COVID-19 Vaccination Coverage Among Health Care Personnel

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Agenda

Today's presentation will cover the following topics:

- Measure Overview
- Hospital Quality Reporting Program Requirements to include:
  - Hospital Inpatient Quality Reporting (IQR)
  - PPS-Exempt Cancer Hospital Quality Reporting (PCHQR)
  - Inpatient Psychiatric Facility Quality Reporting (IPFQR)
- National Healthcare Safety Network (NHSN)

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HCP COVID-19 Vaccination Measure Overview

Denominator

- The denominator is the number of health care personnel (HCP) eligible to work in the healthcare facility for at least one day during the reporting period, excluding persons with contraindications to 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

Acronyms

Numerator

The numerator is the cumulative number of HCP eligible to work in the health care 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.

Acronyms

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.

Healthcare Personnel Categories

- All Core HCP

  The sum of employees, licensed independent practitioners, and adult students/trainees and volunteers

- All HCP

  The sum of employees, licensed independent practitioners, and adult students/trainees and volunteers, and other contract personnel

Acronyms

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.

Acronyms

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HCP COVID-19 Vaccination Measure Hospital Quality Reporting Program Requirements

FY 2022 Final Rules

- CMS finalized the reporting of the HCP COVID-19 Vaccination measure for the following programs, as well as additional post-acute care settings:
  - Hospital Inpatient Quality Reporting (IQR)
  - PPS-Exempt Cancer Hospital Quality Reporting (PCHQR)
  - Inpatient Psychiatric Facilities Quality Reporting (IPFQR)
- CMS has proposed this measure for the Hospital Outpatient Quality Reporting (OQR) and Ambulatory Surgical Center (ASC) Reporting Programs

Acronyms   11

Reporting Requirements

- Begin reporting the HCP COVID-19 Vaccination measure beginning October 1, 2021.

  o CMS is proposing the same requirements for the Hospital OQR and ASC Programs with the exception that the reporting period would begin on January 1, 2022.

- Beginning with the calendar year (CY) 2022 reporting period/fiscal year 2024 payment determination, CMS finalized the reporting of all four quarters.

Data Submission

- To report this measure, CMS finalized that hospitals would collect the numerator and denominator for the HCP COVID-19 Vaccination measure for at least one self-selected week during each month of the reporting quarter and submit the data to the NHSN Healthcare Personnel Safety (HPS) Component before the quarterly deadline to meet quality reporting program requirements.
  - o CMS and the CDC encourage weekly reporting of the data.
- Hospitals will only be required to submit by the quarterly submission deadline.
  - o For example, for the quarter (Q)4 2021 reporting period, hospitals will be required to submit all three months worth of data by the May 16, 2022, submission deadline.
- The hospital meets submission requirements if the CDC can calculate a quarterly rate.

Data Submission (continued)

- CMS typically allows four-and-a-half 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 them for accuracy and make necessary corrections.

- Data can be modified in NHSN at any time. Data that are modified in NHSN after the submission deadline are not sent to CMS and will not be used in CMS programs.

Acronyms

IQR, PCH, and IPF Quality Reporting CY 2021 and 2022 Submission Deadlines

Discharge Quarter	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 16, 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 HCP COVID-19 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.

Acronyms

HQR Secure Portal Feedback Reports

Under Program Reporting:

- Reporting Requirements:
  Provider Participation Report

- Performance Reports:
  Facility, State, and National Report

Note: The HQR feedback reports are not updated in real time. The CDC transmits this data to CMS periodically during the submission period and immediately following the quarterly submission deadline.

Acronyms

Care Compare

With adoption of this new measure, public reporting will begin with the October 2022 Care Compare refresh, or as soon as technically feasible, using data collected from Q4 2021 (October 1, 2021, through December 31, 2021).

- We will only report the most recent quarter of data in each refresh.

- We will not add one additional quarter of data during each advancing refresh (i.e., each refresh will not display four rolling quarters of data).

Hospital Quality Reporting Program Resources and Questions

- Quality Reporting Center: https://www.qualityreportingcenter.com/

- QualityNet: https://qualitynet.cms.gov/

- Inpatient Value, Incentives, and Quality Reporting Outreach and Education Support Team:

  - https://cmsqualitysupport.servicenowservices.com/qnet_qa

  - (844) 472-4477

Federal Register Citations

- Hospital IQR: 86 FR 45374

- PCH: 86 FR 45426

- IPF: 86 FR 42633

- OQR: 86 FR 42238

- ASC: 86 FR 42266

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HCP COVID-19 Vaccination Measure in NHSN

Getting Started in NHSN

Enrolling in NHSN
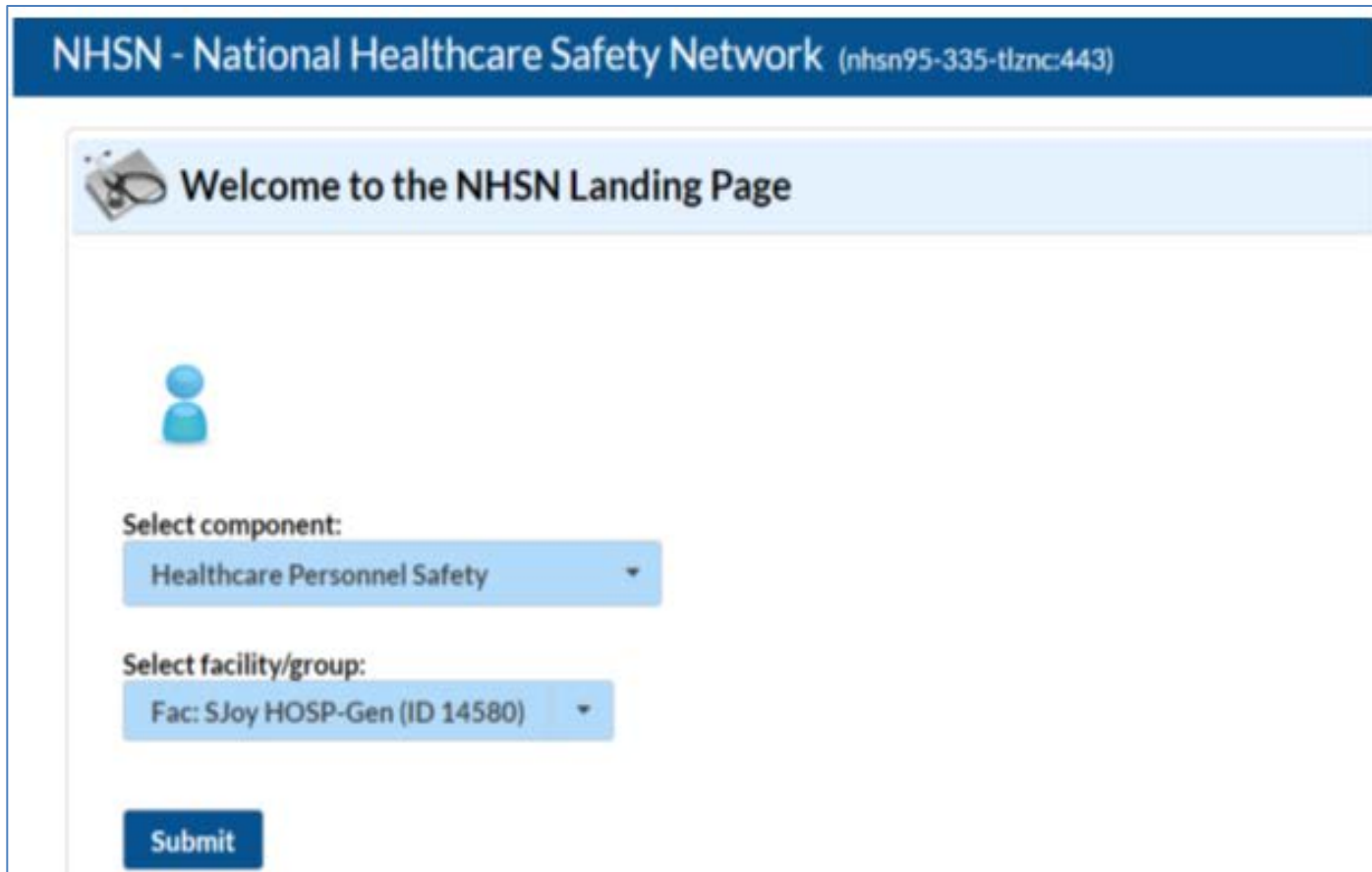
- Facilities not participating in NHSN that will be participating must enroll their facility in NHSN.

  o This usually takes at least 4–6 weeks.

  o During the enrollment process, facilities may choose to participate in any of the NHSN components.

  o 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

Acronyms

NHSN Landing Page

Select the Healthcare Personnel Safety (HPS) Component.

HPS Home Page

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

Calendar Week

Click on the week you wish to enter data.

Acronyms   25

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.

- Inpatient Psychiatric Facilities with a different CMS Certification Number (CCN) should report separately from the acute care facility.

Five Key Required Questions for Weekly Vaccination Reporting

1. Number of current HCPs?

2. Number of these HCP who have **ever been** vaccinated (cumulative number vaccinated) with COVID-19 vaccine?

3. Number of these HCPs with other conditions?

4. Number of HCP who have received a complete COVID-19 vaccine series **and** who are **eligible** to receive an **additional dose or booster**?

5. Number of HCP in question 4 who have received an additional vaccine dose or booster since August 2021?

Acronyms

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: _____
Facility ID # *: 10937   Location Type *: COVID-19 Vac
Vaccination type *: COVID19   Facility CCN #: N/A
Week of Data Collection: 08/30/2021 - 09/05/2021   Date Last Modified: _____

Cumulative Vaccination Coverage

Healthcare Personnel (HCP) Categories

			Employee HCP	Non-Employee HCP		
	*All Core HCP[a]	*All HCP[b]	* Employees (staff on facility payroll)[c]	* Licensed independent practitioner HCP[d]	* Adult students/trainees and volunteers[e]	* Other contract personnel[f]
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						
	*All Core HCP[a]	*All HCP[b]	* Employees (staff on facility payroll)[c]	* Licensed independent practitioner HCP[d]	* Adult students/trainees and volunteers[e]	* Other contract personnel[f]
2. *Cumulative number of HCP in Question #1 who have received COVID-19 vaccines at this facility or elsewhere since December 2020:						
* Any completed COVID-19 vaccine series						

Dropdown:
PFIZBION - Pfizer-BioNTech COVID-19 vaccine
MODERNA - Moderna COVID-19 vaccine
JANSSEN - Janssen COVID-19 vaccine
UNSPECIFIED - Unspecified manufacturer

	*All Core HCP[a]	*All H...	...dult s/trainees ...unteers[e]	* Other contract personnel[f]
3.1. *Medical contraindication reason to not receive COVID-19 vaccine				
3.2. * Offered but declined COVID-19 vaccine				
3.3. * Unknown COVID-19 vaccination status				
4. *Cumulative number of HCP in Question #2 eligible to receive an additional dose or booster of COVID-19 vaccine:				
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 :				

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
All Core HCP	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.
All HCP	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.
Employee HCP (Staff on facility payroll)	*Required.* 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.
Non-Employee HCP (Licensed independent practitioners: Physicians, advanced practice nurses, & physician assistants)	*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

Saving HCP COVID-19 Vaccination 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

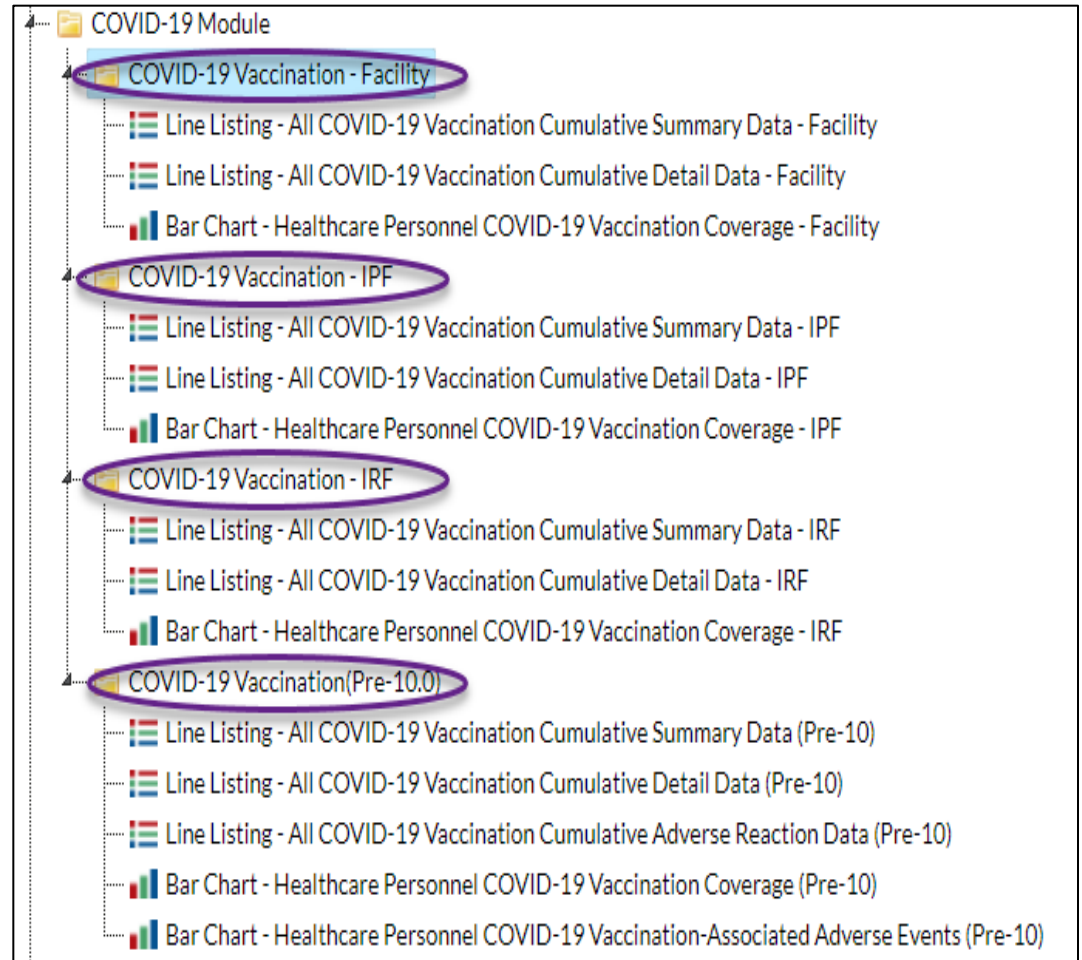|								
Healthcare Personnel COVID-19 Vaccination Cumulative Summary for Non-Long-Term Care Facilities **TRACKING WORKSHEET**					*Facility ID#:			
					Vaccination type:			COVID_19
					*First day of Reporting Week (Monday):			8/2/2021
					Last day of the reporting week (Sunday):			8/8/2021
*HCP 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   **TrackingWorksheet**   ReportingSummary   ⊕

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.
- Free-standing IPFs: Click COVID-19 Module and COVID-19 Vaccination-Facility.
- IPF units within other facilities: Click on COVID-19 Module and COVID-19 Vaccination-IPF.

COVID-19 Module
- **COVID-19 Vaccination - Facility**
  - Line Listing - All COVID-19 Vaccination Cumulative Summary Data - Facility
  - Line Listing - All COVID-19 Vaccination Cumulative Detail Data - Facility
  - Bar Chart - Healthcare Personnel COVID-19 Vaccination Coverage - Facility
- **COVID-19 Vaccination - IPF**
  - Line Listing - All COVID-19 Vaccination Cumulative Summary Data - IPF
  - Line Listing - All COVID-19 Vaccination Cumulative Detail Data - IPF
  - Bar Chart - Healthcare Personnel COVID-19 Vaccination Coverage - IPF
- **COVID-19 Vaccination - IRF**
  - Line Listing - All COVID-19 Vaccination Cumulative Summary Data - IRF
  - Line Listing - All COVID-19 Vaccination Cumulative Detail Data - IRF
  - Bar Chart - Healthcare Personnel COVID-19 Vaccination Coverage - IRF
- **COVID-19 Vaccination(Pre-10.0)**
  - Line Listing - All COVID-19 Vaccination Cumulative Summary Data (Pre-10)
  - Line Listing - All COVID-19 Vaccination Cumulative Detail Data (Pre-10)
  - Line Listing - All COVID-19 Vaccination Cumulative Adverse Reaction Data (Pre-10)
  - Bar Chart - Healthcare Personnel COVID-19 Vaccination Coverage (Pre-10)
  - Bar Chart - Healthcare Personnel COVID-19 Vaccination-Associated Adverse Events (Pre-10)

Acronyms

NHSN Resources

Training materials include:

- Data collection forms
- Tables of instructions
- Tracking worksheets

- Training slides
- Analysis and reporting guides
- .CSV file resources

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

Acronyms

NHSN Questions

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

Questions

Acronyms and Abbreviations

CCN	CMS Certification Number	**HQR**	Hospital Quality Reporting
CCSQ	Center for Clinical Standards and Quality	**IPF**	Inpatient Psychiatric Facility
CDC	Centers for Disease Control and Prevention	**IQR**	Inpatient Quality Reporting
CMS	Centers for Medicare & Medicaid Services	**MD**	Medical Doctor
CY	calendar year	**NHSN**	National Healthcare Safety Network
DO	Doctor of Osteopathic Medicine	**OQR**	Outpatient Quality Reporting
FR	*Federal Register*	**PCH**	Prospective Payment System-Exempt Cancer Hospital
FY	Fiscal Year	**PRN**	pro re neta "as the need arises'
HCP	Healthcare Personnel	**Q**	quarter
HHS	Health and Human Services	**QMVIG**	Quality Measurement and Value-Based Incentives Group
HPS	Healthcare Personnel Safety	**VBP**	value-based purchasing

Thank you

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