



# **PCHQR Program: COVID-19 Vaccination Coverage Among Health Care Personnel Measure**

**December 16, 2021**

# Speakers

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# Purpose

This presentation will provide an overview of the COVID-19 Vaccination Coverage Among Healthcare Personnel measure (COVID-19 HCP Vaccination measure). The event will also show the steps to enter COVID-19 HCP Vaccination measure data into the CDC's National Healthcare Safety Network (NHSN).

# Objectives

PCHQR Program participants will:

- Understand the COVID-19 HCP Vaccination measure specifications.
- Apply the COVID-19 HCP Vaccination measure requirements for the PCHQR Program.
- Perform the steps to enter COVID-19 HCP Vaccination measure data into NHSN.

# Acronyms and Abbreviations

<b>ASCQR</b>	Ambulatory Surgical Center Quality Reporting	<b>IPPS</b>	Inpatient Prospective Payment System
<b>CCN</b>	CMS Certification Number	<b>IQR</b>	Inpatient Quality Reporting
<b>CDC</b>	Centers for Disease Control and Prevention	<b>LTCH PPS</b>	Long-Term Care Hospital Prospective Payment System
<b>CMS</b>	Centers for Medicare & Medicaid Services	<b>NHSN</b>	National Healthcare Safety Network
<b>FR</b>	<i>Federal Register</i>	<b>OQR</b>	Outpatient Quality Reporting
<b>FY</b>	fiscal year	<b>PCHQR</b>	PPS-Exempt Cancer Hospital Quality Reporting
<b>HCP</b>	Health Care Personnel	<b>PDC</b>	Provider Data Catalog
<b>HPS</b>	Healthcare Personnel Safety	<b>Q</b>	quarter
<b>IPFQR</b>	Inpatient Psychiatric Facilities Quality Reporting	<b>VIQR</b>	Value, Incentives, and Quality Reporting

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## **COVID-19 HCP Vaccination Measure Overview**

# Denominator

- The denominator is the number of healthcare personnel (HCP) eligible to work in the healthcare facility for at least one day during the reporting period, excluding persons with contraindications to the COVID-19 vaccination that are described by the CDC.
- The CDC considers a history of the following to be the only contraindications to vaccination with COVID-19 vaccines:
  - Severe allergic reaction (e.g., anaphylaxis) after a previous dose or to a component of the COVID-19 vaccine
  - Immediate allergic reaction of any severity to a previous dose or known (diagnosed) allergy to a component of the COVID-19 vaccine

# Numerator

The numerator is the cumulative number of HCP eligible to work in the healthcare facility for at least one day during the reporting period and who received a completed vaccination course against COVID-19 since the date the vaccine was first available or on a repeated interval, if revaccination is recommended.



# Numerator (continued)

A completed vaccination course may require one or more doses depending on the specific vaccine used.

- A completed course is defined as dose 1 and dose 2 of COVID-19 vaccines requiring two doses for completion or one dose of COVID-19 vaccine requiring only one dose for completion.
- Currently the measure does not include the administration of the booster vaccine.
  - For surveillance purposes, the CDC is requiring the data entry of the number of HCP that are eligible to receive an additional dose or booster of COVID-19 vaccine. Please refer to the [Interim Clinical Considerations for Use of COVID-19 Vaccines](#) for additional information.

# HCP Categories

- All core HCP include the sum of:
  - Employees
  - Licensed independent practitioners
  - Adult students/trainees and
  - Volunteers
- All HCP include the sum of each category above, including other contract personnel.

# HCP Inclusions

HCP Category	Inclusion
Employee (staff on payroll)	Include all persons receiving a direct paycheck from the healthcare facility (i.e., on the facility's payroll), regardless of clinical responsibility or patient contact.
Licensed independent practitioners (Physicians, advanced practice nurses, and physician assistants)	Include 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.
Adult students/trainees and volunteers	Include 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.
Other Contract Personnel	Defined as persons providing care, treatment, or services at the facility through a contract who do not meet the definition of any other required denominator category. This includes agency and/or PRN staff who are scheduled to work at the facility at least once per week.

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## **COVID-19 HCP Vaccination Measure PCHQR Program Requirements**

# FY 2022 IPPS/LTCH PPS Final Rule

- In the Fiscal Year (FY) 2022 Inpatient Prospective Payment System (IPPS)/Long-Term Care Hospital Prospective Payment System (LTCH PPS) Final Rule (86 FR 45428–45434), CMS finalized the reporting of the COVID-19 HCP Vaccination measure for the PCHQR Program, as well as these quality reporting programs and additional post-acute care settings:
  - Hospital Inpatient Quality Reporting (IQR)
  - Inpatient Psychiatric Facilities Quality Reporting (IPFQR)
- CMS also finalized this measure for inclusion in the Hospital Outpatient Quality Reporting (OQR) Program and the Ambulatory Surgical Center Quality Reporting (ASCQR) Program.

# Reporting Requirements

- PCHs will collect the numerator and denominator for the COVID-19 HCP Vaccination measure for at least one self-selected week during the month of the reporting quarter and submit to NHSN before the quarterly deadline.
  - Each quarter, the CDC will calculate a single quarterly COVID-19 HCP Vaccination coverage rate for each PCH by taking the average of the data from the three weekly rates.
  - CMS will publicly report each quarterly COVID-19 HCP Vaccination coverage rate as calculated by the CDC.
- For the FY 2023 program year, the reporting period will be October 1, 2021–December 31, 2021.
- Beginning with FY 2024 program year and subsequent years, data will be submitted quarterly following reporting deadlines for the PCHQR Program.

# Data Submission

- CMS and the CDC encourage weekly reporting of the data.
- Hospitals will only be required to submit by the quarterly submission deadline.
  - For example, for the quarter (Q)4 2021 reporting period, hospitals will be required to submit all three months of data by the May 16, 2022, submission deadline.
  - The hospital meets submission requirements if the CDC can calculate a quarterly rate.
- CMS typically allows 4.5 months for hospitals to add new data and submit, resubmit, change, and delete existing data up until the submission deadline.
  - Data should be submitted well before the deadline to allow time to review the data for accuracy and make necessary corrections.
- Data can be modified in NHSN at any time; if modified in NHSN after the submission deadline, data are **not** sent to CMS nor used in CMS programs.

# Submission Deadlines for PCHQR Program: Calendar Years 2021 and 2022

Event Dates	Reporting Period	Submission Deadline
Q4 2021	Oct 1–Dec 31	May 16, 2022
Q1 2022	Jan 1–Mar 31	August 15, 2022
Q2 2022	Apr 1–Jun 30	November 15, 2022
Q3 2022	Jul 1–Sep 30	February 15, 2023
Q4 2022	Oct 1–Dec 31	May 15, 2023



# Reporting

Each quarter, the CDC will calculate a single quarterly COVID-19 HCP Vaccination coverage rate for each facility, by taking the average of the data from the three weekly rates submitted by the facility for that quarter.

- If more than one week of data is submitted for the month, for measure calculation purposes, the most recent week of the month will be used.

# Public Reporting

- Public reporting will begin with the October 2022 release using data collected from Q4 2021 (October 1, 2021–December 31, 2021).
- CMS will not publicly report data averaged over four rolling quarters.
  - CMS will only report the most recent quarter of data, which we believe results in more meaningful, up-to-date information.

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Elizabeth Kalayil, MPH, Public Health Analyst, Lantana Consulting Group

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## **COVID-19 HCP Vaccination Measure in NHSN**

# Getting Started in NHSN

## Enrolling in NHSN

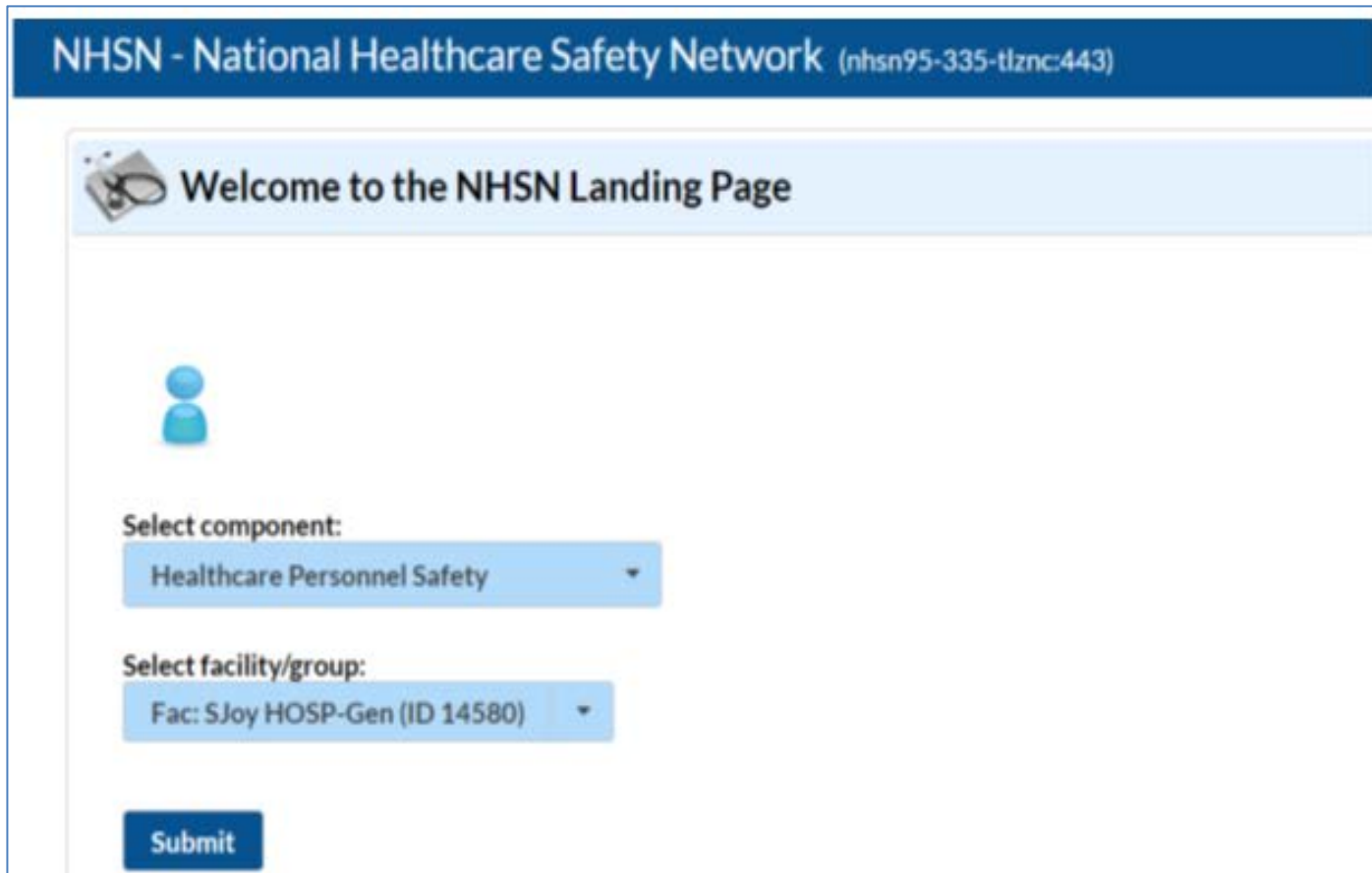
- Participating facilities must be enrolled in NHSN.
  - This usually takes at least 4–6 weeks.
  - During the enrollment process, facilities may choose to participate in any of the NHSN components.
  - <http://www.cdc.gov/nhsn/enrollment/index.html>

## Activating the HPS Component

- Facilities enrolled in NHSN that will be participating in the HPS component must activate the component in NHSN.
- <https://www.cdc.gov/nhsn/hps/index.html>


# NHSN Landing Page

Select the Healthcare Personnel Safety (HPS) Component.



NHSN - National Healthcare Safety Network (nhsn95-335-tlznc:443)

Welcome to the NHSN Landing Page



Select component:  
Healthcare Personnel Safety

Select facility/group:  
Fac: SJoy HOSP-Gen (ID 14580)

Submit

# HPS Home Page

- Select Vaccination Summary on the left-hand navigation bar.
- Select COVID-19 Weekly Vaccination Summary.

The screenshot displays the NHSN Healthcare Personnel Safety Component Home Page. On the left is a navigation bar with the following items: NHSN Home, Alerts, Reporting Plan, HCW, Lab Test, Exposure, Prophy/Treat, Import/Export, Vaccination Summary (highlighted with a red box), Surveys, and Analysis. The main content area features a header with a profile picture and the text 'NHSN Healthcare Personnel Safety Component Home Page'. Below this is an 'Action Items' section with a blue header and a sub-header 'COMPLETE THESE ITEMS'. A progress bar is shown for 'Confer Rights'. A dropdown menu is open under 'Vaccination Summary', listing 'Annual Vaccination Flu Summary', 'Weekly Flu Vaccination Summary', and 'COVID-19 Weekly Vaccination Summary' (highlighted with a red box).

# Calendar Week

Click on the week you wish to enter data.

◀ 📅 ▶ 26 July 2021 - 05 September 2021

Record Complete Record Incomplete

**Weekly Vaccination Calendar**

07/26/2021 (Monday) - 08/01/2021 (Sunday)


08/02/2021 (Monday) - 08/08/2021 (Sunday)

08/09/2021 (Monday) - 08/15/2021 (Sunday)

08/16/2021 (Monday) - 08/22/2021 (Sunday)

# Monthly Reporting Plan

- The plan collects data on which modules and months the facility plans to participate.
- The plan must be completed before entering data for that month.

 Form Approved  
OMB No. 0920-0866  
Exp. Date: 11/30/2021  
www.odc.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  
 Influenza Vaccination Summary for the Hospital  
 Influenza Vaccination Summary for the Inpatient Rehabilitation Facility Unit(s)  
 Influenza Vaccination Summary for the Inpatient Psychiatric Facility Unit(s)

**Weekly COVID-19 Vaccination Module**

COVID-19 Vaccination Summary  
 COVID-19 Vaccination Summary for the Hospital  
 COVID-19 Vaccination Summary for the Inpatient Rehabilitation Facility Unit(s)  
 COVID-19 Vaccination Summary for the Inpatient Psychiatric Facility Unit(s)



# Five Key Required Questions for Weekly Vaccination Reporting

1. What is the number of current HCPs?
2. What number of these HCP have **ever been** vaccinated (cumulative number vaccinated) with the COVID-19 vaccine?
3. What number of these HCPs have other conditions?
4. What is the number of HCP who have received a complete COVID-19 vaccine series **and** who are **eligible** to receive an **additional dose or booster**?
5. What is the number of HCP in Question 4 who have received an additional vaccine dose or booster since August 2021?

# Vaccination Summary Data

- Complete the required fields.
- Red asterisks indicate questions that must be completed.
- Use the tab key on a computer keyboard to move across columns.
- Enter 0 if no HCP are reported for a required field.

Healthcare Personnel COVID-19 Vaccination Cumulative Summary for Non-Long-Term Care Facilities						
Date Created: <input type="text"/>						
Facility ID # * : 10937		Location Type * : COVID-19 Vac <input type="text"/>				
Vaccination type * : COVID19			Facility CCN # : N/A			
Week of Data Collection: 08/30/2021 - 09/05/2021 Date Last Modified: <input type="text"/>						
Cumulative Vaccination Coverage						
Healthcare Personnel (HCP) Categories						
			Employee HCP	Non-Employee HCP		
	* All Core HCP <sup>a</sup>	* All HCP <sup>b</sup>	* Employees (staff on facility payroll) <sup>c</sup>	* Licensed independent practitioner HCP <sup>d</sup>	* Adult students/trainees and volunteers <sup>e</sup>	* Other contract personnel <sup>f</sup>
1. * Number of HCP that were eligible to have worked at this healthcare facility for at least 1 day during the week of data collection	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. * Cumulative number of HCP in Question #1 who have received COVID-19 vaccines at this facility or elsewhere since December 2020:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
* Any completed COVID-19 vaccine series	<input type="text"/>	<input type="text"/>	<input type="text"/> <ul style="list-style-type: none"> <li>PFIZBION - Pfizer-BioNTech COVID-19 vaccine</li> <li>MODERNA - Moderna COVID-19 vaccine</li> <li>JANSSEN - Janssen COVID-19 vaccine</li> <li>UNSPECIFIED - Unspecified manufacturer</li> </ul>			<input type="text"/>
3.1. * Medical contraindication reason to not receive COVID-19 vaccine	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.2. * Offered but declined COVID-19 vaccine	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.3. * Unknown COVID-19 vaccination status	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4. * Cumulative number of HCP in Question #2 eligible to receive an additional dose or booster of COVID-19 vaccine:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5. * Cumulative number of HCP in Question #4 who have received an additional dose or booster of COVID-19 vaccine at this facility or elsewhere since August 2021 :	<input type="text"/>	<input type="text"/>	<input type="text"/>			<input type="text"/>

# Denominator and Numerator Category Definitions

Review the Table of Instructions before collecting and entering data:

<https://www.cdc.gov/nhsn/hps/weekly-covid-vac/index.html>

Data Fields	Instructions for Completion
<b>All Core HCP</b>	This number is the sum of employees (staff on facility payroll), licensed independent practitioners (physicians, advanced practice nurses, & physician assistants) and adult students/trainees & volunteers. This field is auto-populated by NHSN.
<b>All HCP</b>	This number is the sum of employees (staff on facility payroll), licensed independent practitioners (physicians, advanced practice nurses, & physician assistants), adult students/trainees & volunteers, and other contract personnel. This field is auto-populated by NHSN.
<b>Employee HCP</b> (Staff on facility payroll)	<i>Required.</i> Defined as all persons receiving a direct paycheck from the healthcare facility (i.e., on the facility's payroll), regardless of clinical responsibility or patient contact.
<b>Non-Employee HCP</b> (Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants)	<i>Required.</i> 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

# Saving HCP COVID-19 Vaccination Measure Data

Click on the Save button at the bottom of the screen after entering data.

## Reminder for reporting to Vaccine Adverse Event Reporting System (VAERS)

Please note that clinically significant adverse events following COVID-19 vaccination should be reported to the Vaccine Adverse Event Reporting System (VAERS) at <https://vaers.hhs.gov/reportevent.html>. To help identify reports from NHSN sites, please enter your NHSN orgID in Box 26 of the VAERS form.

Clinically significant adverse events include vaccine administration errors and serious adverse events (such as death, life-threatening conditions, or inpatient hospitalization) that occur after vaccination, even if it is not certain that vaccination caused the event.

Other clinically significant adverse events may be described in the provider emergency use authorization (EUA) fact sheets or prescribing information for the COVID-19 vaccine(s). Healthcare providers should comply with VAERS reporting requirements described in EUAs or prescribing information.

Save

Cancel

# Tracking Worksheet

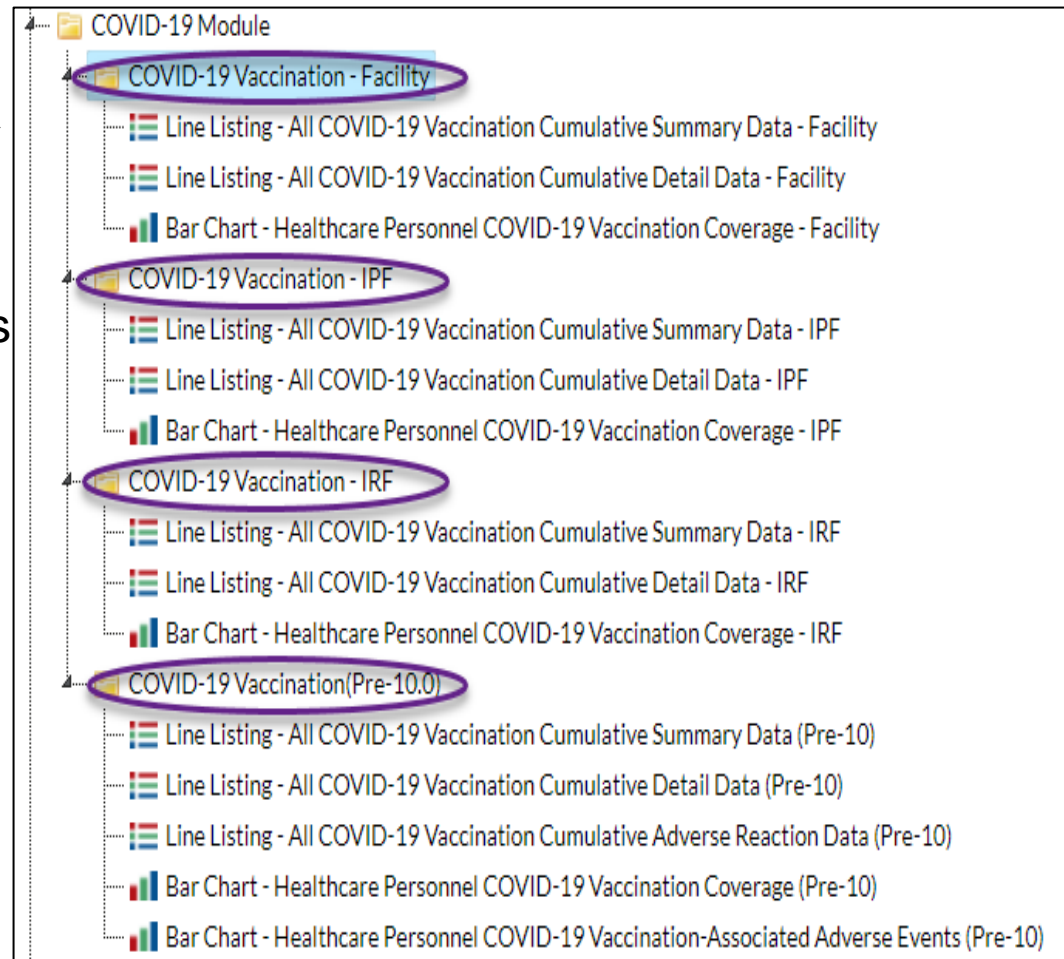
- This optional tool is in an Excel spreadsheet format.
- This tool auto-calculates answers to the vaccination data collection form: <https://www.cdc.gov/nhsn/hps/weekly-covid-vac/index.html>

Healthcare Personnel COVID-19 Vaccination Cumulative Summary for Non-Long-Term Care Facilities TRACKING WORKSHEET					*Facility ID#:			
					Vaccination type:		COVID_19	
					*First day of Reporting Week (Monday):		8/2/2021	
					Last day of the reporting week (Sunday):		8/8/2021	
*HCP Start of Employment Date (Enter Date)	HCP End of Employment Date (Enter Date)	HCP Last Name (Enter name)	HCP First Name (Enter name)	Unique HCP Identifier (Enter DOB, License #, etc.)	*Vaccinated with Dose 1 (Enter date of vaccination 1)	*Dose 1 Vaccine Manufacturer Name (choose from drop-down)	*Vaccinated with Dose 2 (Enter date of vaccination 2)	*Dose 2 Vaccine Manufacturer Name (choose from drop-down)

▶	READ THIS - Instructions	<b>TrackingWorksheet</b>	ReportingSummary	⊕
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# NHSN Analysis and Reporting

- Use the Analysis tool within NHSN to generate summary reports for facility data.
- Reports are in two folders:
  - COVID-19 Vaccination holds data after the September 2021 NHSN update.
  - COVID-19 Vaccination (Pre-10.0) holds data before the September 2021 NHSN update.



# NHSN Resources

Training materials include the following:

- Data collection forms
- Tables of instructions
- Tracking worksheets
- Training slides
- Analysis and reporting guides
- .CSV file resources

The screenshot shows the NHSN website interface. At the top, there is a breadcrumb trail: CDC > NHSN Home > Healthcare Personnel Safety Component (HPS). Social media icons for Facebook, Twitter, LinkedIn, and YouTube are visible in the top right. On the left side, there is a navigation menu with links: NHSN Home, NHSN Login, About NHSN (+), Enroll Facility Here (+), CMS Requirements (+), Change NHSN Facility Admin, and Resources by Facility (+). The main content area is titled "Weekly HCP COVID-19 Vaccination" and includes the sub-heading "Weekly COVID-19 Vaccination Data Reporting". Below this, it states: "Facilities can track weekly COVID-19 vaccination data for healthcare personnel (HCP) through NHSN." Under the "Training" section, there are three bullet points: "NHSN Quick Learn Demonstration: Reporting Weekly Cumulative COVID-19 Vaccination Data - May 2021" with sub-links for a "YouTube Link [Video - 21 min]" and a "Slideset [PDF - 1 MB]"; and "Reporting Weekly COVID-19 Vaccination Data - December 2020". On the right side, there is a light green box titled "Frequently Asked Questions" with the text "FAQs on Reporting COVID-19 Vaccination Data".

<https://www.cdc.gov/nhsn/hps/weekly-covid-vac/index.html>

# NHSN Questions

- User support: [nhsn@cdc.gov](mailto:nhsn@cdc.gov)
  - Write *Weekly COVID-19 Vaccination* in the subject line of the e-mail.
- For more information:
  - 1-800-CDC-INFO (232-4636)
  - TTY: 1-888-232-6348
  - [www.cdc.gov](http://www.cdc.gov)



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## **Closing Remarks**

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