Microsoft CERTIFIED Partner

DocSys Healthcare Systems

DocSys.

Dox RDS and eRDS

Medical Records & Documents System

Records & Documents—without storing paper.

- Comprehensive automation of paper based documents from on-demand printing through to automated scanning.
- ERDS *Enterprise Edition* includes automated form recognition, OMR and OCR facilities to provide a comprehensive paper to EHR solution for major hospitals.
- The eRDS extension provides fully electronic forms—a paperless system.
- Tracking of documents in the workflow to detect loss of paper forms or incomplete information on electronic forms.
- Medico-legal and QA rules are automatically applied to ensure the right forms for the episode are used.

The management of documents and paper based records in healthcare presents significant and costly challenges for efficiency, medico-legal integrity and handling and storage. Dox RDS uniquely provides answers through a comprehensive system for managing paper based documents and records as well as an electronic forms system.

In many instances paper based records remain the medium of choice. They are medico-legally appropriate for any document requiring patient interaction or patient signature and are often preferred by medical staff for their convenience and familiarity. Dox RDS, using patented technology, provides an automated environment that prints the documents for the episode, automates their scanning, facilitates viewing and re-printing, and reports on any documents that become lost in the workflow. All of its setup and the documents it manages are user controlled.

The system's extensive configuration options and its scalability make it equally appropriate for hospital or day surgery. The documentation of some clinical workflows, though well addressed by paper can be better managed with electronic forms. Information can be captured and distributed to others in real time, and the data can be richer, of higher quality, and better managed more than is possible with paper records.

Dox eRDS uses Microsoft's Infopath system to equip RDS with 'virtual forms' that can be as easy to use as paper but as efficient as any electronic medical record should be. The virtual forms are best used on Tablet PCs where hand written notes can be captured and signatures used for validation and authentication.

EFFICIENCY GAINS
All handling of paper is automated. The right mix of forms for the episode are generated at the touch of a button. Scanning the paperwork for twenty procedures is less than five minutes work.

QUALITY ASSURANCE
The automation of your rules ensures the integrity of medical record. RDS knows what forms must be used and which forms are likely additions and provides management reports and alerts when documents go missing.

PAPER or EMR
eRDS provides choice in records management—paper or electronic. In each system, staff and patients can have a friendly form that is part of a fully automated workflow that does not physically store paper . RDS and eRDS will work in partnership.

RDS is on the Web at:
www.medicalit.com.au

DocSys Pty Ltd

P.O. Box 501
Carina, Qld, 4152
Phone 07 3117 0956
0412 200 771
Fax 07 3117 0962
eMail dox@docsys.com.au

Dox RDS and eRDS

DocSys

Classical Document management systems are mature products, but their common medico-legal failing is that they only work for records that have not already been lost. You can't scan that document from yesterday if its been misplaced—and you won't know it had been misplaced until it is required, probably months later. Dox RDS has changed that, and a lot more.

Dox RDS automatically generates any forms associated with the episode or admission—the right forms are printed on demand without any need for an operator's intervention. They each carry a unique barcode ID. If the workflow is not prescriptive and has the potential for an unpredictable mix of forms being added to a chart, then the system handles that with equal finesse and assurance using dual factor recognition.

Dox RDS *Enterprise Edition* adds the necessary elements of automatic form recognition, OMR and OCR to provide full automation of paper as the originating record and the EHR as the fully electronic medical record.

Dox RDS scans paper documents in any sequence or orientation using barcodes to uniquely identify each page of the documents—the process is fast, and automatically applies QA rules such as alerting an operator that a required page seems to be missing.

Dox eRDS is an extension to the core system that provides a fully electronic environment which turns paper forms into electronic forms that are completed on the screens of either a conventional PC or a Tablet PC.

Clinical staff can bring all of this together in one spot in the Clinical Desktop module. Here, in their own personalised view, the medical record is arranged and presented as required for review or for printing.

All of these records are managed with strict control over versions of documents, access authorization and data integrity. The system works across multiple locations and will integrate with most other health informatics systems for the transfer of patient demographic and episodic details.

SCANNING

This process is totally automated. The barcodes on the RDS documents overcome any need to align, sort, or arrange the documents. Place the documents in the scanner's ADF, click on Scan and let ScanDox file the images in the database and apply all your QA checks in seconds.

INTELLIGENCE

RDS knows what it has 'on-file', so it will print an archived document if that can serve the purpose of a new version. Patients don't fill in the same form again just a few days later. You set the rules governing such system behaviour.

ARCHIVES

RDS has an optional module for easy and automatic scanning of old charts. Those archives merge with new forms to become a seamless medical record.

REPORTS

RDS is provided with a comprehensive set of reports but these can be changed by the end user as required using Crystal Reports. New user developed reports can be added into the RDS menus.

Key Features

- Paper forms or electronic forms — all records are electronic — no paper storage or chart retrieval problems
- Personalised settings govern access to the medical record as well as how it is arranged and presented.
- Automatically generated forms plus automation for forms added ad-hoc during the episode
- Comprehensive checks that detect irregularities in the documentation workflow which would otherwise present medico-legal concerns
- Smart rules; e.g. if the patient is a child and the admission is for *X* then issue Form A version Z ,not version Y
- Medical indemnity insurers are happy—the appropriate forms are automatically issued and you are alerted if they are lost; RDS also registers issuing each specific advisory document that provides the patient's 'Informed Consent'.
- Flexibility in setup meets the requirements of major hospitals, day surgeries and specialist practices.
- Scalable from day surgery to public hospital.
- Integrates with popular healthcare administration systems
- Records are protected with 256 bit AES encryption. Images are compressed before storing in SQL as BLOBs.
- User access is controlled by system security. User accounts can be linked to Windows security for authentication.

Technical Specifications

- Metadata—MS SQL Server 2005 or better (SQL Express compatible)
- Client PC—Pentium P4 or better with 1 GB RAM and MS Windows 2000 Pro or better.
- eForms PC—Intel Centrino PM Tablet PC with Windows Tablet PC operating system and 802.11g wireless networking.
- Scanning PC—Pentium P4 or better with 1 GB RAM and MS Windows 2000 Pro or better and TWAIN compliant scanner with dual head true duplex scanning .
- Server PC—Pentium P4 or better with 1 GB RAM, 80GB HDD, Windows 2000 Server or better. Windows Terminal Server is recommended.

Supplied and supported by

Medical I.T. Pty Ltd
Phone 07 3117 0956
04 1220 0771
eMail dox@medicalit.com.au