

## 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

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Veterans Health Administration - Office of Public Health

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**VA**  
HEALTH  
CARE | Defining  
**EXCELLENCE**  
in the 21st Century

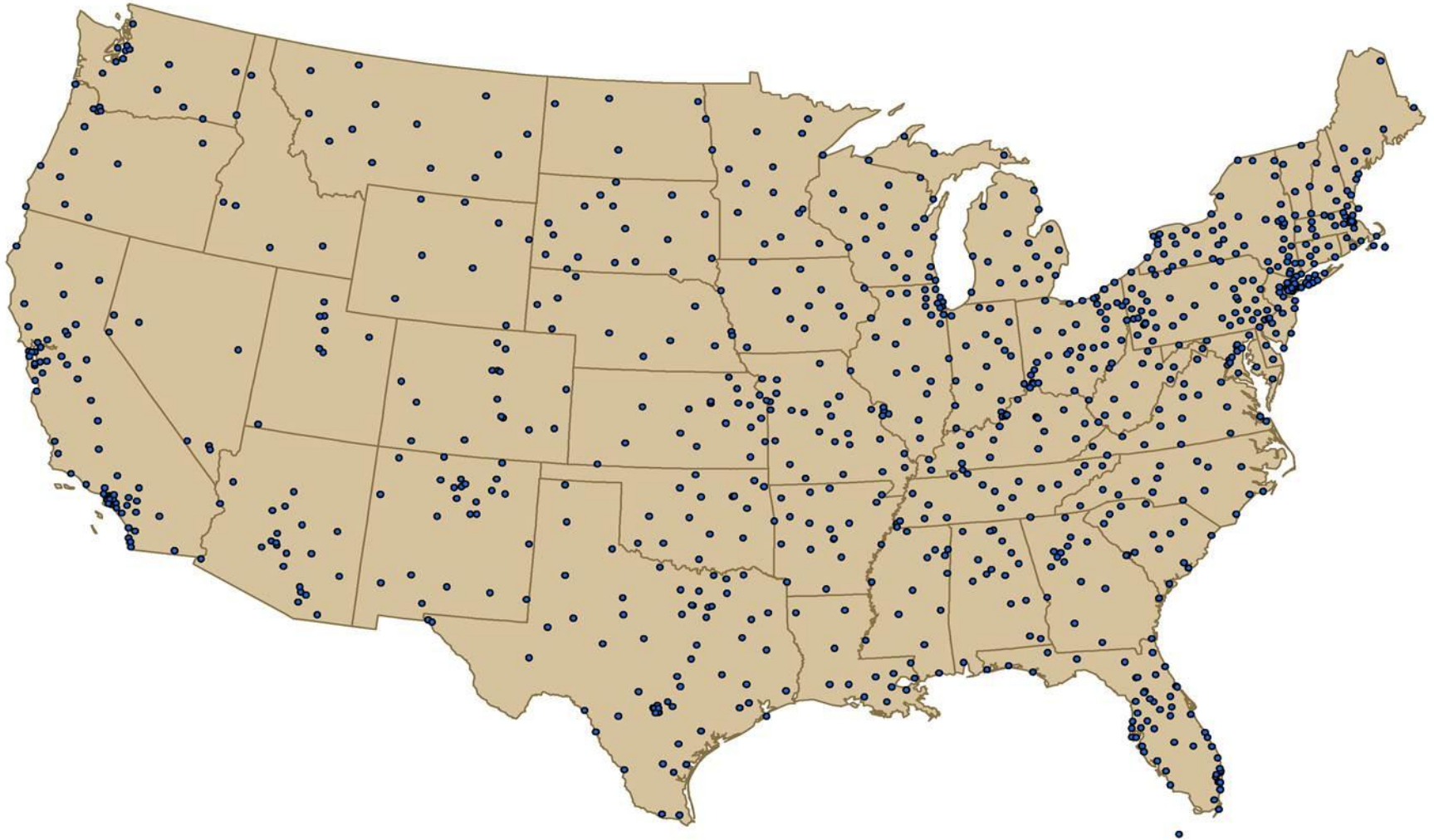
## Presentation Question to Answer

- 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





Search

Menu

Reference



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## 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.

[Search Select Patient](#)

[Create New Patient](#)

[Quick Load Vaccination](#)

[OHRS Home](#)

[Alerts](#)

[Change/Select Station](#)

[Notification Library](#)

[Patient](#)

[Reports](#)

[Administration](#)

[My Profile](#)

[Help](#)

...keeping system, the OHRS application provides occupational ...  
...prove the management of occupational health services such as ...  
...links to VA directives and policies, guidebooks, other Federal agencies and information on the ...  
...management of common health problems seen in occupational health.

# 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**



Patient Type: Employee Work Status: Active City: FORTWORTH State: Texas

Cover Sheet Encounters Notifications Patient Information Work Ability

Print Cumulative Vaccination Record

Disease Protection

Immunity Status Summary

Disease	Immunity Status Date	Immunity Status
Hepatitis A	03/23/2011	Susceptible
Hepatitis B	03/23/2011	Susceptible
Measles	03/23/2011	Susceptible
Mumps	03/23/2011	Susceptible
Rubella	03/23/2011	Susceptible
Pandemic Influenza		
Seasonal Influenza	09/13/2011	Immune By Vaccination
Pneumonia		
Varicella		

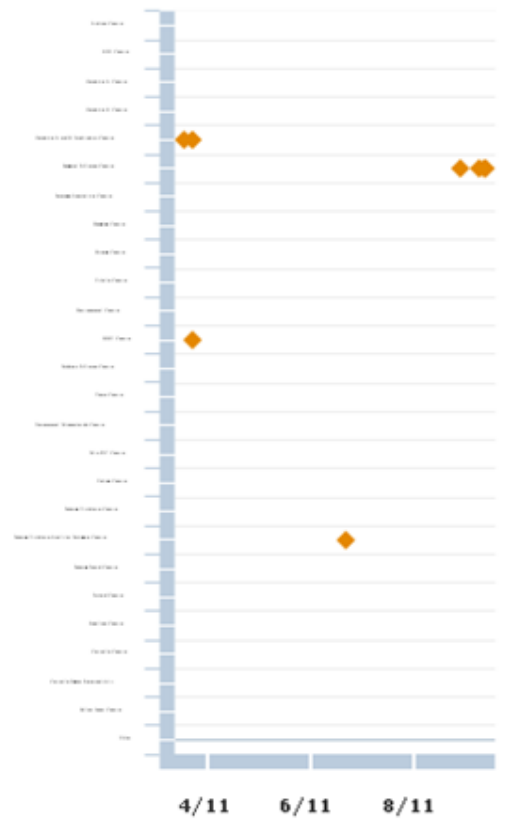
Respirator Fit Test Summary

Maximize to view all Respirator Fit Test summaries

Respirator Fit Test Summary

Type of Respirator	Respirator Manufacturer	Manufacturer's Model Number	Face Piece Type	Respirator Size	Next Fit Test Date	Respirator Fit Test Status

Full Shot Record



Search Menu Reference

## 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**

**Patient Information**

Name: EGGS, OHRS TESTPATIENT      SSN: XXX-XX-8277      Date of Birth: 06/09/1948      Gender: Male

Patient Status: Employee      Work Status: Active      City:      State:

- Cover Sheet
- Encounters
- Notifications
- Patient Information**
- Work Ability

**Demographics**

**Patient Information:**

First Name: \* OHRS

Middle Name: TESTPATIENT

Last Name: \* EGGS

Suffix:

Former Last Name:

SSN (no dashes): \* 666008277

Date of Birth (MM/DD/YYYY): \* 06/09/1948

Gender: \* Male

Race (select all that apply):

American Indian or Alaska Native       Asian       Black or African American

Native Hawaiian or Other Pacific Islander       White       Unknown

Declined to Answer

Ethnicity: Select

Patient Status: \* Employee

Other Federal Agency: Select

Veterans Affairs Administration: Select

- Search
- Menu
- Reference
- Demographics
- Work Profile
- Risk Profile

# Vaccine Administration Record

Department of Veteran Affairs  
Occupational Health

Last Name: CISSAUTOPAT First Name: ETN Middle Name: UPLOAD

Gender: Female

Birthdate: 11/27/1971

Print Location/Date/Time: SALT LAKE CITY HCS (#660) 05/11/2012 13:44 EDT

Vaccine	Type of Vaccine	Date Given	Dose Number	Vaccine		Route	Site	Dosage	Vaccine Information Statement (VIS)		Vaccine Administrator	Received Previously
				Manufacturer	Lot Number				VIS Publication Date	VIS Given Date		
Tetanus, Diphtheria, Acellular Pertussis (e.g., Td, Tdap)	Tetanus Diphtheria Acellular Pertussis	06/22/2011		GlaxoSmithKline	4eer5yu8	Intramuscular	Deltoid, Left	0.5 ml	06/01/2011	06/22/2011	Hirsch, Pamela	
Hepatitis A (e.g., HepA, HepA-HepB)	Hepatitis A and B Combination	03/18/2011	1	mrck	35475d23	Intramuscular	Forearm, Right	1.0	03/01/2011	03/18/2011	Hirsch, Pamela	
Hepatitis B (e.g., HepB, HepA-HepB)	Hepatitis A and B Combination	03/18/2011	1	mrck	35475d23	Intramuscular	Forearm, Right	1.0	03/01/2011	03/18/2011	Hirsch, Pamela	
Measles, Mumps, Rubella (MMR)	MMR	03/23/2011	1	ewt	2346	Intramuscular	Arm, Left Upper	1	03/03/2011	03/23/2011	Hirsch, Pamela	
Seasonal Influenza (e.g., TIV, inactivated; LAIV, live attenuated)	Seasonal Influenza	09/13/2011		Sanofi Pasteur	345	Subcutaneous	Arm, Left Upper	.6	09/01/2011	09/13/2011	CISSuserG, Eight	
	Seasonal Influenza	09/13/2011		GlaxoSmithKline	23423	Intramuscular	Deltoid, Right	0.5 ml	09/01/2011	09/13/2011	CISSuserG, Eight	
	Seasonal Influenza	09/12/2011		GlaxoSmithKline	12312	Intramuscular	Deltoid, Right	0.5 ml	09/01/2011	09/12/2011	CISSuserG, Eight	
	Seasonal Influenza	09/09/2011		CSL Biotherapies Inc.	11111	Intramuscular	Deltoid, Right	0.5 ml	07/04/2011	09/09/2011	CISSuserG, Eight	
	Seasonal Influenza	08/29/2011		Sanofi Pasteur	46596709	Intradermal	Forearm, Left	0.1 ml	08/11/2011	08/29/2011	Hirsch, Pamela	



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Menu

Reference

Encounter Date: \* 05/11/2012 Time (military): \* 14:23 EDT  
 Purpose: sde

Submit Review Cancel

History Subjective Objective Assessment Plan\* Encounter Codes\*

Plan Plan Comments

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  Not Applicable

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
- OHRIS user access tracking





As of Date: 09/02/2011  
Date/Time Run: 09/02/2011 11:04 EDT

# National Report

## Summary Seasonal Influenza Vaccine Vaccination Rate

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

## 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?