

WorldVistA EHR Overview and Status

VistA Community Meeting, Midland Texas, January 2007

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Agenda

- Brief history and background
- WorldVistA EHR status
- Looking ahead

WorldVistA EHR

Brief History and Background

Origins of WorldVistA EHR: The VistA Office Project

“Within 90 days, the Secretary of Veterans Affairs and the Secretary of Defense shall jointly report on the approaches the Departments could take to **work more actively with the private sector to make their health information systems available as an affordable option for providers in rural and medically underserved communities.**”

*President Bush's Executive Order – April 27,
2004*

VistA Office Project Objectives

- Adapt VistA to create a universally affordable, high quality EHR
- Beta test VOE
- Conduct Independent Evaluation
- Address CCHIT EHR certification standards

Why VistA was Selected

Proven to Improve Care
Proven to Reduce Costs
Evidenced Based
Standards Based

VistA – Recognized Excellence

- Institute of Medicine (IOM) noted "VA's integrated health information system, including its framework for using performance measures to improve quality, is considered one of the best in the nation."
- Harvard Innovations in Government Award for Health Information Technology at the US Department of Veterans Affairs (VistA) – July 2006
- RAND Criteria study – VA outperforms the all other sectors of American Healthcare – Annals Internal Medicine December 2004
- The Best Medical Care In The U.S: How Veterans Affairs transformed itself - Arnst, Business Week July 17, 2006
- How the VA Became the Best – TIME Jan. 2006
- Best Care Anywhere – Longman PoliPointPress 2007

'The Centerpiece of VA's Success is VistA.'

VOE Project Modifications to VistA

- Added ability to choose registration that is not veteran specific.
- Provide unique patient record identifier and remove the necessity of using the social security number for all patients
- Added other options for patient lookup.
- GUI registration.
- Document scanning without the need to use all of the VistA Imaging package
- Enhancements for reporting patients to disease registries.
- Numerous new Clinical Reminders.
- Prescription finishing so that prescriptions can be printed or faxed to a local pharmacy
- Use of an open source interface engine
- DOQ-IT reporting.

GUI Registration is Browser Based using Web Services, Java & EsiObjects

The screenshot shows a web browser window displaying the VISTA Patient Registration application. The browser's address bar shows the URL: `https://voe.vistaoutreach.org/Registration/faces/PatientSearchLite.jsp?form1:layoutPanel1:tabk`. The application has a header with the VISTA OFFICE logo and navigation links: New Patient Registration, Existing Patient Search, Help, Feedback, and Logout. A left sidebar titled 'VOE Navigator' contains a tree view with 'Patient' expanded, showing options like Overview, Demographics, Confidential Info., Patient Data, Patient Contacts, Patient's Employer, Spouse's Employer, Insurance Coverage(s), Family Data, Admission Info, Appointment Info, Tools, Print Patient Wristband, and Patient Security Level. The main content area is titled 'Patient Registration' and contains a form for patient information. At the top of the form, there are input fields for Patient Name (SMITH,JOHN Q), SSN (409999999), HRN (12), and Type (Outpatient). Below this is a 'Demographic Information' section with fields for Sex (Male selected), DoB (05/09/1995), Marital Status, Alias (JONES,BADBOY), and Remarks. Further down are fields for Address1 (222 Any Street), Address2, Address3, City (ADAMS), State (TENNESSEE), County (ROBERTSON), Zipcode (37010), Home Ph# (615-999-9999), and Work Ph#. An 'Insurance Coverage(s)' section includes a Medicaid Number field. Below that is an 'Insurance Policies' table with columns: Insurance Company, Subscriber ID, Policy Holder, Effective Date, Expiration Date, and Accepted. The table currently shows 'No Insurance Coverage On Record'. At the bottom is a 'Date of Death Information' section with Date and Source fields. The browser's status bar at the bottom shows 'Done' and the URL 'voe.vistaoutreach.org'.

File Edit View History Bookmarks Tools Help

Customize Links Free Hotmail RealPlayer Windows Marketplace Windows Media Windows

VISTA OFFICE Patient Registration

New Patient Registration Existing Patient Search Help Feedback Logout

VOE Navigator

- Patient
 - Overview
 - Demographics
 - Confidential Info.
 - Patient Data
 - Patient Contacts
 - Patient's Employer
 - Spouse's Employer
 - Insurance Coverage(s)
 - Family Data
 - Admission Info
 - Appointment Info
- Tools
 - Print Patient Wristband
 - Patient Security Level

Patient Name **SSN** **HRN** **Type**

SMITH,JOHN Q 409999999 12 Outpatient

Demographic Information Overview

Sex: ☒ Male ☐ Female DoB: 05/09/1995 Marital Status:

Alias: JONES,BADBOY Remarks:

Address1: 222 Any Street City: ADAMS

Address2: State: TENNESSEE

Address3: County: ROBERTSON

Home Ph#: 615-999-9999 Zipcode: 37010

Work Ph#:

Insurance Coverage(s)

Medicaid Number:

Insurance Policies

Insurance Company	Subscriber ID	Policy Holder	Effective Date	Expiration Date	Accepted
No Insurance Coverage On Record					

Date of Death Information

Date: Source:

Done voe.vistaoutreach.org

WorldVistA EHR Certification

- VistA Office contract completed March 2007
- WorldVistA submits WorldVistA EHR to CCHIT certification
- Certification criteria:
 - functionality,
 - security,
 - interoperability
- Certification process:
 - Self-attestation,
 - Testing
- Achieved CCHIT EHR Certification, 2006 Ambulatory Care in April

WorldVistA EHR Current Status

Business Plan Highlights

Objectives:

- Open source model
- Maintain and enhance CCHIT certification
- Generate revenue for sustainability

Key Initiatives:

- Release of software as open source
- Subscription services:
 - Updates, improvements
 - Levels of support
- Certified software distribution
 - Adds some new responsibilities
- Training
 - Spring RMU was first iteration

Current Status

- Developed CCHIT/Open Source friendly end user agreement
 - Reviewed by CCHIT
 - Reviewed by WorldVistA lawyers
- AMA CPT codes
- Correct SAC non-compliant code in FOIA VistA patch stream
- Applied all patches up to Fall of 2007
- Initiating gap analysis of 2007 CCHIT criteria

Looking Ahead

Looking Ahead

- Mimic VA quality improvement ecosystem
 - Establish, evidence based peer review of knowledge and software
 - Establish feedback loop with “business intelligence” factory
- Establish innovative approaches to:
 - Lower cost of implementation and training through collaboration
 - Ensure consistent high quality
 - Establish and reinforce the “cooperative ecosystem” to foster evidence based improvement
- Open source collaboration
 - Establishing the context: projects and tools
 - Setting expectations

Thank you!

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