Special Focus: NHSN Data Error Weekly HCP & Resident COVID-19 Vaccination Module

Welcome!

Please be prepared to participate! We will be using breakout rooms today. Chat to Technical Support if you need assistance

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

April 7, 2022



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 careacquired infections across all patient care settings.

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

Contact: <u>marilee.johnson@allianthealth.org</u>



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.

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Leighann Sauls, RN, CDN PROGRAM DIRECTOR, GA, KY, NC, TN

Leighann is a registered nurse with more than 25 years of nursing experience and 20 years of quality improvement experience. She began her nursing career as a dialysis nurse. Her work in quality improvement included serving as the director of quality improvement for the Southeastern Kidney Council, the End-Stage Renal Disease Network of North Carolina, South Carolina and Georgia. She also served as the North Carolina state director for Alliant Quality. In this role, she provided leadership, knowledge, expertise and independent oversight for the Quality Innovation Network-Improvement Organization (QIN- QIO).

Leighann enjoys spending time with her family (especially her 2 grandsons), reading and gardening.

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Objectives

Agenda:

- Review the weekly HCP and resident COVID-19 vaccination module case definitions.
- Look up your vaccination and booster data on Care Compare and the CMS data.gov website.
- Validate your NHSN data for accuracy by pulling internal analysis reports.
- Edit data in NHSN.
- Monitor your vaccination data weekly for accuracy (PDSA).
- NHSN Event-Level COVID-19 Vaccination Forms April 2022.
- **Break out session:** Level 1 access or Level 3 access (understand the difference in reporting your data into the weekly COVID-19 vaccination module).



Data Field Instructions Question #4: Cumulative Number Who Have Received A Booster

Data Fields	Instructions for Completion
Question #4 (Residents receiving Additional	Required. Cumulative number of individuals with complete primary
Dose or Booster)	series vaccine in question #2 who have received an additional dose or booster of COVID-19 vaccine at this facility or elsewhere since
Add all additional doses or boosters of	August 2021.
COVID-19 vaccines residents received	
	Select all additional doses or boosters which residents received from
	a drop-down box on the data entry screen. Residents may have
	received different types of additional doses or boosters; therefore,
	facilities can select more than one type of COVID-19 vaccine.
	Note: If a facility does not have any individuals who received an
	additional dose or booster of COVID-19 vaccine, the facility should
	enter a zero ("0") for question #5 (select any manufacturer from the
	dropdown). This will allow the form to save successfully.

Weekly HCP & Resident COVID-19 Vaccination

QSO-22-07 ALL Long-Term Care and Skilled Nursing Facility (cms.gov)



FAQs on Reporting COVID-19 Vaccination Data

Q9. How should facilities report cumulative data? Report the total number of individuals at the facility for that week. Then, of these individuals, report the number who have ever received COVID-19 vaccination (at that facility or elsewhere) since it became available in December 2020. Do not limit reporting to just the individuals who were vaccinated that week; instead, report the cumulative total of all individuals who have ever been vaccinated to date. For example, 50 healthcare personnel received only dose 1 of the *Moderna* COVID-19 vaccine during the first week of reporting. During the second week, 5 more healthcare personnel received only dose 1 of the *Moderna* COVID-19 vaccine. Therefore, the facility should report that 55 individuals received only dose 1 of the *Moderna* COVID-19 vaccine by the end of the second week.

Q22. What if there are no changes to my data from one week to the next?

If there are no changes to your data (for example, there are not any changes in the number of individuals and their vaccination status), then you would report the same numbers as the previously reported week. Because there could be new staff, residents, and/or patients joining or leaving the facility, vaccination coverage could change week by week even though no new vaccines are given.

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



Report Cumulative Vaccination and Booster Coverage

HINT: Vaccine and booster series are cumulative for both residents and health care workers. If no new vaccines/boosters were given this week, then submit the same number as last week.

Why? Because your data will show up as <u>0% boosted if you submit zero</u> for the week. 0/70 = 0% when, actually, your booster rate is 55/70 = 78.5%.

<u>Click here</u> to access the NHSN Weekly COVID-19 Vaccine Summary – Do Not Report Zeros resource.





Don't Submit Zero for Question # 4



COVID-19 Vaccine(s) Supply

Please contact your state or local health jurisdiction if there is insufficient supply of COVID-19 vaccine available or if your facility is interested in becoming a COVID-19 vaccine provider.



Cumulative Vaccination Coverage	
 *Number of residents staying in this facility for at least 1 day during the week of data collection 	20
 <u>Cumulative</u> number of residents in Question #1 who have received COVID-19 vaccine(s) a since December 2020: 	t this facility or elsewhere
2.1. Only dose 1 of Pfizer-BioNTech COVID-19 vaccine	
2.2. Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine	60
2.3. Only dose 1 of Moderna COVID-19 vaccine	
2.4. Dose 1 and dose 2 of Moderna COVID-19 vaccine	10
2.5. Dose of Janssen COVID-19 vaccine	
2.99. Complete COVID-19 vaccination series: unspecified manufacturer	
Any completed COVID-19 vaccine series	70
3. Cumulative number of residents in Question #1 with other conditions:	
3.1. *Medical contraindication to COVID-19 vaccine	
3.2. *Offered but declined COVID-19 vaccine	Q
3.3. *Unknown COVID-19 vaccination status	•
4. *Cumulative number of individuals with complete primary series vaccine in question #2	
who have received an additional dose or booster of COVID-19 vaccine at this facility or	
elsewhere since August 2021	
4.1 *Additional dose or booster of Pfizer-BioNTech COVID-19 vaccine	25
4.2 *Additional dose or booster of Moderna COVID-19 vaccine	30
4.3 *Additional dose or booster of Janssen COVID-19 vaccine	
4.4 Additional dose or booster of unspecified manufacturer	
* Any Additional dose or booster of COVID-19 vaccine series	55
COVID-19 Vaccine(s) Supply	
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Please contact your state or local health jurisdiction if there is insufficient supply of COVID-19 vaccine available or if your facility is interested in becoming a COVID-19 vaccine provider.

55/70=79%



Review Your NHSN Data Weekly on CMS data.gov

CMS data.gov <u>COVID-19 Nursing Home Data</u>

Scroll down and click on the listing of vaccination rates to download to your computer. Search for your facility to review.

• Listing of vaccination rates for individual nursing homes: Click to see a list of every nursing home with recent resident and staff vaccination rates and other data (including booster doses).



Review Your NHSN Data Weekly on CMS data.gov

	Re	cent Facility	Resident and Vaccur	d Staff Vacci nation percentages a	nation Rates are for the current we	ek if present, otherwi
Federal Provider Number	Provider Name	Recent Percentage of Residents who are Fully Vaccinated ¹	Recent Percentage of Fully Vaccinated Residents who Received a Booster Dose ²	Recent Percentage of Staff who are Fully Vaccinated ³	Recent Percentage of Fully Vaccinated Staff who Received a Booster Dose ⁴	Recent Percentage of Staff who are Fully OR Partially Vaccinated ⁵
	E	72.0	0.0	85.9	0.0	85.9
	CENTER	81.8	0.0	27.4	10.8	68.1
	SOUTH	80.9	0.0	60.5	0.0	64.1
		80.0	0.0	95.1	0.0	95.1
	R	62.5	0.0	41.5	6.2	51.8
	TA	91.9	0.0	91.2	0.0	91.2
	REHABILITATION CENTER	100.0	0.0	83.8	25.3	88.9
	R	84.6	0.0	99.1	0.0	99.1
0	CENTER	76.4	0.0	75.0	33.3	75.7
	Federal Provider Number	Federal Provider Number Provider Name Provider Name E E E E E E E E E E E E E E E E E E E	Federal Provider Number Provider Name Recent Percentage of Residents who are Fully Vaccinated ¹ • • • • • •	Recent Facility Resident and Vacual Federal Provider Name Recent Percentage of Residents who are Fully Vaccinated Recent Percentage of Fully Vaccinated are Fully Vaccinated Image: Colspan="2">Image: Colspan="2" Image: Colspan="2">Image: Colspan="2" Image: Colspan="2"	Federal Provider Name Recent Percentage of Residents who are Fully Vaccinated Recent Percentage of Staff who are Fully Vaccinated • <td>Federal Provider Name Recent Percentage of Residents who are Fully Vaccinated Received a Booster Dose², Received a Booste</td>	Federal Provider Name Recent Percentage of Residents who are Fully Vaccinated Received a Booster Dose ² , Received a Booste

CMS data.gov COVID-19 Nursing Home Data



Review Your NHSN Data Weekly on Care Compare



CARE Compare Find & Compare Nursing Homes



Generate a Report in NHSN (so you can verify your data)



Validate Your NHSN Data by Generating a Report

Reference our Shop Talk Short for instructions. WATCH THIS DEMO!!

HINT: You will need to pull separate line lists for each module and vaccine report. Modify as needed.

Here is a Line Listing- Vaccination Cumulative Summary Data -HCP

survWeekStart	survWeekEnd	createDate	sumAllHCP	totSumAllVacc	totVaccPartial	sumAllMed	sumAllDec	sumAllUnk	pctAllVacc	pctVaccPartial
9/27/2021	10/3/2021	08OCT2021:1	86	28	0	0	52	6	•	
11/22/2021	11/28/2021	22NOV2021:1	85	30	9	0	46	0	35.294	10.588
11/29/2021	12/5/2021	09DEC2021:14	85	30	9	0	46	0	35.294	10.588
12/6/2021	12/12/2021	09DEC2021:14	85	30	9	0	46	0	35.294	10.588
12/13/2021	12/19/2021	23DEC2021:12	85	30	9	0	46	0	35.294	10.588
12/20/2021	12/26/2021	23DEC2021:12	85	30	9	0	46	0	35.294	10.588
12/27/2021	1/2/2022	30DEC2021:1	85	30	9	0	46	0	35.294	10.588



COVID-19 Vaccine Summary Report -Residents



Four basic steps:

1. Select Analysis and Generate new data sets.

2. Select the report.

3. Modify the display variables and report type.

4. Run the report and review.



COVID-19 Vaccine Summary Report – Residents the Details



1. Select the Analysis Tab > Generate Data Sets. Then, click on Generate Reporting Data Sets.





Select Reports



 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



Make sure you uncheck the 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



Resident Line List

createDate modifyDate pctAllAddtlDose totAllResAddtlDose

Check to make sure all the display variables have been added to the selected side on the right.





Modify the Report (continued)



Select the Title/Format Tab and click on the XLS option to create an Excel spreadsheet.









After you have modified the report, click Run.





Review Your Report





Open the file and save as an Excel workbook. Save it to a folder you will remember.



Next, 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. pctAllAddtlDose
- 4. totSumAllVaccAddtlDose





HCP (Health Care Personnel)	Resident
1. createDate	1.createDate
2. modifyDate	2.modifyDate
3. pctAllAddtlDose	3.pctAllAddtlDose
4. totSumAllVaccAddtlDose	4.totAllResAddtlDose

Disclaimer: NHSN changes/adds fields regularly. This information may change after the time of this presentation.



Remember To Submit Cumulative Numbers



The data on the left was reported incorrectly (probably how many were boosted each week). The data on the right was reported correctly (cumulative).

survWeekEnd	totResAllVacc	tAllResAddtlDose p	AllAddtlDose	pctAllVacc	survWeekEnd 🕞	totResAllVacc 🖵	totAllResAddtlDose -	pct \IIAddtlDose -	pctAllVacc 🕞	numRes 🕞
12/26/2021	41	16	39%	73.214	12/26/2021	41	<mark>16</mark>	39%	73.214	56
1/2/2022	2 40	16	40%	74.074	1/2/2022	40	<mark>. 16</mark>	40%	74.074	54
1/9/2022	2 41	0	0%	77.358	1/9/2022	41	<mark>- 16</mark>	39%	77.358	53
1/16/2022	43	0	0%	87.755	1/16/2022	43	16	37%	87.755	49
1/23/2022	32	0	0%	71.111	1/23/2022	32	16	50%	71.111	45
1/30/2022	2 40	2	5%	74.074	1/30/2022	40	18	45%	74.074	54
2/6/2022	42	4	10%	77.778	2/6/2022	42	22	52%	77.778	54
2/13/2022	43	5	12%	79.63	2/13/2022	43	27	63%	79.63	54
2/20/2022	40	10	25%	74.074	2/20/2022	40	37	93%	74.074	54
2/27/2022	42	0	0%	73.684	2/27/2022	42	37	88%	73.684	57
3/6/2022	40	0	0%	74.074	3/6/2022	40	37	93%	74.074	54
0, 0, 2022		Ŭ	0,0							

Review your data for accuracy each week.



Best Practice for Reviewing Your NHSN Data

	Facility Sprea	adsheet/Tracking S	heet	Internal Analysis	Public Webs	sites	Validate
Week ending date	Total # of Residents Boosted	Total # of Residents Completed Vaccine Series (2 doses of <u>Moderna</u> /Pfizer or 1 dose Janssen) at any time	% boosted	NHSN Analysis Report Generated % boosted	<u>Care</u> <u>Compare</u>	COVID-19 Nursing Home Data (CMS.gov data)	Does your resident booster data percentage match <u>Care</u> <u>Compare/COVID</u> <u>19 Nursing</u> <u>Home Data</u> (CMS.gov data) & your facility spreadsheet?
3/6/2022							□ Yes □ No
3/13/2022							□ Yes □ No
3/20/2022							□ Yes □ No
3/27/2022							□ Yes



Edit Your Data

NHSN - Natio	nal H	ealthcare Safety Network	MJOHNSON NHSN 12 SOW LTC QIN-QIO T
NHSN Home Alerts		Vaccination Summary Data	
Dashboard	•	Click a cell to begin entering data for the week which counts are reported.	
Reporting Plan Resident	•	Reporting of medical events or health problems that occur after vaccination (possible side effects) is encouraged, even if you are not sure they are the result of vaccination, https://vaers.hhs.gov/reportevent.html.	at
Event Summary Data	•		
COVID-10	-	Weekly Vaccination Calendar	
Vaccination Summary Import/Export		COVID-19: HCW COVID-19: Residents	
Surveys	•		
Users	•	04/04/2022 (Monday) - 04/10/2022 (Sunday)	
Facility Group	•		
Logout		04/11/2022 (Monday) - 04/17/2022 (Sunday)	



Edit Your Data

Vaccine: Residents Flu Vaccine:	HCW COVID-19 Vaccine: HCW	COVID-19 Vaccine: Residents
Resident COVID-19 Cumulative Vaco	ination Summary for Long-Term Car	e Facilities
Date Created: 03/31/20 * Facility ID: 59979 * Week of Data Collection: 03/28/20	22 1:38PM *Vaccination typ 22 - 04/03/2022 *Date Last Mod	De: COVID19 Facility CCN #: ified: 03/31/2022 1:38PM
	Cumulative Va	ccination Coverage
1. *Number of residents staying in th	is facility for at least 1 day during the	Week of data collection
2. * <u>Cumulative</u> number of residents	IN Question #1 who have received CC	JVID-19 vaccine(s) at this facility or elsewhere since December 2020
2.1 * Only dose 1 of Pfizer-BioNTed	h COVID-19 vaccine	2
1 2.2 *Dose 1 and dose 2 of Pfizer-B	ioNTech COVID-19 vaccine	24
■ 2.3 ★Only dose 1 of Moderna COV	ID-19 vaccine	5
2.4 *Dose 1 and dose 2 of Modern	a COVID-19 vaccine	40
1 2.5 *Dose of Janssen COVID-19 v	accine	1
Any completed COVID-19 vaccines	eries	65
*<u>Cumulative</u> number of residents	in Question #1 with other conditions	
3.1 *Medical contraindication to C	OVID-19 vaccine	2
3.2. *Offered but declined COVID-	19 vaccine	10
3.3. *Unknown COVID-19 vaccinat	ion status	0
4. * Cumulative number of residents since 08/23/2021:	in Question #2 who have received ar	additional dose or booster of COVID-19 vaccine at this facility or elsewhere
4.1 * Additional dose or booste	r of Pfizer-BioNTech COVID-19 vaccin	e 11
1 4.2 * Additional dose or booste	r of Moderna COVID-19 vaccine	43
* Any Additional dose or booster of	f COVID-19 vaccine series	54



New Event Level COVID-19 Vaccination Module

Weekly HCP & Resident COVID-19 Vaccination

<u>New! NHSN Event-Level COVID-19 Vaccination Forms – April 2022</u> (Review this slide deck)

Available for Level 3 Users (login with SAMS Grid Card).

***NHSN encourages users to switch over to using the new Event-level Vaccination Forms in the NHSN application.

NHSN Excel Data Tracking Worksheets will no longer by updated after May 2022.

https://www.cdc.gov/nhsn/forms/57.218-p.pdf





Break Out Session—Let's Edit Your Data

Facilities with only Level - 1 Users

Utilize the NHSN tracking sheets or internal method (until you get your Level 3 SAMS card/until <u>May</u> 2022)

Download the New tracking sheets.

New! <u>Data Tracking Worksheet for COVID-19</u> Vaccination among Residents excel icon[XLS – 8 MB] – April 2022 New! <u>Data Tracking Worksheet for COVID-19</u> Vaccination among Healthcare Personnel excel icon[XLS – 8 MB] – April 2022

Start working on getting Level-3 access. <u>How to Upgrade to Level-3 Access in NHSN</u>

Facilities with Level - 3 Users

Start submitting your vaccination data through the new event-level forms.



New! <u>Event Level COVID-19 Vaccination Form Quick</u> <u>Reference Guide pdf icon[PDF – 1 MB]</u> – April 2022.



Shop Talk Shorts YouTube Channel

Instructional videos to answer technical questions related to NHSN

Help! I am new & no one has NHSN access How to Upgrade to Level-3 Access in NHSN <u>How do I find out who has access to my facility?</u> How do I add users and rights to our NHSN account? I got a new job. <u>Can I use my grid card to access my new facility?</u> How do I change my email address for NHSN & SAMS? am leaving, how do I reassign another NHSN facility administrator? <u>How do I generate a report in NHSN to see my vaccine data and dates submitted?</u> I want to receive technical assistance. <u>How do I join Alliant Quality's NHSN Data Group?</u> <u>Generate an analysis report</u>

Bookmark our FAQ YouTube channel for easy reference to frequent NHSN issues: <u>https://www.youtube.com/playlist?list=PLXWmxni-xNHspWHhLllrqcLGlzXZPljlF</u>





Important Notice: 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 <u>NHSN@cdc.gov</u> 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-xNHspWHhLlIrqcLGlzXZPljlF&index=1



Accept

Questions?





Thank You for Your Time! Contact the Patient Safety Team



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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.





Mark Your Calendar!



Shop Talk 3rd Thursdays at 2pm ET

Registration Links: <u>Thursday, April 21st</u> <u>Thursday, May 19th</u>

Visit our website for more info: <u>https://quality.allianthealth.org/topic/shop-talks/</u>



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