Healthcare Personnel Safety Component

Healthcare Personnel Vaccination Module
Influenza Vaccination Summary

National Center for Emerging and Zoonotic Infectious Diseases
Division of Healthcare Quality Promotion

Objectives

- **Provide an overview of the National Healthcare Safety Network (NHSN) and the Healthcare Personnel (HCP) Vaccination Module**
- **Review how to get started in the Healthcare Personnel Safety (HPS) Component**
- **Describe reporting requirements for the HCP Influenza Vaccination Summary**
- **Review entering data for the HCP Influenza Vaccination Summary**
  - HCP Safety Monthly Reporting Plan
  - HCP Influenza Vaccination Summary
- **Outline data analysis features**

Overview of NHSN

Purposes of NHSN

- **NHSN is a secure, Internet-based surveillance system managed by the CDC's Division of Healthcare Quality Promotion (DHQP) that is used to:**
  - Collect data from a sample of healthcare facilities to permit valid estimations of the:
    - Magnitude of adverse events
    - Adherence to practices to prevent adverse events
  - Analyze and report collected data to permit recognition of trends
  - Provide facilities with data that can be used for inter-facility comparisons and local quality improvement activities

Purposes of NHSN

- Enable healthcare facilities to report healthcare-associated infections (HAI) and prevention practice adherence data via NHSN to the U.S. Centers for Medicare and Medicaid Services (CMS) in fulfillment of CMS's quality measurement reporting requirements for those data

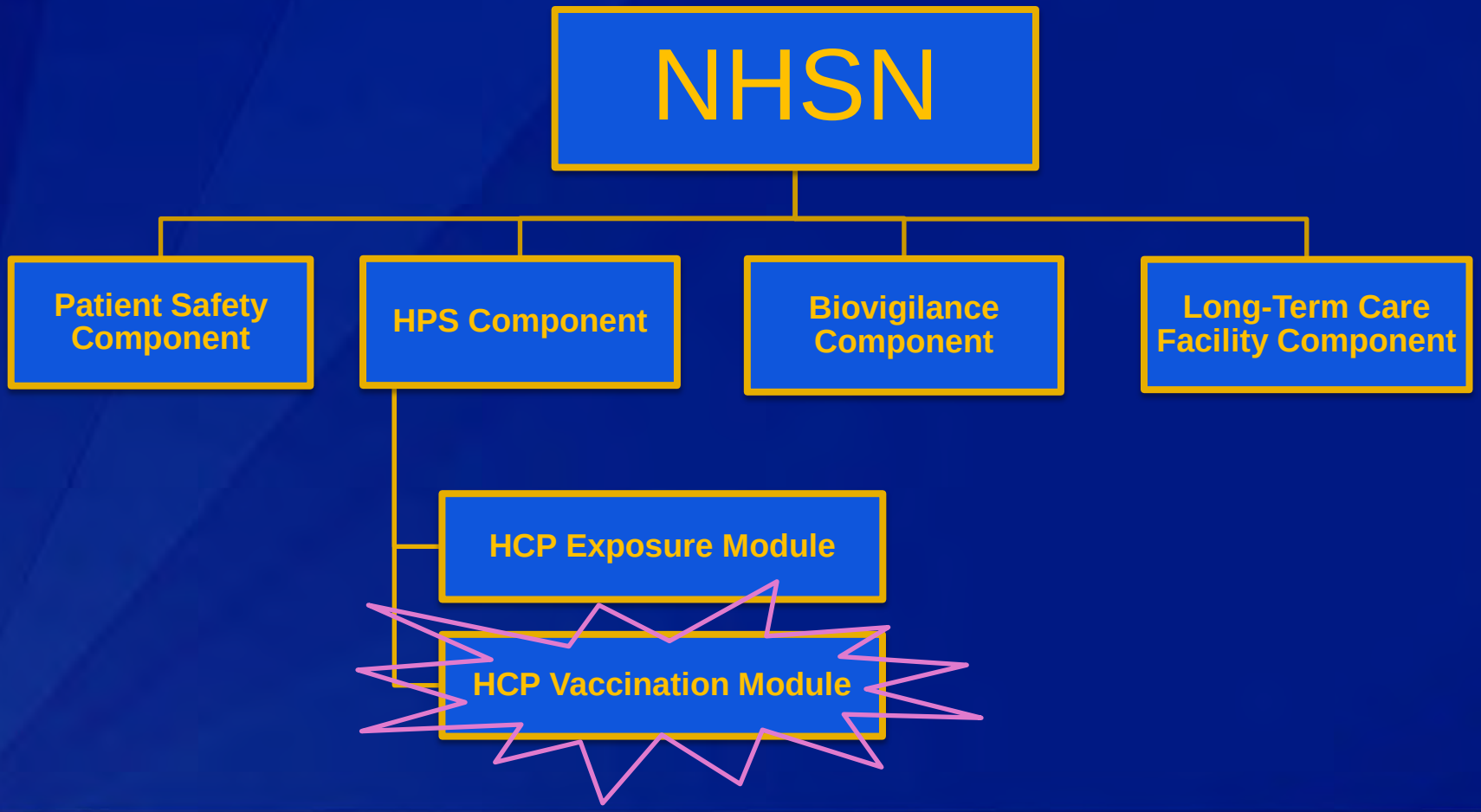
A comprehensive list of purposes can be found on the Website:

http://www.cdc.gov/nhsn/

Assurance of Confidentiality

- **“The voluntarily provided information obtained in this surveillance system that would permit identification of any individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the individual, or the institution in accordance with Section 304, 306, and 308(d) of the Public Health Service Act (42 USC 242b, 242k, and 242m(d)).”**

NHSN Structure



HPS Component

- **The HPS Component consists of two modules:**
  - **HCP Exposure Module**
    - Blood/Body Fluid Exposure Only
    - Blood/Body Fluid Exposure with Exposure Management
    - Influenza Exposure Management
  - **HCP Vaccination Module**
    - Influenza Vaccination Summary
- **The Influenza Vaccination Summary within the HCP Vaccination Module is designed to assist staff in healthcare facilities to monitor influenza vaccination percentages among HCP**

Overview of the HCP Influenza Vaccination Summary

HCP Influenza Vaccination Summary

- **The HCP Vaccination Module allows NHSN users to report HCP influenza vaccination summary data**
- **HCP influenza vaccination summary data is designed to ensure that reported HCP influenza vaccination coverage is:**
  - Consistent over time within a single healthcare facility
  - Comparable across facilities
- **Improvements in tracking and reporting HCP vaccination status may allow for identification and targeting of unvaccinated HCP**

HCP Influenza Vaccination Summary

- **Data are collected on denominator and numerator categories**
  - Denominator categories:
    - HCP must be physically present in the facility for at least 1 working day between October 1 through March 31
    - Includes both full-time and part-time HCP
      - Employee HCP
      - Non-employee HCP: Licensed independent practitioners (physicians, advance practice nurses, and physician assistants)
      - Non-employee HCP: Adult students/trainees and volunteers
  - Numerator categories:
    - Influenza vaccinations, medical contraindications, declinations, and unknown status
- **Facilities are required to report all numerator categories for the three denominator categories**

Getting Started in the HPS Component

Key Roles in NHSN

- **Facility Administrator**
  - The person enrolling the facility in NHSN
  - Only person who can activate additional components for a facility
  - Has add/edit/delete rights to facility data, users, and users' access
  - Has authority to nominate/join groups for data sharing
  - Only person who can re-assign the role of Facility Administrator to another user
  - There is only one Facility Administrator per facility

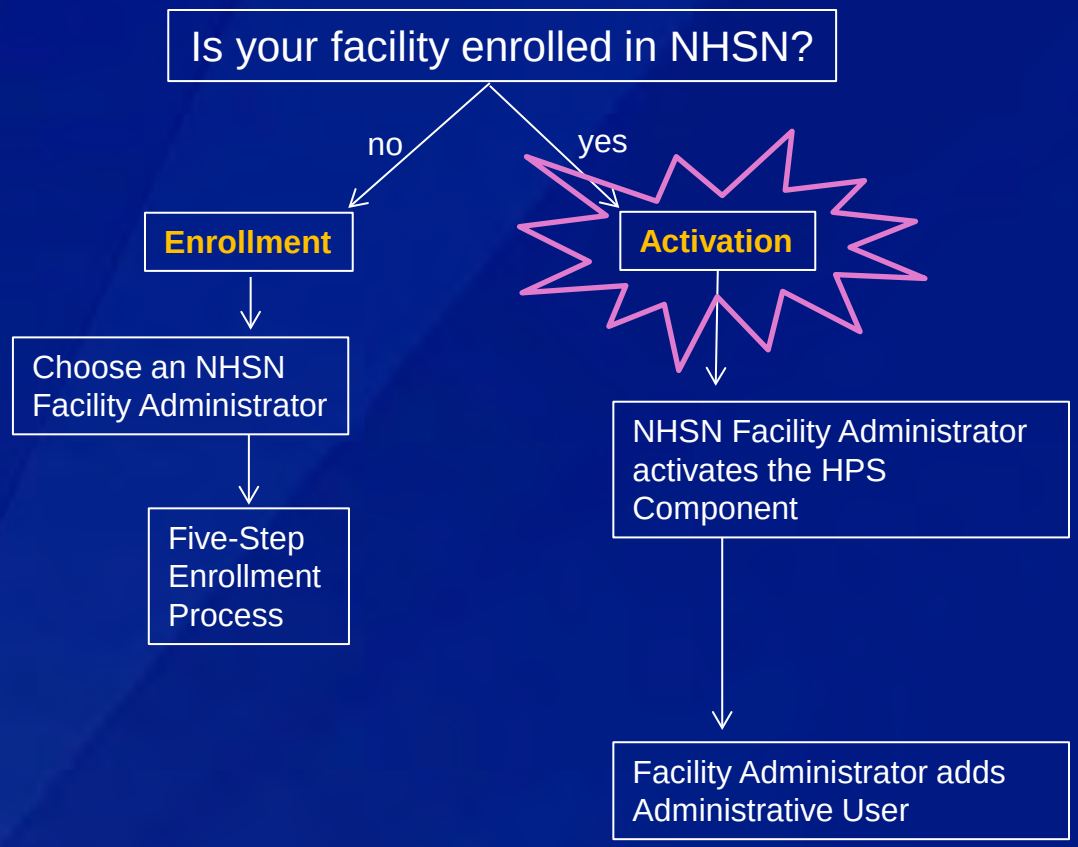
- **Users**
  - Rights are determined by Facility Administrator: view data, data entry, and data analysis
  - May be given administrative rights

Getting Started in the HPS Component

- **Enrolling in NHSN**
  - Facilities that are currently not participating in NHSN and wish to participate must enroll their facility in NHSN
    - Please visit http://www.cdc.gov/nhsn/enroll.html for more information regarding the enrollment process
  - During the enrollment process, facilities may choose to participate in any of the NHSN components

- **Activating the HPS Component**
  - Facilities that are already enrolled in NHSN and wish to participate in the HPS Component must activate the component within NHSN

Getting Started in the HPS Component



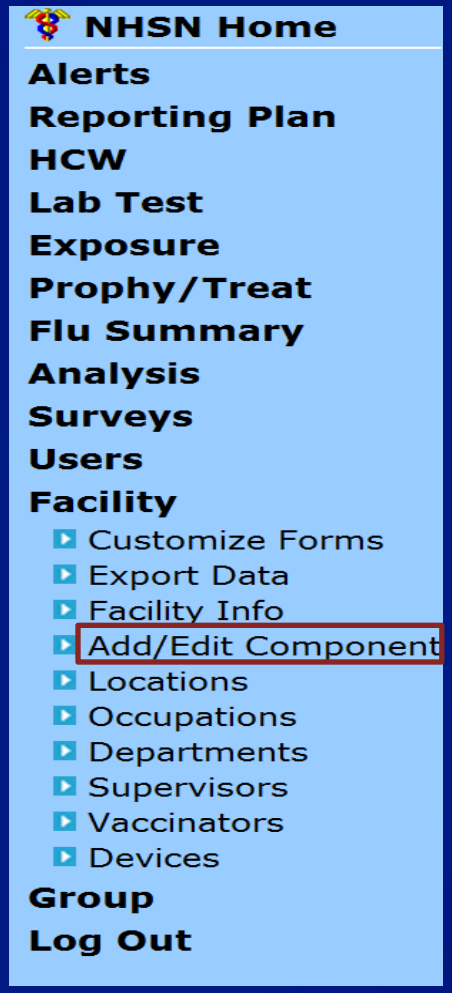
- **Are you unsure of your facility's status with NHSN?**
  - E-mail nhsn@cdc.gov

Activating HPS Component for Existing NHSN Facilities

- **Only the NHSN Facility Administrator can activate a new component**
- **NHSN Facility Administrator adds users**
  - Users with administrative rights will be able to add additional HPS Component users and share data using the Group function for the HPS Component

Activating the HPS Component

- **Facility Administrator logs into https://sdn.cdc.gov**
  - Under "My Applications" select NHSN Reporting
  - Log into any active component
- **From the Home Page, click "Facility" then "Add/Edit Component"**
  - Check box next to Healthcare Personnel Safety
- **Facility Administrator adds HPS Component Primary Contact**
  - Enter name, phone, e-mail, and address for person to be contacted if CDC/NHSN has updates or questions about the HPS Component

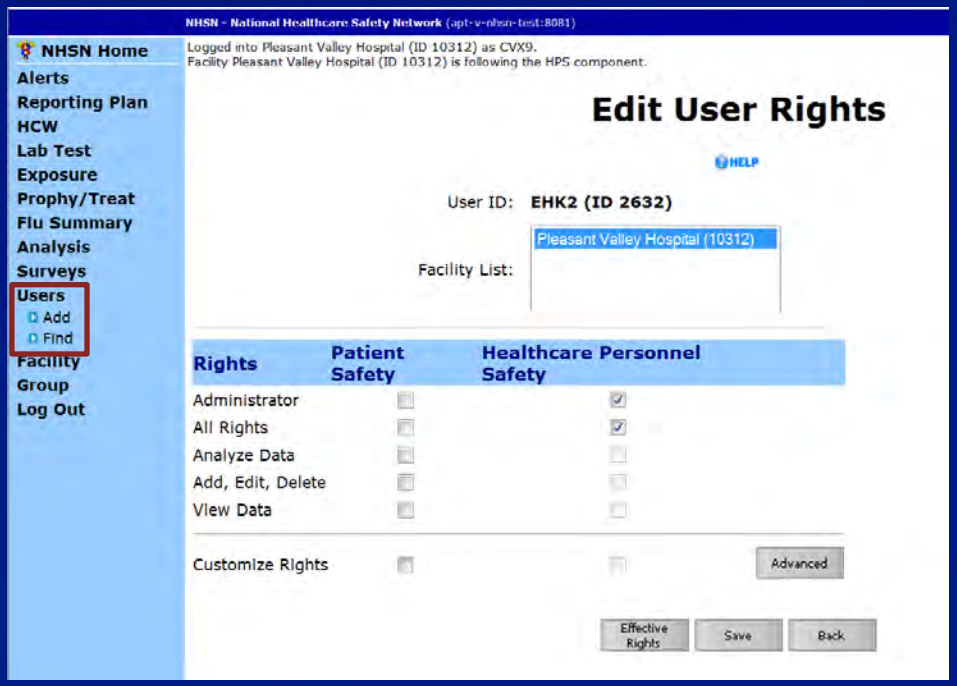


Activating the HPS Component

- **Facility Administrator adds HPS Component Primary Contact as a user within the NHSN facility**
  - Click “Users” on the navigation bar, then click “Add”
  - Complete “Add User” screen mandatory fields
    - User ID – created by the facility
    - First Name
    - Last Name
    - E-mail Address – Must be an active/correct address for the user
- **Other users are added by the Facility Administrator or new HPS Component Primary Contact**

User Rights

- Any user with administrative rights can add users
- After saving the new user information, the "Edit User Rights" screen will appear
- Please be sure to confer the proper rights to users



New Users to NHSN

- **After receiving a welcome e-mail to NHSN, follow the steps outlined here:**
  - http://www.cdc.gov/nhsn/PDFs/UserStartupGuideCurrent.pdf
- **Agree to NHSN rules of behavior**
- **Apply for and install digital certificate**
- **Log into NHSN facility**
  - https://sdn.cdc.gov

Reporting Requirements for the HCP Influenza Vaccination Summary

HCP Influenza Vaccination Summary Protocol

- **The protocol is a facility's guide to collecting and reporting Influenza Vaccination Summary data for the HCP Vaccination Module:**

  http://www.cdc.gov/nhsn/acute-care-hospital/hcp-vaccination/index.html#pro

- **It outlines reporting requirements and specifications**
  - Data collection forms
  - Denominator categories and notes
  - Numerator categories and notes
  - Data sources
  - Methodology
  - Calculations for data analyses in NHSN
  - Table of instructions
  - Key terms

Denominator Categories

- Employee HCP
- Non-Employee HCP: Licensed independent practitioners (physicians, advance practice nurses, and physician assistants)
- Non-Employee HCP: Adult students/trainees and volunteers
- HCP must be <u>physically</u> present in the facility for at least 1 working day between October 1 through March 31

National Healthcare Safety Network

Healthcare Personnel Influenza Vaccination Summary

Page 1 of 2
*required for saving

Record the number of healthcare personnel (HCP) for each category below for the influenza season being tracked.

*Facility ID#:

*Vaccination type: Influenza	*Influenza subtype[a]: ☐ Seasonal	*Influenza Season[b]:	Date Last Modified: __/__/____

	Employee HCP	Non-Employee HCP		
	*Employees (staff on facility payroll)	*Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants	*Adult students/ trainees & volunteers	Other Contract Personnel

Denominator Categories: Employee HCP

- **Employees (staff on facility payroll) [Required]**
  - Defined as all persons that receive a direct paycheck from the healthcare facility (i.e., on the facility's payroll), regardless of clinical responsibility or patient contact

Denominator Categories: Non-Employee HCP: Licensed Independent Practitioners

- **Licensed Independent Practitioners [Required]**
  - Defined as physicians (MD, DO); advanced practice nurses; and physician assistants only who are affiliated with the healthcare facility, but are not directly employed by it (i.e., they do not receive a paycheck from the facility), regardless of clinical responsibility or patient contact. Post-residency fellows are also included in this category.

Denominator Categories: Non-Employee HCP: Adult Students/Trainees and Volunteers

- **Adult students/trainees and volunteers [Required]**
  - Defined as adult students/trainees and volunteers: medical, nursing, or other health professional students, interns, medical residents, or volunteers aged 18 or older that are affiliated with the healthcare facility, but are not directly employed by it (i.e., they do not receive a paycheck from the facility), regardless of clinical responsibility or patient contact

Denominator Categories: Non-Employee HCP: Other Contract Personnel

- **Other contract personnel [Optional]**
  - Defined as persons providing care, treatment, or services at the facility through a contract
  - There are several types of personnel who provide direct care and non-direct services. Examples include:
    - Dialysis technicians
    - Occupational therapists
    - Admitting staff
    - Pharmacists
  - Refer to Appendix A of the HCP Influenza Vaccination Summary Protocol for suggested list of contract personnel

http://www.cdc.gov/nhsn/acute-care-hospital/hcp-vaccination/index.html#pro

Numerator Categories

- The numerator includes HCP who received an influenza vaccination during the time from when the vaccine became available (e.g., August or September) through March 31 of the following year
- Influenza vaccinations
  - Received at this healthcare facility or elsewhere
- Medical contraindications
- Declinations
- Unknown status

	Employee HCP	Non-Em
	*Employees (staff on facility payroll)	*Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants
1. Number of HCP who worked at this healthcare facility for at least 1 day between October 1 and March 31		
2. Number of HCP who received an influenza vaccination at this healthcare facility since influenza vaccine became available this season		
3. Number of HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season		
4. Number of HCP who have a medical contraindication to the influenza vaccine		
5. Number of HCP who declined to receive the influenza vaccine		
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)		

Numerator Categories

- **HCP who received an influenza vaccination at this healthcare facility since influenza vaccine became available this season**
- **HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season**
  - Acceptable forms of documentation include:
    - A signed statement or form, or an electronic form or e-mail from a healthcare worker (HCW) indicating when and where he/she received the influenza vaccine
    - A note, receipt, vaccination card, etc. from the outside vaccinating entity stating that the HCW received the influenza vaccine at that location
  - Verbal statements are not acceptable

Numerator Categories

- **HCP who have a medical contraindication to the influenza vaccine**
  - For this module, for inactivated influenza vaccine (IIV), accepted contraindications include:
    - (1) severe allergic reaction (e.g., anaphylaxis) after a previous vaccine dose or to a vaccine component, including egg protein; or
    - (2) history of Guillain-Barré Syndrome within 6 weeks after a previous influenza vaccination.
  - HCP who have a medical contraindication to live attenuated influenza vaccine (LAIV) other than the medical contraindications listed above, should be offered IIV by their facility, if available
  - Documentation is not required for reporting a medical contraindication (verbal statements are acceptable)

Numerator Categories

- **HCP who declined to receive the influenza vaccine**
  - Documentation is not required for reporting declinations (verbal statements are acceptable)

- **HCP with unknown vaccination status (or criteria not met for above-mentioned categories)**

Notes on Reporting Requirements

- Facilities are only required to report data once at the conclusion of reporting period (October 1 through March 31)
- HCP who are physically present in the healthcare facility for at least 1 working day between October 1 through March 31 are included in the denominator
- HCP in the denominator population who received an influenza vaccination during the time from when the vaccine became available (e.g., August or September) through March 31 of the following year are included in the numerator

Notes on Reporting Requirements

- The denominator categories are mutually exclusive. The numerator data are to be reported separately for each of the denominator categories.

- The numerator data are mutually exclusive. The sum of the numerator categories should be equal to the denominator for each HCP group.

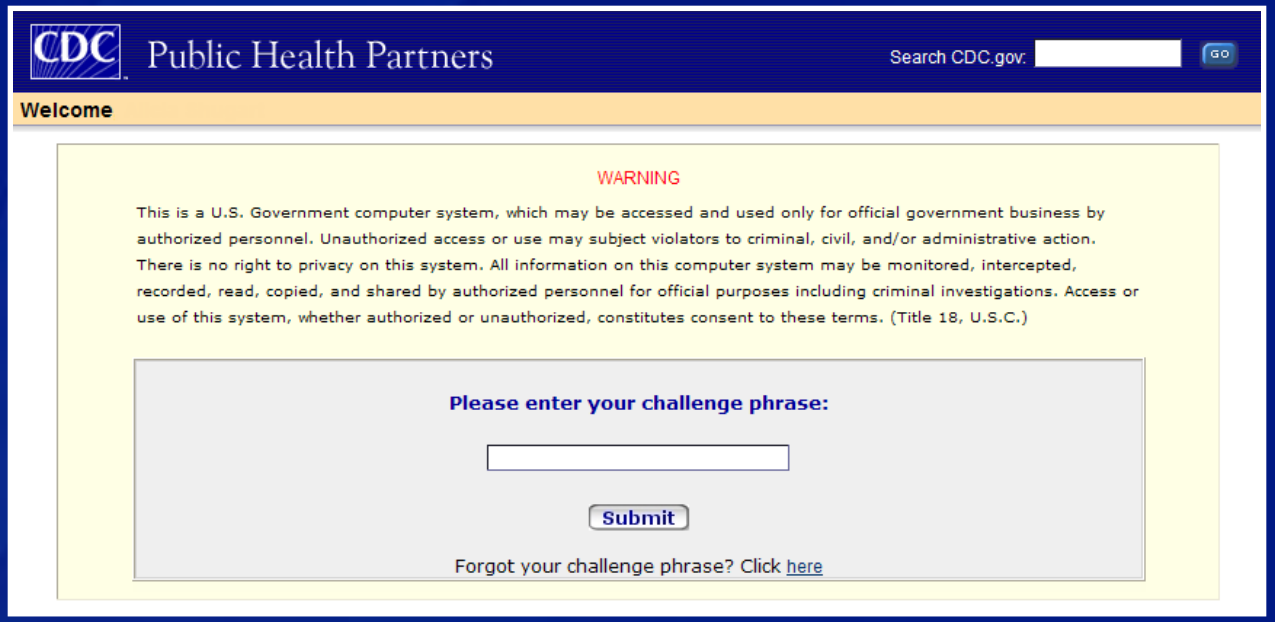
Entering Data for the HCP Influenza Vaccination Summary

Required and Optional Reporting Forms

- **After enrolling in NHSN and/or activating the HPS Component and adding users:**
  - Complete Required Forms
    - HCP Safety Monthly Reporting Plan
    - HCP Influenza Vaccination Summary Form
  - Complete Optional Form
    - Seasonal Survey on Influenza Vaccination Programs for HCP

Log into NHSN

- If digital certificate is correctly installed, you will immediately be able to access https://sdn.cdc.gov/
- Enter challenge phrase and click "Submit"



- If you cannot access SDN's Public Health Partners Website, contact SDN at 1-800-532-9929

Select NHSN Reporting

Go to https://sdn.cdc.gov

Enter Challenge Phrase – Click "Submit"

Under My Applications – Click "NHSN Reporting"

CDC Public Health Partners

Search CDC.gov:

Partners Home | My Preferences |

My Applications

National Healthcare Safety Network (NHSN)

- NHSN Reporting
- Request Additional Activities

Electronic Reference

Select a database and search term to locate journals.

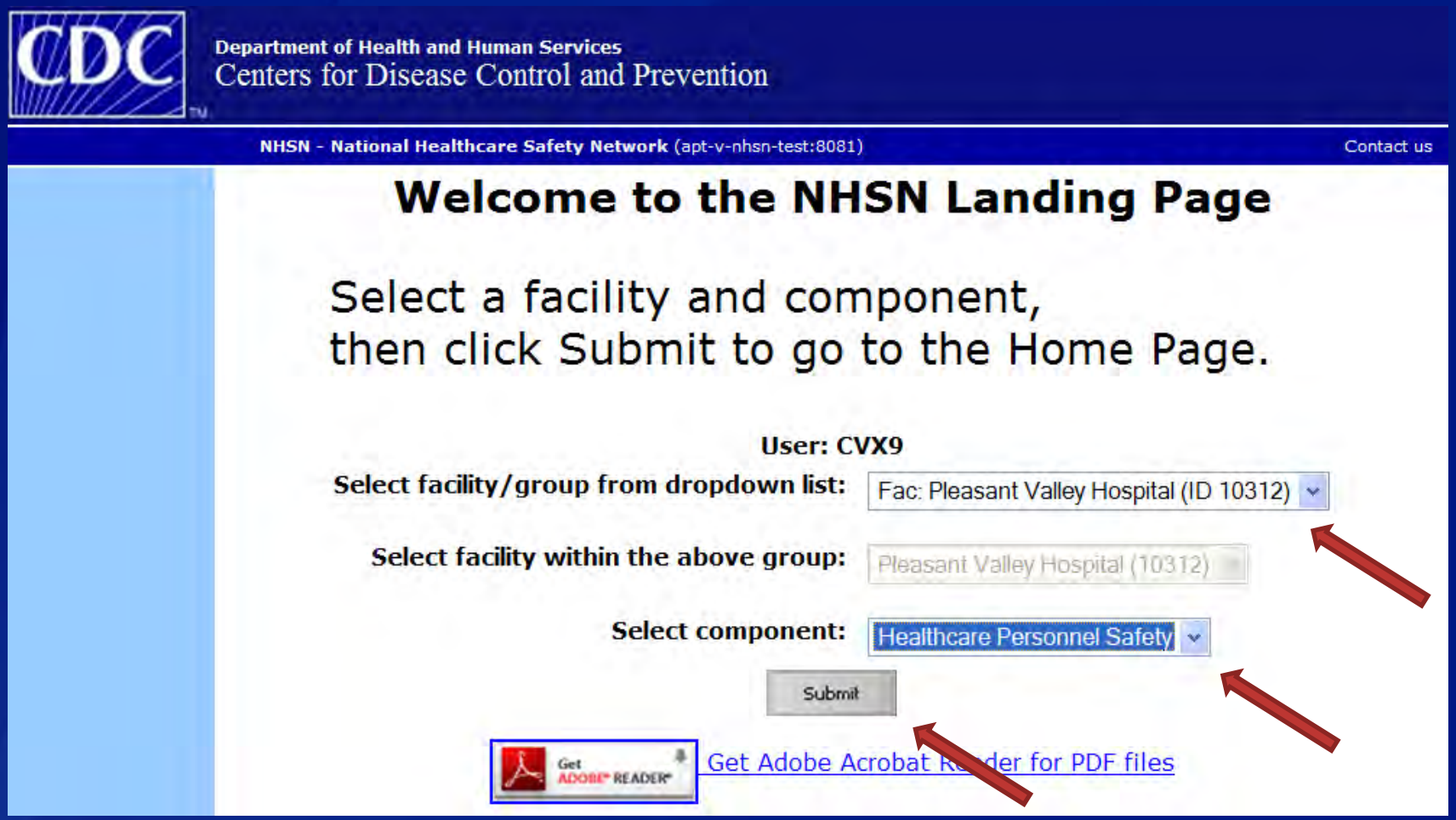
Preventing Chronic Disease Journal

ISSN: 1545-1151

Just Released -

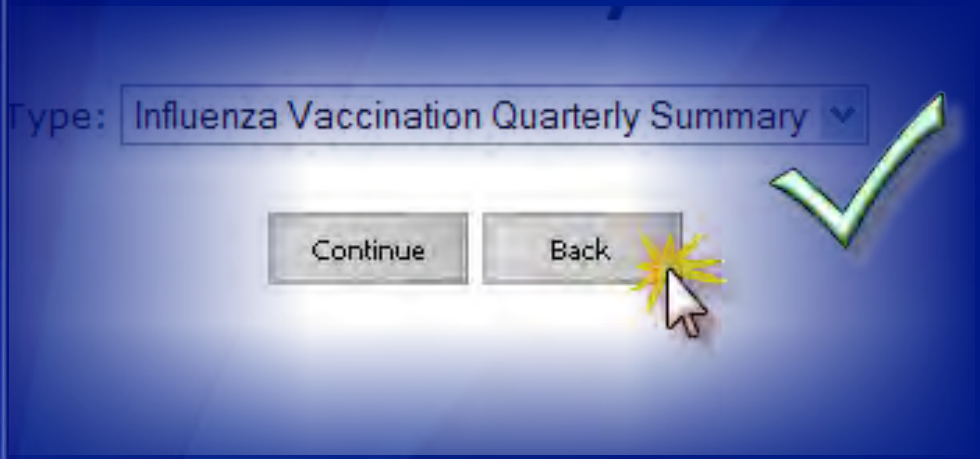
- Identifying Gaps in Asthma Education, Health Promotion, and Social Support for Miâ€™kmaq Fami Unamaâ€™ki (Cape Breton), Nova Scotia, Canada
- Using Population Data to Reduce Disparities in Colorectal Cancer Screening, Arkansas, 2006

NHSN Home Page

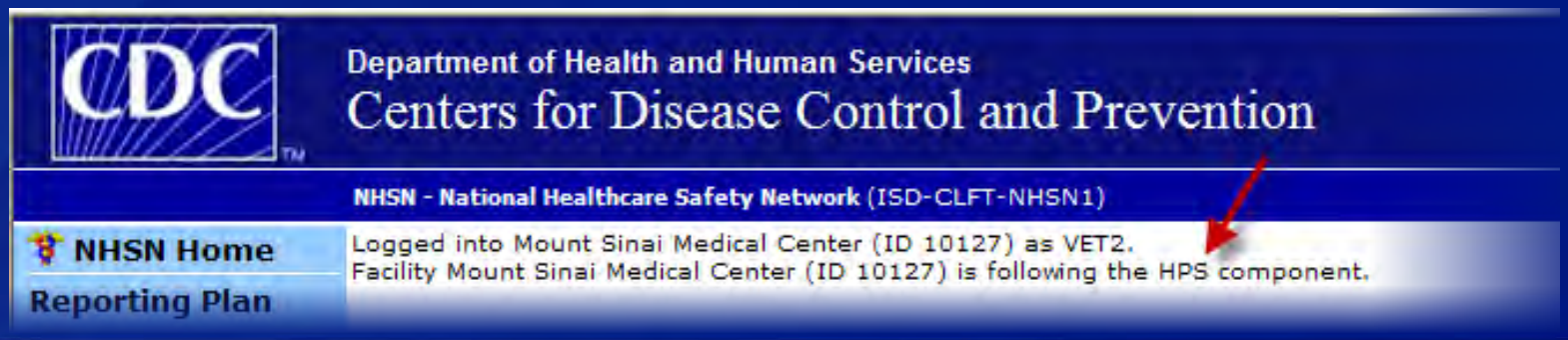


Navigating NHSN

- Use NHSN buttons to navigate (do not use Web browser buttons)



- View facility name, user, and component in use at the top of the screen

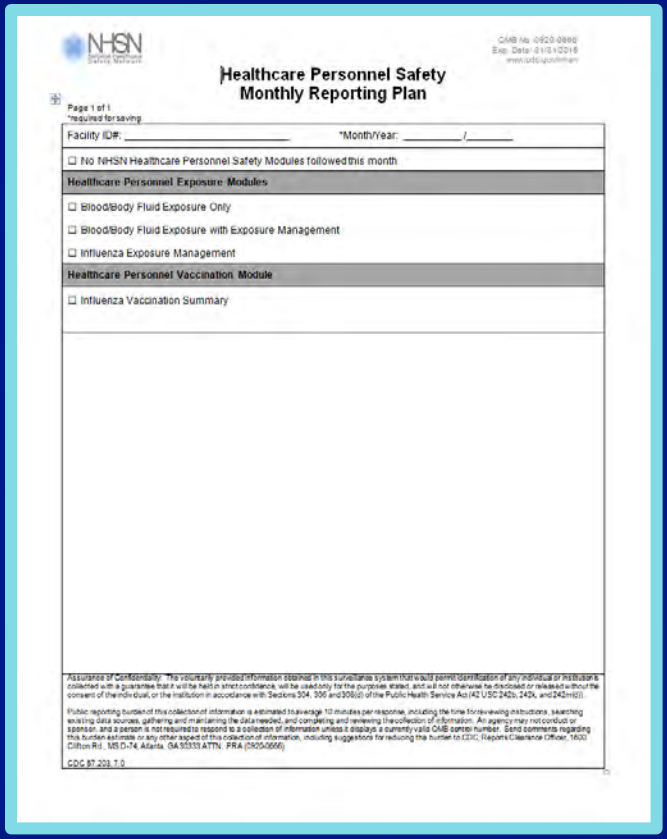


HPS Component Home Page

HCP Safety Monthly Reporting Plan Form

- **Collects data on which modules and months the facility plans to participate**

- **Users should select "Influenza Vaccination Summary"**
  - The plan is automatically updated with this information for the entire NHSN-defined influenza season (July 1 to June 30)
    - The user will not need to add any reporting plans after the initial plan has been added



NHSN

OMB No. 0920-0666
Exp. Date: 01/31/2016
www.cdc.gov/nhsn

Healthcare Personnel Safety Monthly Reporting Plan

Page 1 of 1
*required for saving

Facility ID#: _____ *Month/Year: _____/_____

☐ No NHSN Healthcare Personnel Safety Modules followed this month

Healthcare Personnel Exposure Modules

☐ Blood/Body Fluid Exposure Only

☐ Blood/Body Fluid Exposure with Exposure Management

☐ Influenza Exposure Management

Healthcare Personnel Vaccination Module

☐ Influenza Vaccination Summary

Assurance of Confidentiality: The voluntarily provided information obtained in this surveillance system that would permit identification of any individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the individual or the institution in accordance with Sections 304, 306 and 308(d) of the Public Health Service Act (42 USC 242b, 242k, and 242m(d)).

Public reporting burden of this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC, Reports Clearance Officer, 1600 Clifton Rd., MS D-74, Atlanta, GA 30333 ATTN: PRA (0920-0666)

CDC 57.208.7.0

Adding Monthly Reporting Plan in NHSN

- Click “Reporting Plan” then “Add”
- Select correct month and year from dropdown menus
- Check box next to “Influenza Vaccination Summary”

Monthly Reporting Plan

- Click “Save” when finished

NHSN Home
Alerts
Reporting Plan
- Add
- Find
- Incomplete

HCW
Lab Test
Exposure
Prophy/Treat
Flu Summary
Analysis
Surveys
Users
Facility
Group
Log Out

Logged into Pleasant Valley Hospital (ID 10312) as ISA8.
Facility Pleasant Valley Hospital (ID 10312) is following the HPS component.

Add Monthly Reporting Plan

Mandatory fields marked with *

Facility ID*: Pleasant Valley Hospital (ID 10312)
Month*: October
Year*: 2012

☐ No NHSN Healthcare Personnel Safety Modules Followed this Month

Healthcare Personnel Exposure Modules

☐ Blood/Body Fluid Exposure Only
☐ Blood/Body Fluid Exposure with Exposure Management

☐ Influenza Exposure Management

Healthcare Personnel Vaccination Module

☑ Influenza Vaccination Summary

Save Back

HCP Influenza Vaccination Summary Form

- **Collects summary influenza vaccination counts among HCP**
- **HCP influenza summary reporting in NHSN consists of a single data entry screen per influenza season**
- **Each time a user enters updated data for a particular influenza season:**
  - All previously entered data for that season will be overwritten
  - A new modified date will be auto-filled by the system

HCP Influenza Vaccination Summary Form

- **NHSN data entry screen mirrors the HCP Influenza Vaccination Summary Form**
  - Denominator (Question 1)
  - Numerator (Questions 2-6)

	*Employees (staff on facility payroll)	*Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants	*Adult students/ trainees & volunteers	Other Contract Personnel
1. Number of HCP who worked at this healthcare facility for at least 1 day between October 1 and March 31				
2. Number of HCP who received an influenza vaccination at this healthcare facility since influenza vaccine became available this season				
3. Number of HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season				
4. Number of HCP who have a medical contraindication to the influenza vaccine				
5. Number of HCP who declined to receive the influenza vaccine				
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)				

Table of Instructions

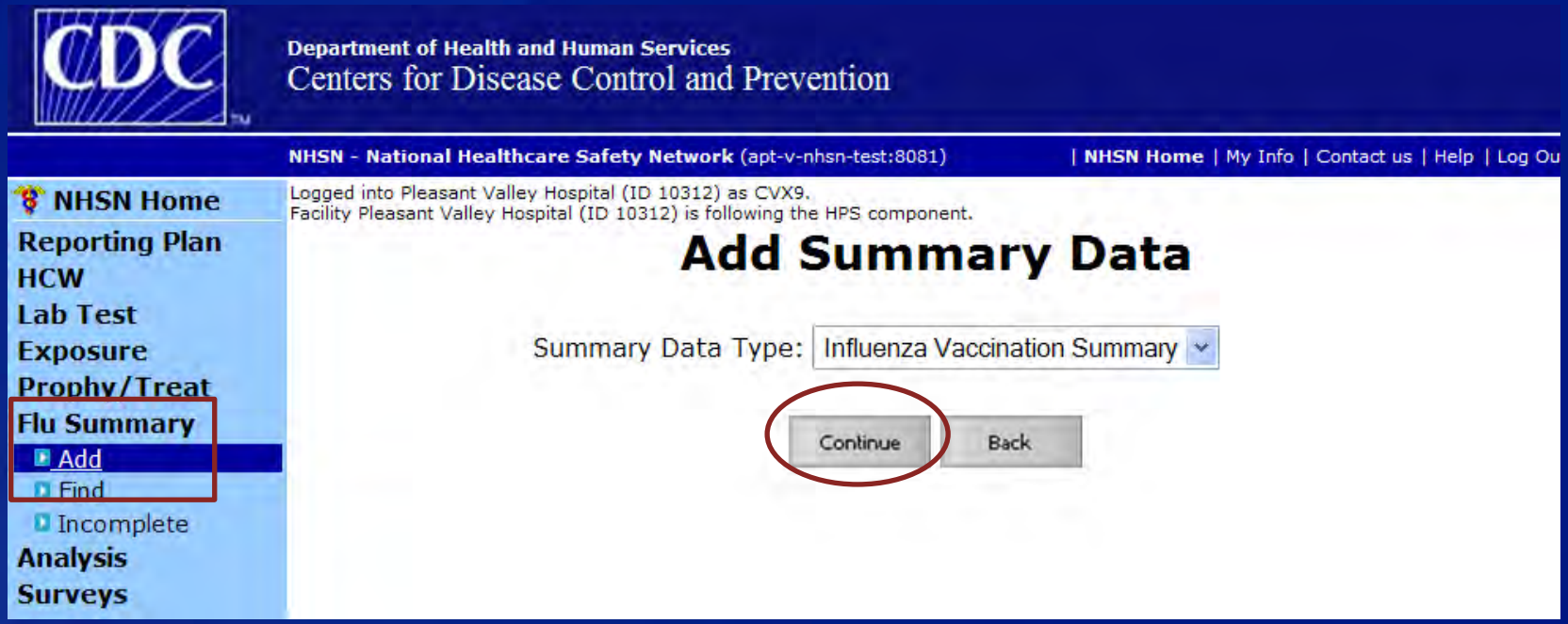
Data Fields	Instructions for Completion
Facility ID #	*Required.* The NHSN-assigned facility ID will be auto-entered.
Vaccination Type	*Required.* Influenza is the default and only current choice.
Influenza Subtype	*Required.* Seasonal is the default and only current choice.
Influenza Season	*Required.* Select the influenza season years for which data were collected (e.g., 2012/2013).
Date Last Modified	The Date Last Modified will be auto-entered and will indicate the date that these data were last changed by a user.
Employee HCP (staff on facility payroll)	*Required.* Defined as all persons that receive a direct paycheck from the healthcare facility (i.e., on the facility's payroll), regardless of clinical responsibility or patient contact.
Non-Employee HCP: Licensed independent	*Required.* Defined as physicians (MD, DO); advanced practice nurses; and physician

- **The Table of Instructions outlines the instructions and definitions for each data field in the NHSN module**

- **The Instructions for the HCP Influenza Vaccination Summary Form is located in the HCP Influenza Vaccination Summary Protocol:** http://www.cdc.gov/nhsn/acute-care-hospital/hcp-vaccination/index.html#pro

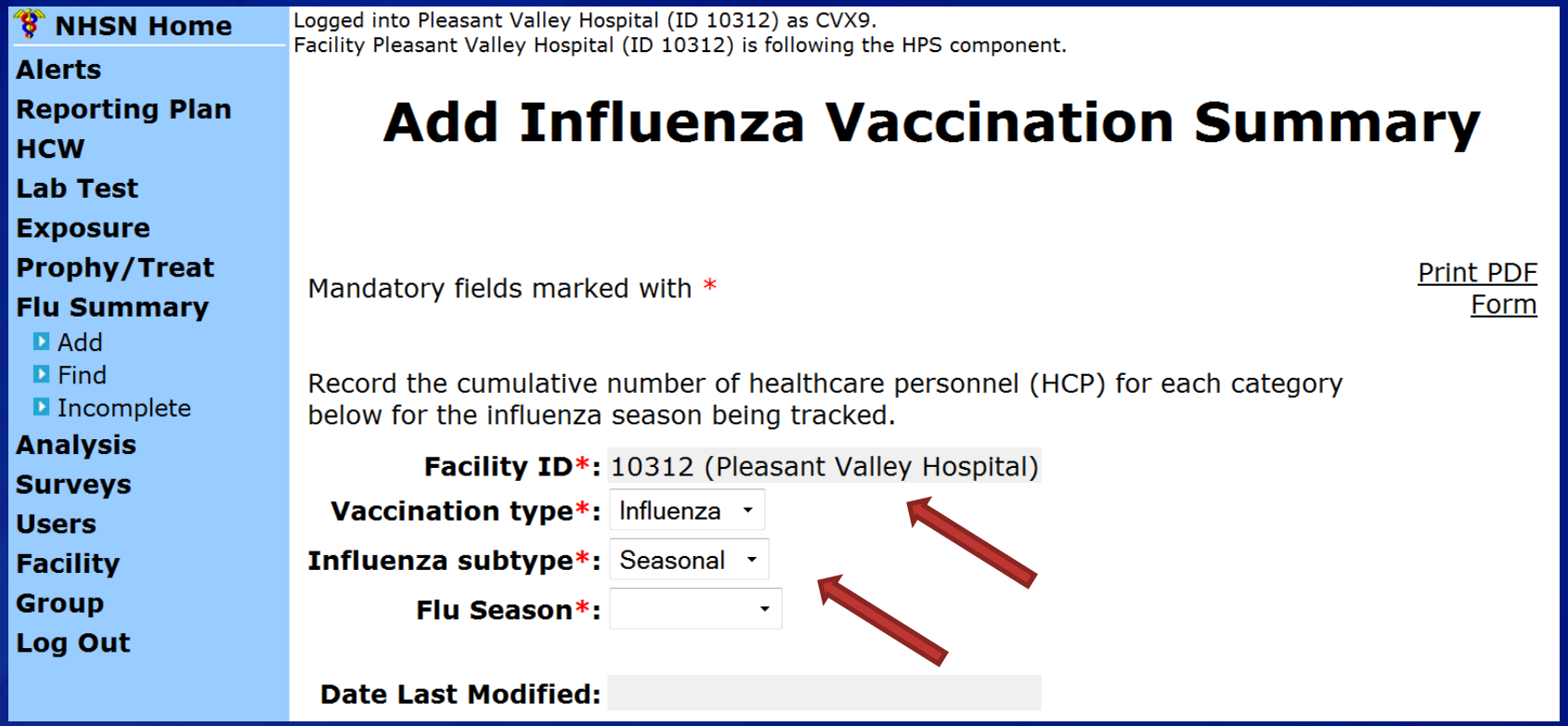
HCP Influenza Vaccination Summary Data

- Click “Flu Summary” then “Add”
- “Influenza Vaccination Summary Data” appears as the only option
- Click “Continue”



Adding HCP Influenza Vaccination Summary Data

- "Influenza" and "Seasonal" are the default choices for vaccination type and influenza subtype
- Select appropriate flu season in drop-down box (e.g., 2012-2013)



HCP Influenza Vaccination Summary Data Entry Screen

HCP categories	Employee HCP	Non-Employee HCP		
	Employees (staff on facility payroll)*	Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants*	Adult students/ trainees & volunteers*	Other Contract Personnel
1. Number of HCP who worked at this healthcare facility for at least 1 day between October 1 and March 31				
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season				
3. Number of HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season				
4. Number of HCP who have a medical contraindication to the influenza vaccine				
5. Number of HCP who declined to receive the influenza vaccine				
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)				

Custom Fields HELP

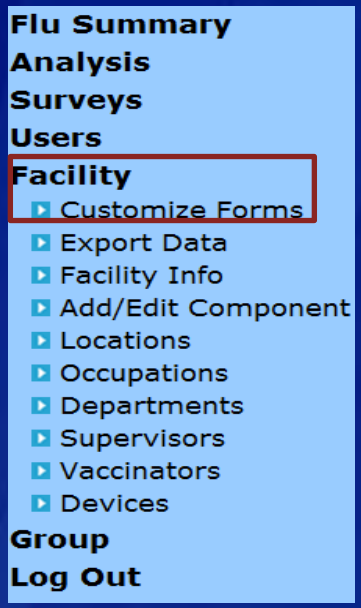
TEST FIELD:

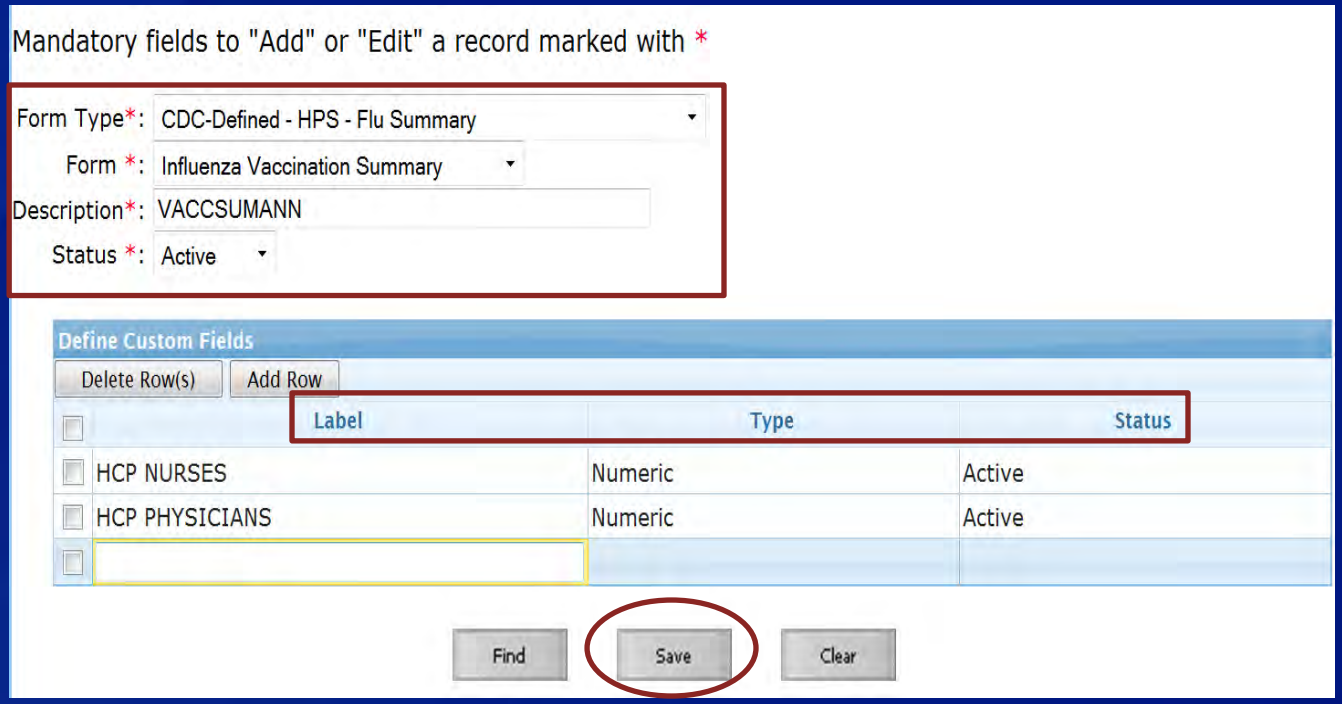
Comments

- The asterisks indicate required columns that must be completed
- Use the "Custom Fields" function for data that a facility would like to collect and analyze consistently
- Use the "Comments" box to enter any additional information, such as side notes

HCP Influenza Vaccination Summary Data Entry Screen: Custom Fields

- Click “Facility” then “Customize Forms”
- Complete all mandatory fields
- Enter label and select type and status
- Click “Save” when finished





HCP Influenza Vaccination Summary Data Entry Screen: Custom Fields

Custom Options

The custom option 'VACCSUMANN' has been successfully updated.

3. Number of HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season	25	50	50	25
4. Number of HCP who have a medical contraindication to the influenza vaccine	0	50	50	25
5. Number of HCP who declined to receive the influenza vaccine	25	0	100	0
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)	0	0	0	0

Custom Fields HELP

HCP NURSES: HCP PHYSICIANS :

Comments

Edit Delete Back

- A message will appear at the top of the screen indicating that the Custom Fields have been updated
- The Custom Fields will now appear on the data entry screen

Editing HCP Influenza Vaccination Summary Data

View Influenza Vaccination Summary

A record for the selected summary data element already exists.

Mandatory fields marked with *

Print PDF Form

Record the cumulative number of healthcare personnel (HCP) for each category below for the influenza season being tracked.

Facility ID*: 10238 (Boston Vet Center)
Vaccination type*: Influenza
Influenza subtype*: Seasonal
Flu Season*: 2013/2014

Date Last Modified: 07/03/2013

HCP categories	Employee HCP	Non-Employee HCP		
	Employees (staff on facility payroll)*	Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants*	Adult students/ trainees & volunteers*	Other Contract Personnel
1. Number of HCP who worked at this healthcare facility for at least 1 day between October 1 and March 31	50	10	25	5
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season	35	5	20	2

- For each update of the data after the initial entry, a message will indicate that a record of the summary data already exists
- The "Date Last Modified" shows when the data were last entered
- Click on "Print PDF Form" to print data entered into module

Editing HCP Influenza Vaccination Summary Data

- Click “Edit” to modify existing data

HCP categories	Employee HCP	Non-Employee HCP		
	Employees (staff on facility payroll)*	Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants*	Adult students/ trainees & volunteers*	Other Contract Personnel
1. Number of HCP who worked at this healthcare facility for at least 1 day between October 1 and March 31	50	10	25	5
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season	35	5	20	2
3. Number of HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season	10	0	5	3
4. Number of HCP who have a medical contraindication to the influenza vaccine	5	0	0	0
5. Number of HCP who declined to receive the influenza vaccine	0	5	0	0
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)	0	0	0	0

Custom Fields HELP

TEST FIELD:

Comments

Edit Delete Back

Saving HCP Influenza Vaccination Summary Data

- Click “Save” to save the updated data

HCP categories	Employees (staff on facility payroll)*	Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants*	Adult students/ trainees & volunteers*	Other Contract Personnel
1. Number of HCP who worked at this healthcare facility for at least 1 day between October 1 and March 31	50	15	25	5
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season	25	10	15	2
3. Number of HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season	20	0	10	3
4. Number of HCP who have a medical contraindication to the influenza vaccine	5	0	0	0
5. Number of HCP who declined to receive the influenza vaccine	0	5	0	0
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)	0	0	0	0

Custom Fields HELP

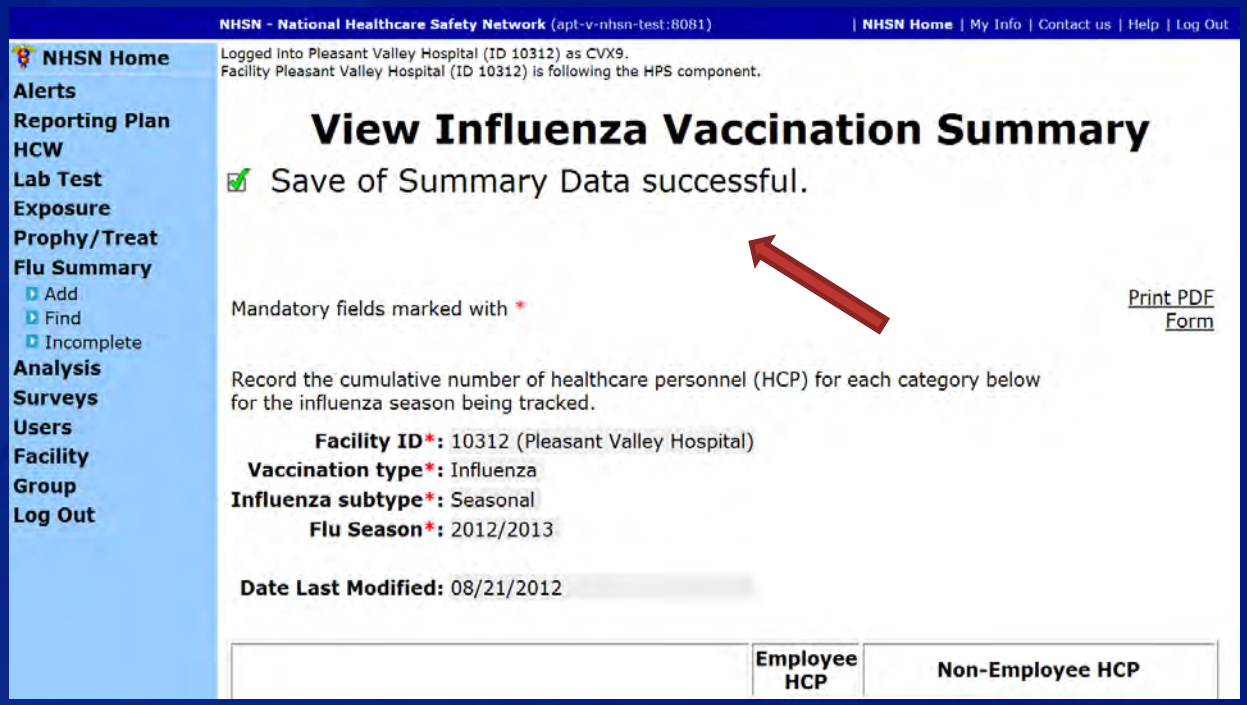
TEST FIELD:

Comments

Save Back

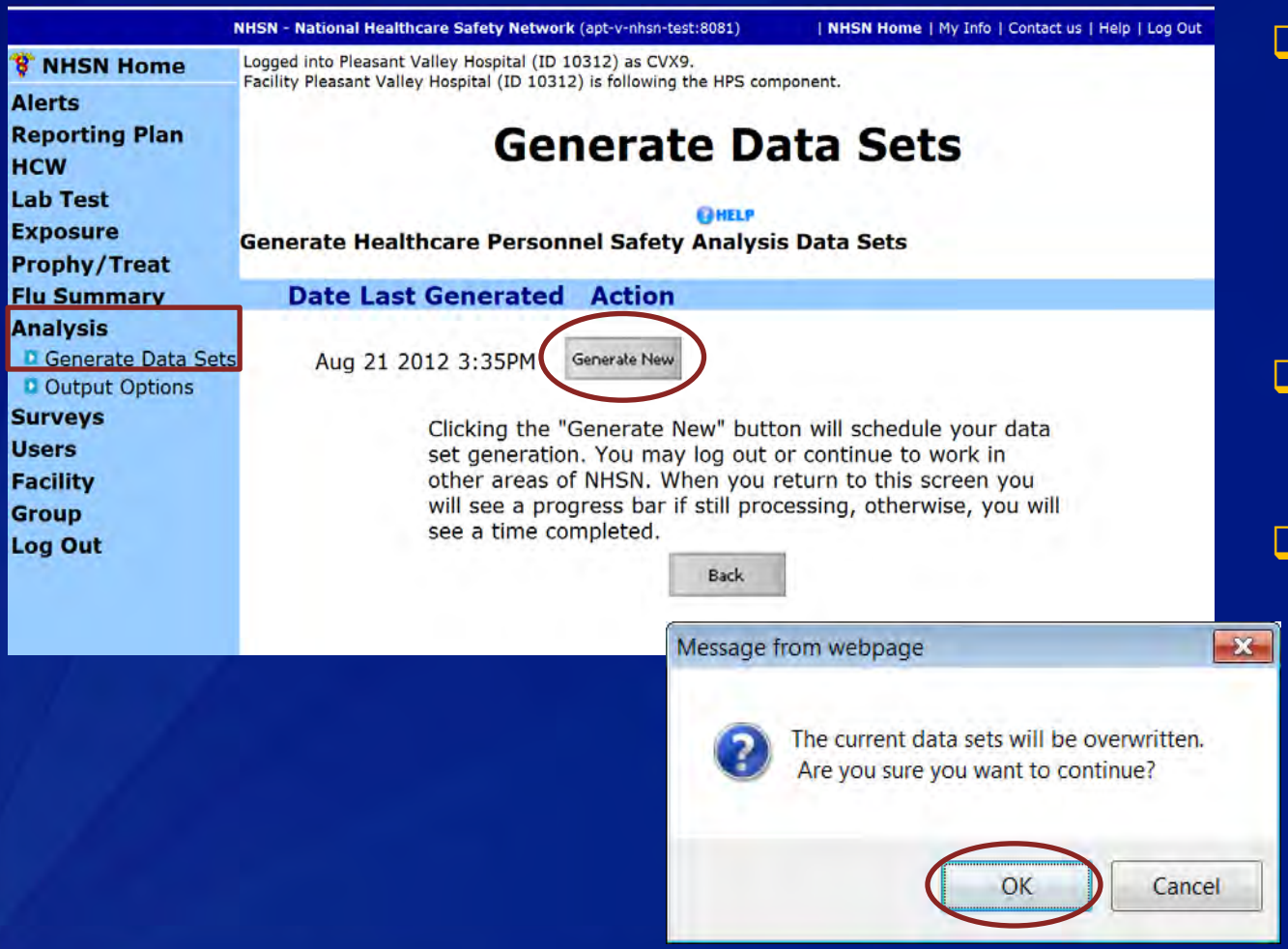
Saving HCP Influenza Vaccination Summary Data

- A message confirming that data were saved should appear at the top of the screen



Data Analysis Features for HCP Influenza Vaccination Summary

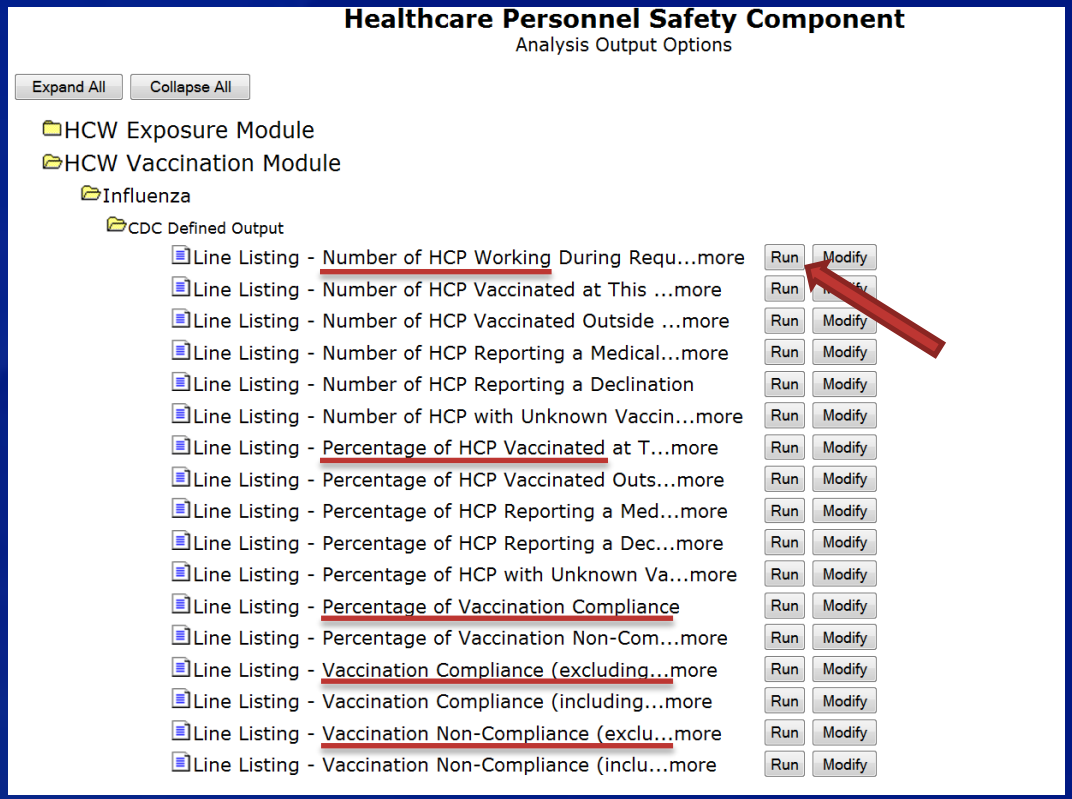
Generating HCP Influenza Vaccination Summary Data



- Go to "Analysis" and select "Generate Data Sets"
- Click "Generate New"
- Select "OK" when webpage message appears on the screen

HCP Influenza Vaccination Summary Data Analysis: Output Options

- Go to “Analysis” and “Output Options”
- Click on the “HCW Vaccination Module,” “Influenza,“ and “CDC Defined Output”
- Click on “Run” to view the default output



HCP Influenza Vaccination Summary Data Analysis: Summary Counts

orgID	summarySeason	summaryType	fluVaccSubtype	vaccType	empWorking	lipWorking	studVolWorking	conWorking	totWorkingNoCon	totWorkingWCon
10312	2011/2012	VACCSUMANN	SEASONAL	FLU	400	10	10	7	420	427
10312	2012/2013	VACCSUMANN	SEASONAL	FLU	25	50	50	20	125	145

- **Totals are presented for each variable and for each season**
- **The user can view the total number of employees, LIPs, adult students/trainees and volunteers, and other contract personnel working during the required time period**
  - This example shows that 400 employees worked during the required time period during the 2011/2012 influenza season
  - 25 employees worked during the required time period during the 2012/2013 influenza season
- **Two overall totals are presented**
  - One number includes the total number of HCP working without other contract personnel (e.g., 420 HCP for the 2011-2012 influenza season)
  - One number includes the total number of HCP working with other contract personnel (e.g., 427 HCP for the 2011-2012 influenza season)

HCP Influenza Vaccination Summary Data Analysis: Percentages

pctEmpVaccHere	pctLIPVaccHere	pctStudVolVaccHere	pctConVaccHere
50%	20%	0.0%	43%
40%	20%	30%	15%

- **Percentages are presented for each variable**
- **The highlighted example indicates:**
  - 50% of employees were vaccinated at this facility in 2011/2012
  - 40% of employees were vaccinated at this facility in 2012/2013
- **The percentages in the highlighted example are created by:**
  - Dividing the number of employees vaccinated onsite by the number of employees working during the required time period
  - Multiplying by 100 to obtain a percentage

HCP Influenza Vaccination Summary Data Analysis: Vaccination Compliance

Vaccination Compliance (excluding other contract personnel)

orgID	summarySeason	totVaccHereEWNoCon	totWorkingNoCon	pctVaccHereEWNoCon
10312	2011/2012	304	420	72%
10312	2012/2013	105	200	53%

- **The highlighted example for vaccination compliance indicates:**
  - 72% of HCP (excluding other contract personnel) were vaccinated in 2011/2012
  - 53% of HCP (excluding other contract personnel) were vaccinated in 2012/2013

- **The percentages for vaccination compliance are created by:**
  - Adding the total number of HCP who were vaccinated onsite to the total number of HCP who were vaccinated elsewhere (excluding other contract personnel)
  - Dividing the total number of HCP vaccinated (both onsite and elsewhere) by the total number of HCP working during the required time period (excluding other contract personnel)
  - Multiplying by 100 to obtain a percentage

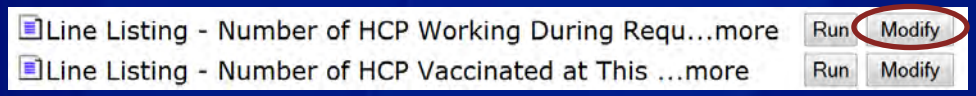
HCP Influenza Vaccination Summary Data Analysis: Vaccination Non-Compliance

Vaccination Non-Compliance (excluding other contract personnel)

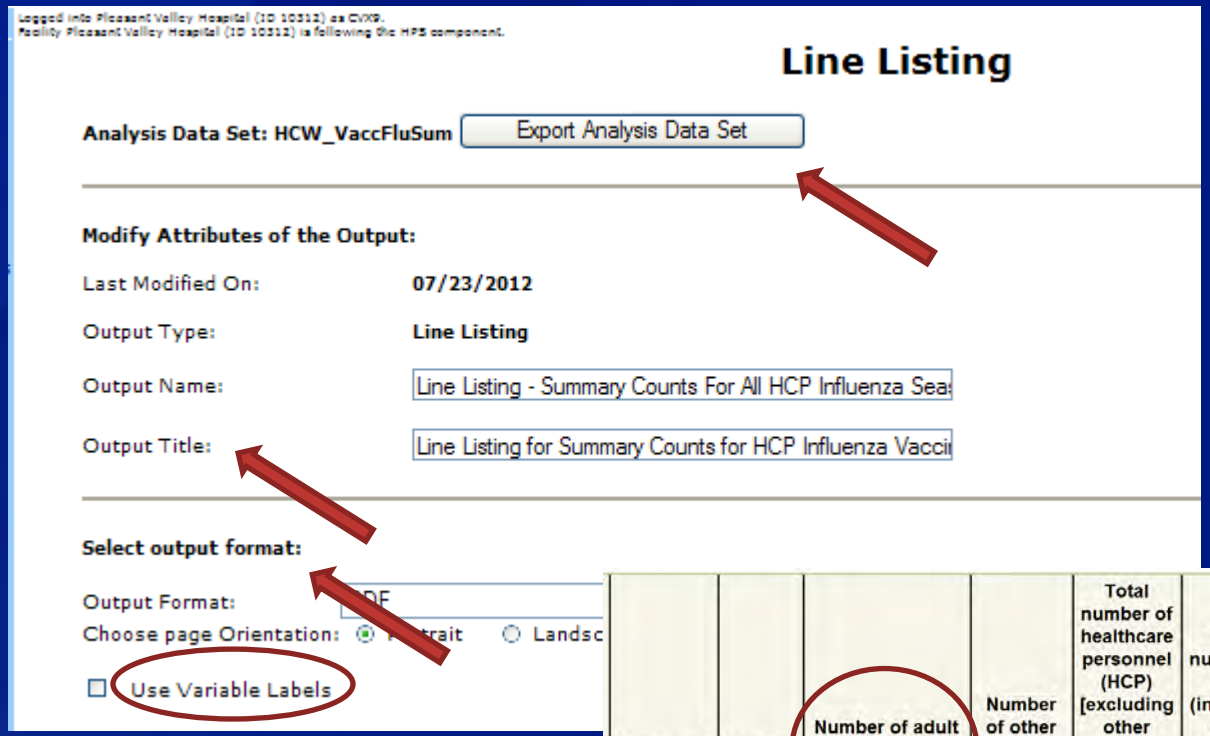
orgID	summarySeason	totDecUnkNoCon	totWorkingNoCon	pctDecUnkNoCon
10312	2011/2012	113	420	27%
10312	2012/2013	70	200	35%

- **The highlighted example for vaccination non-compliance indicates:**
  - 27% of HCP (excluding other contract personnel) were not vaccinated in 2011/2012
  - 35% of HCP (excluding other contract personnel) were not vaccinated in 2012/2013
- **The percentages for vaccination non-compliance are created by:**
  - Adding the total number of HCP who declined vaccination to the total number of HCP with unknown vaccination status (excluding other contract personnel)
  - Dividing this number by the total number of HCP working during the required time period (excluding other contract personnel)
  - Multiplying by 100 to obtain a percentage

Modifying HCP Influenza Vaccination Summary Data



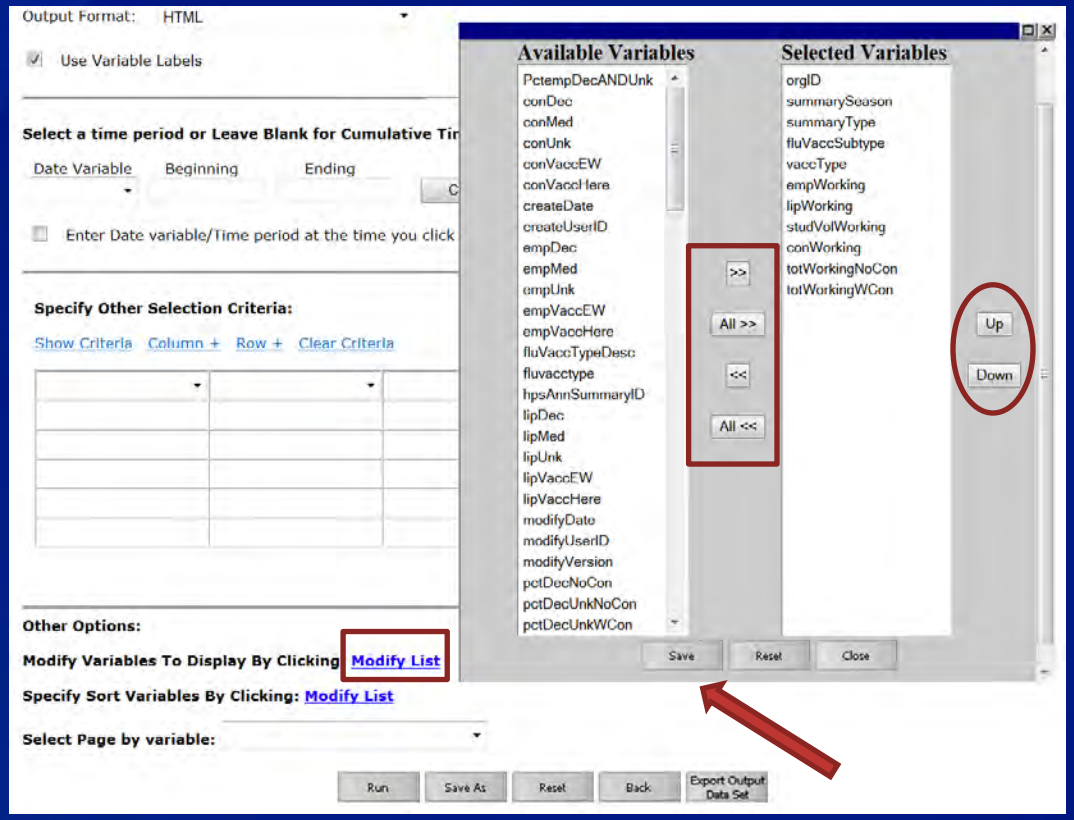
- To modify the default analysis output, users can click "Modify" next to the report they wish to modify
- Can export dataset and change output title and format
- Can use variable labels when viewing output



Number of employees working	Number of LIPs working	Number of adult students/trainees and volunteers working	Number of other contract personnel working	Total number of healthcare personnel (HCP) [excluding other contract personnel] working	Total number of HCP (including other contract personnel) working
400	100	0	0	500	500
25	30	35	40	90	130

Modifying HCP Influenza Vaccination Summary Data

- Can add/remove variables from output by clicking "Modify List" (e.g., can remove variables for other contract personnel)
- Use arrows to move variables
- Use "Up" and "Down" to change the display order of the variables
- Click "Save" when finished



The NHSN Website

Surveillance for Healthcare Personnel Vaccination

The Advisory Committee on Immunization Practices (ACIP) recommends that all healthcare personnel (HCP) and persons in training for healthcare professions should be vaccinated annually against influenza.[1] Persons who are infected with influenza virus, including those with subclinical infection, can transmit influenza virus to persons at higher risk for complications from influenza. Vaccination of HCP has been associated with reduced work absenteeism and with fewer deaths among nursing home patients and elderly hospitalized patients. Although annual vaccination is recommended for all HCP and is a high priority for reducing morbidity associated with influenza in healthcare settings, national survey data have demonstrated that vaccination coverage levels are only approximately 60% [2]. This is well below the Healthy People 2020 goal of 90% for HCP influenza vaccination [3].

On this Page

- Training
- Protocols
- Data Collection Forms
- CMS Supporting Materials
- Supporting Material
- FAQs

Visit: http://www.cdc.gov/nhsn/acute-care-hospital/hcp-vaccination/index.html
for training materials:

- ❑ **Protocol (with Tables of Instructions)**
- ❑ **Forms**
- ❑ **Frequently asked questions (FAQs)**
- ❑ **Training slides and recorded trainings**

Questions or Need Help?

E-mail user support at: nhsn@cdc.gov

Please include "HPS Flu Summary" in the subject line of the e-mail