

EXHIBIT 1044

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essentials of
**NURSING
INFORMATICS**

- ▶ Best-selling nursing informatics textbook
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Standard PDA functions supporting personal information management can readily be adapted to assist in professional activities management. The advantages for healthcare providers using the standard PDA functions include saving time through improved access to and management of information. Common examples include saving time and improving information management. Nurses save time looking up contact information when information for frequently contacted individuals is in one place, eliminating searching for beeper numbers and phone numbers in several sources. The ability to download a patient schedule into the date book saves time by enabling the provider to review test results prior to the patient encounter. The notepad feature is useful in keeping track of changes in patient orders during rounds.

Add-on Software

Stand-alone and Synchronized

Several very useful applications that facilitate professional time management are available for the PDA. These applications may work as stand-alone programs with no need to connect to anything once they are loaded onto the PDA, e.g., a viewer for reading an e-book. Some applications require periodic asynchronous updating, e.g., a subscription with quarterly updates. Other applications are designed to connect to a WLAN each time they are launched, e.g., a wireless e-mail application. Typically, an application is downloaded to a computer and then during synchronization the application is put on the PDA. If the application requires periodic updating, it will prompt the user when it is time to load the update. If the application depends on connecting with a WLAN, it will seek out a WLAN when it is launched.

For example, an application loaded onto the PDA offers e-mail management capability. E-mail may be downloaded during synchronization and read at leisure. Responses may be composed on the PDA and when the device is synchronized, the responses will be sent. When the PDA has wireless capability and access to a WLAN, e-mail can be accessed by, and responses sent directly from the device in real time.

General Freeware, Shareware, and Commercial Applications

A PDA may be used for viewing information, or to perform office automation tasks (e.g., to create, view, and

edit documents, spreadsheets, and databases), or to browse the Internet. There are three types of general applications: document and image viewers, office automation applications, and Web browsers.

Document viewers allow the user to download and read text files. Many publishers use special formats for their publications that require document viewers. Document viewers allow formatting, indexing of content, and special characters to be preserved when documents are downloaded. Some programs allow the viewer to bookmark sections of the document for quick reference. Most do not permit editing of a commercially purchased publication. Several document readers are available and many publishers specify which document reader must be used for their publication.

There is a PDA version of Adobe Reader for Palm OS or Acrobat Reader for Windows Mobile or Symbian operating systems available for free download (Adobe, 2004). The PDA version allows .pdf extension documents to be downloaded and read on a PDA. Although documents not specially formatted for the PDA can be opened using this application, formatting may not be preserved, making the document difficult to read. Other popular document readers, which are commercially available, include TealDoc (TealPoint Software, 2004) and Franklin Reader (Franklin, 2004). Palm OS also includes a document reader, eBook, that is used to read electronic versions of popular literature. One Hypertext Markup Language (HTML) document reader is iSilo (iSilo, 2004).

A *graphics viewer* for image viewing may be useful for individuals practicing in specialties where images are a basic requirement. Firepad Picture Viewer is a commercial application that may be downloaded and is useful for creating, viewing, and sharing images, videos, and multimedia presentations as well as acquiring free Internet images (Firepad, 2004). For PDAs without a camera function, Firepad Picture Viewer can also be used to download digital photos from the computer.

Office utilities allow the user to download, view, revise and upload documents to a computer. Documents To Go, shareware that is compatible with the Microsoft Office Suite, allows the user to view and revise on PDA Word documents, Excel spreadsheets, and PowerPoint presentations (DataViz, 2004; palmOne, 2004). Lotus Notes may be synchronized with supported PDAs (IBM, 2004). The Presenter To Go program allows the user to show a PowerPoint presentation directly from a PDA using a projector (Mangi Systems, 2004). Printing programs, such as PalmPrint (Stevens Creek Software, 2004) are also available.



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Packed with insights and examples from a contributor team of 45 experts who form a "Who's Who" in nursing informatics, *Essentials of Nursing Informatics* provides timely guidance on:

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