of the project.

KMG Value Addition

MED USA's partnership with KMG brought forth a positive transformation in the healthcare culture through MedScribe. KMG through its deep healthcare expertise of over 20 years re-engineered the business and healthcare workflow to leverage new systems capabilities and provide enhanced care.

KMG's IT expertise in providing healthcare solutions helped MED USA in achieving its objectives leveraging technology and best practices to improve performance, service and access, while upgrading security and minimizing costs.

KMG Domain Expertise

Healthcare IT



P&C Insurance IT



KMG is a partner of choice for organizations looking for opportunities to transform their business through IT solutions. With an extensive experience of over 20 years in providing enterprise solutions, KMG always aims to deliver business value and achieve maximum ROI on IT investment to its partners.



Software & App.
Development

KMG provides its clients with the full spectrum of application development services.

- ▶ Application Development
- ▶ Systems Interfaces & Integration
- ▶ Portals & Intranets



Mobile Application
Development

We provide mobile application development solutions that empower businesses to capitalize from mobile applications.



Legacy Support &
Modernization

Our expertise in legacy platform, especially the IBM System facilitates smooth business workflow round the clock, across the globe.

- ▶ Support & Maintenance
- ▶ Migration & Web enabling
- ▶ Reverse Engineering



QA & Testing

KMG focuses on enhanced defect reporting and improving user satisfaction by adopting agile methodologies throughout the project development lifecycle.

- ▶ Test Life Cycle & Reporting
- ▶ QTP, UTP, Segue, Selenium
- ▶ Domain specific testing for P&C Insurance and Healthcare

HEALTH IT

P&C INSURANCE

MOBILE APPS

PORTALS & INTRANETS



Key Management Group
Fostering Partnerships

125 Baylis Road, Suite 260, Melville, NY - 11727, USA
Ph: 631-777-2424 | Fax: 631 777 2626
www.kmgus.com | sales@kmgus.com