



Healthcare Personnel Safety Component

Healthcare Personnel Vaccination Module

Influenza Vaccination Summary

Long-Term Care Facilities

National Healthcare Safety Network (NHSN)

Vaccination Unit

Fall 2022

Objectives

- 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 Influenza Vaccination Summary
- Outline data analysis features

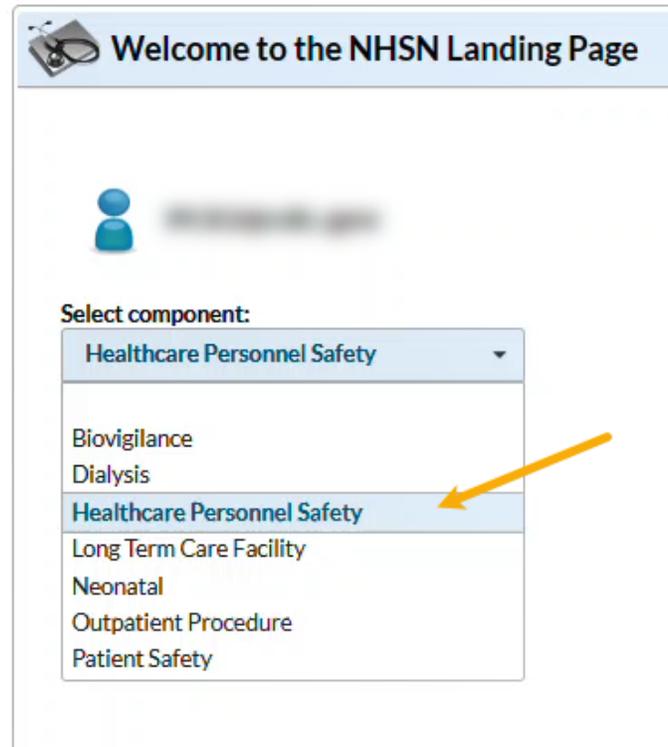
Note: These slides will be posted to the NHSN website in the coming weeks. There will be a replay of this presentation on October 19 at 1 PM ET.

Key Points: Reporting requirement

- The Influenza Vaccination Coverage among healthcare personnel (HCP) measure was finalized in the FY 2023 SNF PPS Final Rule
 - Published in the Federal Register on August 3, 2022
 - As a result, CMS-certified skilled nursing facilities (SNFs) are required to report annual HCP influenza vaccination summary data through the **NHSN Healthcare Personnel Safety (HPS) Component** for the 2022-2023 influenza season
 - For questions related to SNF Quality Reporting Program (QRP) requirements, please contact CMS at:
SNFQualityQuestions@cms.hhs.gov

Key Points: What to report

- Report **Annual HCP influenza vaccination summary data** through the NHSN Healthcare Personnel Safety (HPS) Component for the 2022-2023 influenza season



Welcome to the NHSN Landing Page

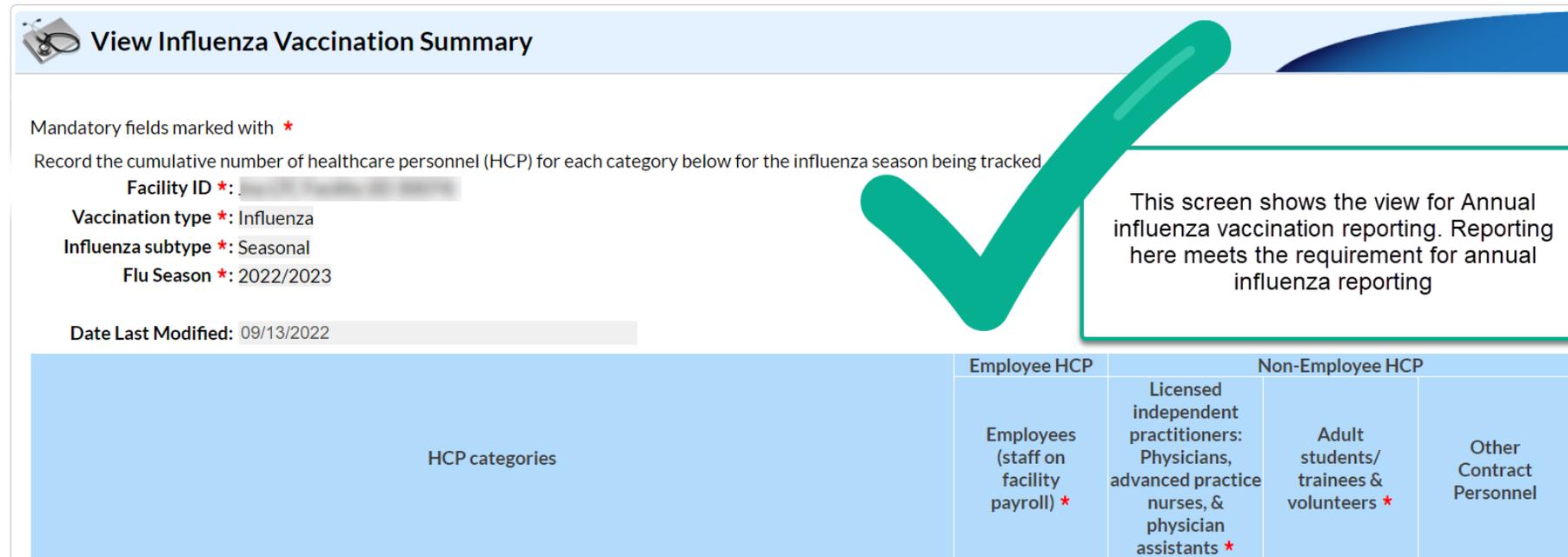
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Select component:

- Healthcare Personnel Safety
- Biovigilance
- Dialysis
- Healthcare Personnel Safety**
- Long Term Care Facility
- Neonatal
- Outpatient Procedure
- Patient Safety

Key Points: Where to report

- Facilities must activate the Healthcare Personnel Safety (HPS) Component in NHSN to report annual influenza vaccination summary data.
- Only the NHSN Facility Administrator (FA) can activate a new component.



View 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 *:

Vaccination type *: Influenza

Influenza subtype *: Seasonal

Flu Season *: 2022/2023

Date Last Modified: 09/13/2022

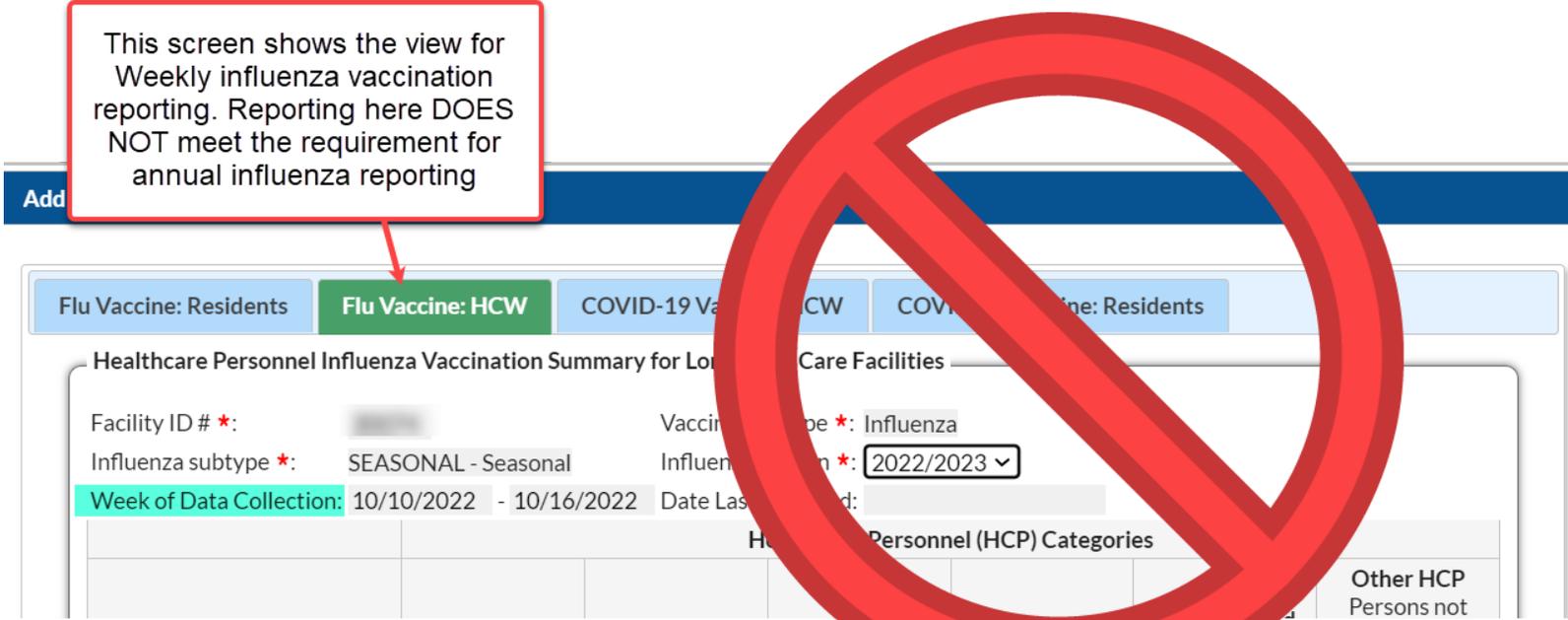
HCP categories	Employee HCP	Non-Employee HCP		
	Employees (staff on facility payroll) *	Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants *	Adult students/trainees & volunteers *	Other Contract Personnel

This screen shows the view for Annual influenza vaccination reporting. Reporting here meets the requirement for annual influenza reporting

Key Points: Where to report (cont.)

- Reporting **weekly** influenza vaccination data through the NHSN Long-term Care Facility (LTCF) Component **does not** fulfill this reporting requirement.

This screen shows the view for Weekly influenza vaccination reporting. Reporting here DOES NOT meet the requirement for annual influenza reporting



The screenshot shows a web interface for reporting influenza vaccinations. The 'Flu Vaccine: HCW' tab is selected. The form includes fields for Facility ID, Influenza subtype (SEASONAL - Seasonal), Vaccination type (Influenza), and Influenza season (2022/2023). A red prohibition sign is overlaid on the entire form, indicating that this reporting method is not acceptable for annual reporting.

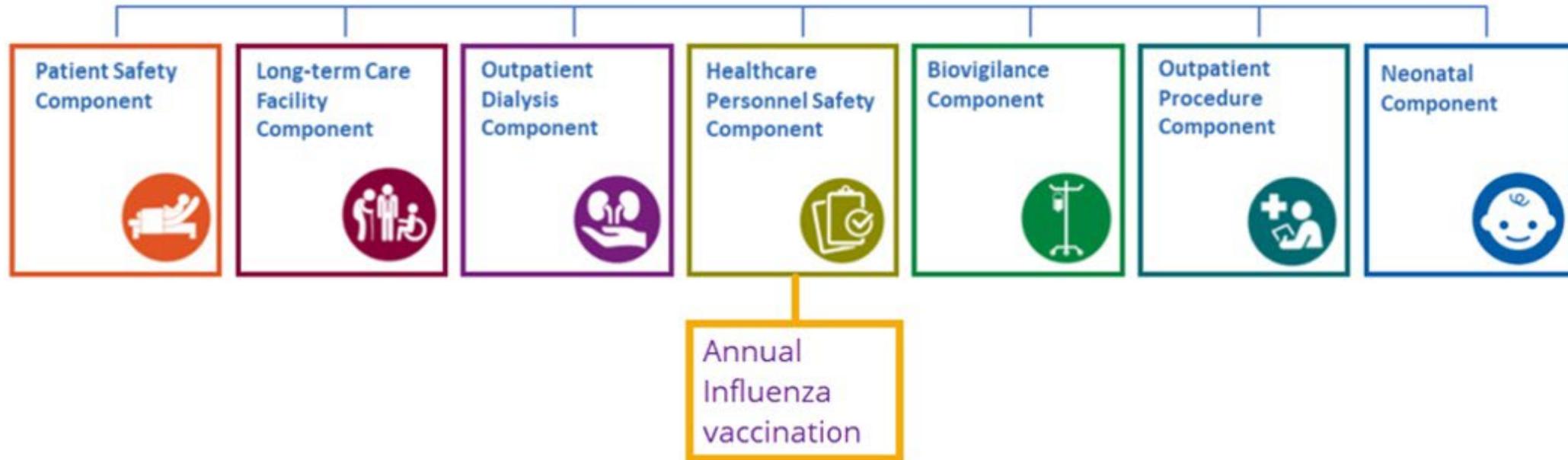
Key Points: When to report

- The reporting period for the 2022-2023 influenza season is from October 1, 2022 through March 31, 2023
- Facilities are required to submit one report covering the entire influenza season
- The deadline to report the annual HCP influenza vaccination summary data through the NHSN **HPS Component** is **May 15, 2023**



Overview of NHSN

NHSN Structure



Healthcare Personnel Safety (HPS) Component

- The HPS Component consists of two modules:
 - **Healthcare Personnel (HCP) Exposure Module**
 - Blood/Body Fluid Exposure Only
 - Blood/Body Fluid Exposure with Exposure Management
 - Influenza Exposure Management
 - **HCP Vaccination Module**
 - Influenza Vaccination Summary
 - COVID-19 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



Reminders for LTC facilities

- Annual healthcare personnel influenza vaccination summary data
 - LTCFs report these data through the Healthcare Personnel Safety Component
 - ★ Reporting weekly influenza vaccination data through the LTCF Component *does not* fulfill CMS requirements ★
- Weekly COVID-19 vaccination summary data
 - LTCFs continue to report these data through the LTCF Component



Overview of the HCP Influenza Vaccination Summary

HCP Influenza Vaccination Summary (cont.)

- 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, advanced 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

■ **NHSN Facility Administrator**

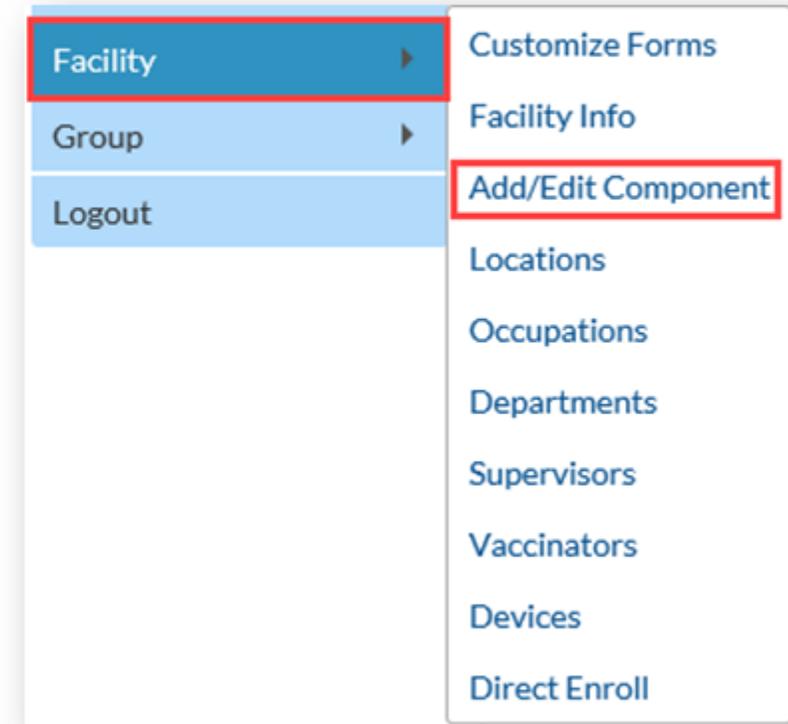
- The person enrolling the facility in NHSN
- Only person who can activate additional components for a facility
- Has add/edit/delete rights to facility data, users, and users' access
- Has authority to nominate/join groups for data sharing
- Only person who can re-assign the role of NHSN Facility Administrator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

■ **Users**

- Rights are determined by NHSN Facility Administrator: view data, data entry, and data analysis
- May be given administrative rights
- Each facility should have at least two NHSN users (including one with NHSN Facility Administrator rights)

Activating the HPS Component

- Activating the HPS component is only necessary for facilities currently enrolled in another component
- Only a NHSN Facility Administrator can activate a new component
- Ensure that the contact information for the NHSN Facility Administrator and HPS Component Primary Contact are updated



Activating the HPS Component (cont.)

- 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
 - 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 NHSN Facility Administrator or new HPS Component Primary Contact

Change in NHSN Facility Administrator

- NHSN Facility Administrator should transfer role to another user prior to leaving the facility!
- NHSN can add an individual as the new NHSN Facility Administrator if the previous NHSN Facility Administrator has left the facility
 - Do not re-enroll the facility in NHSN
- Complete the NHSN Facility Administrator Change Request Form
<https://www.cdc.gov/nhsn/facadmin/index.html>
- After being assigned as the new NHSN Facility Administrator, begin the new NHSN user onboarding process

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:
<https://www.cdc.gov/nhsn/pdfs/hps-manual/vaccination/hps-flu-vaccine-protocol.pdf>
- It outlines reporting requirements and specifications
 - Data collection forms
 - Denominator categories and notes
 - Numerator categories and notes categories
 - Data sources
 - Methodology
 - Calculations for data analyses in NHSN
 - Table of instructions
 - Key terms

Denominator Categories

- Employee HCP: Staff on facility payroll
- Non-Employee HCP: Licensed independent practitioners (physicians, advanced practice nurses, and physician assistants)
- Non-Employee HCP: Adult students/trainees and volunteers
- HCP must be physically present in the facility for at least 1 working day between October 1 through March 31
 - Working any part of a day counts as working one day

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 *: Joy LTC Facility (30074)

Vaccination type *: Influenza

Influenza subtype *: Seasonal

Flu Season *:

Date Last Modified:

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)				

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 contracted 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/PDFs/HPS-manual/vaccination/12-Appendix-A.pdf>

Denominator Categories: Non-Employee HCP: Other Contract Personnel (cont.)

- Include vendors in data reporting for other contract personnel
 - Previously, NHSN instructed facilities not to include vendors as healthcare personnel
 - Updated vaccination reporting guidance to include vendors after receiving stakeholder feedback
 - Vendors providing care, treatment, or services should be included in the other contract personnel category if they physically work in the facility for at least one day during the reporting period (October 1 through March 31)

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

HCP categories	Employee HCP	
	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	<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"/>
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"/>
4. Number of HCP who have a medical contraindication to the influenza vaccine	<input type="text"/>	<input type="text"/>
5. Number of HCP who declined to receive the influenza vaccine	<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"/>

Numerator Categories (cont.)

- 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, 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 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) through March 31 of the following year are included in that category numerator

Notes on Reporting Requirements (cont.)

- 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 Influenza Vaccination Summary Form

 - Complete Optional Form
 - Seasonal Survey on Influenza Vaccination Programs for HCP

Log into SAMS

- You can access the activity home page by clicking:
<https://nhsn2.cdc.gov/nhsn/>
- Level 3 SAMS access is needed to enter data into the HPS Component

For assistance with SAMS, contact the SAMS Help Desk at 1-877-681-2901 or samshelp@cdc.gov

External Partners

SAMS Credentials



SAMS Username

SAMS Password

[Login](#)

[Forgot Your Password?](#)

For External Partners who login with only a SAMS issued UserID and Password.

SAMS Multi-factor Login



OR

Sign on with a SAMS Grid Card or Mobile Soft Token

[Login](#)

For External Partners who have been issued a SAMS Multi-factor token(s).

NHSN Landing Page



Welcome to the NHSN Landing Page



[Blurred text]

Select component:

Healthcare Personnel Safety

Select facility/group:

Fac: Joy LTC Facility (ID 30074)

Submit



HPS Component Home Page

NHSN - National Healthcare Safety Network

NHSN Home

- Alerts
- Reporting Plan ▶
- HCW ▶
- Lab Test ▶
- Exposure ▶
- Prophy/Treat ▶
- Import/Export ▶
- Vaccination Summary ▶
- Surveys ▶
- Analysis ▶
- Users ▶
- Facility ▶
- Group ▶
- Logout

NHSN Healthcare Personnel Safety Component Home Page

Action Items

COMPLETE THESE ITEMS

Confer Rights
Not Accepted

ALERTS

2 Incomplete Treatment Dates	1 Missing Summary Data	18 Missing Weekly Summary Data	33 Report No Events
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Monthly Reporting Plan

- The monthly reporting plan (MRP) is no longer required to complete prior to entering annual healthcare personnel influenza vaccination data beginning with the 2022-2023 influenza season
- Upon saving or uploading data, users will agree to the following:
 - The data reported are consistent with definitions outlined in NHSN surveillance protocols (including tables of instructions and frequently asked questions).
 - The data will be sent to the Centers for Medicare and Medicaid Services (CMS) to fulfill CMS quality reporting requirements (when applicable).

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

Table of Instructions

Data Fields	Instructions for Completion
Facility ID #	<i>Required.</i> The NHSN-assigned facility ID will be auto-entered.
Location	<i>Conditionally Required.</i> Hospitals with CMS IRF units must specify if they are reporting data for their hospital or their CMS IRF unit (s).
Vaccination Type	<i>Required.</i> Influenza is the default and only current choice.
Influenza Subtype	<i>Required.</i> Seasonal is the default and only current choice.
Influenza Season	<i>Required.</i> 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)	<i>Required.</i> 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 practitioners:	<i>Required.</i> Defined as physicians (MD, DO); advanced practice nurses; and physician assistants only who are affiliated with the

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 are located in the HCP Influenza Vaccination Summary Protocol:

<https://www.cdc.gov/nhsn/forms/57-214-HCP-Influenza-Vaccination-Summary-Form-TOI-.pdf>

HCP Influenza Vaccination Summary Data

- Click “Vaccination Summary” then “Annual Vaccination Flu Summary”
- Select “Add”
- Click “Continue”

The screenshot displays the NHSN Home navigation menu on the left and the 'Add Summary Data' page on the right. The navigation menu includes: NHSN Home, Alerts, Reporting Plan, HCW, Lab Test, Exposure, Prophy/Treat, Import/Export, Vaccination Summary, Surveys, and Analysis. The 'Vaccination Summary' menu item is highlighted with a yellow circle containing the number 1. A sub-menu is open for 'Vaccination Summary', showing 'Annual Vaccination Flu Summary' and 'Weekly Flu Vaccination Summary'. The 'Annual Vaccination Flu Summary' item is highlighted with a yellow circle containing the number 2. A sub-menu is open for 'Annual Vaccination Flu Summary', showing 'Add', 'Find', and 'Incomplete'. The 'Add' option is highlighted with a yellow circle containing the number 3. The main content area of the 'Add Summary Data' page shows a dropdown menu for 'Summary Data Type' set to 'Influenza Vaccination Summary'. Below this, there are two buttons: 'Continue' and 'Back'. The 'Continue' button is highlighted with a yellow circle containing the number 4.

HCP Influenza Vaccination Summary Data (cont.)

- “Influenza” and “Seasonal” are the default choices for vaccination type and influenza subtype
- Select appropriate flu season in drop-down box (e.g., 2022-2023)

NHSN Home

- Alerts
- Reporting Plan ▶
- HCW ▶
- Lab Test ▶
- Exposure ▶
- Prophy/Treat ▶
- Import/Export

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 *: Joy LTC Facility (30074)

Vaccination type *: Influenza ▼

Influenza subtype *: Seasonal ▼

Flu Season *: ▼

Data Entry Screen

- Question 1 pertains to the denominator and questions 2-6 pertain to the numerator
- The asterisks indicate required columns that must be completed
- Use the “Comments” box to enter any additional information
- Data must be entered by May 15
 - Only data entered into the HPS Component will be submitted to CMS
 - Weekly influenza vaccination data entered into the Long-term Care Facility Component will **not** be submitted

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"/>

Saving HCP Influenza Vaccination Data

- Click “Save” to save the data

Date Last Modified: 08/26/2022

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	100	100	50	0
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season	100	100	50	0
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	0	0	0	0
4. Number of HCP who have a medical contraindication to the influenza vaccine	0	0	0	0
5. Number of HCP who declined to receive the influenza vaccine	0	0	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

Comments

Save

Delete

Back

Editing HCP Influenza Vaccination Data

- 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

 **View Influenza Vaccination Summary**

 A record for the selected summary data element already exists.

Mandatory fields marked with *

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

Facility ID *: Joy LTC Facility (30074)

Vaccination type *: Influenza

Influenza subtype *: Seasonal

Flu Season *: 2022/2023

Date Last Modified: 08/26/2022

HCP categories	Employee HCP	
	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	100	100

Editing HCP Influenza Vaccination Data (cont.)

- Click “Edit” to modify existing data

Date Last Modified: 08/26/2022

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	100	100	50	0
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season	100	100	50	0
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	0	0	0	0
4. Number of HCP who have a medical contraindication to the influenza vaccine	0	0	0	0
5. Number of HCP who declined to receive the influenza vaccine	0	0	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

Comments

[Edit](#) [Delete](#) [Back](#)

Data Analysis Features for HCP Influenza Vaccination Summary

Generating HCP Influenza Vaccination Summary Data

- Go to “Analysis” and select “Generate Data Sets”
- Click “Generate Reporting Data Sets”
- Select “OK” when webpage message appears on the screen

The screenshot displays the NHSN web application interface. On the left is a navigation sidebar with the following items: NHSN Home, Alerts, Reporting Plan, HCW, Lab Test, Exposure, Prophy/Treat, Import/Export, Vaccination Summary, Surveys, Analysis (highlighted), Users, Facility, and Group. The main content area is titled 'Generate Data Sets (Healthcare Personnel Safety)'. It features a 'Reporting Data Sets' section with a 'Generate Reporting Data Sets' button. Below this, there is a time period selection box with 'Beginning' and 'Ending' date pickers (format mm/yyyy) and a 'Clear Time Period' button. A yellow box indicates 'Last Generated: September 8, 2022 12:52 AM to include all data'.

Warning

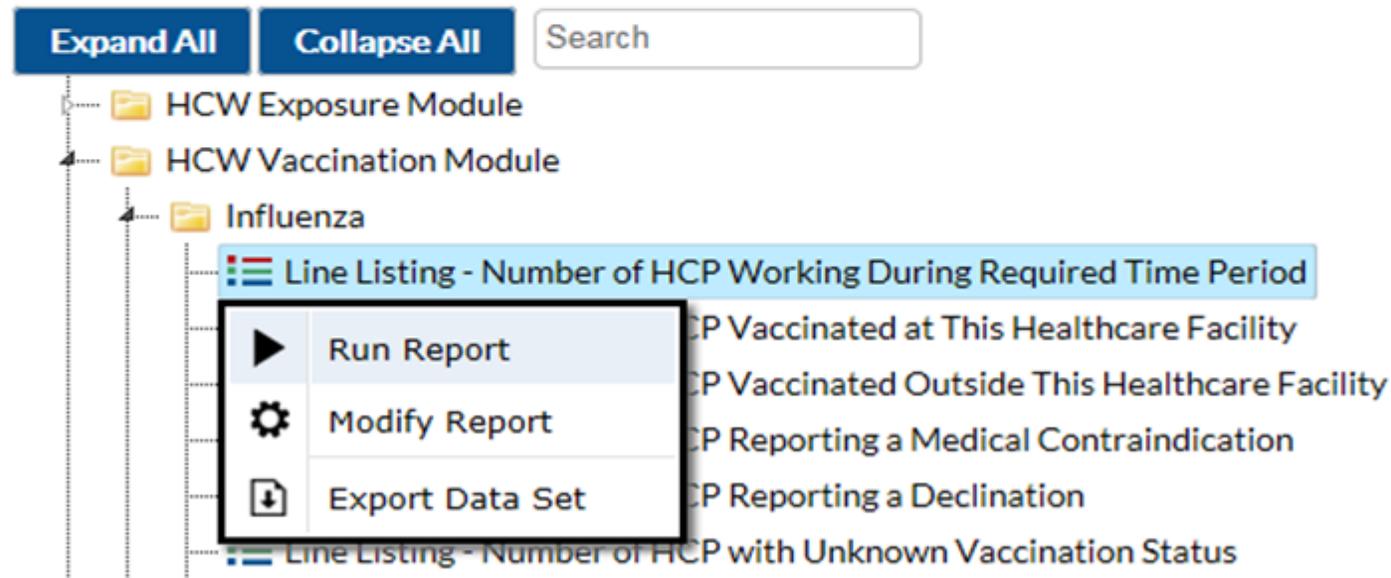
The current data sets will be updated. Are you sure you want to continue?

OK

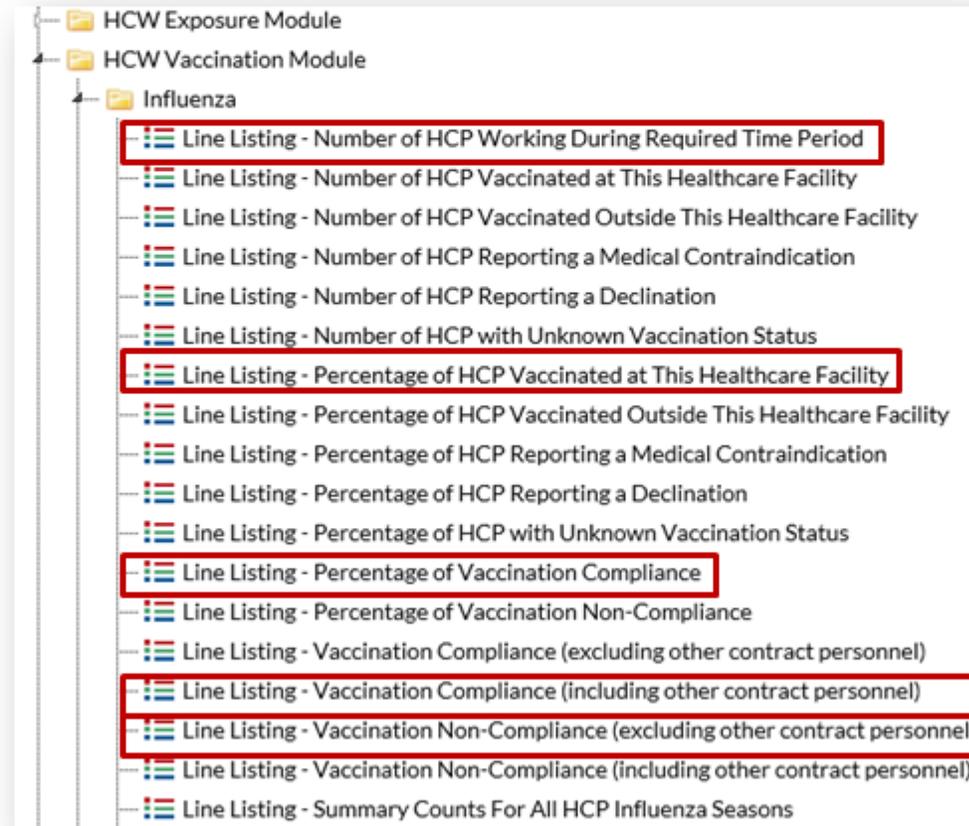
Cancel

HCP Influenza Vaccination Summary Data Analysis: Output Options

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



HCP Influenza Vaccination Summary Data Analysis: Output Options (cont.)



HCP Influenza Vaccination Summary Data Analysis: Summary Counts

Facility Org ID	Influenza season	Type of summary record	Ru Vacc Subtype	Type of Vaccination	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
30074	2020/2021	VACCSUMANN	SEASONAL	FLU	8	8	8	8	24	32
30074	2022/2023	VACCSUMANN	SEASONAL	FLU	100	100	50	0	250	250

- **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 8 employees worked during the required time period during the 2020/2021 influenza season
 - 100 employees worked during the required time period during the 2022/2023 influenza season
- **Two overall totals are presented**
 - One number includes the total number of HCP working without other contract personnel (e.g., 24 HCP for the 2020-2021 influenza season)
 - One number includes the total number of HCP working with other contract personnel (e.g., 250 HCP for the 2022-2023 influenza season)

HCP Influenza Vaccination Summary Data Analysis: Vaccination Compliance

Vaccination Compliance (excluding other contract personnel)

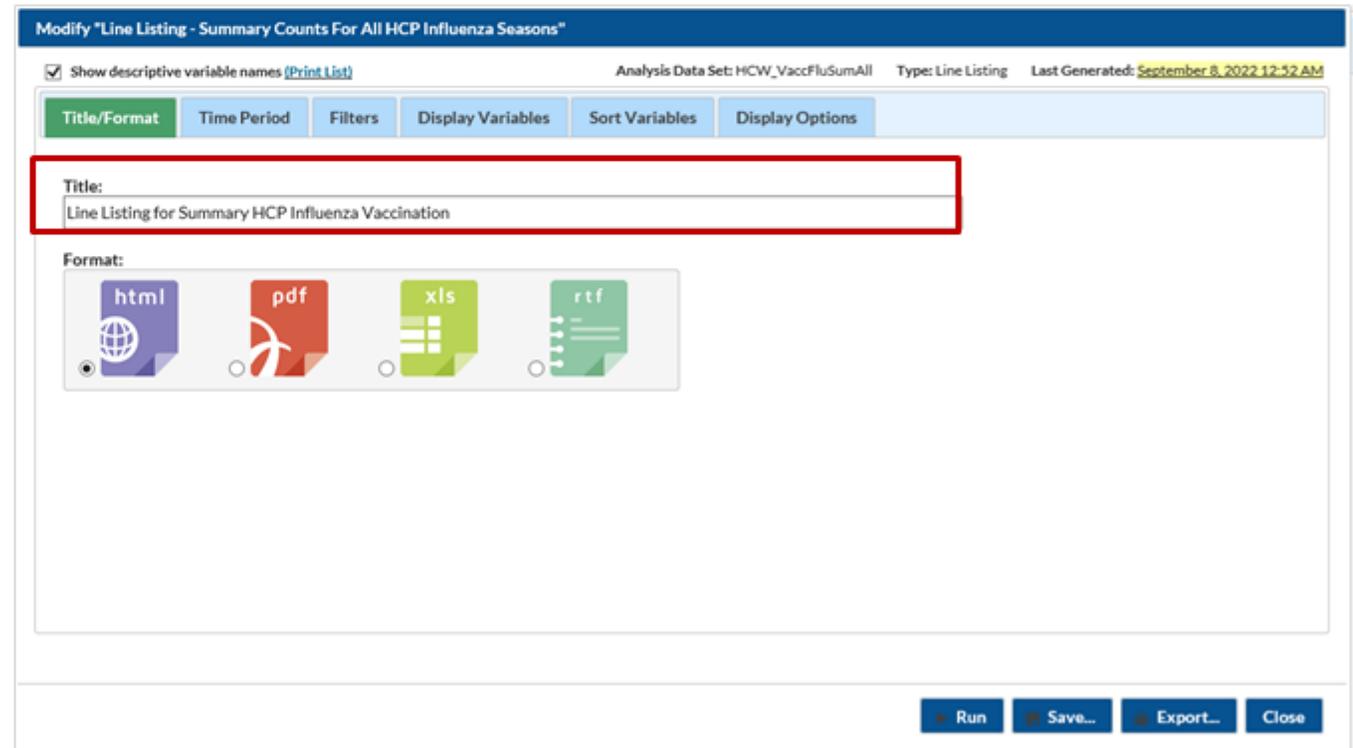
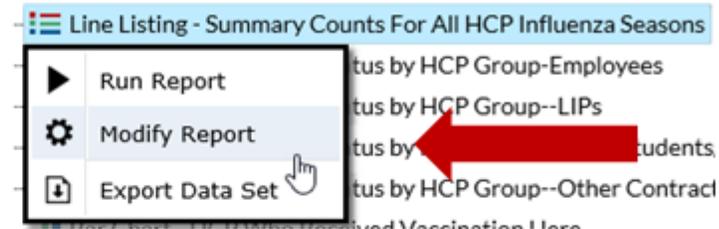
Facility Org ID	Influenza season	Total number of HCP (excluding other contract personnel) vaccinated	Total number of healthcare personnel (HCP) [excluding other contract personnel] working	Percentage of HCP (excluding other contract personnel) vaccinated
30074	2020/2021	6	24	25%
30074	2022/2023	250	250	100%

- **The highlighted example for vaccination compliance indicates:**
 - 25% of HCP (excluding other contract personnel) were vaccinated in 2020/2021
 - 100% of HCP (excluding other contract personnel) were vaccinated in 2022/2023

- **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

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



Modifying HCP Influenza Vaccination Summary Data (cont.)

- Can add/remove variables from output by clicking “Display Variables” (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 screenshot displays the 'Modify "Line Listing - Summary Counts For All HCP Influenza Seasons"' interface. At the top, there is a header bar with the title and a 'Show descriptive variable names (Print List)' checkbox. Below the header is a navigation bar with tabs: 'Title/Format', 'Time Period', 'Filters', 'Display Variables' (highlighted in green), 'Sort Variables', and 'Display Options'. The main area is divided into 'Available Variables' and 'Selected Variables' sections. The 'Available Variables' list includes 'Create Date', 'Created in NHSN Version', and 'Custom Flu01' through 'Custom Flu13'. The 'Selected Variables' list includes 'Number of employees working', 'Number of employees vaccinated at this facility', 'Number of employees vaccinated elsewhere', 'Number of employees with contraindication', 'Number of employees declined vaccine', 'Number of employees with unknown vaccination', 'Number of LIPs working', 'Number of LIPs vaccinated at this facility', 'Number of LIPs vaccinated elsewhere', 'Number of LIPs with contraindication', 'Number of LIPs declined vaccine', 'Number of LIPs with unknown vaccination', 'Number of adult students/trainees and volunteers wor', 'Number of adult students/trainees and volunteers vac', and 'Number of adult students/trainees & volunteers vacci'. Between the two lists are buttons for 'All', 'Selected', and 'All'. To the right of the 'Selected Variables' list are buttons for 'Up', 'Down', and 'Undo'. At the bottom right, there are buttons for 'Run', 'Save...', 'Export...', and 'Close'. A red arrow points to the 'Save...' button.

The NHSN Website

Visit: [HCP Flu Vaccination | HPS | NHSN | CDC](#) for training materials:

- Protocol
- Data collection forms
- Frequently asked questions (FAQs)
- 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 and specify “Long-term care facility”