



Reporting Healthcare Personnel Influenza Vaccination Data for Long-term Care Facilities

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Objectives

- Discuss the value of healthcare personnel (HCP) influenza vaccination summary reporting in long-term care facilities
- Review how facilities can use the Healthcare Personnel Vaccination Module to track data

BREAKING NEWS

This Flu Season Is the Worst in Nearly a Decade

The CDC says this year's flu may reach 'epidemic' proportions

Flu Season was One of the Deadliest for US Children

Flu Season Is Shaping Up To Be A Nasty One, CDC Says

"Very intense" flu season on track to break records CDC says

Overview of HCP Working in Long-term Care Facilities

HCP in Long-term Care Facilities

- Over 2 million HCP are working in long-term care facilities (as of 2010)^a
- HCP (e.g., nursing assistants and personal care aides) provide 70-80% of direct care to vulnerable populations^b
- The number of HCP in long-term care settings is expected to increase between 5.7-6.6 million by 2050^b

a. https://www.ahcancal.org/research_data/staffing/Documents/WorkforceAtAGlance.pdf

b. https://www.cdc.gov/nchs/data/series/sr_03/sr03_038.pdf

HCP Influenza Vaccination in Long-term Care Facilities

- **There are several benefits to vaccinating HCP:**
 - Helps to prevent the spread of influenza among long-term care facility residents and other HCP
 - May reduce illness and absenteeism among HCP
 - Could reduce illness and hospitalization related to influenza

Challenges to Vaccination of HCP

- **There are some barriers to HCP influenza vaccination:**
 - Access to influenza vaccination
 - Beliefs about influenza vaccination
 - Low enthusiasm for influenza vaccination
 - Staff turnover

Strategies to Improve Vaccination of HCP

- **The following can be used to promote HCP influenza vaccination:**
 - Offering education on influenza vaccination
 - Providing free vaccine to HCP at the LTC facility
 - Giving the influenza vaccine at various times throughout the workday
 - Offering influenza vaccine at different times and locations throughout the influenza season
 - Emphasizing infection prevention by organizing events such as a 'vaccine day' or contests to become vaccinated

Overview of the HCP Vaccination Module

Healthcare Personnel Safety (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

Why should you use the HCP Vaccination Module?

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

Reporting Requirements for the HCP Vaccination Module

Denominator Categories

- **Three categories of HCP**
 - Employees, licensed independent practitioners, and adult students/trainees and volunteers
 - Regardless of clinical responsibility or patient contact
- **Employees [Required]**
 - Staff on facility payroll receiving a direct paycheck from the healthcare facility
- **Licensed independent practitioners (LIPS) [Required]**
 - Physicians (MD, DO)
 - Advanced practice nurses
 - Physician assistants
 - Affiliated with the healthcare facility, but are not directly employed by it (i.e., they do not receive a paycheck from the facility)
 - Post-residency fellows are also included in this category

Denominator Categories (cont.)

- **Adult students/trainees and volunteers (aged 18 and over) [Required]**
 - Medical, nursing, or other health professional students
 - Interns
 - Medical residents
 - Volunteers
 - Affiliated with the healthcare facility, but are not directly employed by it (i.e., they do not receive a paycheck from the facility)
- **Other contract personnel [Optional]**
 - Persons providing care, treatment, or services at the facility through a contract

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 (cont.)

- **HCP who have a medical contraindication to the influenza vaccine**
 - For this module, accepted contraindications include:
 - (1) severe allergic reaction (e.g., anaphylaxis) after a previous vaccine dose or to a vaccine component, including egg protein; and
 - (2) history of Guillain-Barré Syndrome (GBS) within 6 weeks after a previous influenza vaccination.
 - Documentation is not required for reporting a medical contraindication

Numerator Categories (cont.)

- **HCP who declined to receive the influenza vaccine**
 - Documentation is not required for reporting declinations
- **HCP with unknown vaccination status (or criteria not met for above-mentioned categories)**

Additional Reporting Requirements

- The reporting period is from October 1 to March 31 of the following year; it refers to the denominator only
- The denominator for this measure consists of HCP who are physically present in the healthcare facility for at least 1 day or more between October 1 through March 31


Data Reporting Forms for the HCP Vaccination Module

Required and Optional Reporting Forms

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

HCP Safety Monthly Reporting Plan Form

- The form and months the facility collects data on which modules plans to participate
- Users select “Influenza Vaccination Summary”
 - The plan is automatically updated with this information for the entire NHSN-defined influenza season (July 1–June 30)
 - The user will not need to add any reporting plans after the initial monthly plan has been added for that influenza season

	Healthcare Personnel Safety Monthly Reporting Plan
Page 1 of 1 *required for saving	
Facility ID#: _____	*Month/Year: _____
<input type="checkbox"/> No NHSN Healthcare Personnel Safety Modules followed this month	
Healthcare Personnel Exposure Modules	
<input type="checkbox"/> Blood/Body Fluid Exposure Only	
<input type="checkbox"/> Blood/Body Fluid Exposure with Exposure Management	
<input type="checkbox"/> Influenza Exposure Management	
Healthcare Personnel Vaccination Module	
<input type="checkbox"/> Influenza Vaccination Summary	

Monthly Plan View in NHSN

- Click “Reporting Plan,” then “Add”
- Select appropriate month and year from drop-down menus (e.g., January 2018)
- Check appropriate box next to “Influenza Vaccination Summary”
- Click “Save”

NHSN Home

- Alerts
- Reporting Plan ▶
- HCW ▶
- Lab Test ▶
- Exposure ▶
- Prophy/Treat ▶
- Flu Summary ▶
- Surveys ▶
- Analysis ▶
- Users ▶
- Facility ▶
- Group ▶

Add Monthly Reporting Plan

Mandatory fields marked with *

*Facility ID: JosephPsychiatricFacility (ID 13750)

*Month: January ▼

*Year: 2018
2017
2016

HSN 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**

Data Entry Screen in NHSN

- “Influenza” and “Seasonal” are the default choices for vaccination type and influenza subtype
- Select appropriate flu season in drop-down box (e.g., 2017/2018)

NHSN Home

Alerts

Reporting Plan ▶

HCW ▶

Lab Test ▶

Exposure ▶

Prophy/Treat ▶

Flu Summary ▶

Add Influenza Vaccination Summary

Mandatory fields marked with *

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

Facility ID *: Facility Name (ID Number)

Vaccination type *: Influenza ▼

Influenza subtype *: Seasonal ▼

Flu Season *: 2017/2018 ▼

Data Entry Screen in NHSN (cont.)

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	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4. Number of HCP who have a medical contraindication to the influenza vaccine	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. Number of HCP who declined to receive the influenza vaccine	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Custom Fields HELP TEST FIELD: <input type="text"/>				
Comments <input type="text"/>				

- 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
- Click “Save” to save the record

Putting Data to Use

Using HCP Vaccination Module Data

- **Facilities can use the data to obtain a better picture of influenza vaccination at their facility**
 - Monitor vaccination trends over time
 - Example: Review how vaccination coverage rates vary each year for employees and non-employees
 - Identify HCP groups with lower vaccination rates
 - Example: A facility may find that vaccination rates are lower among LIPs versus employees
 - Pinpoint barriers to influenza vaccination
 - Example: A facility may discover that volunteers have a lower influenza vaccination rate, since many are not in the workforce and are not mandated to receive vaccination

Using HCP Vaccination Module Data (cont.)

- **Facilities can use the data from the HCP Vaccination Module to inform decision-making**
 - Improve tracking systems
 - Example: Facilities may decide to implement automated tracking systems
 - Refine facility strategy and outreach to unvaccinated groups
 - Example: Increasing the number of vaccination days at facilities

Resource: Toolkit for Long-term Care Employers

- Visit: <https://www.cdc.gov/flu/toolkit/long-term-care/index.htm>

A Toolkit for Long-Term Care Employers

Increasing Influenza Vaccination among Health Care Personnel in Long-term Care Settings



[Back to Information for Health Professionals](#)



Resource: 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 70% [2]. This is well below the Healthy People 2020 goal of 90% for HCP influenza vaccination [3].

Visit: <https://www.cdc.gov/nhsn/ltc/vaccination/index.html>
for training materials:

- Protocol
- Forms
- Frequently asked questions
- Training slides

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

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

