

OSEHRA

OSEHRA Briefing

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Hot off the Press



- **Hack-o-thon**
 - Group Met at OSEHRA Over the weekend
 - Thank you

- **Major Bug Fix Contribution by DSS**
 - Error caused by patient merge

Current Organizational Members

Industry

Amida Technology Solutions

Bitscopic

Book Zurman, Inc.

CGI Federal

CGI Technologies and Solutions, Inc.

Cognosante

Document Storage Systems, Inc.

Electronic Health Solutions

FIS GT.M Group

HSPC

InterSystems Corporation

Kitware, Inc.

Liberty IT Solutions, LLC

MedicaSoft, LLC

Medsphere

Nuance

Paraxial, LLC

PatchAdvisor

Perspecta

SoosangST

Unisys

VistA Expertise Network

YottaDB LLC

Zato Health

Non-Profit / Academia

Oroville Hospital

The MITRE Corporation

Regenstrief Institute

University of Arkansas for Medical Sciences

Government

Central Regional Hospital (NC)

OSEHRA Groups

Group Name	Type	Last Meeting Date	Status
Advanced Convolutional Neural Networks (CNN)	Open Source Project Group	N/A	Pending Start
Architecture	Work Group	4/22/2019	Ad-Hoc
Certification	Work Group	5/21/2019	Active
Code Convergence	Work Group	10/4/2018	Ad-Hoc
Database Administration Committee (DBAC)	Discussion Group	3/1/2019	Ad-Hoc
Development Tools	Discussion Group	On-Going	Ad-Hoc
FHIR on VistA	Open Source Project Group	3/18/2019	Pending Start
Immunization	Open Source Project Group	5/2/2019	Active
Open Architecture	Work Group	5/29/2019	Active
Pharmacy	Work Group	5/15/2018	Ad-Hoc
popHealth Developer	Work Group	5/7/2019	Active
popHealth Steering	Work Group	5/7/2019	Active
popHealth User	Work Group	5/7/2019	Ad-Hoc
Reminders VA	Work Group	5/31/2019	Active
Synthetic Patient Data	Work Group	5/30/2019	Active
VA-PALS	Open Source Project Group	4/24/2019	Active
VistA Internationalization (Plan VI)	Open Source Project Group	5/28/2019	Active
Visualization	Open Source Project Group	5/16/2019	Active

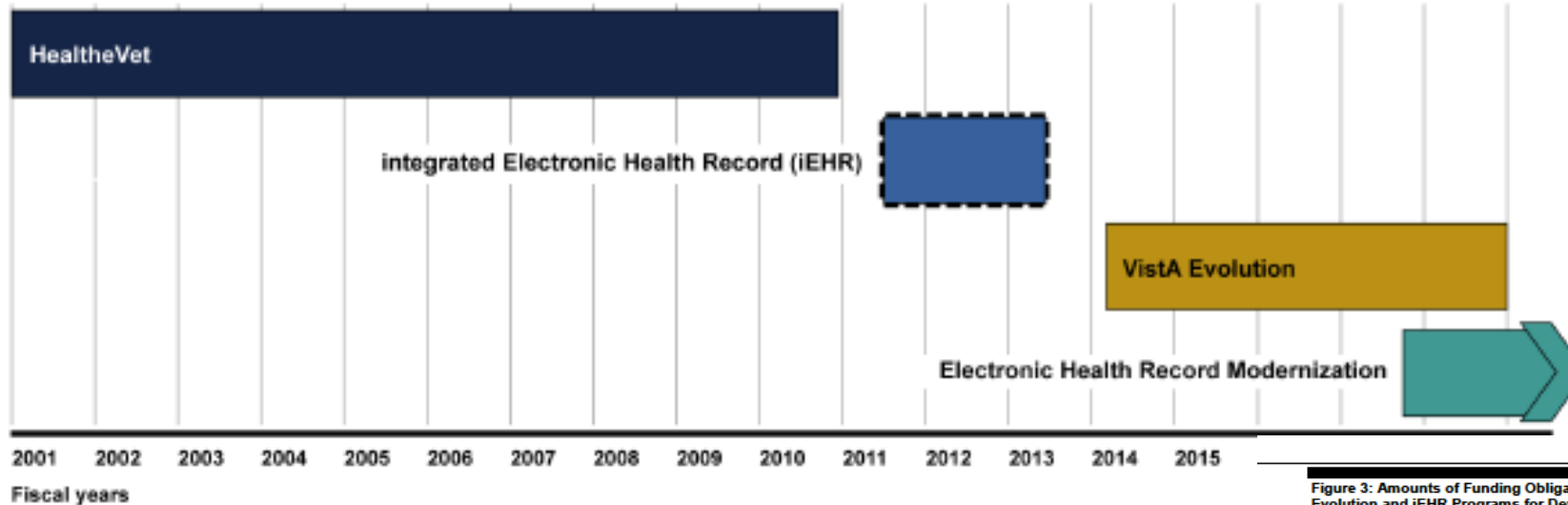
Archived Groups:


- Meaningful Use
- VistA/eHMP in the Cloud

- VistA Security TWG

GAO Report on VistA Modernization

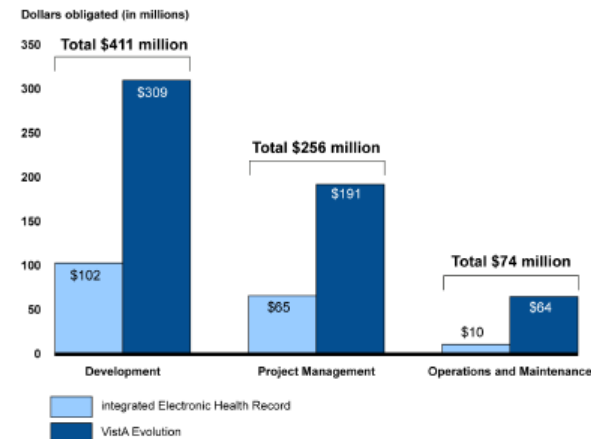
Figure 1: Timeline of the Department of Veterans Affairs Four Efforts to Modernize VistA Since 2001



 Joint effort with the Department of Defense

Source: GAO analysis of Department of Veterans Affairs data. | GAO-18-208

Figure 3: Amounts of Funding Obligated to Key Contractors Supporting the VistA Evolution and iEHR Programs for Development, Project Management, and Operations and Maintenance for 2011-2016



EHRM Industry Day

- Management Organization Structure
- In coordination with OIT (Tibbits) and VHA (Hume)
- VistA Transition is to be done in coordination with OIT
- Clinical Council: Working Hard and Overwhelmed
- Initial Operating Capability in March 2019
- Question about VistA Functions that Cerner Does Not Support
- Two Contractors: they are looking for partners

Congressional Interests



- **House Subcommittee on VA Modernization**
 - 4-5 Republican Members
 - Questions about VA-DoD Interoperability
 - Question of VistA Transition

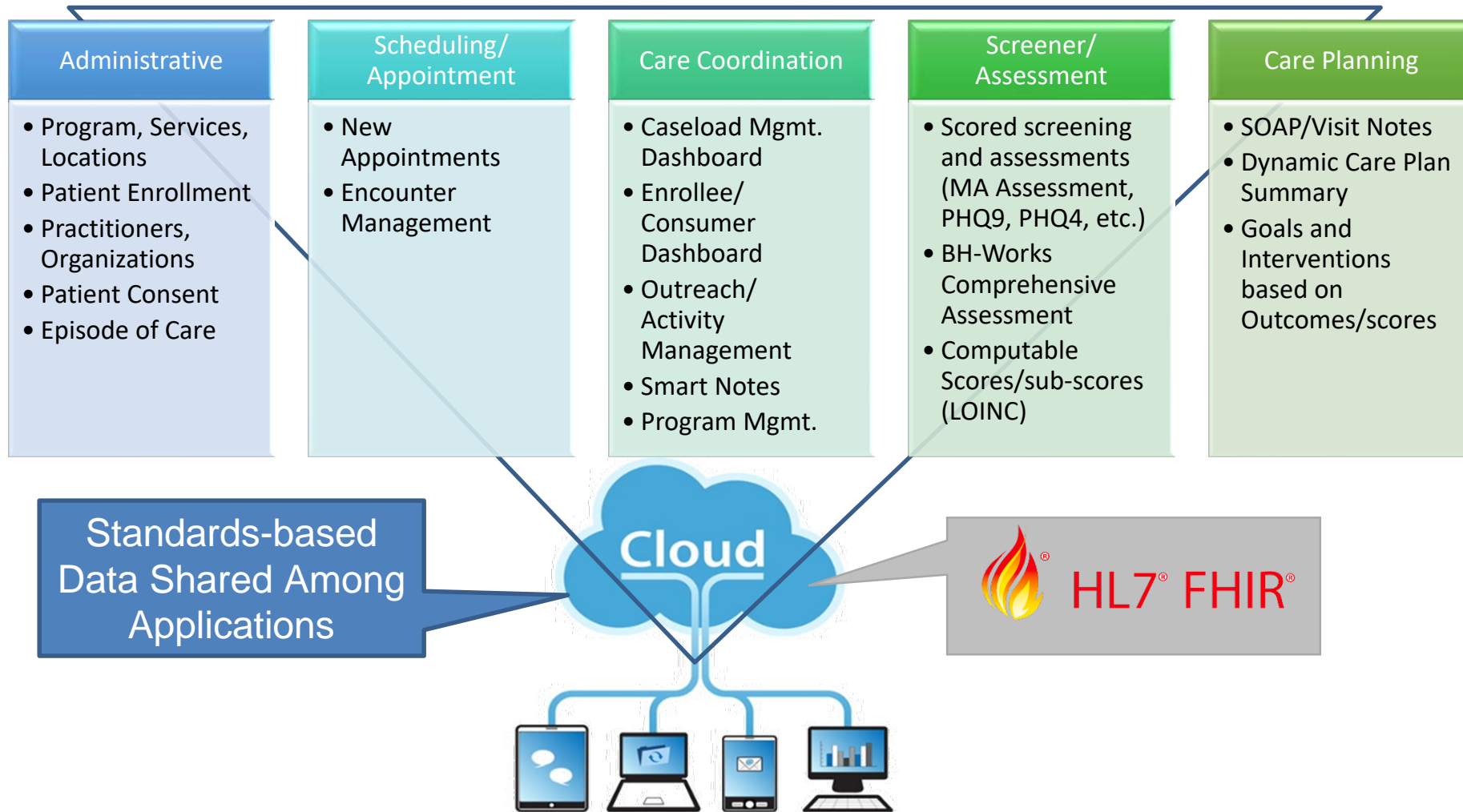
General Direction



- **Software as Service**
- **VA-DoD Joint Management Memo**
 - VA in no longer agreeable

Major Code Contribution SAMHSA on Care Coordination

Omnibus Care Plan Functional Overview



Omnibus Care Plan Technical Architecture

Cloud-based, Secure, HIPAA-Compliant, Scalable, Extensible web platform

- Browser-based, supports phone/mobile
- Low Information Technology (IT) overhead

Web-application

- HL7 Fast Healthcare Interoperability Resources (FHIR),
- Integration with Electronic Health Record (EHR), billing, quality systems

Standards-based Data Services

- HIPAA compliant cloud services
- Business Associate Agreement
- Centralized management, secure, scalable

Cloud-based & HIPAA-Compliant

- Reuses existing software components
- Extensible to integrate other applications

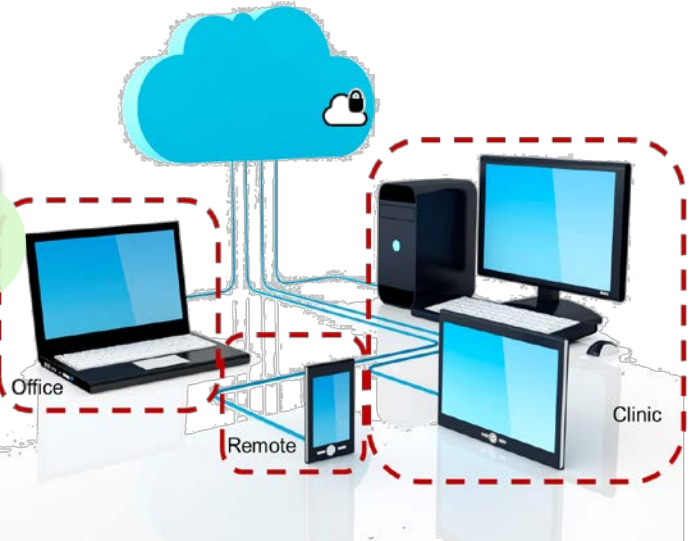
Reusability and Extensibility

- Encryption
- Identity & Access Mgmt.
- User roles (Permissions)
- Patient Consent

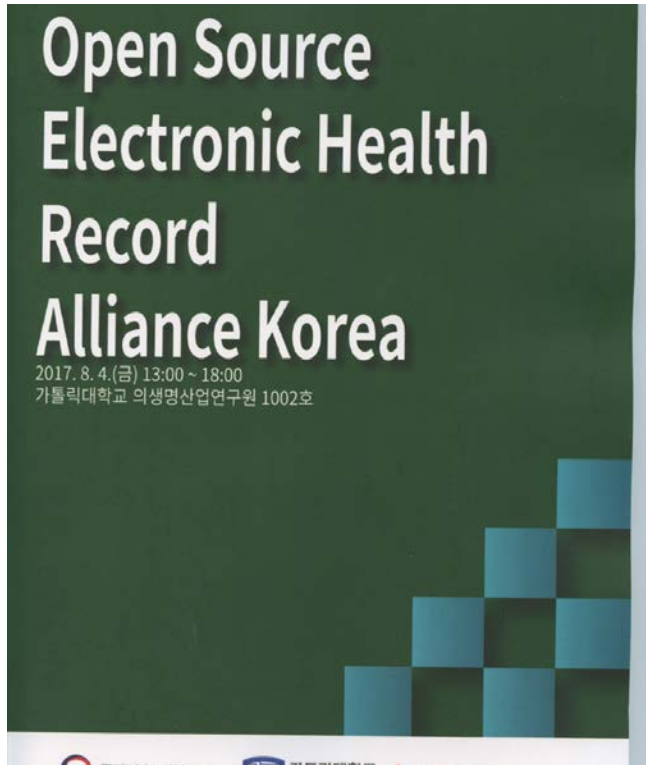
Security/Privacy

- Automatic increase in memory, storage to match user needs cloud services

Scalable



Emerging Korean Community



Pusan University Consortium

VistA Training Resources:

<https://www.osehra.org/content/sample-ehr-curriculum>

The screenshot shows the OSEHRA website interface. At the top, the OSEHRA logo is on the left, and a search bar with a magnifying glass icon is on the right. Below the search bar are input fields for 'Username', 'Password', and a 'Log in' button, with a 'Request new password' link underneath. A blue navigation bar contains dropdown menus for 'About Us', 'Projects', 'Community', 'Events', 'Technical Resources', and 'Join OSEHRA'. The main content area features a large banner for 'Sample EHR Curriculum' with a graphic of three books. Below the banner is a sidebar on the left titled 'Education Portal' with links to 'Education Home Page', 'Glossary', 'Sample EHR Curriculum for Developers & Informaticists', 'OSEHRA Educational Video Content', 'myVeHU Campus Training', 'Documentation Library', and 'CPRS Tab-by-Tab'. The main content area contains a table with two columns: 'Developer Track' and 'Informaticist Track'. The table lists various training topics and their descriptions.

Developer Track	Informaticist Track
Install VistA - Follow the instructions on this page. The first three listed will be of use for installing VistA. The other instructions will be used later in this curriculum.	Install VeHU Image and Connect Users - Use the docker instructions provided with VeHU to install this educational version of VistA. Developed by the VA eHealth University this image includes patient data for an added jump-start.
Learn to configure Scheduling - Figure out the tasks for setup using this setup checklist. Refer back to instruction number 5 on the previous page to setup clinics	Introduction to EMRs - ONC provides this curriculum for introducing users to Electronic Medical Records systems.
Learn how to configure Hospital and Beds - Figure out the tasks for configuring using this setup checklist. Some of these steps are also described in instructions 6-8 on the hardhats page .	CPRS Configuration - Learn how to configure CPRS with this very informative setup guide. This Brief Overview of CPRS video is a good introduction to CPRS, along with this catalog of CPRS training .

Project Schedule

Task Name	Duration	Start	Finish	Q3 2018			Q4 2018			Q1 2019			Q2 2019		
				Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
- VistA Internationalization	228d	08/01/18	06/14/19												
- Korean Language Integration	145d	08/01/18	02/19/19												
CPRS Read and Write	14w	08/01/18	11/06/18												
Fileman / Role and Scroll	6w	11/07/18	12/18/18												
HL7 Operating Capability	6w	12/19/18	01/29/19												
Packaging, Compiling, and Documentation	3w	01/30/19	02/19/19												
+ Chinese Language Integration	35d	02/20/19	04/09/19												
+ German Language Integration	20d	04/10/19	05/07/19												
+ Arabic Language Integration	18d	05/08/19	05/31/19												
Final Packaging, Compiling, and Documentation	2w	06/03/19	06/14/19												

Recent Visit of Korea Delegation

- **Single Payer Health System**
- **PHR/Blue Button Based Data Hub**
- **Open Source Based EHR Solutions:**
 - Mid-size Hospitals

Summit Sponsors



- **Conference Sponsor – Perspecta**
- **Platinum – DSS**
- **Bronze – Book Zurman, Oroville, Prologica**
- **WiFi – YottaDB**
- **Exhibitors – Kitware, Patch Advisor, YottaDB**

OSEHRA Summit Highlights



- **YottaDB pre-Summit Training on 8 July**
- **VA Activities**
- **HHS/HIS CTO Study**
 - Howard Hayes, Theresa Cullen and Maia Laing
- **SAMHSA Care Coordination Platform Demo**
- **Health Concourse Demo**
- **VA-PAL**

Federal Open Source Panel



- **Social Security Administration**
- **Department of Homeland Security**
- **National Security Agency**
- **National Science Foundation**
- **Federal Election Committee**
- **Department of Transportation**

OSEHRA

Thank you.

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www.osehra.org