Department of Veterans Affairs Electronic Health Record System

Staff electronic immunization records & mass vaccination capabilities

PRESENTATION TO: HHS National Vaccine Advisory Committee
PRESENTING: Richard Martinello, MD
Chief Consultant, Clinical Public Health
Veterans Health Administration - Office of Public Health

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Presentation Question to Answer

- What has VA developed to travel health care staff immunizations?
- Can the existing VA system help with vaccinations to non-VA beneficiaries?
- What exists in the VA electronic health record system to support mass vaccination services?
Provision of medical counter measures during a national emergency or disaster

• VA is funded by Congress to provide care to beneficiaries defined by Federal law.

• Stafford Act: 1988 amended version of the Disaster Relief Act of 1974
  – Allows a means for Federal disaster assistance

• In general, unless VA is providing care and services pursuant to a mission assignment under the Stafford Act, VA must be reimbursed for care provided to non-VA beneficiaries.

• Emergency Support Function #8 (ESF #8) of the National Response Framework (NRF) provides the mechanism for coordinated Federal assistance “in response to a public health and medical disaster, potential or actual incidents requiring a coordinated Federal response, and/or during a developing potential health and medical emergency.”

• VA is identified as a support agency for ESF #8 and can be called on to assist with distribution operations involving mass prophylaxis and vaccination.
VA Medical Facility Locations
VHA Directive 2010-003
Vaccination of Non-VA Federal Health Care and Emergency Support Staff

• Issued January 2010
• Provides policy, responsibility for vaccination other Federal employees
• Policy: “to provide vaccination services to non-VA Federal employees who are hands-on health care providers, emergency support service providers, or handle potentially infectious clinical specimens containing the 2009 H1N1 influenza virus.”
• Documentation is to be placed in the VHA Occupational Health Record-keeping System (OHRS).
Occupational Health Record-Keeping System (OHRS)

- Compliance with HIPAA and Privacy Act regulations
- Compliance with OSHA, EPA, OPM and Joint Commission
- Cost containment of work-related injuries
- National tracking and reporting
- Ability to accept demographic and emergency contact information on other Federal employees
- Reports on vaccination status can be generated for other agencies, as well as a vaccination record
Welcome To OHRS

The Occupational Health Record-keeping System (OHRS) is designed to address clinical service needs of VA Employee Occupational Health Programs.

OHRS provides employee occupational health staff with the means to electronically record health information on employees, volunteers, academic affiliates and others who work in VA facilities. OHRS also provides occupational health staff the ability to generate reports and graphs thus providing the ability to analyze data needed to create a healthier and safe working environment.

You Have Alerts

Search Select Patient
Create New Patient
Quick Load Vaccination

Keeping system, the OHRS application provides occupational
staff to those with a need for the OHRS application. Your role in
have access to.
Current Features of OHRS—Information Displayed

- **Coversheet**
  - Respirator clearance
  - Immunity Status
  - Encounter distribution
  - Cumulative vaccination record (printable)

- **Encounters**
  - Listed by date, type, provider
  - Sort and filter to easily find

- **Notification list**
  - Notifications sent to employees

- **Alerts**
  - Notifications to clinicians

- **Patient Information**
  - Demographics
  - Work Profile
  - Risk profile

- **Work Ability**

- **Resource links**
  - Other Federal Agencies - CDC, NIOSH
  - References - Disability Guidelines

- **Occupational Health Staff Directory**
Current Features - Data Entry

• General Patient Information
  – Central PAID (upload weekly)
  – Voluntary Service (upload biweekly)
  – Other federal agency (able to accept)
  – Other workers – hand entry

• Risk Profile (surveillance profiles)
  – Tuberculosis
  – Hepatitis B
  – Job Risk

• Pandemic influenza encounter
  – Clinic visit
  – Telephone consult
  – Front door screening

• Adverse medication reaction

• Immunization administration
  – Hepatitis A
  – Hepatitis B
  – Hepatitis AB
  – MMR
  – Varicella
  – MMR
  – Seasonal Influenza
  – Novel H1N1 Influenza
  – Pneumococcal
  – TT
  – Td
  – Tdap

• Quickload (mass vaccination for influenza)

• Medical surveillance
  – Medical clearance respirator
  – Fit testing and training

• Work Ability
<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Type of Vaccine</th>
<th>Date Given</th>
<th>Dose Number</th>
<th>Vaccine Manufacturer</th>
<th>Lot Number</th>
<th>Route</th>
<th>Site</th>
<th>Dosage</th>
<th>Vaccine Information Statement (VIS)</th>
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</thead>
<tbody>
<tr>
<td>Tetanus, Diphtheria, Acellular Pertussis (e.g., Td, Tdap)</td>
<td>Tetanus Diphtheria Acellular Pertussis</td>
<td>06/22/2011</td>
<td>1</td>
<td>GlaxoSmithKline</td>
<td>4eer5yu8</td>
<td>Intramuscular</td>
<td>Deltoid, Left</td>
<td>0.5 ml</td>
<td>06/01/2011 06/22/2011</td>
</tr>
<tr>
<td>Hepatitis A (e.g., HepA, HepA-HepB)</td>
<td>Hepatitis A and B Combination</td>
<td>03/18/2011</td>
<td>1</td>
<td>mrck</td>
<td>35476d23</td>
<td>Intramuscular</td>
<td>Forearm, Right</td>
<td>1.0</td>
<td>03/01/2011 03/18/2011</td>
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<td>Hepatitis A and B Combination</td>
<td>03/18/2011</td>
<td>1</td>
<td>mrck</td>
<td>35476d23</td>
<td>Intramuscular</td>
<td>Forearm, Right</td>
<td>1.0</td>
<td>03/01/2011 03/18/2011</td>
</tr>
<tr>
<td>Measles, Mumps, Rubella (MMR)</td>
<td>MMR</td>
<td>03/23/2011</td>
<td>1</td>
<td>ewt</td>
<td>2346</td>
<td>Intramuscular</td>
<td>Arm, Left</td>
<td>1</td>
<td>03/03/2011 03/23/2011</td>
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<tr>
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<td>Seasonal Influenza</td>
<td>09/13/2011</td>
<td>1</td>
<td>Sanofi Pasteur</td>
<td>345</td>
<td>Subcutaneous</td>
<td>Arm, Left Upper</td>
<td>.6</td>
<td>09/01/2011 09/13/2011</td>
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<td>09/13/2011</td>
<td>1</td>
<td>GlaxoSmithKline</td>
<td>23423</td>
<td>Intramuscular</td>
<td>Deltoid, Left</td>
<td>0.5 ml</td>
<td>09/01/2011 09/13/2011</td>
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<tr>
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<td>09/12/2011</td>
<td>1</td>
<td>GlaxoSmithKline</td>
<td>12312</td>
<td>Intramuscular</td>
<td>Deltoid, Left</td>
<td>0.5 ml</td>
<td>09/01/2011 09/12/2011</td>
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<tr>
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<td>09/09/2011</td>
<td>1</td>
<td>CSL Biotherapies Inc.</td>
<td>11111</td>
<td>Intramuscular</td>
<td>Deltoid, Right</td>
<td>0.5 ml</td>
<td>07/04/2011 09/09/2011</td>
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<td>Seasonal Influenza</td>
<td>08/29/2011</td>
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<td>Sanofi Pasteur</td>
<td>46596709</td>
<td>Intradermal</td>
<td>Forearm, Left</td>
<td>0.1 ml</td>
<td>08/11/2011 08/29/2011</td>
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</tbody>
</table>
**Plan**

### Seasonal Influenza Vaccine

- **Received Previously:**
  - Yes
  - No

- **Medically Contraindicated:**
  - Yes
  - No

- **Patient given Vaccination Information Sheet:**
  - Yes
  - No

- **Date VIS Given:** 05/11/2012

- **VIS Publication Date:** 05/02/2012

- **Declination Statement Signed:**
  - Yes
  - No

- **Vaccination Administered:**
  - Yes
  - No

#### High Dose:
- Yes
- No

- **Drug Company:** Sanofi Pasteur
- **Lot Number:** 347658579
- **Expiration Date:** 05/29/2012
- **Dose:** 0.5 ml
- **Route:** Intramuscular
- **Injection Site:** Deltoid, Left

**Follow-Up Plan (select one or more):**
Detailed and Summary Reports
Facility / VISN/ National
Detailed and Summary

- Vaccination Status
- Vaccination Rate
- Immunity Status
- Vaccine administration
- Infectious Disease Exposure
- Infectious Disease Surveillance
- Medical Surveillance Status
  - Respirator Medical Clearance
  - Respirator Fit Test
- Adverse Medication Reaction
- Work Ability – Duty Status
- Other Federal Agency Vaccination Status
- Other Federal Agency Adverse Reaction
- OHRS user access tracking
# National Report

Summary Seasonal Influenza Vaccine Vaccination Rate

<table>
<thead>
<tr>
<th>VISN</th>
<th>Duty Station</th>
<th>Number Vaccinated</th>
<th>Total Number of Patients</th>
<th>Total Rate By Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISN 1</td>
<td>BEDFORD VAMC(#518)</td>
<td>0</td>
<td>1299</td>
<td>0 %</td>
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<tr>
<td></td>
<td>BOSTON HCS VAMC(#523)</td>
<td>0</td>
<td>4273</td>
<td>0 %</td>
</tr>
<tr>
<td></td>
<td>CONNECTICUT HCS(#689)</td>
<td>0</td>
<td>2584</td>
<td>0 %</td>
</tr>
<tr>
<td></td>
<td>MANCHESTER VAMC(#608)</td>
<td>0</td>
<td>682</td>
<td>0 %</td>
</tr>
<tr>
<td></td>
<td>PROVIDENCE VAMC(#650)</td>
<td>0</td>
<td>1246</td>
<td>0 %</td>
</tr>
<tr>
<td></td>
<td>VA CNTRL WSTRN MASSACHUSETS HCS(#631)</td>
<td>0</td>
<td>696</td>
<td>0 %</td>
</tr>
<tr>
<td></td>
<td>VA MAINE HCS(#402)</td>
<td>0</td>
<td>1553</td>
<td>0 %</td>
</tr>
<tr>
<td></td>
<td>WHITE RIVER JCT VAMROC(#405)</td>
<td>0</td>
<td>947</td>
<td>0 %</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>0</td>
<td>13280</td>
<td>0 %</td>
</tr>
</tbody>
</table>
Future OHRS Releases

• Administrative Encounters
  – Pre-placement, police, boiler plant operator etc.
• Medical Surveillance Encounters
  – Asbestos, formaldehyde, ethylene oxide, etc
• Work-related injuries, illnesses and exposures
• Tuberculosis screening results
• Personal Health
  – Wellness/Health Promotion
  – Sick call, immunizations
• Scheduling
• Link to Safety and Worker’s Compensation software
• Additional support reference tools
Mass Immunization Capabilities

- 2009 H1N1 monovalent influenza vaccine
- Seasonal influenza vaccines
- Ability to Report:
  - Vaccination Status
  - Vaccination Rate
  - Number of Doses Administered
  - Adverse Reactions
  - Illness
  - Staff fitness for duty
- “Quickload” feature
Adding Additional Features to OHRS

• New vaccines
• New report
• Length of time to implement is dependent on several factors
  – Funding
  – Complexity of what is needed
  – Development time (depends on complexity)
  – Testing (1 week)
  – VA IT approval for release to the field
• Additional functionality added every 3 months
  – Can expedite, if urgent need
Questions?