NHSN Updates
COVID-19 Vaccine Module & Pathway

Welcome!

Chat to Technical Support if you need assistance

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

July 21, 2022

ALLIANT HEALTH SOLUTIONS
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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

Donald Chitanda, MPH, CIC

INFECTION PREVENTION TECHNICAL ADVISOR

Donald is a health professional with experience in public health epidemiology and infection prevention. Over the past several years, he worked as an infection preventionist at the hospital- and system-level, where he was part of a task force to ensure the safety of caregivers and patients during the ongoing COVID-19 pandemic. In addition, he was part of and led several projects to reduce hospital-acquired infections utilizing Lean Six Sigma methodologies. He is also trained in ensuring ongoing facility survey readiness for regulatory agencies such as the CMS and The Joint Commission.

Donald enjoys spending time with family and doing outdoor activities.

Contact: Donald.Chitanda@AlliantHealth.org

Objectives

Agenda:

- **Join our Alliant Health Solutions LTC NHSN Group** (if you have not already)
- NHSN updates
- Watch those QA alerts
- Questions & Answers

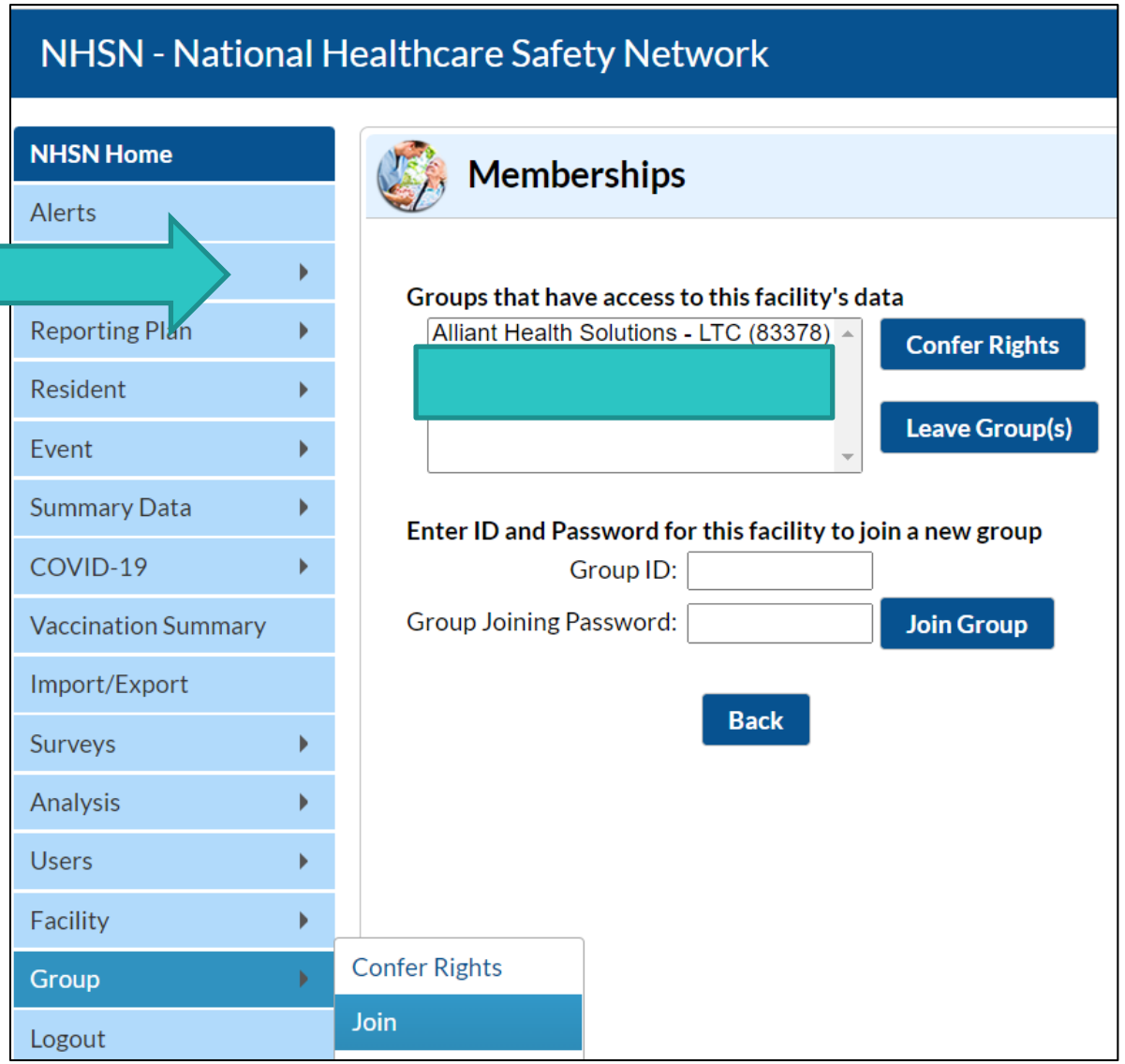
Make Sure You Have Joined Our NHSN Group

Review Your Membership:

On the NHSN Home page:
Click **Group > Join**

Make sure you see **Alliant Health Solutions – LTC (83378).** If not, follow the instructions on the next slide to join.

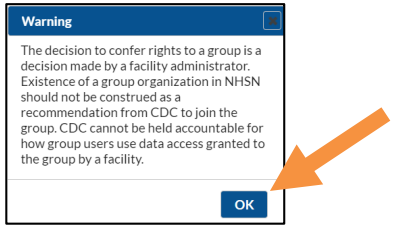
Take this important step to receive assistance from your CMS Quality Improvement Organization.

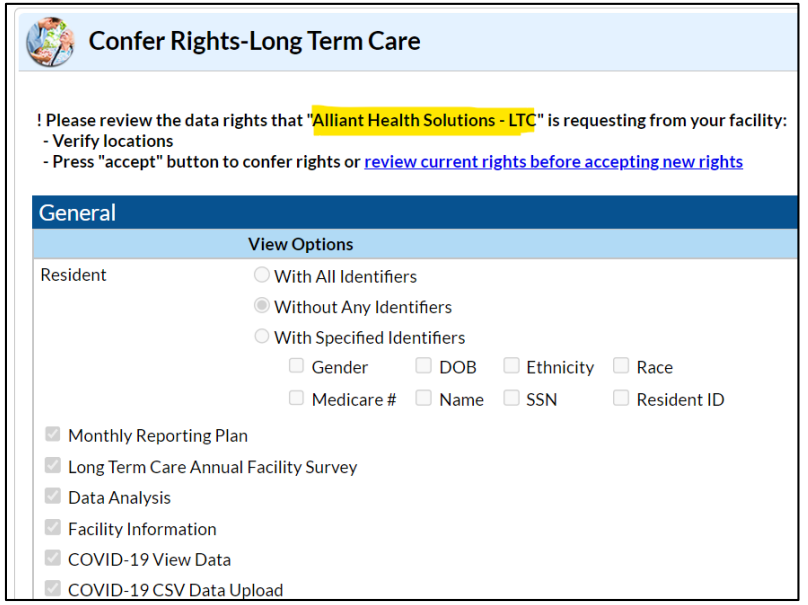


Join & Confer Rights to Alliant Health Solutions

Group Name: Alliant Health Solutions-LTC

Group ID: 83378 Joining Password: Alliant20!





https://quality.allianthealth.org/wp-content/uploads/2021/01/TO1_NHSNGroups_12SOW-AHSQIN-QIO-TO1NH-20-391_508-1.pdf

Shop Talk Shorts YouTube Channel

Instructional videos to answer technical questions related to NHSN

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

Help! I am new & no one has NHSN access

How to Upgrade to Level-3 Access in NHSN

How do I find out who has access to my facility?

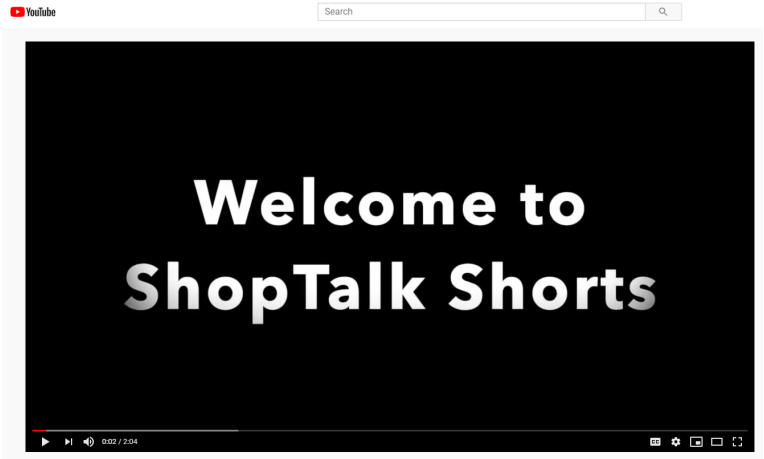
How do I add users and rights to our NHSN account?

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?

I am leaving, how do I reassign another NHSN facility administrator?

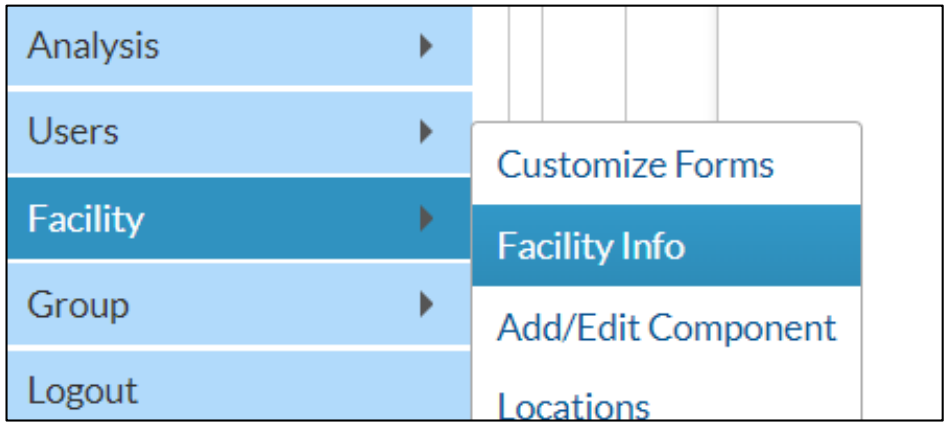
I want to receive technical assistance. How do I join Alliant Health Solution's NHSN Data Group?



SAMS & NHSN Tips

Confirm Facility Admin and Primary Contact

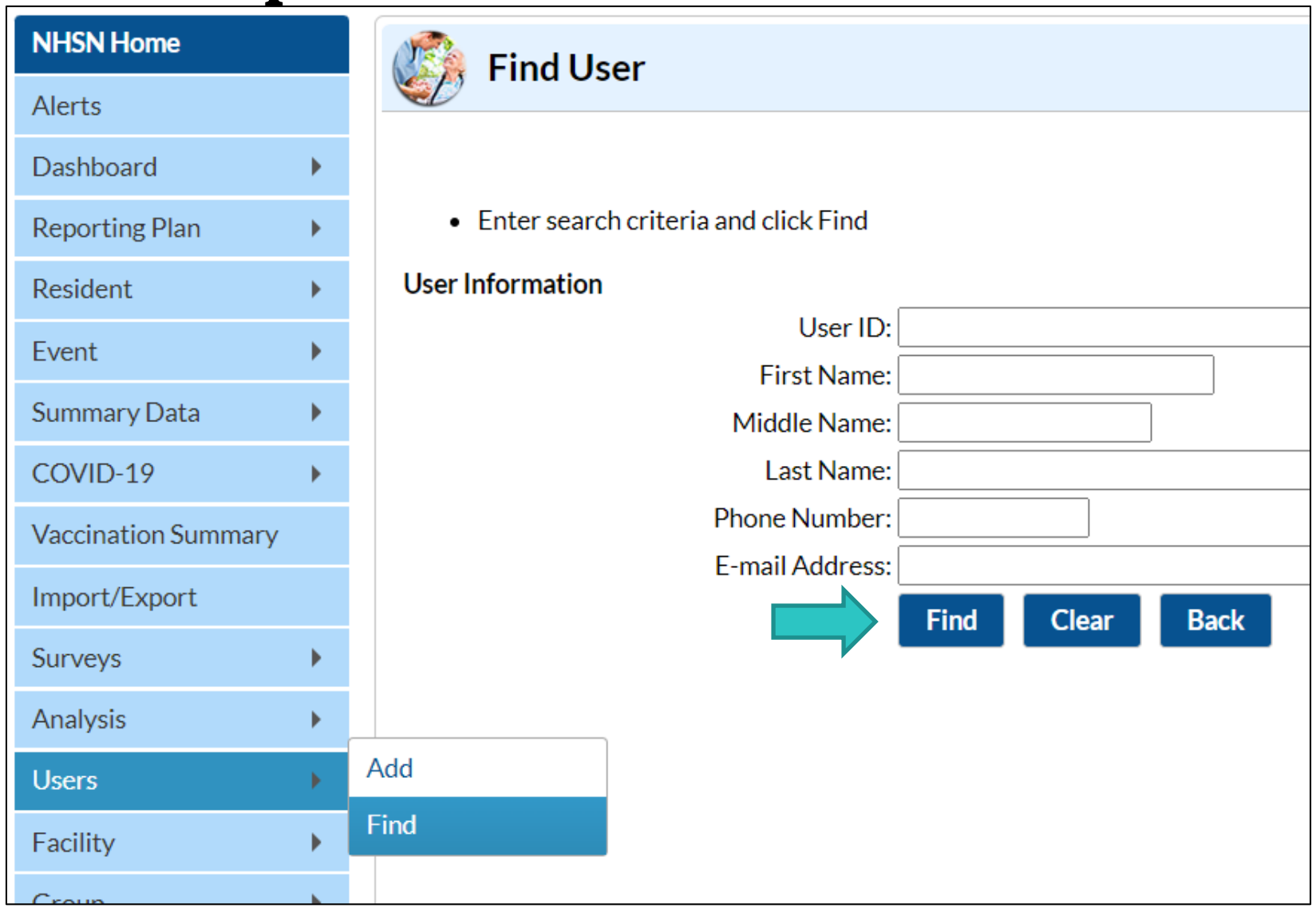
Facility > Facility Info > Scroll down and review the facility admin and long-term care primary contact. If the users are no longer there, deactivate them. For the facility admin, complete the Change Facility Admin Form.



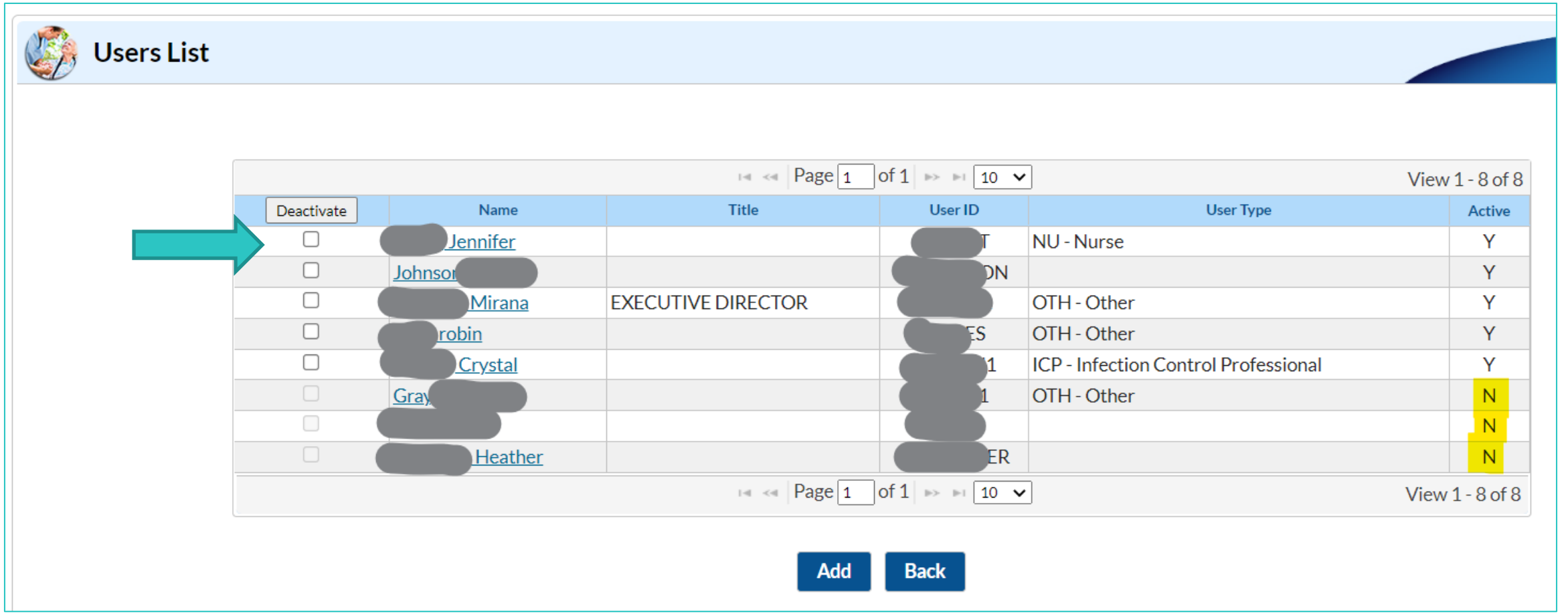
Contact Information

	Contact Type	Contact Name	Phone No.+ext	Email	Action
Edit	Facility Administrator	[redacted]	[redacted]	[redacted]	Reassign
Edit	Long Term Care Facility Primary Contact	[redacted]	[redacted]	[redacted]	Reassign

Clean Up the Users in Your NHSN Account

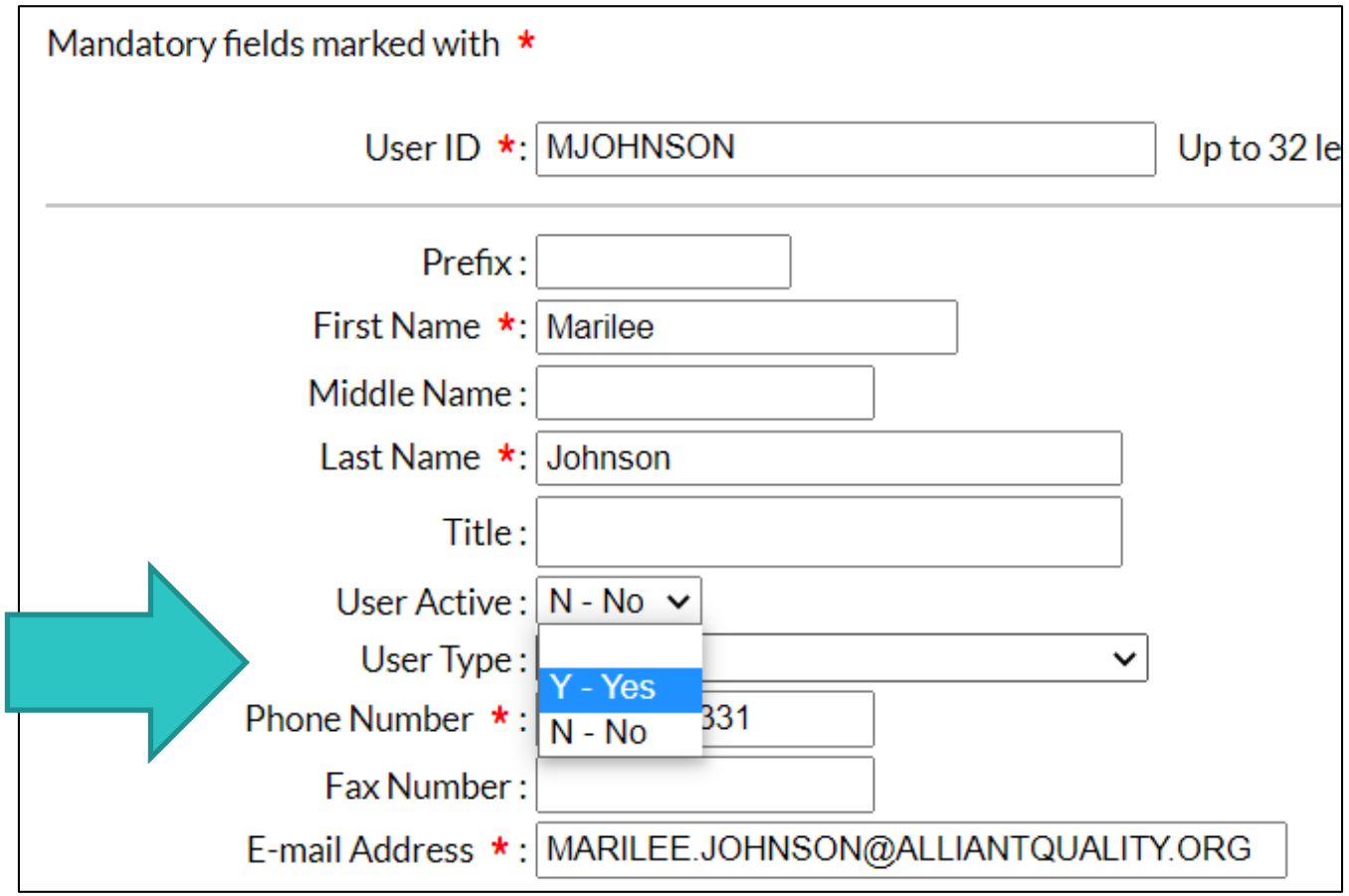


Deactivate Users Who No Longer Need Access



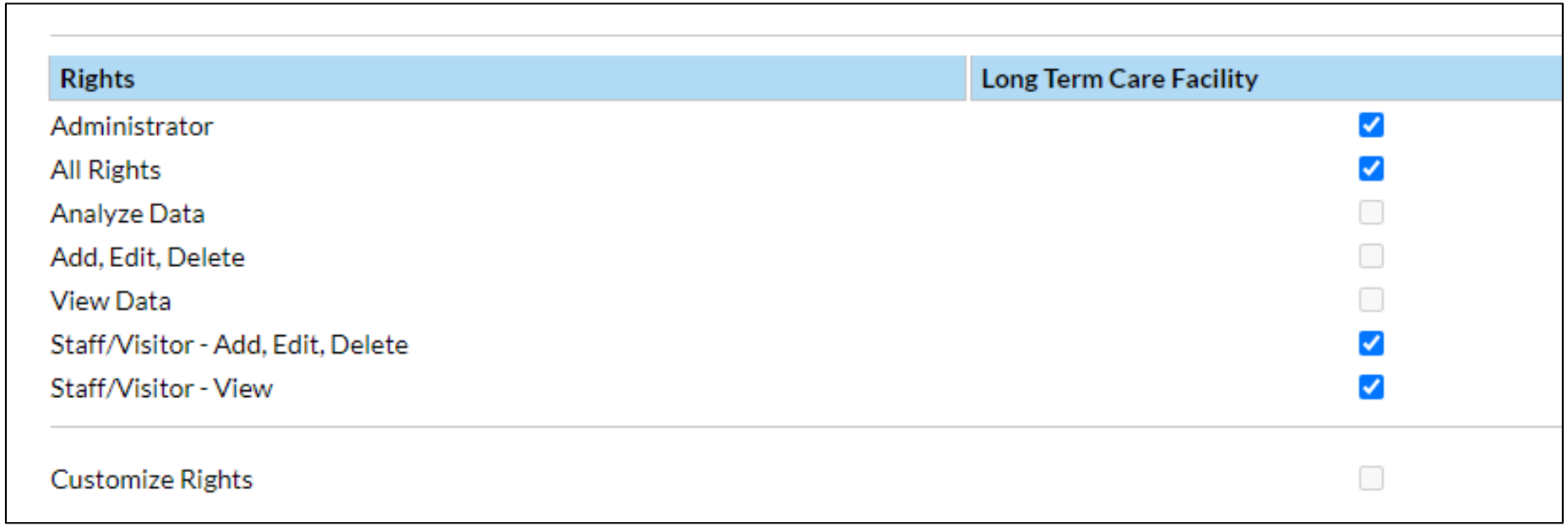
Check the box beside their name and click Deactivate.

OR Go to the Contact Page and Click User Active “No”



User > Find > Find > Click on the user account.
Click Edit.
Then change the User Active to NO.

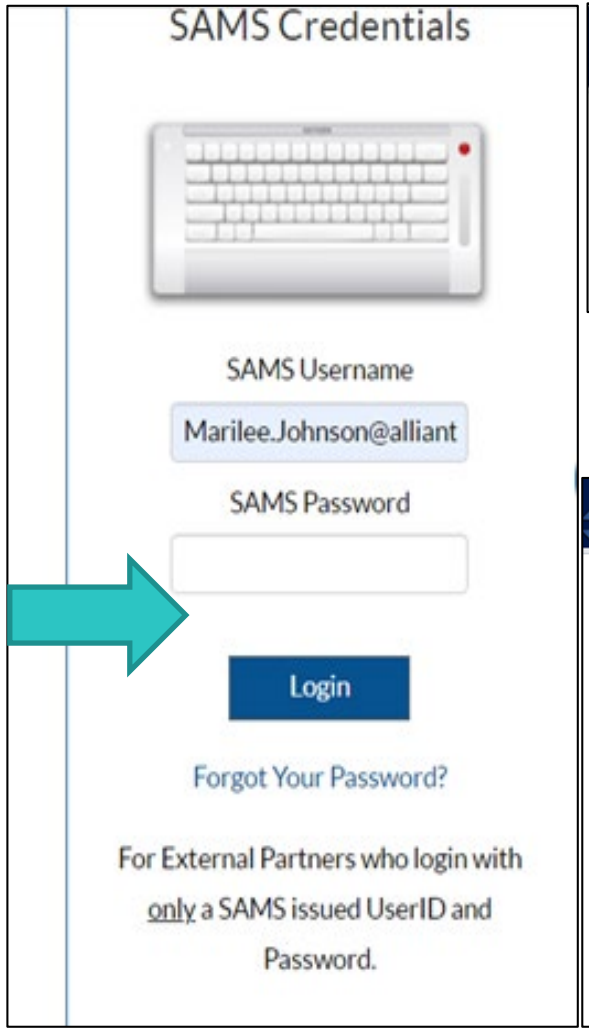
Ensure Users are Assigned Rights



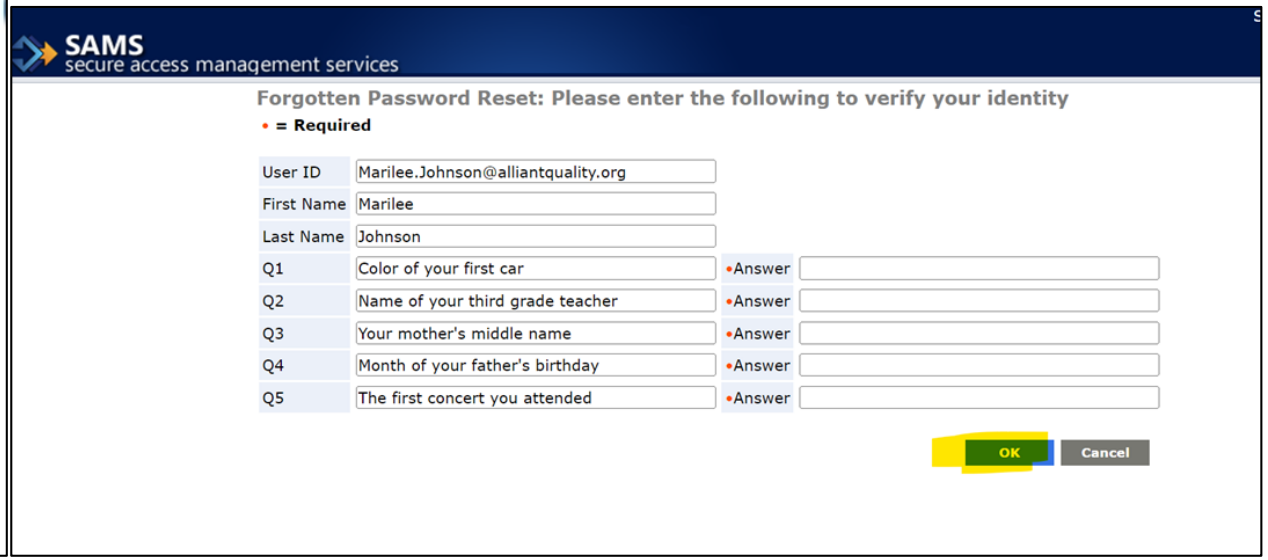
Rights	Long Term Care Facility
Administrator	☑
All Rights	☑
Analyze Data	☐
Add, Edit, Delete	☐
View Data	☐
Staff/Visitor - Add, Edit, Delete	☑
Staff/Visitor - View	☑
Customize Rights	☐

Hint: Double-check to ensure users have administrator rights, if applicable. If you don't have admin rights, you will not be able to add users, etc., to maintain the functionality of your account.

I Forgot My Password. How Do I Reset?



HINT: The USER ID is the email address you use to sign into the SAMS login.

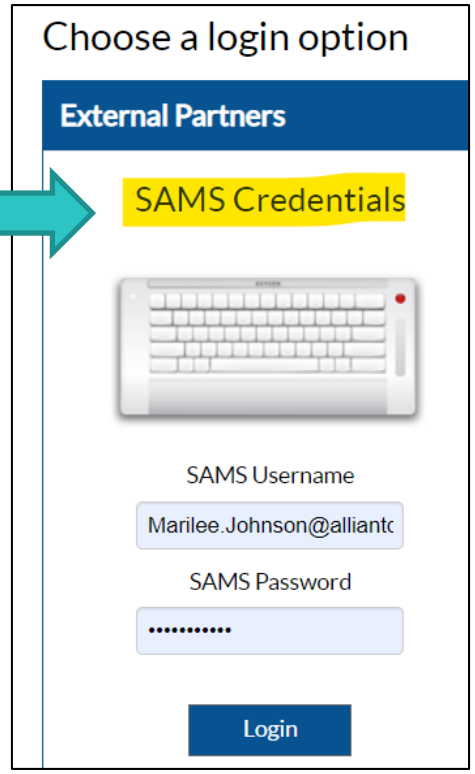


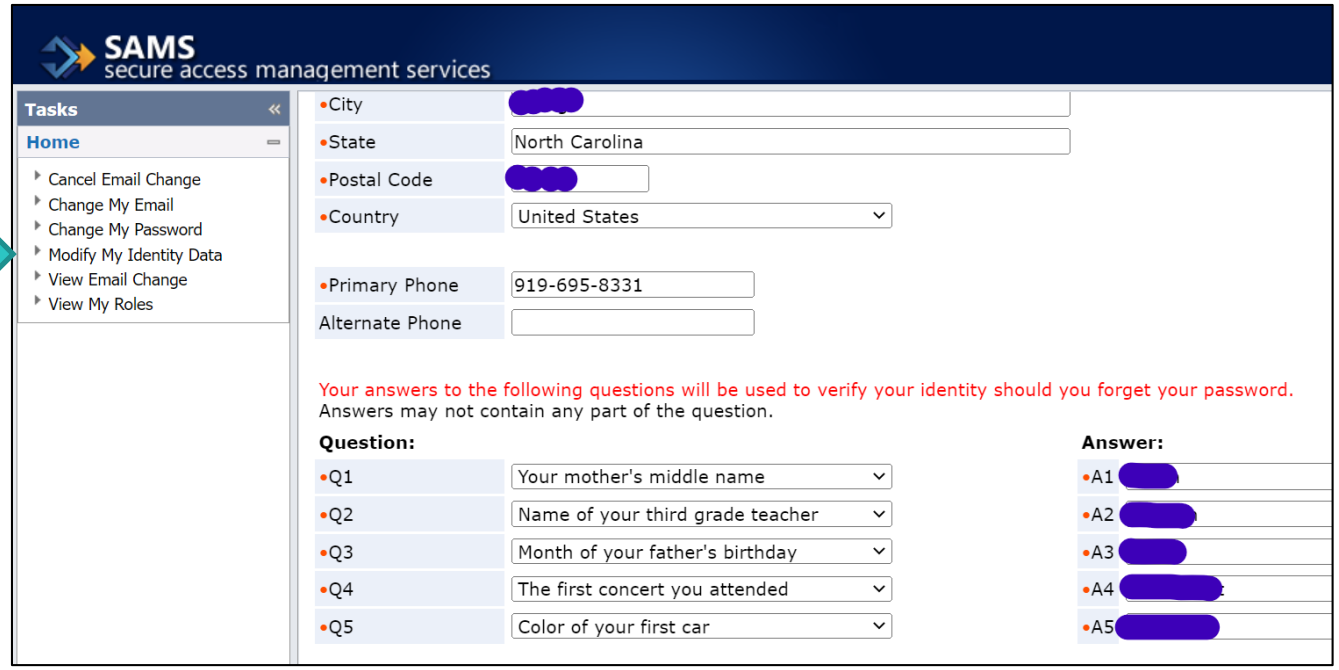
Do you know your security questions? You must answer using correct capitalization.

If You Don't Remember Your Security Questions

You must request the SAMS help desk to terminate your account. Then, email nhsn@cdc.gov and request a new invitation to register. Include your email address and first and last name.

Why risk this? Print out your security questions and save them in a secure location. Log in to https://sams.cdc.gov SAMS credential > Click on Modify My Identity Data to view your answers.





Current Statistics

Submitted data as of the week ending 7/03/2022.

By the numbers

87.5%
National Percent of Residents with Completed Primary Vaccination per Facility

83.5%
National Percent of Vaccinated Residents with Booster Doses per Facility

87.0%
National Percent of Staff with Completed Primary Vaccination per Facility

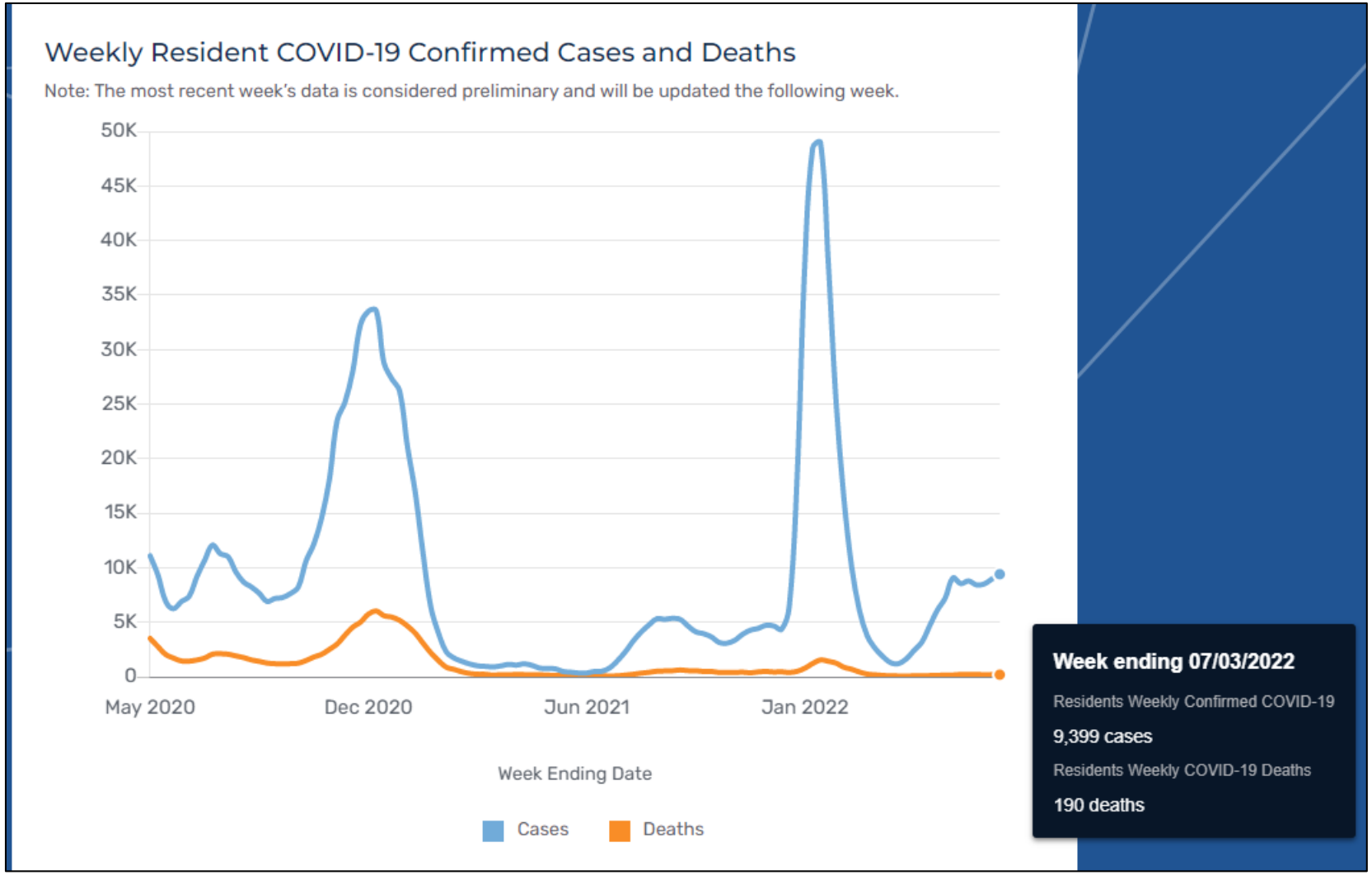
54.1%
National Percent of Vaccinated Staff with Booster Doses per Facility

1,101,083
Total Resident COVID-19 Confirmed Cases

153,929
Total Resident COVID-19 Deaths

https://data.cms.gov/covid-19/covid-19-nursing-home-data

Source: NHSN Data



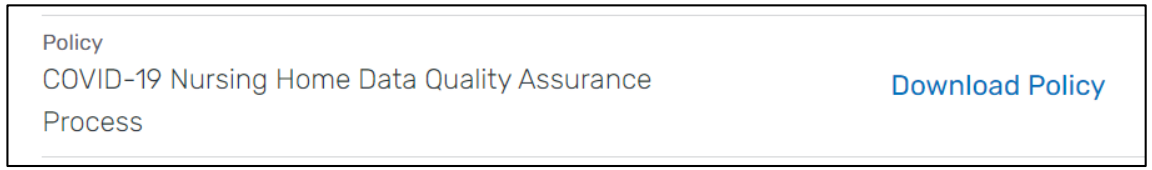
https://data.cms.gov/covid-19/covid-19-nursing-home-data

Weekly Vaccination Module Updates

Questions: Why Is My Data Not Passing Quality Assurance. Why Is It Not Showing on Nursing Home Compare? What Is an Alert on My Dashboard?

1. Check data on https://data.cms.gov/covid-19/covid-19-nursing-home-data or Care Compare
2. If it is not passing QA, check your alerts on the home screen (you should do this every week).
3. If you see an alert, take the time to review, edit and confirm.
4. Contact CMS data.gov if you have concerns.

CMS Expert Help Desk
NH_COVID_Data@cms.hhs.gov



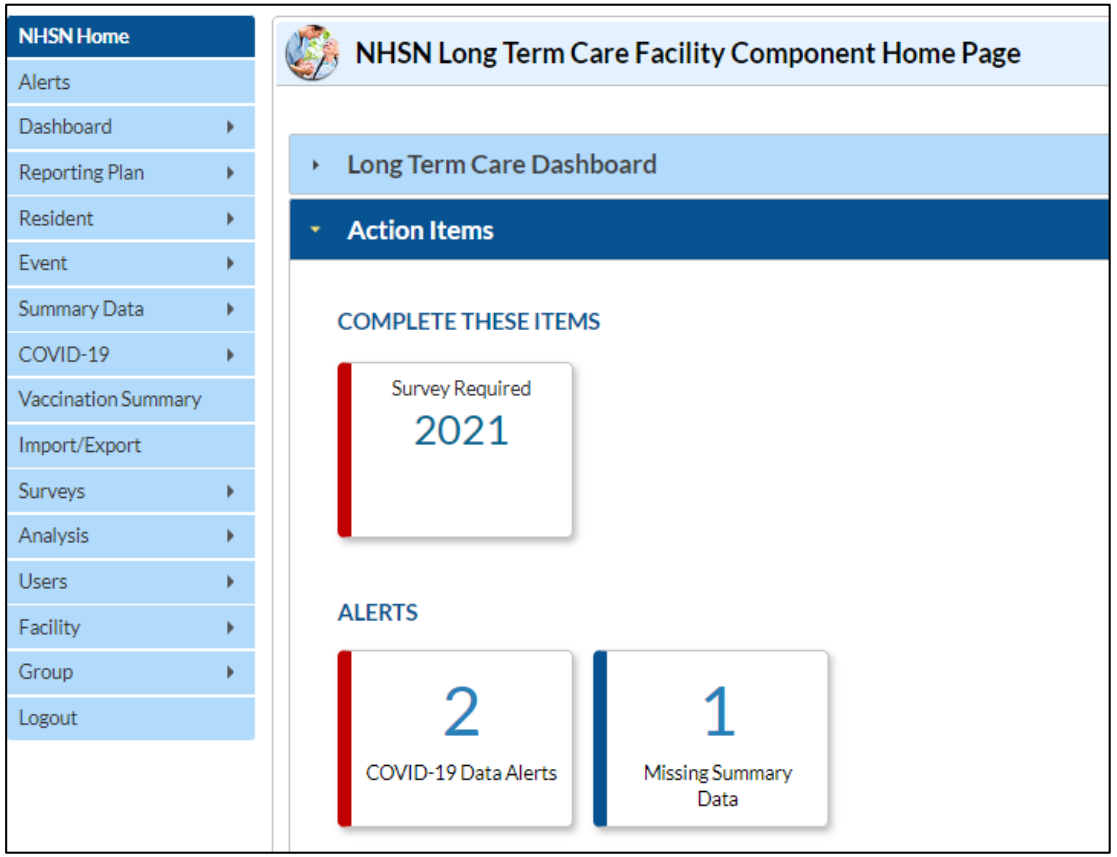
Click here to view the definitions on the data.cms.gov website.

Analysis Resources:

- COVID-19 Module Data Alerts [PDF – 500 KB] – April 5, 2021
- Correcting COVID-19 Module Data [PDF – 600 KB] – April 5, 2021
- NHSN LTCF COVID-19 Module Dashboard for Facility Users [PDF – 600 KB]

Alerts on Your Dashboard

Don’t ignore! Click on and explore!



Collection Date	COVID-19 Data Form Type		Variable	QA Flag Description	Confirmed
03/15/2021	RIFC	QA Alert	Resident - COVID-19 DEATHS	Multiple repeats of the same value for consecutive days	N
11/11/2020	RIFC	QA Alert	Resident - COVID-19 DEATHS	Multiple repeats of the same value for consecutive days	N

Page 1 of 1 50 View 1 - 2 of 2

New Training Slides Available

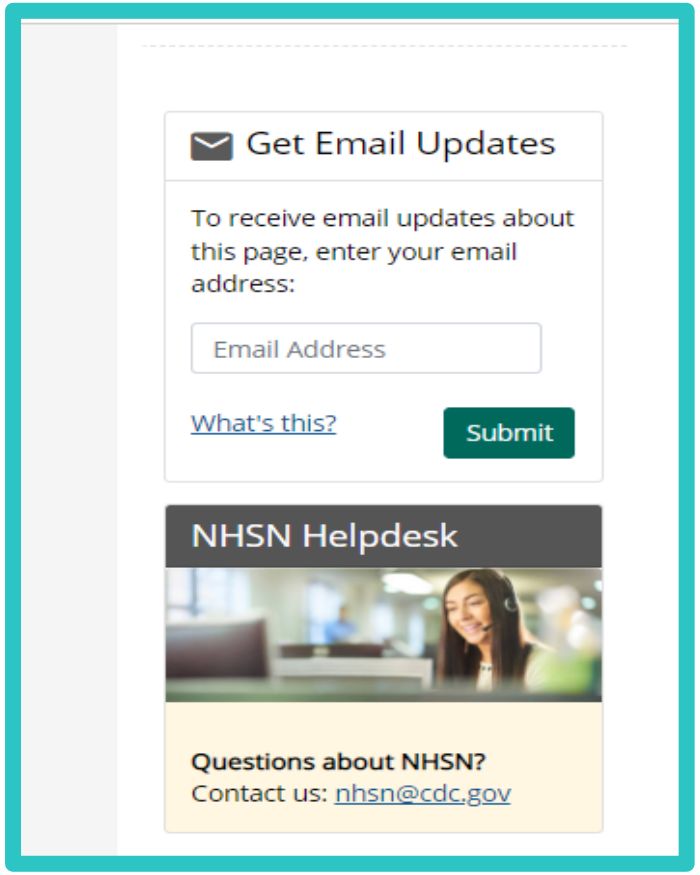
New Training slides are available from June 2022 Webinar

[Up to Date Vaccination Status: Surveillance Definition Change Training Slides]

[NHSN Event-Level/Person-Level Vaccination Forms: Office Hours and FAQs]

Date of Birth is a required field for all individuals in the facility and HCP as of June 27th since age (> 50 yrs. old) is part of the new up-to-date vaccination definition.

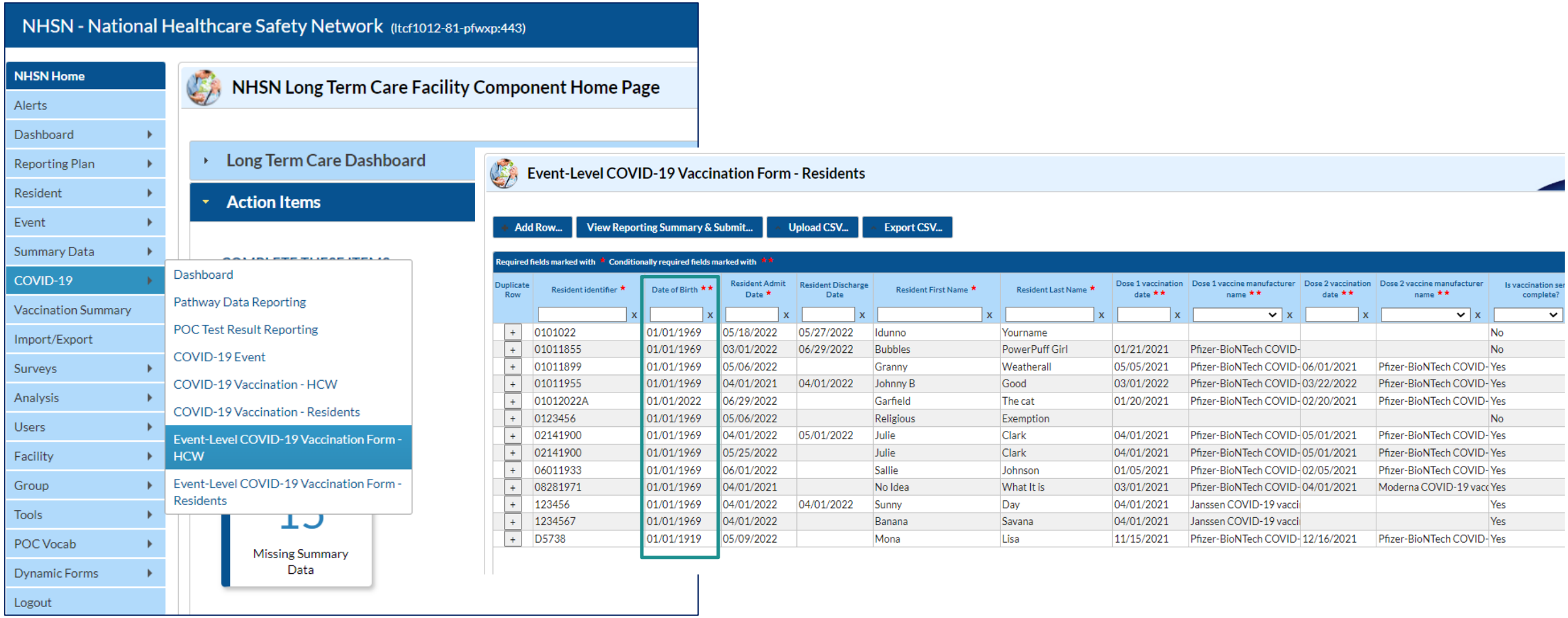
*Reminder! Are you signed up to get updates from NHSN? You should keep up with the changes to ensure your facility is in the **NHSN KNOW**. At the main NHSN website, scroll down and look for the Get Email Updates tab on the left-hand side.*



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

If You Use the Event Level Forms To Submit Vaccine Data

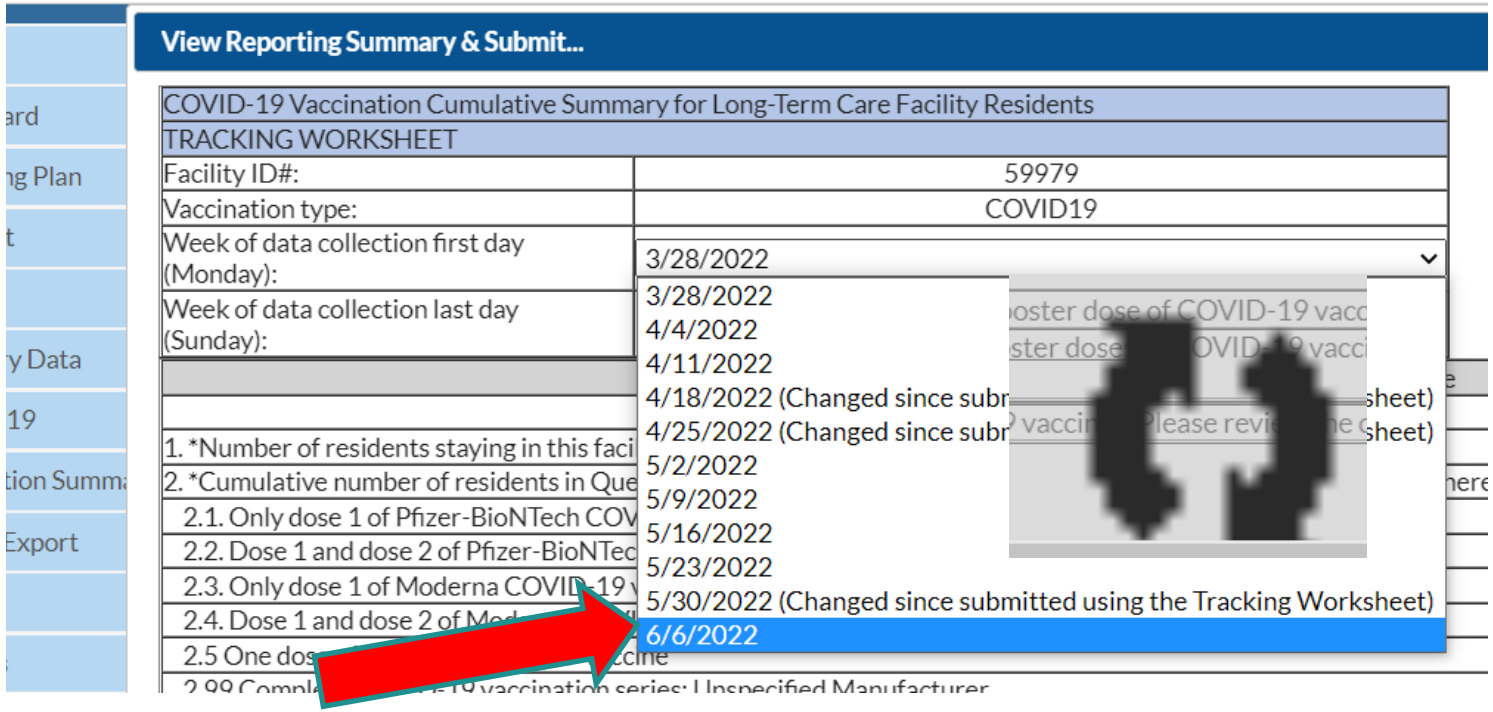
There are NO longer green rows to designate if data was submitted.

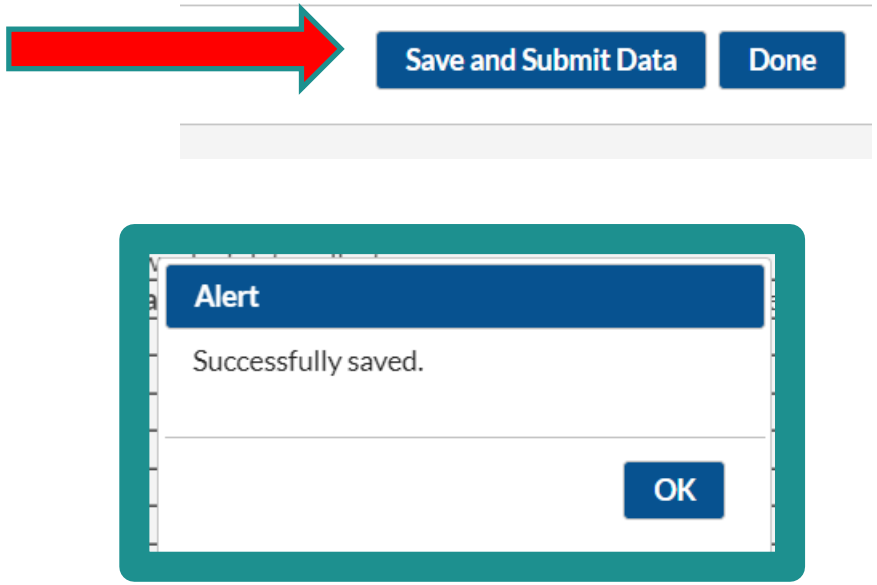


Click View Reporting Summary and Submit

For the CURRENT WEEK!!!

Wait for it to save. It may take a while, so be patient

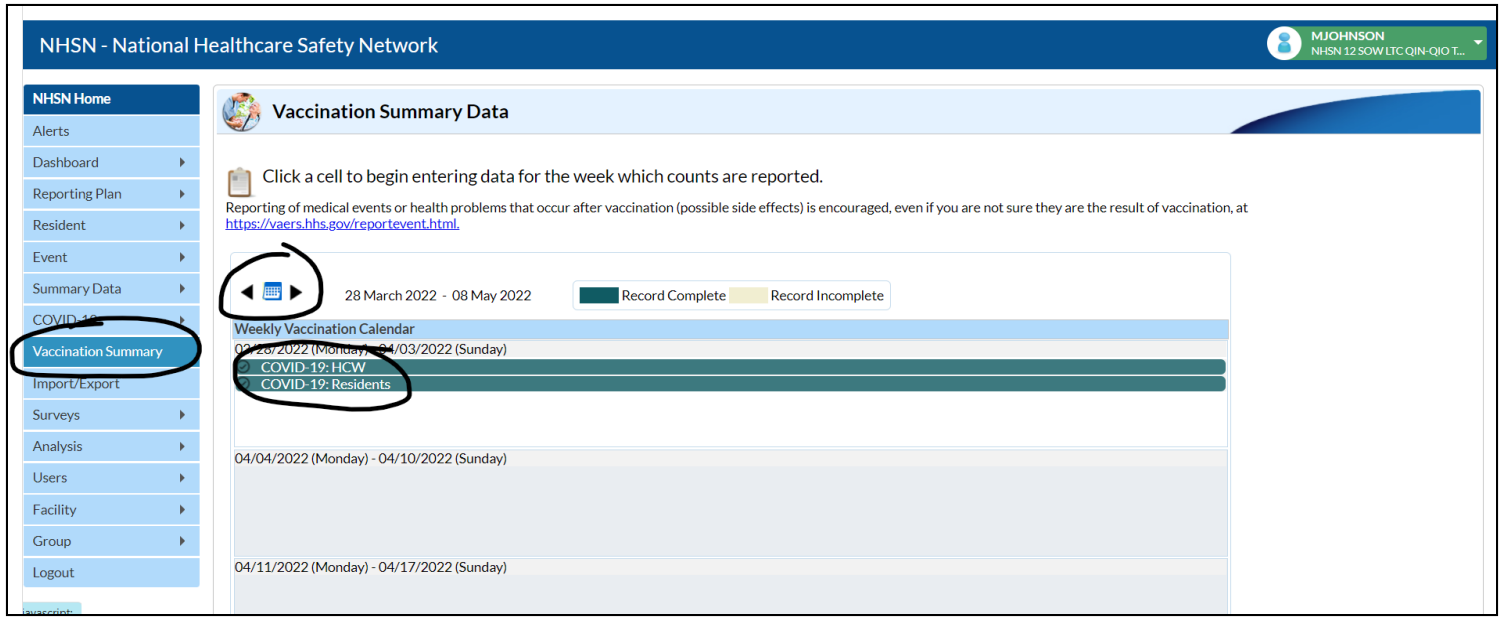




Double-Check Your Vaccine Data

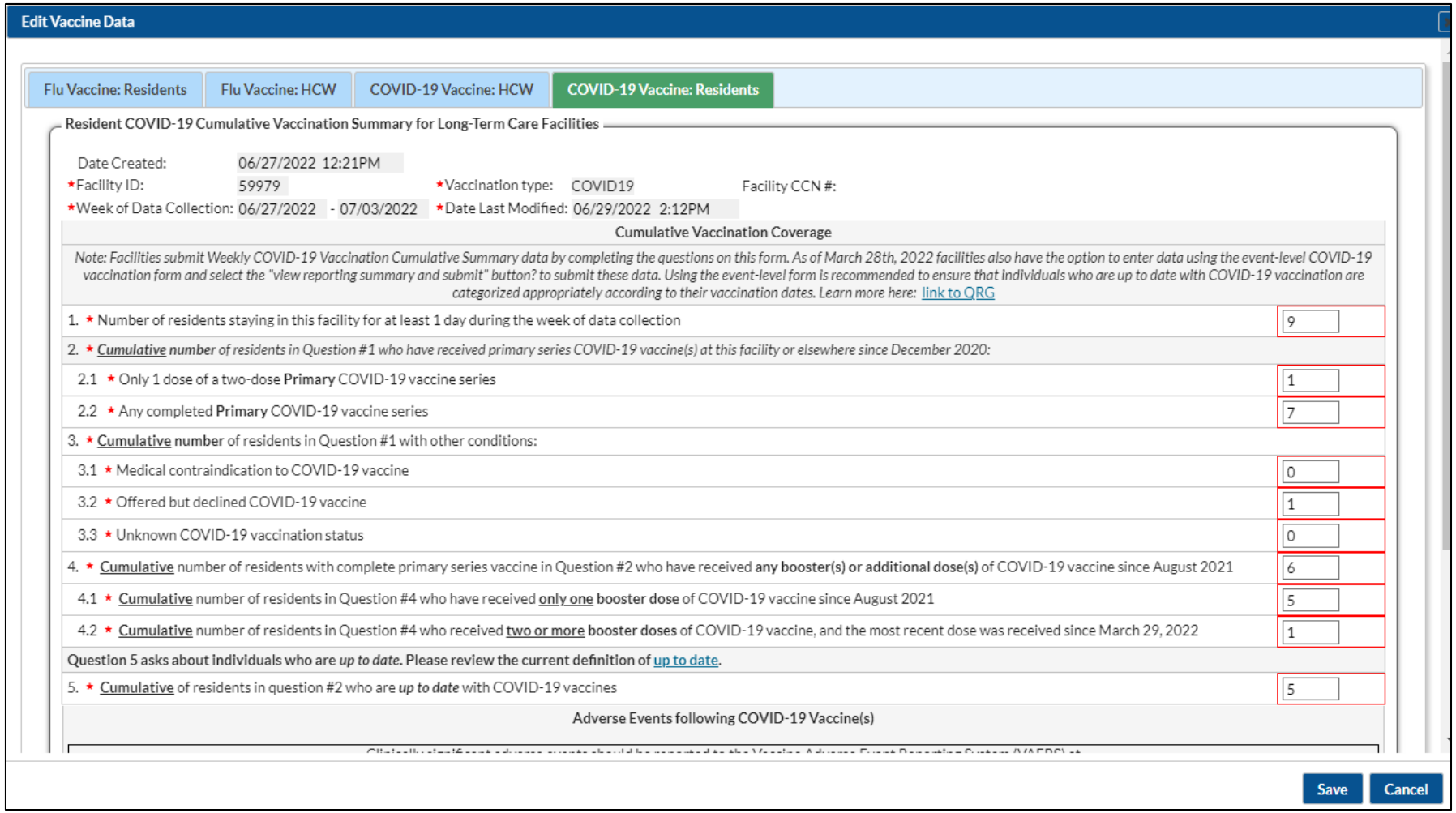
- Go to Vaccination Summary
- Ensure both HCW and residents are GREEN for the current week
- Ensure the data is accurate

Coming soon: A safeguard will be put in place to prevent users from inadvertently overriding their weekly summary data in their calendar view.



Edit Your Data if Needed

Open the week you want to edit in the calendar and edit your data, then save it.



How Do I Upload the Event Level Form Data?

As a reminder, the Optional Excel Data Tracking Worksheet has been retired. During the early transition phase, we provided one-time instructions on how to upload data tracking worksheet information into the Event-Level Form. **This was meant to be a one-time data transfer. Please do not upload the Optional Excel Data Tracking Worksheet to the Event-Level forms for weeks beginning with June 2022.** The Optional Excel Data Tracking Worksheets do not contain the new variables added in the May release. If you would like to upload data to the Event-Level (Person-Level) forms, please follow the instructions here: https://www.cdc.gov/nhsn/pdfs/ltc/covidvax/event-qrg-508.pdf to submit data via a .CSV template.

LTCF Event-Level (Person-Level) HCP Templates and Examples

.CSV File Template for LTCF HCP [XLS – 10 KB] – June 2022

Example .CSV File for LTCF HCP [XLS – 11 KB] – June 2022

LTCF Event-Level (Person-Level) Residents Templates and Examples

.CSV File Template for LTCF Residents [XLS – 10 KB] – June 2022

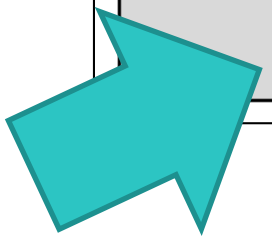
Example .CSV File for LTCF Residents [XLS – 11 KB] – June 2022

Definition of Up To Date for NHSN Surveillance

Review the definition of Up To Date using this link in your weekly vaccine summary.
You will need to keep an internal log of the up-to-date status of residents and staff using the most current definition.

The current definition through **Sept 2, 2022**:

Up to Date	**Question 5 asks about individuals who are up to date. Please review the current definition of up to date:** https://www.cdc.gov/nhsn/pdfs/hps/covidvax/UpToDateGuidance-May2022-508.pdf
	5. ***Cumulative number** of residents in question #2 who are up to date with COVID-19 vaccines



Current Up-To-Date Definition (June 27, 2022)

Reporting Period Quarter 3 2022 (June 27, 2022 – September 2, 2022)

The following definitions apply when reporting data through the NHSN COVID-19 Vaccination Modules for the reporting period of Quarter 3, 2022 (representing vaccination data for June 27, 2022 – September 2, 2022).

Up to date with COVID-19 vaccines

Individuals are considered up to date with their COVID-19 vaccines during the surveillance period of June 27, 2022 through September 2, 2022 for the purpose of NHSN surveillance if they meet (1) of the following criteria*:

If Under 50 Years:	If 50 Years and Older:
Received at least **one booster dose**	Received **second booster** dose (or received **first booster dose less than 4 months ago** and not yet eligible for a second booster dose)
or	or
Recently received all recommended doses in the **primary vaccine series** but is **not yet eligible for a booster dose**. This includes: a) Those who completed their 2-dose primary series of an mRNA COVID-19 vaccine (Pfizer-BioNTech or Moderna) **less than 5 months ago**. b) Those who received a single dose of Janssen **less than two months ago**.	**Recently** received all recommended doses in the **primary vaccine series** but is **not yet eligible for a booster dose**. This includes: a) Those who completed their 2-dose primary series of an mRNA COVID-19 vaccine (Pfizer-BioNTech or Moderna) **less than 5 months ago**. b) Those who received a single dose of Janssen **less than two months ago**.

*Individuals with a moderately to severely immunocompromising condition are considered up to date in the following cases:

1) Received an additional dose less than three months ago, if primary series was the Moderna or Pfizer-BioNTech COVID-19 vaccine; or

2) Received an additional dose less than two months ago, if primary series was the Janssen COVID-19 vaccine; or

3) Received an additional dose and one booster dose less than four months ago; or

4) Received a second booster dose.

*Reference this definition on the CDC website regularly.
https://www.cdc.gov/nhsn/pdfs/hps/covidvax/UpToDateGuidance-May2022-508.pdf

Best Practice for Validating Your NHSN Vaccination and Booster Rates

Quality Improvement Initiative (QII) rapid PDSA Worksheet
COVID Booster Uptake for Residents
Challenge Identifited: NHSN Reporting Errors
QIO Advisor: Marilee Johnson, Technical Advisor
marilee.johnson@allianthealth.org 919-695-8331

QUALITY IMPROVEMENT INITIATIVE

Project Name:	Booster Vaccinations Quality Improvement Project-**Action Plan**	**Date:**	**3/29/2022**
Facility Name:		**CCN:**	

e solved *Select All That Apply to your facility*

Through Root Cause Analysis (RCA), the QIO advisor & the facility quality team identified our current *booster* vaccination initiative has the following opportunities of improvement

☐ 1. Validate NHSN data & accurately submit COVID-19 booster data **weekly** into the National Healthcare Safety Network (NHSN) system.

Sample Data Table to Review Resident Booster Rates for Accuracy

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

Care Compare

COVID-19 Nursing Home Data- CMS.gov

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NHSN Website and Module Changes

Recent NHSN Trainings

Weekly HCP & Resident COVID-19 Vaccination Website

Training slides from the June 9th session will be uploaded to the NHSN website soon.

New CSV templates and example files (including date of birth and additional boosters):

Variable description and file layout for event-level (person-level) vaccination forms [PDF – 145 KB] – June 2022

CSV templates and examples files for residents of Long-term Care Facilities (LTCFs)

.CSV File Template for LTCF Residents [XLS – 10 KB] – June 2022

Example .CSV File for LTCF Residents [XLS – 11 KB] – June 2022

CSV templates and examples files for healthcare personnel of Long-term Care Facilities (LTCFs)

.CSV File Template for LTCF HCP [XLS – 10 KB] – June 2022

Example .CSV File for LTCF HCP [XLS – 11 KB] – June 2022

COVID-19 Pathway Update

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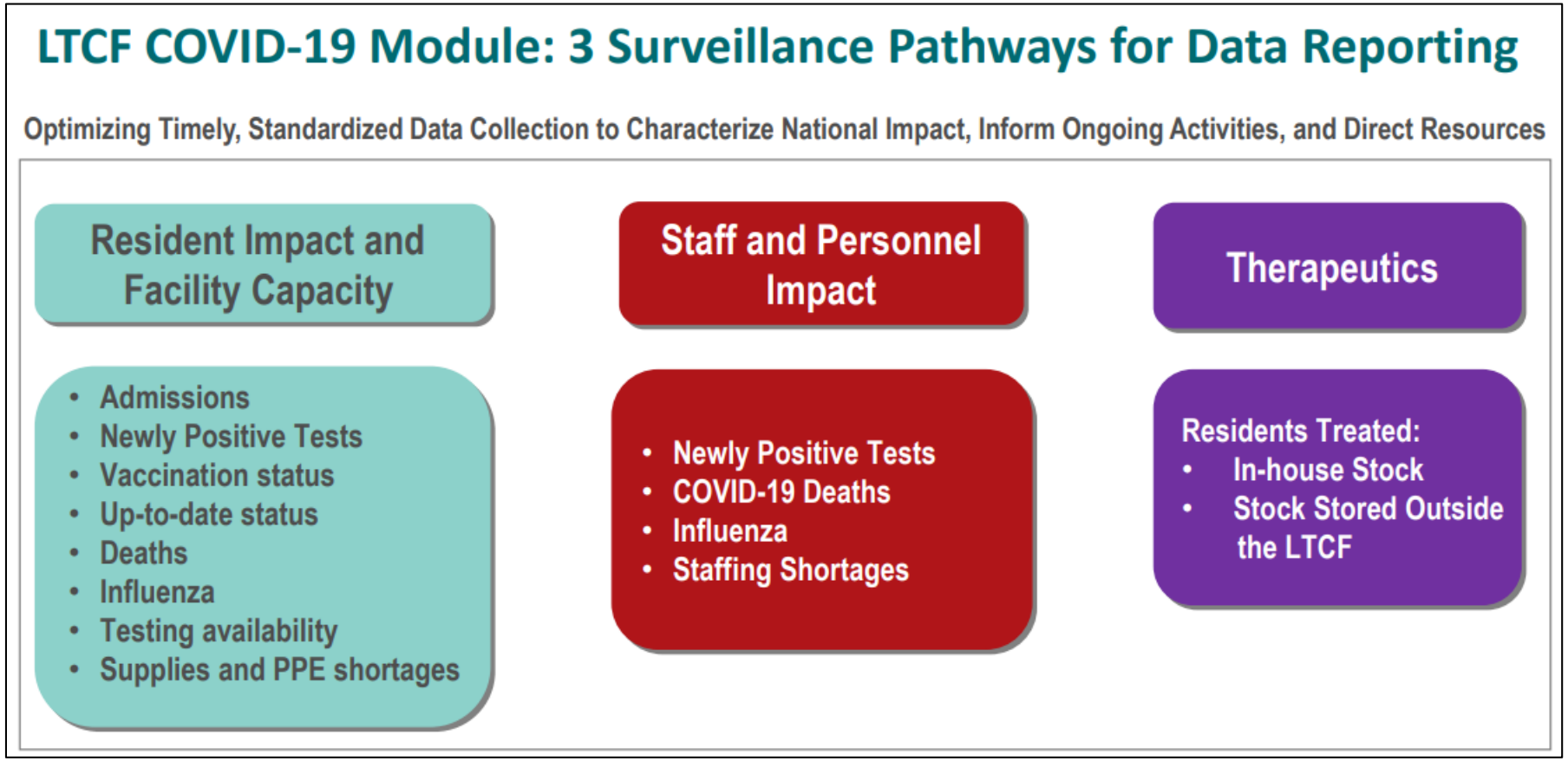
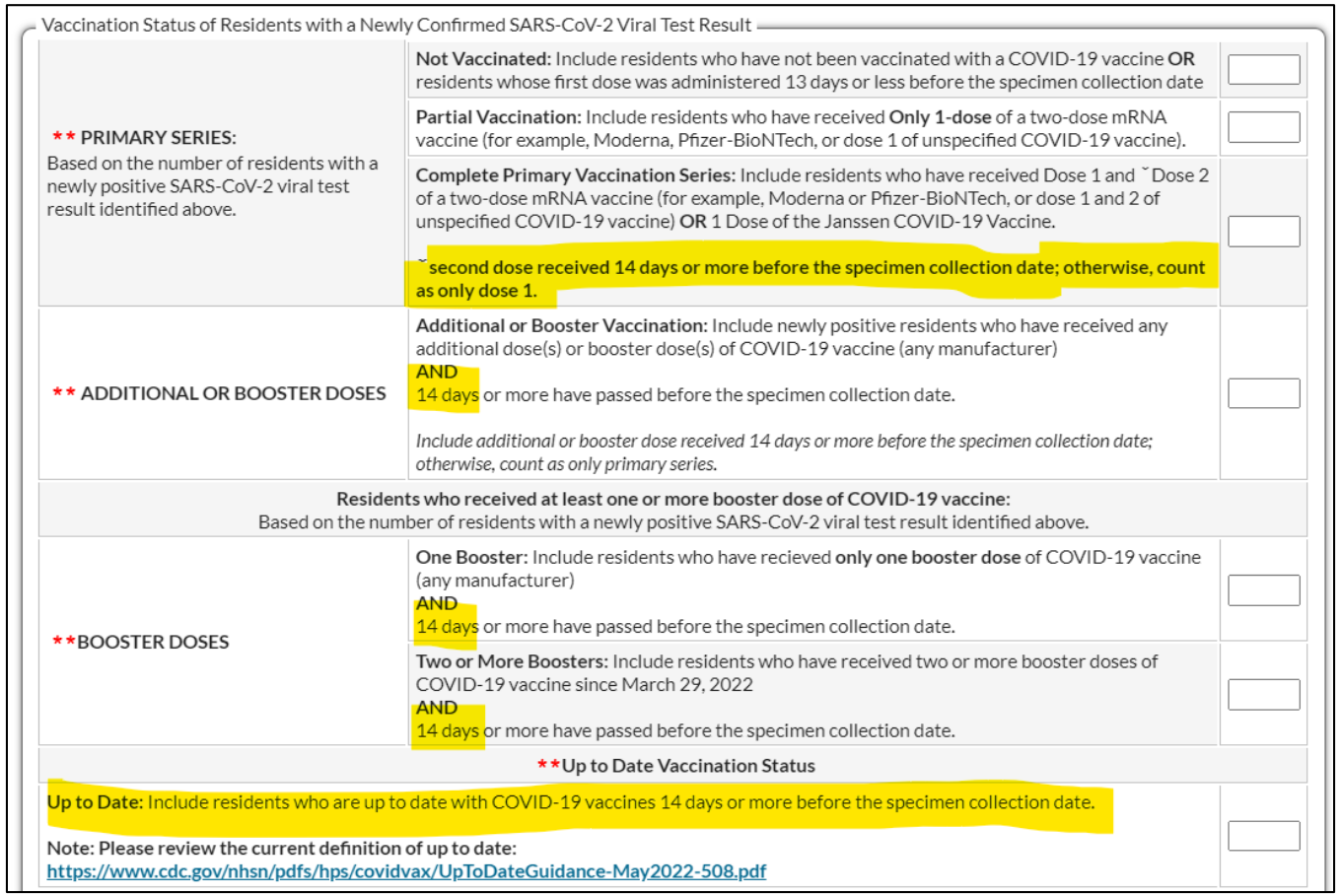
Slides Are Now Available For The Pathway Reporting

The slides from the *LTCF COVID-19 Module: Surveillance Pathways Updates* webinar training held on May 24 & 26 are now available on the NHSN website. You can find the slides under "**Training**" on the webpage: https://www.cdc.gov/nhsn/ltc/covid19/index.html.
LTCF COVID-19 Module: Surveillance Pathway Updates [PDF – 4 MB] – May 2022



Up To Date Vaccination Status

For **NHSN surveillance** for tracking your positive tests, to be up to date, you must count/include the **14 days or more before the specimen collection date for primary vaccination & boosters** status. The NHSN Surveillance definition/ timing differs from the guidelines in the infection prevention up-to-date status for isolation/quarantine. https://www.cdc.gov/coronavirus/2019-ncov/vaccines/stay-up-to-date.html



Vaccination Status of Residents with a Newly Confirmed SARS-CoV-2 Viral Test Result

** PRIMARY SERIES: Based on the number of residents with a newly positive SARS-CoV-2 viral test result identified above.	**Not Vaccinated:** Include residents who have not been vaccinated with a COVID-19 vaccine **OR** residents whose first dose was administered 13 days or less before the specimen collection date	
	Partial Vaccination: Include residents who have received **Only 1-dose** of a two-dose mRNA vaccine (for example, Moderna, Pfizer-BioNTech, or dose 1 of unspecified COVID-19 vaccine).	
	Complete Primary Vaccination Series: Include residents who have received Dose 1 and ˇDose 2 of a two-dose mRNA vaccine (for example, Moderna or Pfizer-BioNTech, or dose 1 and 2 of unspecified COVID-19 vaccine) **OR** 1 Dose of the Janssen COVID-19 Vaccine. ˇsecond dose received 14 days or more before the specimen collection date; otherwise, count as only dose 1.	
** ADDITIONAL OR BOOSTER DOSES	**Additional or Booster Vaccination:** Include newly positive residents who have received any additional dose(s) or booster dose(s) of COVID-19 vaccine (any manufacturer) AND 14 days or more have passed before the specimen collection date. *Include additional or booster dose received 14 days or more before the specimen collection date; otherwise, count as only primary series.*	
Residents who received at least one or more booster dose of COVID-19 vaccine: Based on the number of residents with a newly positive SARS-CoV-2 viral test result identified above.		
**BOOSTER DOSES	**One Booster:** Include residents who have recieved **only one booster dose** of COVID-19 vaccine (any manufacturer) AND 14 days or more have passed before the specimen collection date.	
	Two or More Boosters: Include residents who have received two or more booster doses of COVID-19 vaccine since March 29, 2022 AND 14 days or more have passed before the specimen collection date.	
**Up to Date Vaccination Status		
Up to Date: Include residents who are up to date with COVID-19 vaccines 14 days or more before the specimen collection date. **Note: Please review the current definition of up to date:** https://www.cdc.gov/nhsn/pdfs/hps/covidvax/UpToDateGuidance-May2022-508.pdf		

NHSN surveillance definition:
Covid-19 Up to Date Vaccination Guidance (cdc.gov)

Current Up-To-Date Vaccination

Reporting Period Quarter 3 2022 (June 27, 2022 – September 2, 2022)

The following definitions apply when reporting data through the NHSN COVID-19 Vaccination Modules for the reporting period of Quarter 3, 2022 (representing vaccination data for June 27, 2022 – September 2, 2022).

Up to date with COVID-19 vaccines

Individuals are considered up to date with their COVID-19 vaccines during the surveillance period of June 27, 2022 through September 2, 2022 for the purpose of NHSN surveillance if they meet (1) of the following criteria*:

If Under 50 Years:	If 50 Years and Older:
Received at least **one booster dose**	Received **second booster** dose (or received **first booster dose less than 4 months ago** and not yet eligible for a second booster dose)
or	or
Recently received all recommended doses in the **primary vaccine series** but is **not yet eligible for a booster dose**. This includes: a) Those who completed their 2-dose primary series of an mRNA COVID-19 vaccine (Pfizer-BioNTech or Moderna) **less than 5 months ago**. b) Those who received a single dose of Janssen **less than two months ago**.	**Recently** received all recommended doses in the **primary vaccine series** but is **not yet eligible for a booster dose**. This includes: a) Those who completed their 2-dose primary series of an mRNA COVID-19 vaccine (Pfizer-BioNTech or Moderna) **less than 5 months ago**. b) Those who received a single dose of Janssen **less than two months ago**.

*Individuals with a moderately to severely immunocompromising condition are considered up to date in the following cases:

1) Received an additional dose less than three months ago, if primary series was the Moderna or Pfizer-BioNTech COVID-19 vaccine; or

2) Received an additional dose less than two months ago, if primary series was the Janssen COVID-19 vaccine; or

3) Received an additional dose and one booster dose less than four months ago; or

4) Received a second booster dose.

Primary vaccine series

Completing a primary vaccine series means receiving:

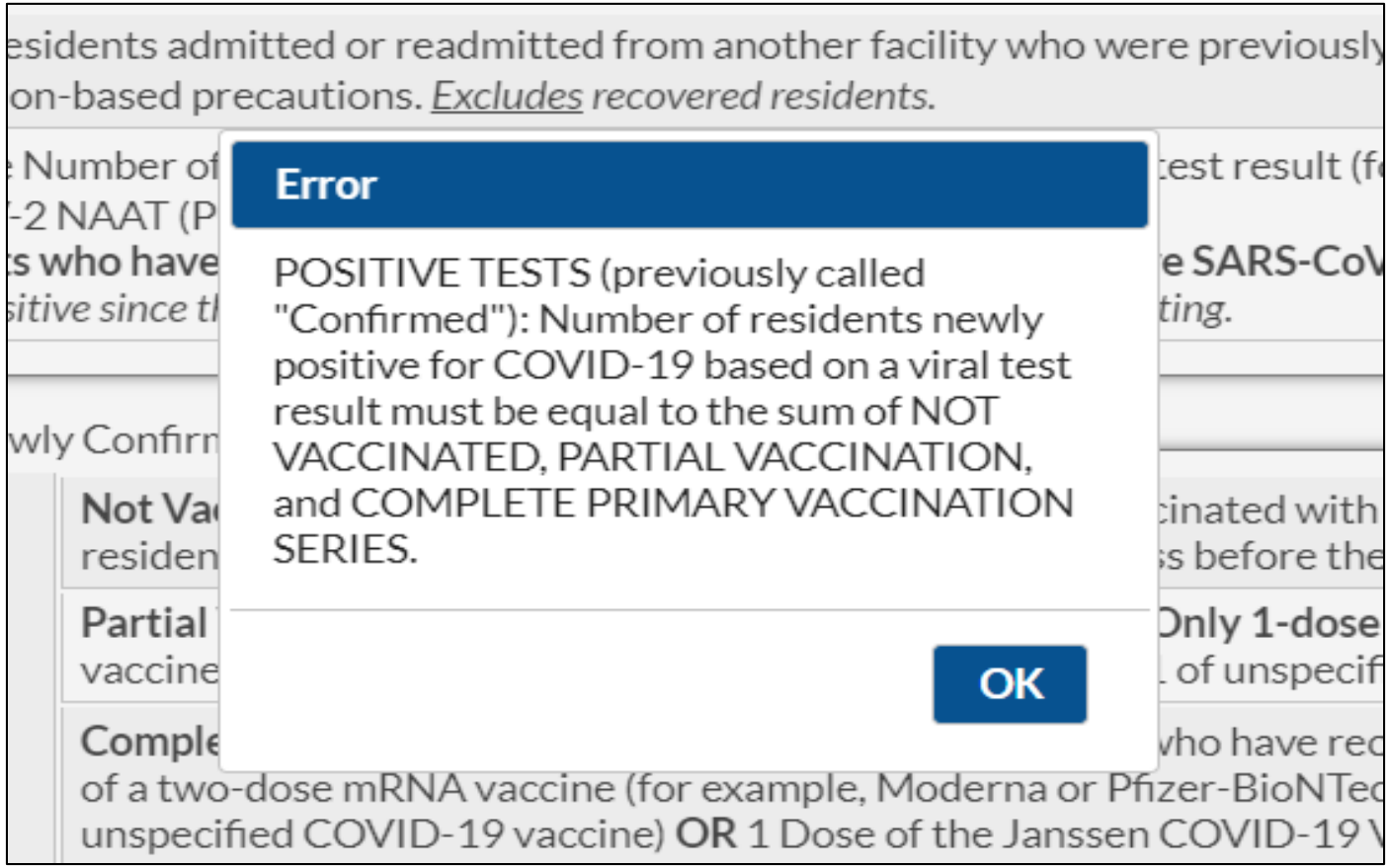
- A 2-dose series of an mRNA COVID-19 vaccine (Pfizer-BioNTech and Moderna), **OR**
- A single dose of Janssen COVID-19 vaccine

[Covid-19 Up to Date Vaccination Guidance (cdc.gov)]

Common Errors for COVID Pathway

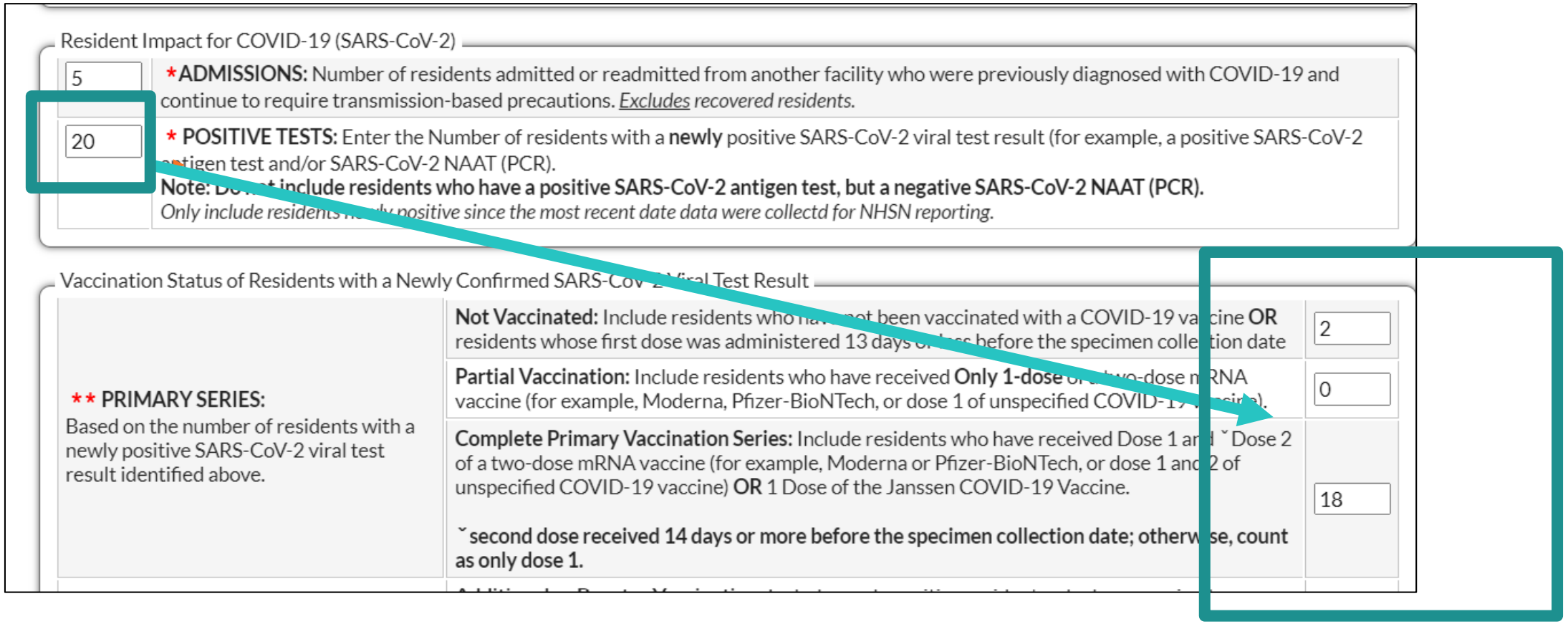
For **each positive test**, summarize the vaccination status for the newly confirmed viral test result.

1. Not vaccinated
2. Partial vaccination
3. Complete vaccination



Resident Impact Pathway

Positive tests must equal the sum of Not Vaccinated + Partial + Complete Primary



Take Care to Submit Accurately!

** ADDITIONAL OR BOOSTER DOSES	**Additional or Booster Vaccination:** Include newly positive residents who have received any additional dose(s) or booster dose(s) of COVID-19 vaccine (any manufacturer) **AND** 14 days or more have passed before the specimen collection date. *Include additional or booster dose received 14 days or more before the specimen collection date; otherwise, count as only primary series.*	15
Residents who received at least one or more booster dose of COVID-19 vaccine: Based on the number of residents with a newly positive SARS-CoV-2 viral test result identified above.		
**BOOSTER DOSES	**One Booster:** Include residents who have recieved **only one booster dose** of COVID-19 vaccine (any manufacturer) **AND** 14 days or more have passed before the specimen collection date.	10
	Two or More Boosters: Include residents who have received two or more booster doses of COVID-19 vaccine since March 29, 2022 **AND** 14 days or more have passed before the specimen collection date.	0
**Up to Date Vaccination Status		
Up to Date: Include residents who are up to date with COVID-19 vaccines 14 days or more before the specimen collection date. **Note: Please review the current definition of up to date:** https://www.cdc.gov/nhsn/pdfs/hps/covidvax/UpToDateGuidance-May2022-508.pdf		16

Questions or Need Help?

Please submit questions by email to nhsn@cdc.gov and put the module in the subject line for a faster response.
Facilities can contact CMS with questions about reporting requirements and quality reporting:

- Long-term care facilities weekly reporting: DNH_TriageTeam@cms.hhs.gov
- Skilled nursing facilities quality reporting program: SNFQualityQuestions@cms.hhs.gov

Questions?

Thank You for Your Time!
Contact the Patient Safety Team

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IQUALITY IMPROVEMENT & INNOVATION GROUP

Mark Your Calendar!

Shop Talk 3rd Thursdays at 2pm ET

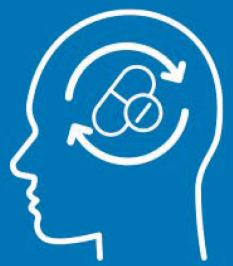
Registration Links:

[Thursday, August 18, 2022]
[Thursday, September 15, 2022]
[Thursday, October 20, 2022]
[Thursday, November 17, 2022]
[Thursday, December 15, 2022]

Visit our website for more info:

https://quality.allianthealth.org/topic/shop-talks/

Nursing Home and Partnership for Community Health:
CMS 12th SOW GOALS



OPIOID UTILIZATION AND MISUSE

Promote opioid best practices

•

Reduce opioid adverse drug events in all settings

PATIENT SAFETY

Reduce hospitalizations due to c. diff

•

Reduce adverse drug events

•

Reduce facility acquired infections

CHRONIC DISEASE SELF-MANAGEMENT

Increase instances of adequately diagnosed and controlled hypertension

•

Increase use of cardiac rehabilitation programs

•

Reduce instances of uncontrolled diabetes

•

Identify patients at high-risk for kidney disease and improve outcomes

CARE COORDINATION

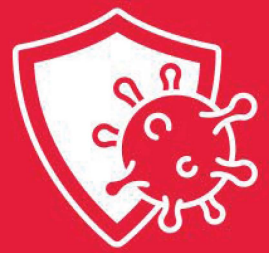
Convene community coalitions

•

Reduce avoidable readmissions, admissions to hospitals and preventable emergency department visits

•

Identify and promote optimal care for super utilizers



COVID-19

Support nursing homes by establishing a safe visitor policy and cohort plan

•

Provide virtual events to support infection control and prevention

•

Support nursing homes and community coalitions with emergency preparedness plans

IMMUNIZATION

Increase influenza, pneumococcal, and COVID-19 vaccination rates

TRAINING

Encourage completion of infection control and prevention trainings by front line clinical and management staff

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