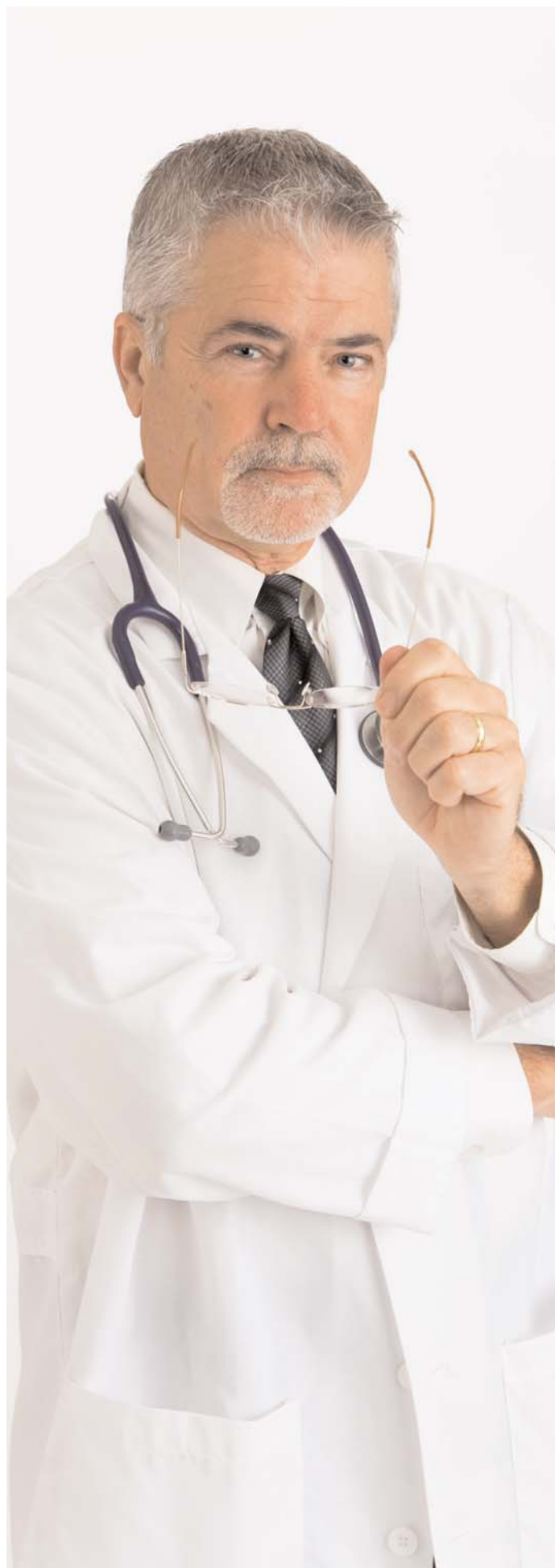


**DSS** inc  
VistAExperts



**vxVistA**



## FOIA VistA



## vxVistA

**VistA** is an acronym for Veterans Information System Technology Architecture. It is also the umbrella term for a suite of over 125 health care software modules that provide clinical and business solutions for all aspects of health care delivery.

**VistA** is a patient centric, longitudinal health record system with over 120 modules that manage clinical, administrative and business functions for hospitals, ambulatory care centers, long term care facilities and private practices. It is a proven, robust system with documented patient care benefits and the most widely used Electronic Health Record (EHR) system in the world.

**VistA** is more than just an EHR. It is a complete Hospital Information System with functionality for every department in the hospital, from Hospital Engineering to Pharmacy to direct Point of Care applications.

**vxVistA** is FOIA VistA that has been modified and enhanced by DSS, Inc. to work in non-VA health care delivery settings. Modifications include removing references to “veterans” and allowing the use of medical record numbers rather than the social security number which the VA uses for patient identification.

Enhancements include:

- Streamlined menu options for many core functions
- Prescription Writing and printing
- Laboratory Order Print with BarCode
- Pediatric Problem List changes
- OB/GYN Problem List changes

A more comprehensive list of modifications and enhancements can be found on our website [www.dssinc.com](http://www.dssinc.com)

Significant modules included in vxVistA are:

- vx CPRS
- vx Bar Code Medication Administration (vx BCMA)
- Vitals Lite
- Inpatient Pharmacy
- Outpatient Pharmacy
- Laboratory
- vx Group Notes

As well as over 100 other modules which are part of FOIA VistA.

**vxVistA** is Open Source software released under the Eclipse Public License with the guidance of the Open Health Tools organization [www.openhealthtools.org](http://www.openhealthtools.org)



For more than 15 years, DSS, Inc., the VistA Experts, has been working exclusively with VistA, developing and implementing integrated solutions that improve VistA’s functionality. We have spent the last 4 years modifying and enhancing VistA for use outside the VA and have released that work as vxVistA, an open source product.

We also offer more than a dozen, proven, proprietary products that are all fully integrated with vxVistA. The product set includes a comprehensive dental system; an industry leading behavioral health system and a complete patient accounting system. We have integrated vxVistA with over twenty third party software applications including clinical monitors and mobile devices. In addition to wide use of our products in the VA, our non-VA customers include a single physician practice, a 300 plus physician group practice, and hospitals ranging in size from 22 to 200 beds.

DSS also offers professional services including installation, customization, support and training for vxVistA users.



## vx CPRS



vx CPRS has been adapted from the VA developed Computerized Patient Record System. This tool pulls data from many different vxVista packages into one user-friendly Graphical User Interface system that puts patient data including vitals, allergies, medications, laboratory results, orders, and progress notes right at a provider's finger tips for fast and easy review. Providers can enter new orders, notes, vitals, allergies, problems and more into the patient chart using features like quick orders, order sets, and templates. vx CPRS also offers safety checking against allergies and other current meds; in an ambulatory care setting, prescriptions can be easily printed and given to the patient. Clinical Reminders can be set up to enhance preventative care and encourage timely screenings/exams, offer patient education, and follow treatment protocols/guidelines for specific illnesses based on age, gender, lab results and other factors. Immunizations and other health factors can be recorded and reported easily.

## vx Inpatient Pharmacy

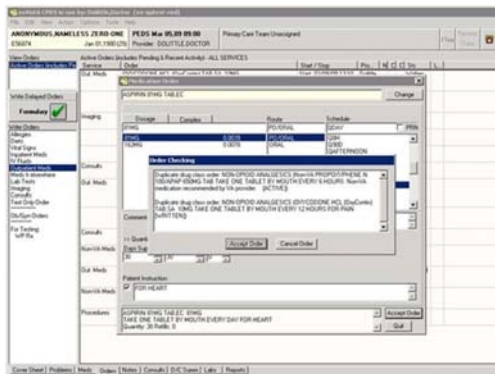


The Unit Dose (UD) module of Inpatient Medications provides a standard system for dispensing and managing inpatient medications. Timely, accurate, accessible, and up-to-date patient medication information is available from any terminal within the facility. Computer-generated orders and review allow personnel to dedicate more time to patient care.

## vx Outpatient Pharmacy



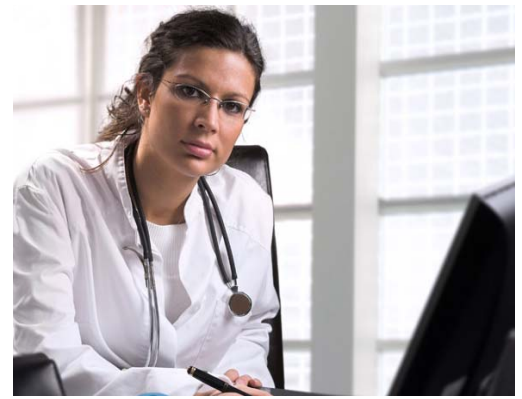
The Outpatient Pharmacy package provides a way to manage the medication regimen of patients seen in outpatient clinics. Utilization, cost, and workload reports provide management cost controlling tools while maintaining the highest level of patient care.



## vx BCMA



vx BCMA, or Bar Code Medication Administration system, was developed originally by the VA and has been adapted for use by DSS for vxVista. vx BCMA system greatly improves patient safety by requiring nursing staff administering drugs to scan both the patient wrist band and a bar coded medication. vx BCMA checks to see that the medication, dosage, schedule and route are as ordered for this particular patient at this specific time. The system displays full medication history logs and allergies. Nurses can view lists of drugs that need to be given soon and can log any dose that is not given for reasons such as patient refused, patient spit the pill/s out, etc... Reports can be run for the Medication Administration Record for each patient. A separate tool for pharmacists allow parameters to be set for local control over settings such as the time variance allowed for early or late doses to be given. Pharmacy and nursing work together to improve communication and patient safety using this innovative and user friendly tool.



## vx Group Notes



vx Group Notes has been adapted from the VA developed Group Notes system. vx Group Notes allows a provider to simultaneously create a progress note for multiple patients who participated in a group visit with shared/common text and personalized text for each patient. The provider can then enter encounter check-out codes for all patients or individually. The Author of the notes only has to enter an electronic signature one time to sign off on all the notes written using vx Group Notes. This application is used by mental health providers in group therapy settings, mid-wives working with multiple mothers-to-be, nurses conducting group education, recreational therapy environments, physical therapy environments, and more, saving time and effort for many different specialty areas.

## vx Laboratory

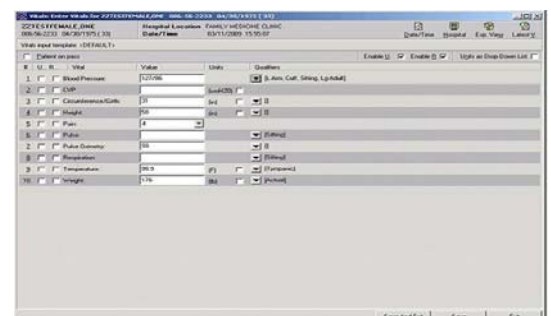


The vx Laboratory module is a clinically oriented system designed to provide data to healthcare personnel and assists the Pathology and Laboratory Medicine service in managing and automating the workload and reporting process. The module supports General Laboratory, Microbiology, Histology, Cytology and Surgical Pathology.

## vx Vitals Lite

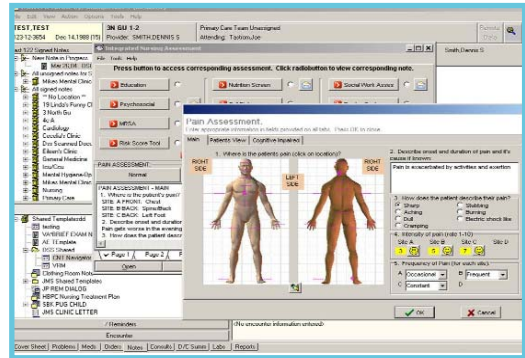


vx Vitals Lite is a program that allows nursing staff and aides to capture a full set of vitals signs including SPO2 easily across a unit/ward; this system also includes the Vitals Lite Manager tool that allows nurse managers to customize vitals templates and set parameters such as upper/lower ranges for each vital within the system. Patients can be selected individually or viewed across a unit/ward or clinic. Graphs show changes in vitals over time and reports can be run by patient, bed, unit/ward, etc... for changes in vitals signs over a period of time, for pain score changes, and much more.



## vxClinical Notes Templates (vxCNT)

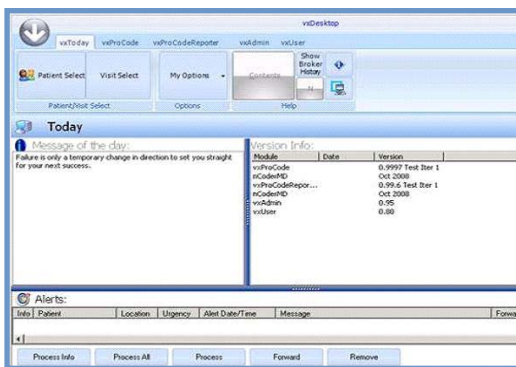
vxCNTs or Clinical Note Templates are a library of over 250 note writing tools for all types of providers including nurses, social workers, primary care physicians, specialty physicians, therapists, and more. The templates are designed to be user friendly and include graphics that turn points-and-clicks to text, auto-calculating assessments, calculations such as Estimated Date of Delivery based on Last Menstrual Period or Exam/Testing, flow sheets that allow data to be saved and imported into subsequent visits, color and required field warnings. The templates are run directly from the Notes tab of vx CPRS and can be linked to note title for improved compliance with documentation standards. Custom templates can be built to tailor content to each site's need.



## vxDesktop

vxDesktop is an innovative new application designed to reduce the number of icons/modules on each user's desktop by serving as a "wrapper" for other applications such as vxProCode and vxProCode Reporter. vxDesktop maintains user context across all modules providing a single vxVista sign-on location for all embedded modules. Once a user is signed in, based on user permissions within vxVista, embedded modules will display.

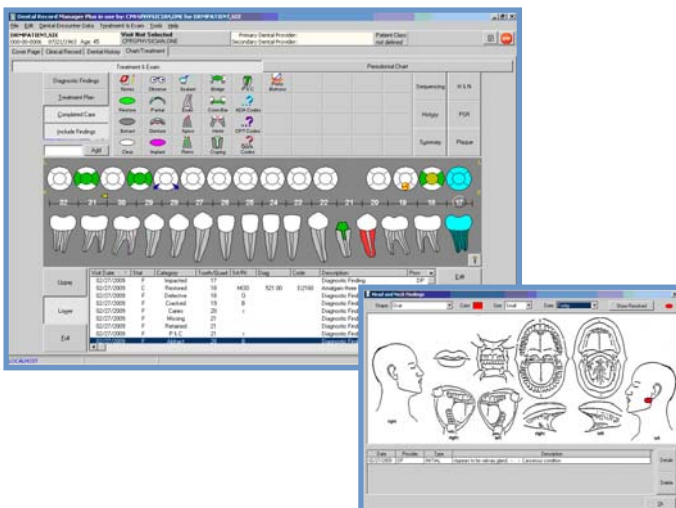
vxDesktop also maintains patient context and visit context across each embedded module further saving the user time and making it easy to do multiple tasks without having to constantly re-select the patient or visit. vxDesktop will continue to grow as more modules, including vxPatient and vxUser are developed in the future.



## vxDental Record Manager Plus

vxDRM Plus was designed for dental treatment planning and data capture. The system provides dental staff the ability to electronically capture meaningful data for patient encounters. CPRS functions are exposed within the vxDRM Plus application resulting in a patient health record that includes both medical and dental information.

The system uses a Graphical User Interface to communicate with the VistA system, allowing single point data entry of patient dental information.



- Entry of dental conditions, plans and completed procedures through the use of graphic icons with extensive use of color schemes.
- Upper/Lower/Full Views with full color coded graphics.
- Sequencing of Treatment Plan procedures.
- Dental History Reports and views with date-change capability.
- Quadrant or Tooth summaries.
- Head/Neck Findings availability.
- Periodontal charting.
- Full Mouth Plaque Index with definitions.
- ADA/Local/Quick Codes.
- Creation and maintenance of tooth-specific and general patient notes.

## vxProCode / vxProCode Reporter



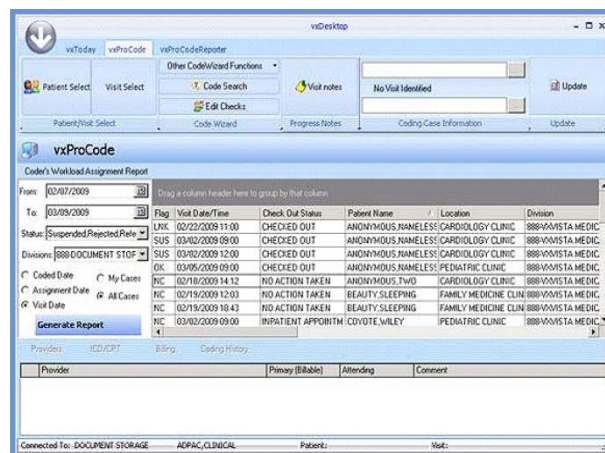
The **vxProfessional Fee Coding Assist (vxProCode)** and the **vxProfessional Fee Coding Encounter Reporter** applications work together within the vxDesktop Framework to assure that electronic billing systems like vxPAMs receive accurate encounter information for improved claim submission, workflow efficiency, and accuracy of coding for professional fee coding. Supervisors in coding/billing can assign, monitor, and review each encounter from clinic to submission to billing system.

Compliance can review provider, coder, and clinic information.

Researchers can search through the vxVista database for incidences of illnesses, co-morbidities, effectiveness of procedures, and to find candidates for new research studies.

vxProCode and Reporter have an embedded electronic encoder that provides real-time audit data for Medical Necessity, Correct Coding Procedure, Valid ICD-9 / CPT-4 / HCPCS codes.

The system also includes an E&M calculator to validate the E&M codes entered in the clinic against the documentation provided by the clinician. Reports can be run to identify suspected high or low E&M for improved compliance, physician education, and billing accuracy. Reports can also be run that include or exclude ICD9/CPT codes or code ranges for research, compliance, and revenue purposes.



## vxRadWise



RadWise is an integrated evidence-based decision support tool for diagnostic imaging at the point of care. Recommendations are based on signs and symptoms with the application of relevant clinical data. It requires ordering providers to document clinical processes and reduces variation in care delivery. Use of the system enhances utilization management, improves resource allocation and reduces expenses while increasing revenue.

- Increases Patient Safety
- Standardizes Care
- Improves Efficiency
- Reduces Expenses; Increases Revenue

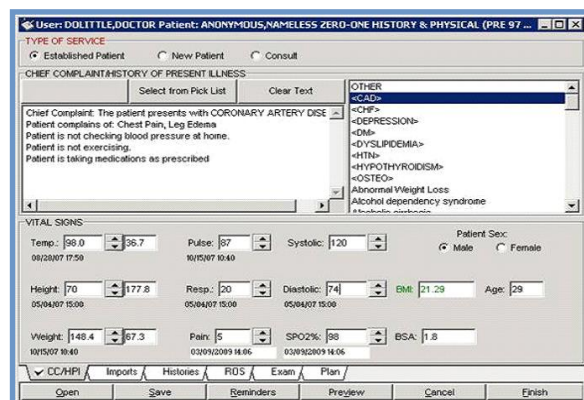


## vxProvider Assistant Template (vxPAT)



vxPAT or the "Provider Assistant Template" is a point and click template tool that allows physicians and ancillary staff to work together to efficiently document an office visit following CMS/Medicare standards for documentation. The template automatically calculates the Evaluation and Management (E&M) billing code/s for the visit, factoring in medical complexity and necessity based on the diagnosis (ICD) codes selected. If the provider accepts the suggested E&M codes, the codes automatically populate the vxCPRS Electronic Encounter form to be reviewed by coding/billing later. Providers can set up their own content for each area of the exam to truly customize the template, but shared text is also available for common normal/abnormal statements.

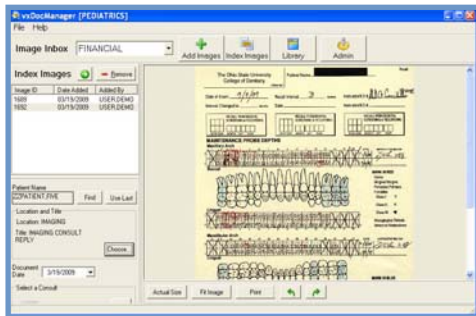
vxPAT automatically imports patient problem list, vitals, allergies, medications, and history data to further streamline note-writing and allow easy review of past visit data by the provider. Currently, vxPAT is available for general practice guidelines, but vxPAT templates for other specialty templates will be available in the future.



## vxDocument Manager (vxDocManager)

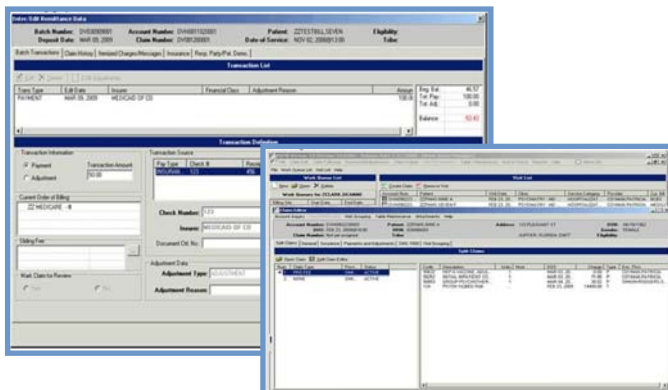
VxDocManager is a document scanning and imaging system that allows users to scan a variety of documents and electronically link them to the patient record.

- Simultaneously Creates Progress Note
- Extremely Fast and Accurate Indexing to Increase Productivity
- Index Document and Automatically Close Consults
- Scan and View both Clinical and Administrative Documents
- Production Scanning Solution; Batch Scanning
- Centralized or Decentralized Scanning
- Indexing for Sensitive/Urgent Documents
- Electronically Capture Outside Patient Documents
- Audit Reports by Clerk, Date/Time, Indexed, Edits and more
- Simultaneous access of data from multiple facilities



## vxPatient Account Management System

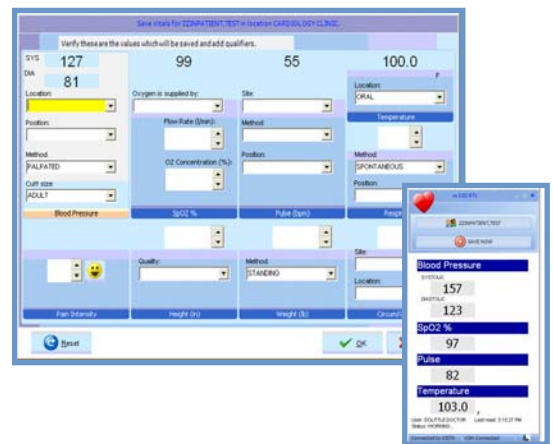
vxPAMS is a patient accounting management and reporting system that is integrated with vxVista and replaces the FOIA Vista Integrated Billing and Accounts Receivable packages. vxPAMS has a customizable charge-master and options for setting up revenue codes on a per-bed basis for inpatient facilities. All standard billing forms can be generated and submitted via a clearing house or electronic claims transfer, including UB-04 and CMS 1500s. The system allows claims to be split to correctly generate claims for professional fee and facility charges. Patient statements can be printed for balances not covered by insurance. Batch postings can be made in just a few clicks to make updating AR fast and easy. Encounter code data, insurance, and demographics data flow automatically into vxPAMS for a seamless user experience. For sites using vxBCMA, drugs administered are populated with NDC numbers for Medicare Part D billing. vxPAMS has a robust set of reports to make managing patients accounts and revenue fast and easy.



## vxReal Time Vitals (vxRTV)

vxRTV is a wireless spot checking vital signs system that communicates with Welch Allyn, CAS, Omron/Collins and Criticare vital signs intake devices using the respective development toolkit objects and saves the vital sign readings directly into the patient's vxCPRS chart with a few clicks of the mouse.

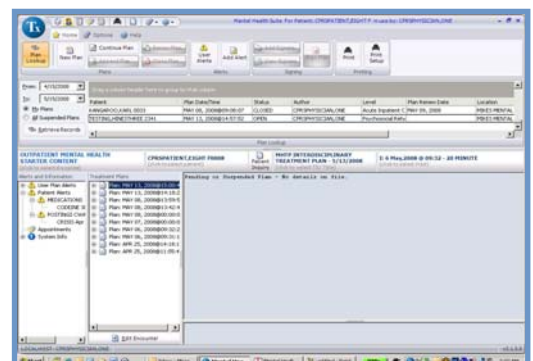
- Patient vitals are placed directly into vxCPRS from vxRTV
- Ensure data integrity
- Reduce or eliminate the possibility of improperly transcribing data
- Reduce personnel costs



## vxMental Health Suite

vxMHS is designed to help the clinician create, edit, and view inter-disciplinary Mental Health Treatment Plans efficiently while meeting governing organization standards. These plans become part of the patient permanent electronic health record.

- Ability to create custom plan content pre-defined by user.
- Audit reporting module allows treatment plans and patients to be tracked and monitored for improved quality and continuum of care.
- Allows members of multidisciplinary treatment teams to access, create, and contribute to intake assessment, progress notes and treatment plans in one specialized software program.
- Provides access to assessment and required information.
- Provides continuity of care through concise and consistent documentation promoting JCAHO compliance.
- Reduce the time providers spend creating documentation through the use of an efficient, user friendly, point and click interface.



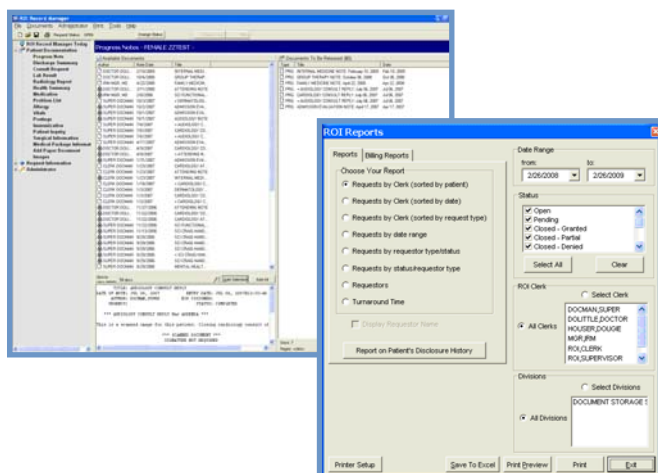
## vxRelease of Information (vxROI)



This software automates the entire process of managing Electronic Medical Record Release of Information request from the vxVistA database and is Health Insurance Portability and Accountability Act (HIPAA) compliant.

vxROI offers complete Accounting of Disclosure, reporting module, and billing capabilities.

Medical record information can be released as printed document, faxed to the recipient, as .pdf file or on a CD.



## DSS vx Line of Products

- vxVistA
- vxCPRS
- vxBCMA
- vxCare Management (\*)
- vxGroupNotes
- vxInpatient Pharmacy
- vxLaboratory
- vxOutpatient Pharmacy
- vxQuery Tool (\*)
- vxVitals Lite
- vxClinical Notes Templates (vxCNT)
- vxDental Record Manager Plus (vxDRM Plus)
- vxDesktop
- vxDocument Manager (vxDocManager)
- vxMental Health Suite (vxMHS)
- vxPatient Account Management System (vxPAMS)
- vxProfessional Fee Coding Assist (vxProCode)
- vxProfessional Fee Coding Encounter Reporter
- vxProvider Assistant Template (vxPAT)
- vxRadWise
- vxReal Time Vitals (vxRTV)
- vxRelease of Information (vxROI)
- (\*) Available late 2009

## Coming 2009

### vxCare Management



vxCare Management generates a physician desktop and a nursing desktop across the day's patient population, so the clinician can see new orders, alerts, and lab results at a glance to improve response time, patient safety, and quality of care. Task lists can also be created to further streamline work load. This system differs from vxCPRS in that vxCare Management is a provider-centric tool that displays data for multiple patients while vxCPRS is a patient specific tool that pulls up the medical record of one patient at a time.

### vxQuery Tool



vxQuery Tool is a powerful reporting module used for chart audits, utilization review, quality management, and to monitor performance improvement measures by provider and/or location. Users can evaluate data such as how many lab orders were not resulted for a provider/clinic for a period of time, or the average length of time for a consult to a particular service to be resulted. vxQuery can significantly reduce the amount of time and expense of reviewing charts for QM/UR purposes.

## DSS VA Line of Products

- AMMS
- Audit Compliance Module (ACM)
- Clinical Notes Templates (CNT)
- Coding Compliant Module (CCM)
- DataBridge
- Dental Record Manager Plus (DRM Plus)
- DocManager ICU Service
- DocManager
- Explanation of Benefits (EOB)
- Fee Basis Claims System (FBCS)
- Fee System
- Insurance Capture Buffer (ICB)
- Integrated PocketMD
- Intellidose for Vista Gateway
- Meantest
- Mental Health Suite (MHS)
- Patient Account Management System (PAMS-VA)
- Radwise
- Radwise Web Service
- Real Time Vitals (RTV)
- Release of Information (ROI)
- Telecare Call Log Reporter
- Telecare Record Manager (TRM)
- TheraDoc
- VA Chart Complete (VACC)
- Veterans Inpatient Suite (VIP) Director
- Veterans Inpatient Suite (VIP) Workplace

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