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

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

Administrative
- Program, Services, Locations
- Patient Enrollment
- Practitioners, Organizations
- Patient Consent
- Episode of Care

Scheduling/Appointment
- New Appointments
- Encounter Management

Care Coordination
- Caseload Mgmt. Dashboard
- Enrollee/Consumer Dashboard
- Outreach/Activity Management
- Smart Notes
- Program Mgmt.

Screener/Assessment
- Scored screening and assessments (MA Assessment, PHQ9, PHQ4, etc.)
- BH-Works Comprehensive Assessment
- Computable Scores/sub-scores (LOINC)

Care Planning
- SOAP/Visit Notes
- Dynamic Care Plan Summary
- Goals and Interventions based on Outcomes/scores

Standards-based Data Shared Among Applications
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

Open Source Electronic Health Record Alliance Korea

Pusan University Consortium
VistA Training Resources:
https://www.osehra.org/content/sample-ehr-curriculum

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

Sample EHR Curriculum
Project Schedule

<table>
<thead>
<tr>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>VistA Internationalization</td>
<td>228d</td>
<td>08/01/18</td>
<td>06/14/19</td>
</tr>
<tr>
<td>Korean Language Integration</td>
<td>145d</td>
<td>08/01/18</td>
<td>02/19/19</td>
</tr>
<tr>
<td>CPRS Read and Write</td>
<td>14w</td>
<td>08/01/18</td>
<td>11/06/18</td>
</tr>
<tr>
<td>Fileman / Role and Scroll</td>
<td>6w</td>
<td>11/07/18</td>
<td>12/18/18</td>
</tr>
<tr>
<td>HL7 Operating Capability</td>
<td>6w</td>
<td>12/19/18</td>
<td>01/29/19</td>
</tr>
<tr>
<td>Packaging, Compiling, and Documentation</td>
<td>3w</td>
<td>01/30/19</td>
<td>02/19/19</td>
</tr>
<tr>
<td>Chinese Language Integration</td>
<td>35d</td>
<td>02/20/19</td>
<td>04/09/19</td>
</tr>
<tr>
<td>German Language Integration</td>
<td>20d</td>
<td>04/10/19</td>
<td>05/07/19</td>
</tr>
<tr>
<td>Arabic Language Integration</td>
<td>18d</td>
<td>05/08/19</td>
<td>05/31/19</td>
</tr>
<tr>
<td>Final Packaging, Compiling, and Documentation</td>
<td>2w</td>
<td>06/03/19</td>
<td>06/14/19</td>
</tr>
</tbody>
</table>
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
Thank you.

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www.osehra.org