



Reporting Influenza Vaccination Summary Data for Healthcare Personnel

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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

The flu has sickened about 7 million in the U.S. so far, CDC estimates

CDC warns 'second wave' of the flu is here

Flu Cases Spike Again

US Flu Activity Falls Below Baseline After Longest Flu Season in a Decade

**Why is HCP Influenza Vaccination in Long-Term
Care Settings Important?**

HCP in Long-Term Care Facilities

- **Circa 2009, 4.7 million HCP worked in long-term care and ~3 million of these were direct care workers**
 - Almost 30% of the total healthcare workforce
- **The number of direct care HCP in long-term care workforce is expected nearly to double by 2050**
 - Projected increase to 5.7-6.6 million

Influenza in Long-Term Care Facilities

- **Influenza can circulate quickly in residential facilities^a**
 - Many in long-term care at increased risk of complications from influenza infection due to age and/or chronic medical conditions
 - HCP may contract influenza from and/or transmit influenza to residents
- **Challenges to vaccination of HCP working in long-term care facilities**
 - Worksite may not offer or actively promote influenza vaccination of HCP^b
 - High staff turnover can complicate vaccination and tracking^c

a https://www.health.pa.gov/topics/Documents/Diseases%20and%20Conditions/Flu/LTCFtoolkit_final12%2010%202016%20Encrypted.pdf

b <https://www.cdc.gov/mmwr/volumes/67/wr/mm6738a2.htm>

c <https://www.ncbi.nlm.nih.gov/pubmed/23031265>

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
 - Could reduce influenza-related illness in residents
 - May reduce deaths in long-term care residents
 - Reduces illness and absenteeism among HCP

<https://www.ncbi.nlm.nih.gov/pubmed/24046301>

<https://www.ncbi.nlm.nih.gov/pubmed/16546308>

<https://www.ncbi.nlm.nih.gov/pubmed/19682118>

Policy on HCP Influenza Vaccination in Long-Term Care

- **The Society for Post Acute and Long-Term Care Medicine**
 - Supports mandatory influenza vaccination of HCP working in long-term care facilities
 - Exceptions only for medical contraindications
 - HCP with and without direct patient contact should be vaccinated
 - Recommends unvaccinated HCP wear masks during influenza season when in direct contact with residents
 - Recommends influenza vaccine be offered at no cost to paid and volunteer HCP working in post-acute and long-term care settings

<https://paltc.org/sites/default/files/AMDA%20Flu%20Vaccine%20Policy%20Final2.pdf>

Strategies to Improve Vaccination of HCP

- **Evidence-based strategies identified to increase vaccination uptake:**
 - Providing no cost vaccine to HCP at the LTC facility
 - Giving the influenza vaccine at various times and locations
 - Actively promoting influenza vaccination
 - Providing individual reminders about the need for vaccination
 - Assessing vaccination rates and providing feedback on performance

<https://www.thecommunityguide.org/topic/worksite-health>

<https://www.thecommunityguide.org/topic/vaccination>

How can I use these data?

Why should you use the HCP Vaccination Module?

- The HCP Vaccination Module allows NHSN users to report HCP influenza vaccination summary data for their workforce
- 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

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 volunteers than among employees
 - Pinpoint barriers to influenza vaccination
 - Example: A facility may discover its volunteers have a lower influenza vaccination rate because they are not covered by facility vaccination policies and programs for employees

Using HCP Vaccination Module Data (cont.)

- **Facilities can use the data from the HCP Vaccination Module to inform decision-making**
 - Refine facility strategy and outreach to unvaccinated groups
 - Example: Update vaccination programs to include non-employee HCP
 - Example: Increase the number of days vaccine is offered on site
 - Improve vaccination tracking for personnel
 - Example: Implement automated tracking systems

Which types of data should I collect?

Denominator Categories

- **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, and 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)
- **Adult students/trainees and volunteers (aged 18 and over) [Required]**
 - Health professional students and volunteers
- **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
- HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility
- HCP who have a medical contraindication to the influenza vaccine
- HCP who declined to receive the influenza vaccine
- HCP with unknown vaccination status (or criteria not met for above-mentioned categories)

Additional Reporting Notes

- The denominator for this measure consists of HCP who are physically present in the facility for at least 1 day between October 1 through March 31
- HCP are included regardless of clinical responsibility or patient contact

How do I get started in NHSN?

HCP Influenza Vaccination Reporting

- **NHSN Facility Administrator adds the Healthcare Personnel Safety Component**
- **Enter data into the Healthcare Personnel Vaccination Module**
 - Complete Required Forms
 - HCP Safety Monthly Reporting Plan
 - HCP Influenza Vaccination Summary
 - Complete Optional Form, if desired
 - Seasonal Survey on Influenza Vaccination Programs for HCP

HCP Influenza Vaccination Reporting (cont.)

Please visit the Immunization Booth!

Staff will be available to assist you with adding the Healthcare Personnel Safety Component

Reporting Healthcare Personnel Influenza Vaccination Summary Data: Long-Term Care Facilities

Activating the Healthcare Personnel Safety Component in NHSN

NHSN Facility Administrator logs into SAMS:

<https://nhsnz.cdc.gov/nhsn/>

- Click "NHSN Reporting"

From the Home Page, click "Facility" then "Add/Edit Component"

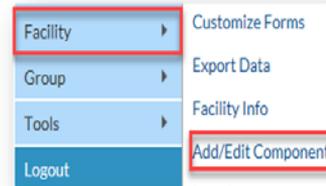
- Check box next to Healthcare Personnel Safety

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

NHSN 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



Resources

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

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A collage of three photographs showing healthcare professionals in blue scrubs interacting with patients in a clinical setting. The first photo shows two healthcare workers, a man and a woman, smiling. The second photo shows a healthcare worker in blue scrubs attending to an elderly male patient. The third photo shows a healthcare worker in white scrubs attending to an elderly male patient in a hospital bed.

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'
and 'Long-Term Care' 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.

