Shop Talk Office Hours: NHSN Updates & Technical Assistance

Welcome!

• All lines are muted, so please ask your questions in Q&A.
• For technical issues, initiate a chat with the Technical Support panelist.
• Please actively participate in polling questions that will appear on the lower right-hand side of your screen.

Presented By:
Marilee Johnson, MBA, MT (ASCP)
Infection Prevention Technical Advisor

December 16, 2021
Marilee Johnson, MBA, MT (ASCP)

INFECTION PREVENTION TECHNICAL ADVISOR

Marilee is a health professional with experience in public health epidemiology, infection prevention and clinical microbiology. Recently, she worked with the CDC’s National Healthcare Safety Network to reduce *C. difficile* infections in nursing home residents. She supports nursing homes with tracking and reporting infections in NHSN and focuses on strategies to reduce health-acquired infections across all patient care settings.

Marilee loves gardening, hiking, reading, yoga and spending time with her family and friends.

Contact: marilee.johnson@allianthealth.org
Amy Ward, MS, BSN, RN, CIC

INFECTION PREVENTION SPECIALIST

Amy is a registered nurse with a diverse background in acute care nursing, microbiology, epidemiology and infection control. She is passionate about leading and mentoring new and future infection preventionists in their career paths and assisting them in reducing health care-associated infections across the continuum of care.

Amy enjoys spending time with family. She loves all the time she can get outdoors camping, bicycling and running.

Contact: Amy.Ward@AlliantHealth.org
Objectives

Learn Today:

• Review definitions for reporting declinations and boosters.
• How to generate a NHSN analysis report.
• How to check your NHSN data for timeliness and accuracy.

Use Tomorrow:

• Confirm your data submissions are on time.
• Verify your data submissions are accurate.
• Use your NHSN data for action and quality improvement.
Question & Answer

Reference: FAQs on Reporting COVID-19 Vaccination Data | NHSN | CDC
Question: Where Do You Record HCP Who Declined the COVID-19 Vaccination?

<table>
<thead>
<tr>
<th>Cumulative Vaccination Coverage</th>
<th>Healthcare Personnel (HCP) Categories</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All Core HCP</td>
</tr>
<tr>
<td>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</td>
<td>Employee HCP</td>
</tr>
<tr>
<td></td>
<td>Employees (staff on facility payroll)</td>
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<tr>
<td>3. Cumulative number of HCP in Question #1 with other conditions:</td>
<td></td>
</tr>
<tr>
<td>3.1 *Medical contraindication or exclusion to COVID-19 vaccine</td>
<td></td>
</tr>
<tr>
<td>3.2. *Offered but declined COVID-19 vaccine</td>
<td></td>
</tr>
<tr>
<td>3.3. *Unknown COVID-19 vaccination status</td>
<td></td>
</tr>
</tbody>
</table>
Question: Where Do You Record HCP Who Declined the COVID-19 Vaccination?

Answer: Offered but declined COVID-19 vaccine
Question: Where Do You Record HCP Who Provides Documentation of Religious Exemption?

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Answer: Offered but declined COVID-19 vaccine

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<tr>
<td></td>
<td>All HCP</td>
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<tr>
<td></td>
<td>Employee HCP</td>
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<tr>
<td></td>
<td>Non-Employee HCP</td>
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<td></td>
<td>Employees (staff on facility payroll)</td>
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<tr>
<td></td>
<td>Licensed independent practitioners:</td>
</tr>
<tr>
<td></td>
<td>Physicians, advanced practice nurses,</td>
</tr>
<tr>
<td></td>
<td>&amp; physician assistants</td>
</tr>
<tr>
<td></td>
<td>Adult students/trainees &amp; volunteers</td>
</tr>
<tr>
<td></td>
<td>Other Contract Personnel</td>
</tr>
</tbody>
</table>

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

3. Cumulative number of HCP in Question #1 with other conditions:
   3.1 *Medical contraindication or exclusion to COVID-19 vaccine
   3.2 *Offered but declined COVID-19 vaccine
   3.3 *Unlikely to receive COVID-19 vaccination
3.1. Medical Contraindications to the COVID-19 Vaccine

Medical contraindications include severe allergic reaction (e.g., anaphylaxis) after a previous dose or to a component of the COVID-19 vaccine. See the most up-to-date list of recommendations and contraindications here (updated on December 10, 2021):


Questions about safety and risk assessments:

For the purpose of NHSN COVID-19 vaccination surveillance, philosophical, religious or other reasons for declining a COVID-19 vaccine that is not listed in the Interim Clinical Considerations for Use of COVID-19 Vaccines Currently Approved or Authorized in the United States are not considered medical contraindications. Instead, report these under question 3.2 (“Offered but declined COVID-19 vaccine”).
3.2 Offered but Declined

The following residents should be counted in this category:

• Residents declining vaccination because of health conditions that are not considered acceptable medical contraindications to the COVID-19 vaccine.
• Residents declining vaccination because of religious or philosophical objection.
• Residents declining vaccination and who did not provide any information about the reason why they declined.
• Residents declining vaccination for reasons other than an acceptable medical contraindication to the COVID-19 vaccine, or those who did not provide any information about the reason why they declined.

Please review case definitions on a regular basis:

FAQs on Reporting COVID-19 Vaccination Data | NHSN | CDC
Question: How To Count Staff/Residents Who Received the First Dose but Had a Severe Allergic Reaction and Did Not Take the Second Dose (Moderna or Pfizer.)

<table>
<thead>
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<tbody>
<tr>
<td>Healthcare Personnel (HCP) Categories</td>
</tr>
<tr>
<td>All Core HCP *</td>
</tr>
<tr>
<td>&quot;Employees (staff on facility payroll)&quot;</td>
</tr>
</tbody>
</table>

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

2. Cumulative number of HCP in Question #1 who have received COVID-19 vaccine(s) at this facility or elsewhere since December 2020:

2.1. *Only dose 1 of Pfizer-BioNTech COVID-19 vaccine

2.2. *Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine

2.3. *Only dose 1 of Moderna primary COVID-19 vaccine

2.4. *Dose 1 and dose 2 of Moderna COVID-19 vaccine

3. Cumulative number of HCP in Question #1 with other conditions:

3.1. *Medical contraindication or exclusion to COVID-19 vaccine

3.2. *Offered but declined COVID-19 vaccine

3.3. *Unknown COVID-19 vaccination status
Question: How To Count Staff/Residents Who Received the First Dose but Had a Severe Allergic Reaction and Did Not Take the Second Dose (Moderna or Pfizer.)

Answer: Change the category for the individual to 3.1 Medical contraindication.
Question: An Individual Received the First Dose of a COVID-19 Vaccine but Declined the Second Dose. How Should We Categorize This Individual?

<table>
<thead>
<tr>
<th>Cumulative Vaccination Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Healthcare Personnel (HCP) Categories</strong></td>
</tr>
<tr>
<td><strong>All Core HCP</strong></td>
</tr>
<tr>
<td><strong>&amp;</strong></td>
</tr>
<tr>
<td><em>Employees (staff on facility payroll)</em></td>
</tr>
<tr>
<td>1. <em>Number of HCP that were eligible to have worked at this healthcare facility for at least 1 day during the week of data collection</em></td>
</tr>
<tr>
<td>2. <em>Cumulative number of HCP in Question #1 who have received COVID-19 vaccine(s) at this facility or elsewhere since December 2020</em></td>
</tr>
<tr>
<td>2.1. <em>Only dose 1 of Pfizer-BioNTech COVID-19 vaccine</em></td>
</tr>
<tr>
<td>2.2. <em>Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine</em></td>
</tr>
<tr>
<td>2.3. <em>Only dose 1 of Moderna primary COVID-19 vaccine</em></td>
</tr>
<tr>
<td>2.4. <em>Dose 1 and dose 2 of Moderna COVID-19 vaccine</em></td>
</tr>
</tbody>
</table>

3. **Cumulative number of HCP in Question #1 with other conditions:**

3.1. *Medical contraindication or exclusion to COVID-19 vaccine*

3.2. *Offered but declined COVID-19 vaccine*

3.3. *Other COVID-19 vaccination status*
Question: An Individual Received the First Dose of a COVID-19 Vaccine but Declined the Second Dose. How Should We Categorize This Individual?

Answer: The individual should be counted only as receiving the first dose. They should not be counted as declining the vaccine. The individual should only be counted in question 3.2 if they declined to receive any vaccine doses.
Question: Does the Green Color Indicate That I Reported Data on Time?
Question: Does the Green Color Indicate That I Reported Data on Time?

Answer: No. The green color indicates that you reported, but not necessarily that you reported on time.

Look at the summary report and review “Date Created.” This is the date submitted. In this example, the facility submitted data on 12/4 for 12/02. You can also export the CSV file to review your data for accuracy but NOT for the date created/submitted. You can generate an analysis report to determine the dates submitted.
Question: Does the Green Color Indicate That I Reported Data on Time?

Answer: No. The green color indicates that you reported your data, but not the date you reported or that it was on time.

Look at the summary report and review “Date Created.” This is the date submitted. In this example, the facility submitted the data on 12/7 for the week of 11/22. You can also generate an analysis report.
Generate a Report in NHSN
(to verify your data)
COVID-19 Vaccine Summary Report - Residents

Four basic steps:
• Select Analysis tab and generate new data sets
• Select the report
• Modify the display variables and report type.
• Run the report and review
1. Select the Analysis tab > Generate Data Sets. Then click on Generate Reporting Data Sets.
Select Reports

2. Click Analysis > Reports. Then click on the COVID-19 Module folder > COVID-19 Vaccination > Select **Line Listing – All COVID-19 Vaccination Cumulative Summary Data - Resident**
Modify the Report

3. Select **Modify** Report
Select Display Variables Tab

Be sure to uncheck **Show descriptive variable names.**

Select the **Display Variables** tab. Then, click on each of the following variables and click **Selected** to move them to the selected variable on the right.
List of Selected Display Variables

Ensure all the display variables have been added to the selected side on the right.

<table>
<thead>
<tr>
<th>Selected Variables:</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Selected</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Selected</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>All</td>
</tr>
<tr>
<td>numResDec</td>
</tr>
<tr>
<td>numResUnk</td>
</tr>
<tr>
<td>numResConfC19</td>
</tr>
<tr>
<td>vaccProviderRes</td>
</tr>
<tr>
<td>vaccSuffSupplyOfferRes</td>
</tr>
<tr>
<td>vaccOthSuffSupplyOfferRes</td>
</tr>
<tr>
<td>vaccSupplyIssueRes</td>
</tr>
<tr>
<td>pctAllVacc</td>
</tr>
<tr>
<td>pctVaccPartial</td>
</tr>
<tr>
<td>pctAllVaccNoDec</td>
</tr>
<tr>
<td>createDate</td>
</tr>
<tr>
<td>modifyDate</td>
</tr>
<tr>
<td>numAllResEligAddtlDose</td>
</tr>
<tr>
<td>pctAllAddtlDose</td>
</tr>
<tr>
<td>totAllResAddtlDose</td>
</tr>
</tbody>
</table>
Modify the Report (cont.)

Select the Title/Format tab. Click on the XLS option to create an Excel spreadsheet.
Run the Report

After you have modified the report, click **Run**.
The report will download at the bottom left-hand side of your screen as a CSV file. Open the file and save it as an Excel workbook. Then, save it to a folder where you can find it later.
Generate a Vaccine Report for Health Care Personnel - HCP

Instructions are the same, except:
Select Line Listing-All Covid-19 Vaccination Cumulative Summary Data- HCP and the following display variables:

**Display Variables for the HCP (Health Care Personnel) Report**

1. createDate
2. modifyDate
3. pctAllAddtlIDose
4. sumAllHCPEligAddtlIDose
5. totSumAllVaccAddtlIDose
## Summary of Additional Display Fields

<table>
<thead>
<tr>
<th>HCP (Health Care Personnel)</th>
<th>Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. createDate</td>
<td>1. createDate</td>
</tr>
<tr>
<td>2. modifyDate</td>
<td>2. modifyDate</td>
</tr>
<tr>
<td>3. pctAllAddtlDose</td>
<td>3. numAllResEligAddtlDose</td>
</tr>
<tr>
<td>4. sumAllHCPEligAddtlDose</td>
<td>4. pctAllAddtlDose</td>
</tr>
<tr>
<td>5. totSumAllVaccAddtlDose</td>
<td>5. totAllResAddtlDose</td>
</tr>
</tbody>
</table>

Disclaimer: NHSN changes/adds fields regularly. This information may change.
Use This Data for ACTION

Check your dates to ensure you reported within seven days from prior week.

Ensure the data submitted to NHSN is correct. For example, this facility shows zero staff have completed the vaccine and from 94% vaccinated to zero.
Remember To Submit Cumulative Numbers

This facility incorrectly reported the number of residents who received the booster.

Review your data for accuracy each week.

<table>
<thead>
<tr>
<th>Number of residents in question #2 that are eligible to receive an additional dose of COVID-19 vaccine</th>
<th>Number of residents in question 4 who have received an additional dose of COVID-19 vaccine since August 2021</th>
<th>Percentage of all eligible individuals who have received an additional dose of COVID-19 vaccine</th>
<th>Create Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>54</td>
<td>0</td>
<td>05OCT2021</td>
</tr>
<tr>
<td>10</td>
<td>54</td>
<td>0</td>
<td>12OCT2021</td>
</tr>
<tr>
<td>10</td>
<td>54</td>
<td>0</td>
<td>19OCT2021</td>
</tr>
<tr>
<td>88</td>
<td>58</td>
<td>46</td>
<td>26OCT2021</td>
</tr>
<tr>
<td>10</td>
<td>0</td>
<td>0</td>
<td>02NOV2021</td>
</tr>
</tbody>
</table>

??
Review Booster Data in NHSN for Accuracy

Eligibility for booster - As of 12/8/21:

Everyone Ages 18 and Older Should Get a Booster Shot

**IF YOU RECEIVED**

Pfizer-BioNTech or Moderna

Who should get a booster:
Everyone 18 years or older

When to get a booster:
At least 6 months after completing your primary COVID-19 vaccination series.

Which booster should you get?
Any of the COVID-19 vaccines authorized in the United States.

**IF YOU RECEIVED**

Johnson & Johnson’s Janssen

Who should get a booster:
Everyone 18 years or older

When to get a booster:
At least 2 months after completing your primary COVID-19 vaccination.

Which booster should you get?
Any of the COVID-19 vaccines authorized in the United States.

Nov 29th (everyone >18 is eligible) Who Is Eligible for a COVID-19 Vaccine Booster Shot? | CDC
Verify Who Is Eligible To Receive a Booster/Additional Dose

Review the Numbers

<table>
<thead>
<tr>
<th>totSumAllVacc</th>
<th>sumAllHCPEligAddtlDose</th>
<th>totSumAllVaccAddtlDose</th>
<th>pctAllAddtlDose</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>8</td>
<td>8</td>
<td>100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>totSumAllVacc</th>
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</tr>
</thead>
<tbody>
<tr>
<td>94</td>
<td>48</td>
<td>37</td>
<td>77.1</td>
</tr>
</tbody>
</table>

In this example, the total number of vaccinated HCP is 44. However, the total number eligible for additional dose was submitted as eight. This is low. In the next example, the total number eligible for additional dose was submitted as 48, which is also low compared to the 94 HCP who have been vaccinated.
NHSN COVID-19 DATA
Submitted Week Ending
November 21, 2021
Current Facility Numbers Published on Data.CMS.gov

Do you know your facility’s vaccine rate for HCP AND residents? What about booster rates? Review and verify on the CMS website each week.

COVID-19 Data for Nursing Homes Submitted Into NHSN Week Ending 11/21/21

Engineering Controls

Interactive Ventilation Tool | CDC

How can I decrease the level of virus particles during and after a guest visits my home?

Select the options below to see how particle levels change as you adjust ventilation settings.

(To create additional scenarios, including to adjust the length of the visit and size of the home, see the expanded model from the National Institute of Standards and Technology.)

HVAC Operation
- Off/Not applicable

Filter (Skip if no HVAC system)
- Premium

Portable HEPA Air Cleaner
- No

Open Window
- No

0% particle reduction achieved in your home by using ventilation.

The risk of getting COVID-19 varies according to individual susceptibility and the number of virus particles to which a person is exposed. The fewer virus particles in the air, the better.

You can decrease particles even more by continuing to ventilate for an extra hour after the visitor leaves.
Positive and negative POC test results for residents and staff must be reported within 24 hours to either NHSN or directly to state health department. **Exception: Georgia mandates NHSN**

Reference Links


Environmental Guidelines | Guidelines Library | Infection Control | CDC

11/29/2021 Booster updates (everyone >18 is eligible) Who Is Eligible for a COVID-19 Vaccine Booster Shot? | CDC

12/2/2021: QSO-22-04-ALL Survey and Enforcement of Vaccine Mandate Suspended

• Interim Final rule
• Omnibus COVID-19 Health Care Staff Vaccination
• Omnibus FAQ
Legacy Reference Links


6-10-2021: Updated to include vaccine rate data on CMS website: https://data.cms.gov/stories/s/COVID-19-Nursing-Home-Data/bkwz-xpvg


9-10-21: Full CDC Guidance for Nursing Homes re: COVID-19 Interim Infection Prevention and Control Recommendations to Prevent SARS-CoV-2 Spread in Nursing Homes | CDC
Legacy Reference Links

10-2021: New Tracking sheets for Vaccine Module (version 4)
Data Tracking Worksheet for COVID-19 Vaccination among Residents – September 2021 excel icon[XLS – 800 KB]
Data Tracking Worksheet for COVID-19 Vaccination among Healthcare Personnel – September 2021 excel icon[XLS – 800 KB]

NHSN Website
FAQ for reporting: FAQs COVID-19 Data Published by CMS (cdc.gov)
To log into SAMS/NHSN: https://sams.cdc.gov

New guidelines for identify verification and proofing for SAMS:
https://auth.cdc.gov/sams/IdentityVerificationOverview.pdf?disp=y

Publicly-reported LTCF COVID-19 data: https://data.cms.gov/covid-19/covid-19-nursing-home-data (You should check your facility data often)
Booster updates Nov 29th (everyone >18 is eligible) Who Is Eligible for a COVID-19 Vaccine Booster Shot? | CDC
COVID vaccines for children: COVID-19 Vaccines for Children and Teens | CDC
All CMS regulatory updates can be found here: Policy & Memos to States and Regions | CMS and Nursing Homes | CMS
Cases in the United States: CDC COVID Data Tracker
11/4/2021: COVID-19 Vaccination Regulation for Health Care Workers
Objectives Check In

Learned yesterday:
- Create an NHSN notebook (Nov. Shop Talk)

Learned today:
- Review definitions for reporting declinations and boosters.
- How to generate a NHSN analysis report.
- How to check your NHSN data for timeliness and accuracy.

Use tomorrow:
- Show your NHSN data for quality improvement
- Share the NHSN notebook with others at your facility
- Check your data for accuracy weekly

How will this change what you do? Please tell us in the poll.
Shop Talk Shorts YouTube Channel

Instructional videos to answer technical questions related to NHSN

Help! I am new & no one has NHSN access
How do I find out who has access to my facility?
How do I add users and rights to our NHSN account?
My administrator added me as a user, but I can't login.
I got a new job. Can I use my grid card to access my new facility?
How do I change my email address for NHSN & SAMS?
How do I get a SAMS card? I already have access to my facility.
I am leaving, how do I reassign another NHSN facility administrator?
How do I generate a report in NHSN to see my vaccine data and dates submitted?
I want to receive technical assistance. How do I join Alliant Quality’s NHSN Data Group?

Bookmark our FAQ YouTube channel for easy reference to frequent NHSN issues:
https://www.youtube.com/playlist?list=PLXWmxni-xNHspWHhLlIrqclGlzXZPljlF
If Your Facility Would Like NHSN Technical Assistance

Ensure you have joined our group **before** you reach out to us. We cannot provide assistance efficiently unless you join. Also, when you send an email to us, be sure to copy NHSN@cdc.gov for reference.
Need Assistance with NHSN Reporting?

Join our NHSN data group!
Group Name: Alliant Quality-LTC
Group ID: 83378
Joining Password: Alliant20!

https://www.youtube.com/watch?v=nCmh6oRJhoE&list=PLXWmxni-xNHspWHhL1IrqcLGlzXZPljF&index=1
Questions?

Please put your questions into the Q&A.
Thank You for Your Time!
Contact the Patient Safety Team

Marilee H. Johnson, MBA, MT (ASCP)
Technical Advisor, Infection Prevention
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Amy Ward, MS, BSN, RN, CIC
Infection Prevention Specialist
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Melody Brown, MSM
Aim Manager, Patient Safety
Melody.Brown@AlliantHealth.org | 678.527.3466
Closing Survey

Help Us Help You!

• Please turn your attention to the poll that has appeared in the lower right-hand side of your screen.
• Completion of this survey will help us ensure our topics cater to your needs.
CMS 12th SOW Goals

**Behavioral Health Outcomes & Opioid Misuse**
- Promote opioid best practices
- Decrease high dose opioid prescribing and opioid adverse events in all settings
- Increase access to behavioral health services

**Patient Safety**
- Reduce risky medication combinations
- Reduce adverse drug events
- Reduce C. diff in all settings

**Chronic Disease Self-Management**
- Increase performance on ABCS clinical quality measures (i.e., aspirin use, blood pressure control, cholesterol management, cardiac rehab)
- Identify patients at high-risk for developing kidney disease & improve outcomes
- Identify patients at high risk for diabetes-related complications & improve outcomes

**Quality of Care Transitions**
- Convene community coalitions
- Identify and promote optical care for super utilizers
- Reduce community-based adverse drug events

**Nursing Home Quality**
- Improve the mean total quality score
- Develop national baselines for healthcare related infections in nursing homes
- Reduce emergency department visits and readmissions of short stay residents
Mark Your Calendar!

Shop Talk 3rd Thursdays at 2pm ET

Registration Links:
- January 20, 2022
- February 17, 2022
- March 17, 2022

Visit our website for more info:
https://quality.allianthealth.org/topic/shop-talks/
Thank you for attending our Shop Talk Webinars this year. We are grateful for your support. We look forward to seeing you next year in 2022! May your new year be filled with blessings!

The Patient Safety Team
Mel, Amy, & Marilee