The Computerworld Honors Program

Honoring those who use Information Technology to benefit society

Final Copy of Case Study

LOCATION:
Dublin, CA, US

YEAR:
2011

STATUS:
Laureate

CATEGORY:
Health

ORGANIZATION:
Oasis Medical Solutions Ltd.

ORGANIZATION URL:
http://www.oasismedicalsolutions.com/

PROJECT NAME:
Mobile Patient Administration System

PROJECT OVERVIEW

Patients who are admitted to hospitals typically undergo a battery of laboratory tests and/or imaging studies. These tests enable clinicians to diagnose patients' conditions or obtain the latest information on chronic or pre-existing conditions in order to determine the most effective treatments. Getting those results from the lab or radiology department as quickly as possible is critical. For nearly 20 years, Oasis Medical Solutions has offered British hospitals a web-based patient administration system (PAS) that includes among its functionality access to patient test results. Over 30 hospitals in the UK currently use PAS. Wanting to provide this information to clinicians even more quickly, wherever they happen to be at the moment, Oasis decided to mobilize PAS onto clinicians' iPhone devices and ultimately to other mobile devices. Because the web-based Oasis PAS already existed and was in use in 30 hospitals, Ecommnet did not have to begin from scratch. Its challenge was to mobilize the test results functionality. The goal to extend this functionality to an iPhone, where results could be displayed and reviewed on a couple of screens while also making it easy-to-use in environments with inconsistent wireless connectivity (WiFi/3G), presented significant challenges. Working with Sybase and Eccomnet Ltd., Oasis built a proof of concept to demonstrate that patient test data could be delivered to clinicians and other hospital personnel with more immediacy and without their having to be in any particular location tethered to a desktop. The primary goals, of course, were improved patient care, and increased clinician and administrative efficiency. On both counts, the project was a success.

SOCIETAL BENEFITS

The Mobile Patient Administration System benefits society by leveraging technology to deliver patient test results to caregiver mobile devices at the point of care. This enables caregivers to review the results from any location and make faster, more informed decisions that may save a patients life.

PROJECT BENEFIT EXAMPLE

The Patient Administration System and Electronic Patient Record products enable partners and clients to transform how they deliver healthcare. Oasis is dedicated to continually enhancing its products to help partners and clients expand their capabilities. Incorporating mobile technology helps increase the efficiency and effectiveness of clinicians and other healthcare personnel, and based on this successful project, Oasis expects to pursue other opportunities to provide customers with the tools and information they need, when and where they need them. "Oasis is a truly comprehensive system - we use it as the single system for all clinical activity. For me one of its most valuable benefits is the flexibility we enjoy in the way the system is designed and reflected in our contract with Oasis Medical Solutions. We are able to configure the system locally and to build in additional functionality as and when required to meet the needs of our services and new/changing projects within the Trust." Sandra Harris - Information Services Manager, Sandwell Mental Health and Social Care NHS Foundation Trust

IS THIS PROJECT AN INNOVATION, BEST PRACTICE? Yes