

VistA Imaging (EA-17)

Authoritative Source

- BY-2007 IT Project Portfolio

Stakeholders

- All veterans, their dependents, and their survivors
- VHA Business Line Managers and Health Care Providers

Related Segment Architectures

- Health Business Segment

Requirement Description

The VistA Imaging Project provides online patient clinical images and scanned documents to healthcare providers. VistA Imaging captures clinical images, scanned documents, EKG waveforms and other non-textual data files and makes them part of the computerized patient record (CPRS)

Recommended Solution

Implement the VistA Imaging alternative, which is the multimedia component of VistA's electronic patient record that allows clinicians to access groups of digital images, motion video clips, graphics, sound and scanned documents. It is an integral part of the VistA hospital information system (HIS) and provides intra-hospital and inter-hospital communication, by allowing the sharing of patient information with collaborating clinicians within the local facility or at affiliated outpatient clinics and other medical centers. Medical care processes can be shared through the use of telemedicine. For example, an examination can be performed at a patient's local facility and the images can be transmitted to a specialist at a remote medical center. The specialist can interpret the images, and discuss treatment options with the local primary care provider. VistA Imaging is tightly integrated with CPRS to create a seamless comprehensive electronic medical record.

EA Investment Scoring

The following table provides the EA evaluation score for BY-2008 (this is the project's most recent Exhibit-300 budget request). Scores are provided for business, data and implementation issues and for an overall project average. The Exhibit-300 EA evaluation procedure is defined within the Enterprise Architecture Portal "Procedures Tab"; all scoring is based on a scale from 0 through 5.

VA EA Evaluation			
Business	Data	Implementation	Average
5.00	3.75	5.00	4.60

Project Value Proposition, Performance Measures and Measured Results

The following table identifies the VA and PMA business objectives that this project will satisfy, along with the performance metrics with which project success will be evaluated. For projects that are mature enough to have produced measured results, those results are also provided.

Project Value Proposition			
Support for PMA Initiatives 1.A.13.a & 1.A.13.b	Support for VA Strategic Goals 1.A.29	Project Metrics 1.D.1	Project Results/Outcomes 1.D.1
<p>Human Capital -----VistA Imaging streamlines processes to allow for strategic and cost-effective use of VHA personnel</p> <p>Expanded E-Government -----G2C - Improves medical services to veterans by providing image-enabled medical records. -----G2G - Collaborated with HHS and DoD to develop standards for electronic exchange of imaging information across federal agencies. VistA Imaging team is assisting Indian Health Service and DoD in using VistA Imaging capabilities.</p>	<p>Honor & Memorialize The products of the VistA Imaging Project enhance the ability of VHA clinicians to improve the quality of health care provided to veterans and their families in VHA medical centers</p> <p>Quality of Life VistA Imaging helps VA clinicians provide high-quality health care by giving them complete patient information and the electronic tools they need to make the best medical treatment decisions.</p>	<p>Measurement-1 Indicator In 2006, The number of new electronic images and documents available online will increase by 1% over the FY2005 baseline.</p> <p>Measurement-2 Indicator In 2006, Clinicians will expand their use of electronic images and documents by 2% more than the FY2005 baseline..</p> <p>Measurement-3 Indicator In 2007, The number of new electronic images and documents available online during the previous year will become the baseline for this year..</p> <p>Measurement-4 Indicator In 2007, The number of image accesses reported for FY2006 will be the baseline for performance for FY2007</p>	<p>Measurement-1 Results Exceeded goal: As of the end of June 2006, the number of new images available online was 106 million which exceeded the goal</p> <p>Measurement-2 Results Exceeded goal for 9 months and are ontrack to exceed annual goal: 62 million images were viewed annually by clinicians by June 2006 (6.9 million per month).</p> <p>Measurement-3 Results Results will be measured by Q2-FY2008</p> <p>Measurement-4 Results Results will be measured by Q2-FY2008</p>

Enterprise Impact

Healthcare treatment facilities must implement VistA Imaging to utilize multi-media features within CPRS such as the association of a scanned document or image with an electronic document, including progress notes, consults, procedure reports, and discharge summaries.

CPRS and VistA Imaging work together to support patient care processes within the VA.

This project establishes an imaging standard and identifies sharable technology that will apply to numerous Medical Imaging implementations across all VA medical facilities. It will permit transport and reuse of patient image data as the patient moves from one VA region to another.

Project Status

Funded from BY-2004 through BY-2007

Project currently at Milestone-3