

Healthcare Personnel Safety Component

Healthcare Personnel Vaccination Module Influenza Vaccination Summary

Inpatient Rehabilitation Facilities

October 2022

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
- Review data verification in NHSN

Overview of NHSN

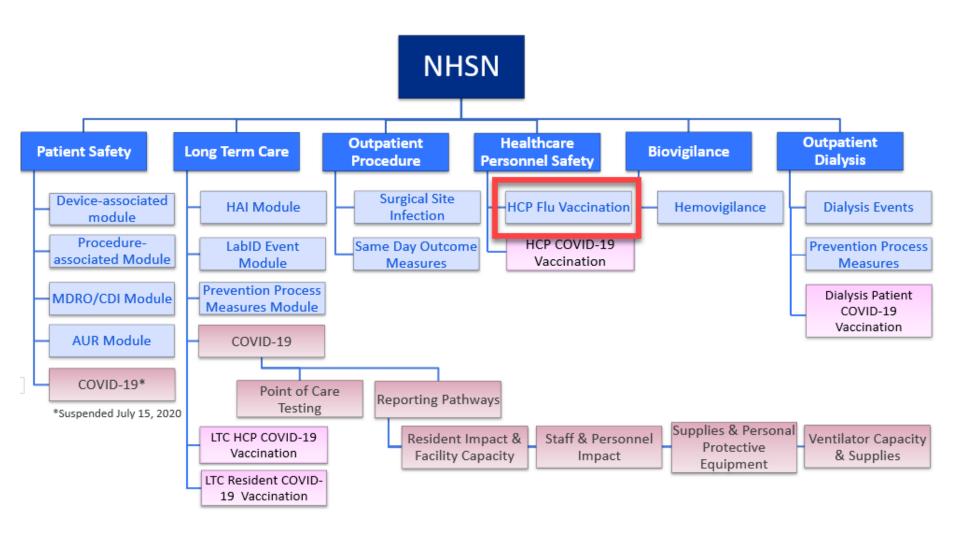
Purposes of NHSN

- 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 interfacility comparisons and local quality improvement activities

Purposes of NHSN (cont.)

- Enable healthcare facilities to report healthcareassociated 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/

NHSN Structure



Healthcare Personnel Safety 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

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 (cont.)

- Data are collected on denominator and numerator categories
 - Denominator categories:
 - HCP must be <u>physically</u> 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 <u>required</u> 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

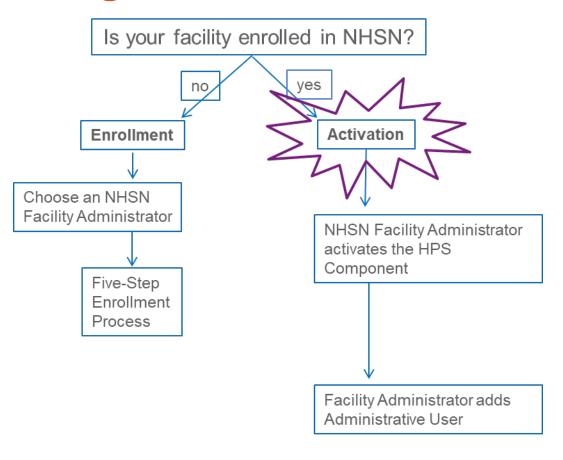
Users

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

Getting Started in the HPS Component

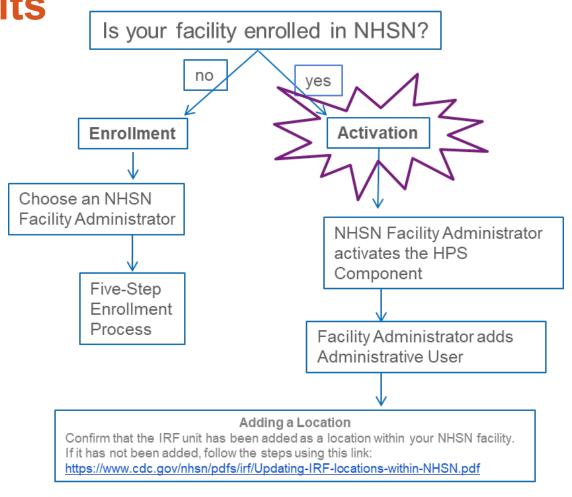
- Enrolling in NHSN
 - Facilities that are currently not participating in NHSN and wish to participate must <u>enroll</u> their facility in NHSN
 - Please visit
 http://www.cdc.gov/nhsn/enrollment/index.html for more information regarding the enrollment process
 - Enrollment usually takes at least 4-6 weeks
 - During the enrollment process, facilities may choose to participate in any of the NHSN components
- Activating the HPS Component
 - Facilities that are <u>already enrolled</u> in NHSN and wish to participate in the HPS Component must <u>activate</u> the component within NHSN

Getting Started in the HPS Component for Freestanding IRFs



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

Getting Started in the HPS Component for IRF Units



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

Getting Started in the HPS Component for IRF Units, cont.

 Once an IRF unit has been mapped, the fields for the IRF unit location should be completed

ľ	Mandatory fields to "Add" or "Edit" a record marked with *			
ı	Your Code *: 0910			
ı	Your Label *: ADULT REHAB			
ı	CDC Location Description *: Rehabilitation Ward (within Acute Care Hospital)			
ı	Is this location a CMS IRF unit within a hospital? *: Y - Yes 🗸			
ı	If Yes, specify the IRF CCN (will have an R, T, TA, TB, TC, TE, TF, TG, TH, TJ or TK in 99T999 Effective Date of IRF CCN: 01/01/2015 2015Q1 Edit IRF the 3rd position) *: CCN			
ı	Status ★: Active ✓			
ı	Bed Size *: 40 A bed size greater than zero is required for most inpatient locations.			
ı				
	Find Save Export Location List Clear			

Activating the HPS Component

- Facility Administrator logs into SAMS: https://nhsn2.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

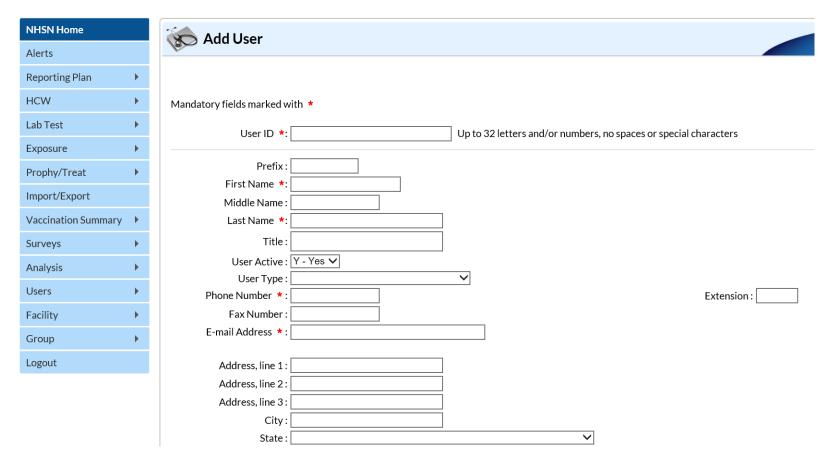


Activating the HPS Component (cont.)

- 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

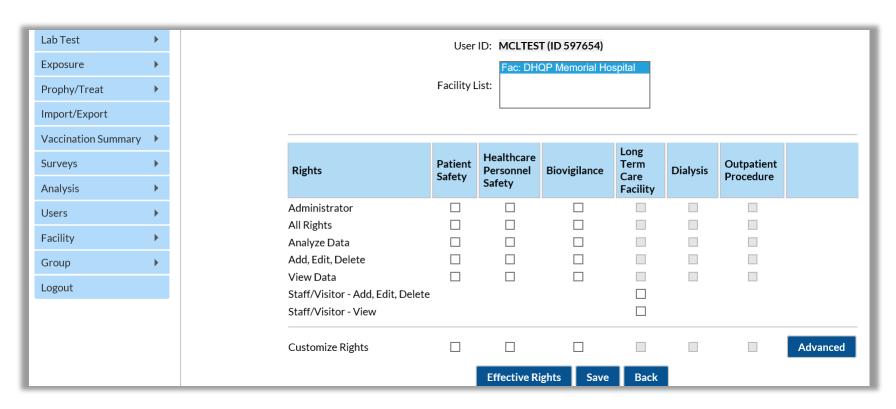
Adding a NHSN User

- Recommend at least 2 NHSN users
- To add: click "Users > Add"
- Complete required fields



User Rights

- After saving the new user information, the "Edit User Rights" screen will appear
- Please be sure to confer the proper rights to users
- CDC recommends that at least two users at each facility have rights to add and analyze data



New Users to NHSN

- Receive a "Welcome to NHSN" e-mail
- Receive e-mails to register and create a SAMS account
 - Follow instructions carefully
- Complete and submit identity verification documents to SAMS
 - Don't delay beginning the process
- Access NHSN using SAMS credentials

SAMS Grid Card Credentials



New Users to NHSN (cont.)

- New user onboarding takes at least 2-3 weeks
 - New users should begin this process well in advance of the reporting deadline
- Log into NHSN at least once per year to maintain active SAMS credentials
- A user with a SAMS card can enter data for multiple facilities as long as they are a registered user at each facility
- Information about the SAMS process can be found at: http://www.cdc.gov/nhsn/sams/about-sams.html

Change in NHSN Facility Administrator

- NHSN Facility Administrator should transfer role to another user <u>prior</u> 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 <u>not</u> re-enroll the facility in NHSN
- Complete NHSN Facility Administrator Change Request form online
 - 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

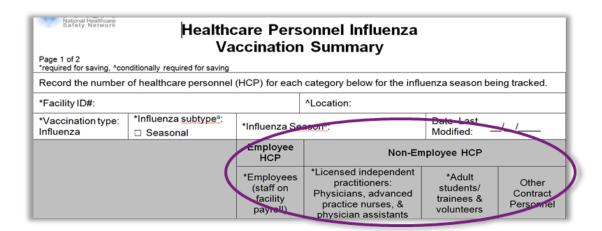
The protocol is a facility's guide to collecting and reporting Influenza Vaccination Summary data for the HCP Vaccination Module:

https://www.cdc.gov/nhsn/pdfs/hps-manual/hps manual-exp-plus-flu-portfolio.pdf

- 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: 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



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/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 facility or elsewhere
- Medical contraindications
- Declinations
- Unknown status

	Employee HCP	
	*Employees (staff on facility payroll)	*Licensed inde practition Physicians, ac practice nun physician ass
Number of HCP who worked at this		
healthcare facility for at least 1 day		
between October 1 and March 31		
Number of HCP who received an		
influenza vaccination at this healthcare		
facility since influenza vaccine became		
available this season		
Number of HCP who provided a written		
report or documentation of influenza		
vaccination outside this healthcare		
facility since influenza vaccine became		
available this season		
Number of HCP who have a medical		
contraindication to the influenza vaccine		
5. Number of HCP who declined to receive		
the influenza vaccine		
Number of HCP with unknown		
vaccination status (or criteria not met for		
questions 2-5 above)		

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

- 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 (continued)

- 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 <u>physically present</u> 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.

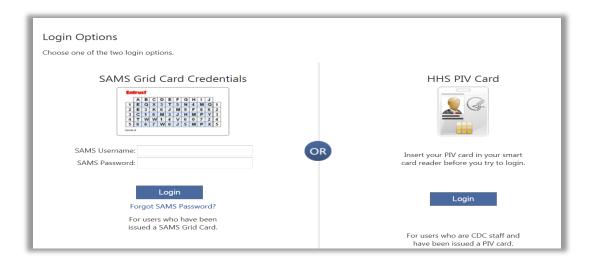
Entering Data for the HCP Influenza Vaccination Summary

Required and Optional Reporting Forms

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

Log into SAMS

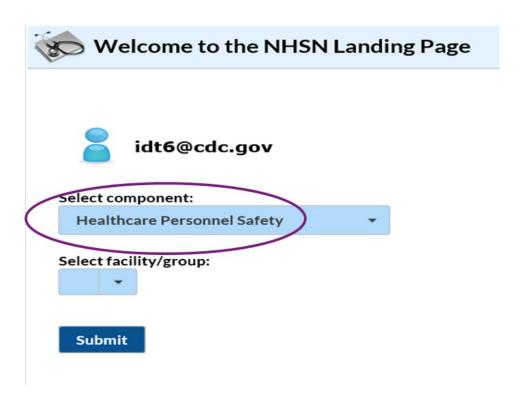
- You can access the activity home page by clicking https://nhsn2.cdc.gov/nhsn/
- Enter your SAMS username and password
- Enter SAMS grid card numbers



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

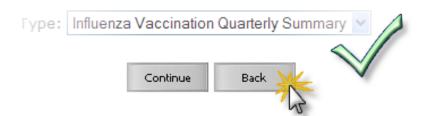
NHSN Landing Page

Select the HCP Safety Component



Navigating NHSN

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



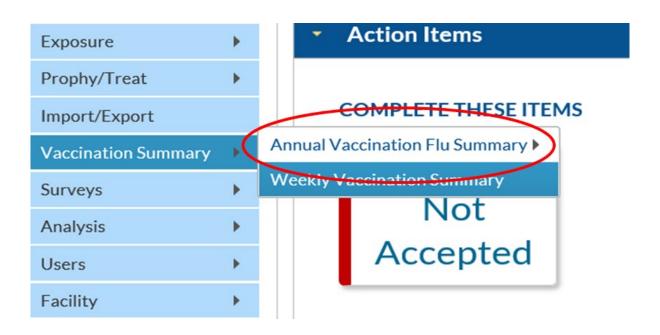


 View facility name, user, and component in use at the top of the screen



HPS Component Home Page

 Select 'Vaccination Summary' and 'Annual Flu Vaccination Summary' on the left-hand navigation bar



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

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
Number of HCP who worked at this healthcare facility for at least 1 day between October 1 and March 31				
Number of HCP who received an influenza vaccination at this healthcare facility since influenza vaccine became available this season				
Number of HCP who provided a written report or documentation of influenza vaccination outside this healthcare facility since influenza vaccine became available this season				
Number of HCP who have a medical contraindication to the influenza vaccine				
5. Number of HCP who declined to receive the influenza vaccine				
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	Required. Defined as all persons that receive a
on facility payroll)	direct paycheck from the healthcare facility (i.e.,
	on the facility's payroll), regardless of clinical
	responsibility or patient contact.
Non-Employee HCP:	Required. Defined as physicians (MD, DO);
Licensed independent	advanced practice nurses; and physician

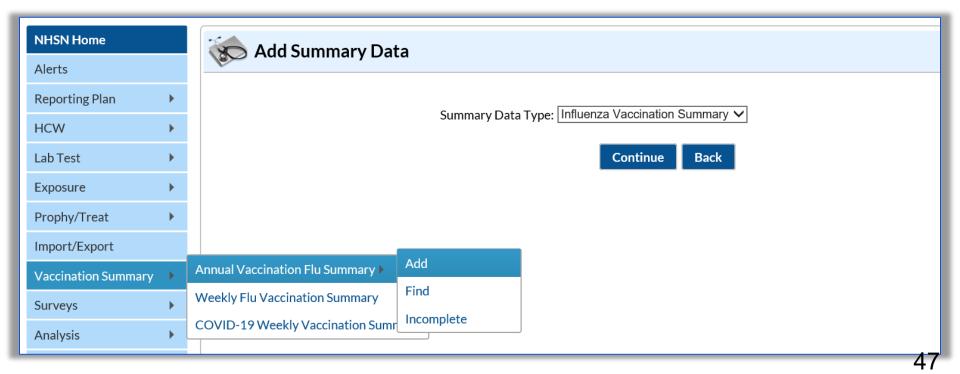
 The Table of Instructions outlines the instructions and definitions for each data field in the NHSN module.

The instructions for the HCP Influenza Vaccination Summary Form are located in the HCP Influenza Vaccination Summary Protocol:

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

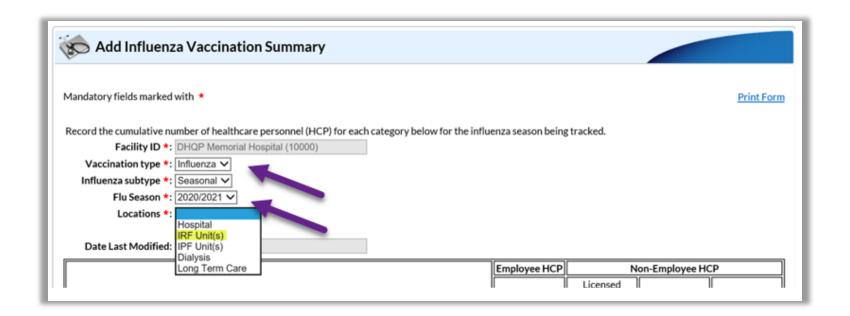
HCP Influenza Vaccination Summary Data

- Click "Vaccination Summary" then "Annual Flu Vaccination Summary", then Add
- "Influenza Vaccination Summary" appears as the only option
- Click "Continue"



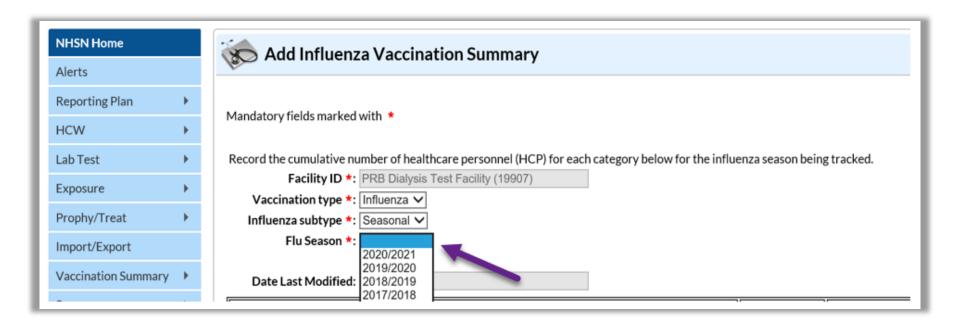
Summary Report for Facilities with IRF Units

- "Influenza" and "Seasonal" are the default choices for vaccination type and influenza subtype
- Select appropriate flu season in drop-down box (e.g., 2020-2021)
- Select the appropriate location for reporting facility data or IRF unit(s) data



Summary Report for Freestanding IRFs

- "Influenza" and "Seasonal" are the default choices for vaccination type and influenza subtype
- Select appropriate flu season in drop-down box (e.g., 2020-2021)



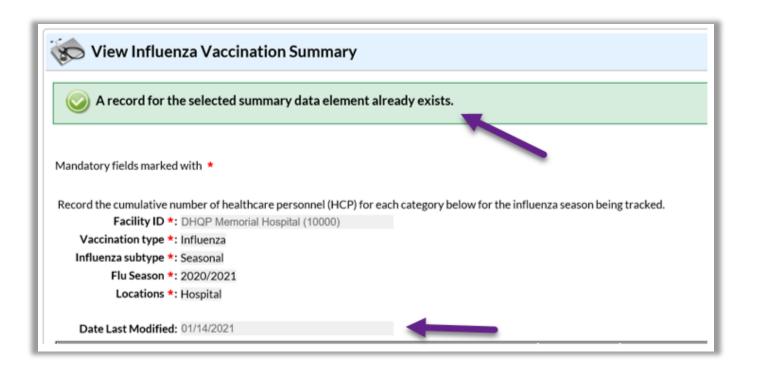
Data Entry Screen

- The asterisks indicate required columns that must be completed
- Use the "Comments" box to enter any additional information
- Click "Save" to save the record
- Data must be entered by the May 15 reporting deadline to meet CMS program requirements!

	Employee HCP	N	on-Employee HCP			
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						
Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season						
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						
Comments						

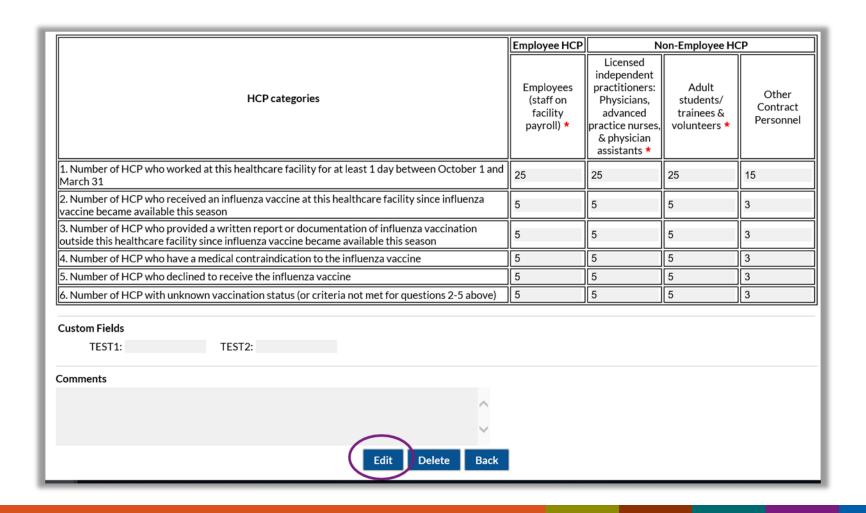
Editing HCP Influenza Vaccination Data

- 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



Editing HCP Influenza Vaccination Data (cont.)

Click "Edit" to modify existing data



Saving HCP Influenza Vaccination 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	25	25	25 15					
2. Number of HCP who received an influenza vaccine at this healthcare facility since influenza vaccine became available this season	5	5	3					
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	5	5	3					
4. Number of HCP who have a medical contraindication to the influenza vaccine	5	5	5 5					
5. Number of HCP who declined to receive the influenza vaccine	5	5	5	3				
6. Number of HCP with unknown vaccination status (or criteria not met for questions 2-5 above)	5	5	5	3				
Custom Fields TEST1: TEST2:								
Comments Save Delete Back								

Saving HCP Influenza Vaccination Data (cont.)

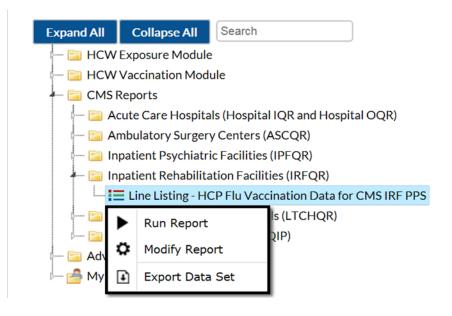
 A message confirming that data were saved should appear at the top of the screen

Successfully updated Influenza Vaccination Summary record. A record for the selected summary data element already exists.

Data Verification in NHSN

Data Verification in NHSN

Run a CMS Line Listing
Report using instructions
located here:
 https://www.cdc.gov/nhsn/p
 dfs/cms/vaccination/hcp-flu-tips-irf-508.pdf



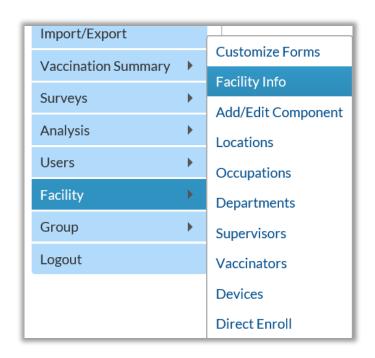
National Healthcare Safety Network Line Listing for HCP Flu Vaccination Data for CMS IRF PPS

As of: March 29, 2021 at 8:55 PM
Date Range: All HCW_VACCFLUSUMCMS_IRFQR

orgID	summarySeason	vaccType	personnelType	personnelTypeDesc	${\it vaccTypeDesc}$	declinations	contraindications	vaccEW	vaccHere	working	pctVacc	totVacc	pctVaccCI
10957	2020/2021	FLU	Employee	Employees	Influenza	5	0	5	90	100	95%	95	89%, 98%
10957	2020/2021	FLU	LIP	Licensed Independent Practitioners	Influenza	3	2	20	25	50	90%	45	79%, 96%
10957	2020/2021	FLU	studVol	Adult Students/Trainees and Volunteers	Influenza	0	0	20	0	20	100%	20	86%, 100%
10957	2020/2021	FLU	All	All Healthcare Workers	Influenza	8	2	45	115	170	94%	160	90%, 97%

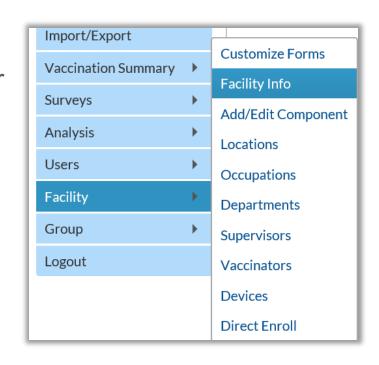
Data Verification in NHSN for Freestanding IRFs

- Ensure that the correct facility CMS
 Certification Number (CCN) and CCN
 effective date have been entered into the
 "Facility Information" page of NHSN
 - Your CCN effective date = date your facility first received its CCN from CMS
- Ensure that your facility is enrolled as a HOSP-REHAB on the "Facility Information" page of NHSN
 - If your facility is not correctly enrolled, please contact <u>NHSN@cdc.gov</u> for assistance



Data Verification in NHSN for IRF Units

- Ensure that the correct facility CMS
 Certification Number (CCN) and CCN
 effective date have been entered into the
 "Facility Information" page of NHSN for
 the facility in which your IRF is located
 - Your CCN effective date = date your facility first received its CCN from CMS
- Ensure that your facility is enrolled as the correct type (e.g. HOSP-GEN, HOSP-LTAC, HOSP-PSYCH) on the "Facility Information" page of NHSN



Data Verification in NHSN for IRF Units (cont.)

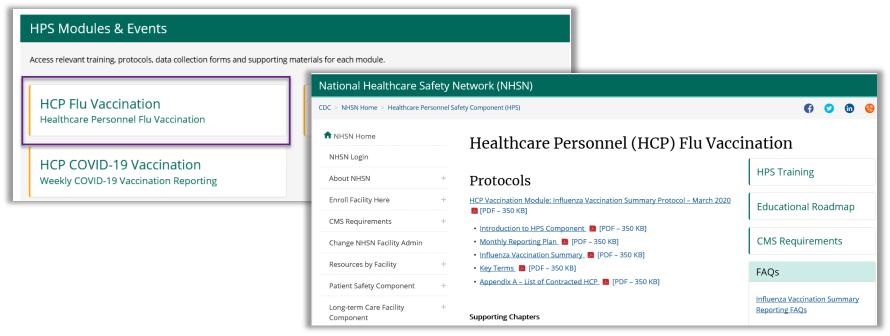
- Ensure that "Yes" is selected for the question: Is this location a CMS IRF unit within a hospital?
- Ensure that the correct CMS Certification Number (CCN) and CCN effective date have been entered for each CMS IRF unit in NHSN for your facility
 - Your CCN effective date = date your unit first received its CCN from CMS

Mandatory fields to "Add" or "Edit" a record marked with *		
Your Code *: 0910		
Your Label *: ADULT REHAB		
CDC Location Description *: Rehabilitation Ward (within Acute Care Hospital)		
Is this location a CMS IRF unit within a hospital? *: Y - Yes 🗸		
If Yes, specify the IRF CCN (will have an R, T, TA, TB, TC, TE, TF, TG, TH, TJ or TK in 99T999 Effective Date of IRF CCN: 01/01/2015	2015Q1	Edit IRF
the 3rd position) *: CCN		
Status *: Active V		
Bed Size *: 40 A bed size greater than zero is required for most i	npatient lo	cations.
Find Save Export Location List Clear		

Resource: The NHSN Website

Visit https://www.cdc.gov/nhsn/hps/vaccination/index.html

- Data collection forms
- Tables of Instructions
- 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 your facility type