

ZoomText Makes EMR Systems Accessible for NewYork-Presbyterian Healthcare System Employees

In the fall of 2007, NewYork-Presbyterian Hospital deployed new computer software to assist their medical staff in tracking patient records. The sheer amount of patient data displayed by Eclipsys XA, Electronic Medical Record (EMR) software, required substantially more screen space than other applications, however, which forced staff members to increase their screen resolution, thereby shrinking the size of all text displayed on the screen. With the medical record tracking fields displayed at this small size, the staff had a difficult time reading the information displayed, therefore raising serious concerns about accuracy in patient care and staff productivity.

Staff Raise Concerns

Many of the nurses expressed concerns; they were very uncomfortable with the way the information was presented on the screen. In a hospital environment, the information on the screen is critical, and if read incorrectly could have disastrous results.

The staff concerns were heard, and a search began to find an acceptable solution. The solutions proposed by the EMR software manufacturer were inadequate for the hospital's needs, and it became clear that a magnification solution was the best solution to reduce costly errors, increase productivity, and make the staff members' jobs easier and less stressful.

Solution

ZoomText Magnifier was considered along with other manufacturers' software and hardware/software combination solutions like the Magnifying Mouse. After extensive testing and evaluation with the hospital's current software configuration, ZoomText was found to be the best solution to their problem.

Ai Squared began working with NewYork-Presbyterian to create a custom version of ZoomText. An MSI installer was created which provides a custom ZoomText installation that could be easily used with their application deployment system. This created a lightweight, distributable ZoomText package that the hospital could install effortlessly on any machine without the need of human intervention.

Benefits

Right now ZoomText can be launched on any staff member's computer if they request it. No issues have been found when using ZoomText in conjunction with the clinical EMR application. In fact, many service desk requests regarding vision and screen resolution have been addressed by using ZoomText. The staff, especially those with vision impairments and those who wear glasses, have been thrilled with the results so far. ZoomText allows the medical staff to work faster and more comfortably in their computing environment, in a workplace where accuracy and precision is imperative.

Products Used

- ZoomText 9.1 Magnifier
- MSI installer
- Eclipsys XA

Solution Overview

Assistive Technology:

ZoomText Magnifier from [Ai Squared](#).

At a Glance:

ZoomText 9.1 is a powerful computer access solution for the visually-impaired. Consisting of two adaptive technologies – screen magnification and screen reading – ZoomText allows you to see and hear everything on the computer screen, providing complete access to applications, documents, email and the Internet.

ZoomText software works with all Windows-based PC's, and offers a Screen Magnifier or a Screen Magnifier/Screen Reader combination. ZoomText provides access to all Microsoft Office applications like Word and Excel, email, the internet, and any other Windows-based application. The Magnifier allows you to adjust your screen to fit your personal needs, offering magnification levels up to 36x. The Screen Reader features human-like voices that read anything on your screen so you can sit back and relax.

ZoomText Magnifier and Magnifier/Reader are compatible with:

- Microsoft Windows Vista (32 and 64-bit supported)
- Microsoft Windows XP
- Microsoft Windows 2000
- Internet Explorer 5.0 or later

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