



# Quick Learn Demonstration: Reporting Weekly Cumulative COVID-19 Vaccination Data

Division of Healthcare Quality Promotion

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# Objectives

- Ensure NHSN facilities can confidently report cumulative COVID-19 vaccination data
- By the end of this Quick Learn, you will be able to:
  - Define cumulative data
  - Explain the difference between cumulative and incident data
  - Calculate cumulative COVID-19 vaccination data
  - Enter cumulative COVID-19 vaccination data into the NHSN application


# Intended Audience

- NHSN users who enter COVID-19 vaccination data
- COVID-19 Vaccination Modules:
  - Residents in long-term care (LTC) facilities
  - Healthcare personnel (HCP) in LTC facilities
  - HCP in non-LTC facilities (e.g., hospitals)
  - Patients in outpatient dialysis facilities



# Cumulative Vaccination Data: Overview

# Cumulative versus Incident Vaccination Data

- **Cumulative vaccination data** are the **total number** of individuals who have **ever received** COVID-19 vaccine since it became available in December 2020
  - **Incident vaccination data** are the number of **new** individuals who received COVID-19 vaccine in a specific week
-  **Incident data are not used for reporting COVID-19 vaccination data in NHSN!**

# Reporting Cumulative Vaccination Data

Cumulative vaccination data are reported in Question 2 of the NHSN COVID-19 Vaccination Modules:

2. **Cumulative number** of individuals in Question #1 who have received COVID-19 vaccine(s) at this facility or elsewhere

So, the **cumulative number** of individuals are **ALL** those who have been vaccinated (not just those vaccinated during the reporting week).

- Slide 19 has links to other training resources
- Slide 20 has additional information about completing required questions for the COVID-19 Vaccination Modules

# Cumulative Vaccination Data: Example

- 1<sup>st</sup> week: **5** individuals receive dose 1 of *Moderna* COVID-19 vaccine
  - The **cumulative** number of individuals who received dose 1 of *Moderna* COVID-19 vaccine = **5**
- 2<sup>nd</sup> week: **5 more** individuals receive dose 1 of *Moderna* COVID-19 vaccine
  - The **cumulative** number of individuals receiving dose 1 of *Moderna* COVID-19 vaccine = **10**
  - Explanation: 5 individuals vaccinated the 1st week + 5 individuals vaccinated the 2nd week = **10**

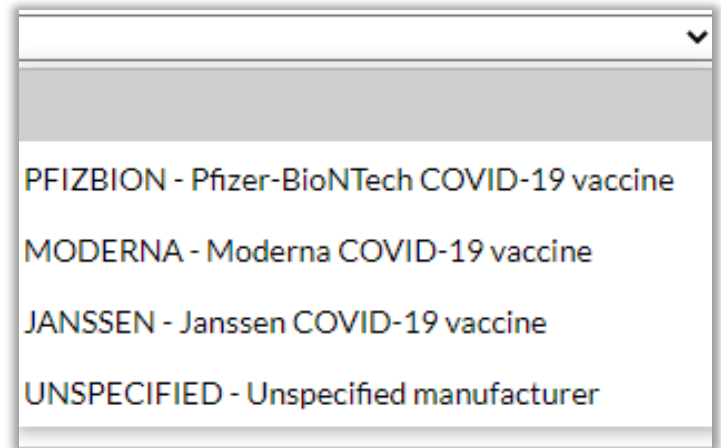
# Reporting Cumulative Vaccination Data: Completing Question 2



## Question #2: Individuals\* receiving COVID-19 vaccine

**Required:** Report the cumulative number of total vaccinated individuals

- **First:** Select a COVID-19 vaccine from the drop-down box
  - *Pfizer-BioNTech*
  - *Moderna*
  - *Janssen*
  - *Complete COVID-19 vaccination series:  
Unspecified manufacturer*



\*Individuals may be healthcare personnel, LTCF residents, or dialysis patients, depending on which NHSN module is being used.

## Question #2: Individuals receiving COVID-19 vaccine (continued)

**Required:** Report the cumulative number of total vaccinated individuals

- **Second:** Enter cumulative number of individuals who have ever received only dose 1 of the COVID-19 vaccine since it became available in December 2020
- **Third:** Enter cumulative number of individuals who have ever received dose 1 and dose 2 of the COVID-19 vaccine since it became available in December 2020

**Please enter the cumulative number individuals receiving COVID-19 vaccine at the facility or outside the facility (for example, a local pharmacy or hospital)**

# Reporting Cumulative Vaccination Data: Examples

## Question #2: Simple Example

### ■ Data Collected

- Last month, **20** individuals received dose 1 of the *Pfizer-BioNTech* vaccine
- For this week, **2** of these 20 individuals receive dose 2 of the *Pfizer-BioNTech* vaccine

### ■ NHSN Reporting

- **18** individuals would still be reported as receiving only dose 1 of *Pfizer-BioNTech* vaccine
- **2** individuals who have now received dose 2 of *Pfizer-BioNTech* vaccine would be reported as receiving dose 1 and dose 2

PFIZBION - Pfizer-BioNTech COVID-19 vaccine ▼	
🗑️ 2.1 * Only dose 1 of Pfizer-BioNTech COVID-19 vaccine	18
🗑️ 2.2 * Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine	2

## Question #2: Detailed Example

- Week 1: 50 individuals in facility: 10 received 1<sup>st</sup> vaccine dose; 5 received 2<sup>nd</sup> vaccine dose

	Week 1	Week 2	Week 3
1. Number of individuals working in or receiving care at the facility for at least 1 day during the week of data collection	50		
2.1. Cumulative number of individuals in question #1 who received <u>only</u> dose 1 of <i>Pfizer-BioNTech</i> COVID-19 vaccine	10		
2.2. Cumulative number of individuals in question #1 who received dose 1 <u>and</u> dose 2 of <i>Pfizer-BioNTech</i> COVID-19 vaccine	5		

## Question #2: Detailed Example (continued)

- Week 1: 50 individuals: 10 received 1<sup>st</sup> vaccine dose; 5 received 2<sup>nd</sup> vaccine dose
- Week 2: **5** more individuals received 1<sup>st</sup> dose

	Week 1	Week 2	Week 3
1. Number of individuals working in or receiving care at the facility for at least 1 day during the week of data collection	50	50	
2.1. Cumulative number of individuals in question #1 who received <u>only</u> dose 1 of <i>Pfizer-BioNTech</i> COVID-19 vaccine	10	(10+5) 15	
2.2. Cumulative number of individuals in question #1 who received dose 1 <u>and</u> dose 2 of <i>Pfizer-BioNTech</i> COVID-19 vaccine	5	5	

## Question #2: Detailed Example - Let's Discuss!

- Week 1: 50 individuals: 10 received 1<sup>st</sup> vaccine dose; 5 received 2<sup>nd</sup> vaccine dose
- Week 2: 5 more individuals received 1<sup>st</sup> dose
- Week 3: **3** more individuals received 1<sup>st</sup> dose; **10** individuals received 2<sup>nd</sup> dose

	Week 1	Week 2	Week 3
1. Number of individuals working in or receiving care at the facility for at least 1 day during the week of data collection	50	50	50
<b>2.1. Cumulative number of individuals in question #1 who received <u>only</u> dose 1 of <i>Pfizer-BioNTech</i> COVID-19 vaccine</b>	10	15	$(15+3-10)$ 8
2.2. Cumulative number of individuals in question #1 who received dose 1 <u>and</u> dose 2 of <i>Pfizer-BioNTech</i> COVID-19 vaccine	5	5	

## Question #2: Detailed Example - Let's Discuss! (cont.)

- Week 1: 50 individuals: 10 received 1<sup>st</sup> vaccine dose; 5 received 2<sup>nd</sup> vaccine dose
- Week 2: 5 more individuals received 1<sup>st</sup> dose
- Week 3: **3** more individuals received 1<sup>st</sup> dose; **10** individuals received 2<sup>nd</sup> dose

	Week 1	Week 2	Week 3
1. Number of individuals working in or receiving care at the facility for at least 1 day during the week of data collection	50	50	50
2.1. Cumulative number of individuals in question #1 who received <u>only</u> dose 1 of <i>Pfizer-BioNTech</i> COVID-19 vaccine	10	15	(15+3-10) 8
<b>2.2. Cumulative number of individuals in question #1 who received dose 1 <u>and</u> dose 2 of <i>Pfizer-BioNTech</i> COVID-19 vaccine</b>	5	5	(5+10) <b>15</b>



# Live Demonstration

- Let's look at a live demonstration in the NHSN application

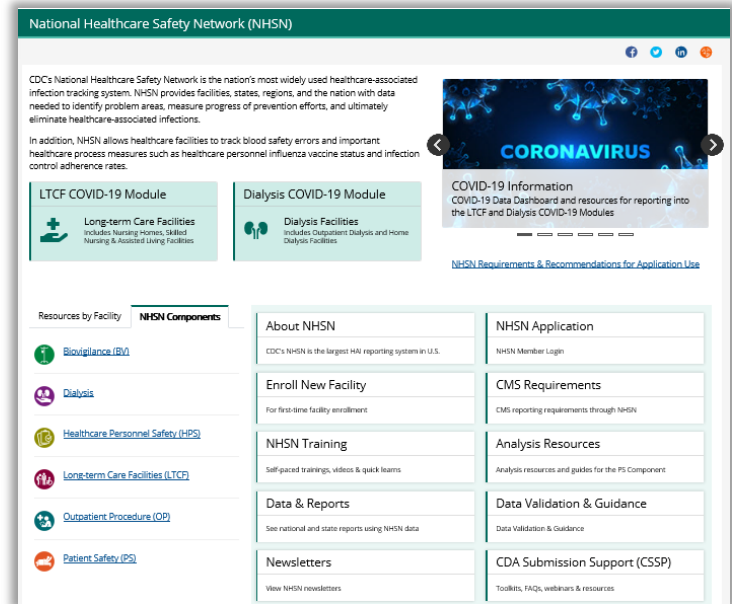
**Note:** The example facility used in the NHSN application demonstration is a LTCF. COVID-19 vaccination data are entered for healthcare personnel.

**However,** the same cumulative data reporting should be used when entering COVID-19 vaccination data for LTCF residents, non-LTCF healthcare personnel, and dialysis patients.

# Resources

# Resource: NHSN Website

- Access training materials:
  - Data collection forms
  - Tables of instructions
  - Training slides
  - Analysis and reporting guides
  - Tracking worksheets



**LTCF (HCP and Residents):**

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

**Non-LTCF (HCP):** <https://www.cdc.gov/nhsn/hps/weekly-covid-vac/index.html>

**Dialysis Patients:** <https://www.cdc.gov/nhsn/dialysis/pt-covid-vac/index.html>

# Reminder: Required Fields

- Required fields for completing weekly cumulative COVID-19 vaccination data are noted by an asterisk(\*) and a red box in the NHSN application
  - **These are the only fields that need to be completed to save the record**
- Required fields are explained in detail in the Tables of Instructions:
  - LTCF Residents: <https://www.cdc.gov/nhsn/forms/instr/57.218-toi-508.pdf>
  - LTCF HCP: <https://www.cdc.gov/nhsn/forms/instr/57.219-toi-508.pdf>
  - Non-LTCF HCP: <https://www.cdc.gov/nhsn/forms/instr/57.220-toi-508.pdf>
  - Dialysis Patients: <https://www.cdc.gov/nhsn/forms/instr/57.509-toi-508.pdf>

# Questions or Need Help?

E-mail user support at: [NHSN@cdc.gov](mailto:NHSN@cdc.gov)

**Subject Line: Please write ‘*Weekly Cumulative COVID-19 Vaccination*’  
for a faster reply**

For more information, contact CDC  
1-800-CDC-INFO (232-4636)  
TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

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