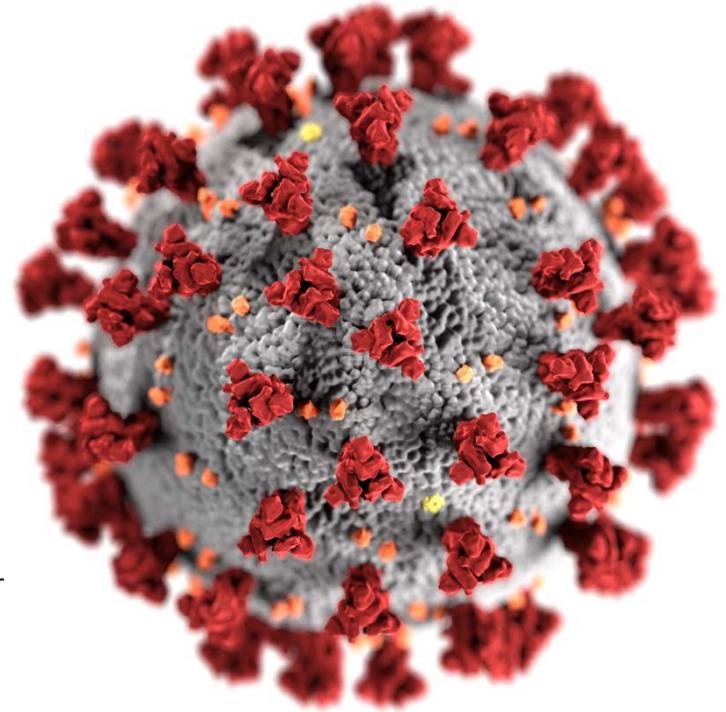


National Healthcare Safety Network (NHSN) LTCF COVID-19 Module Training

LTCF COVID-19 Module: Resident Impact and Facility Capacity Surveillance Reporting Pathway

Presenter: Angela Anttila, PhD, MSN, NPC, CIC
Nurse Epidemiologist, Division of Healthcare Quality Promotion, Centers for
Disease Control and Prevention, Surveillance Branch



cdc.gov/coronavirus



LEARNING OBJECTIVE 1

Discuss NHSN
COVID-19 reporting
options for long-
term care facilities
(LTCFs)

LEARNING OBJECTIVE 2

Review steps to
access COVID-19
Module and the five
surveillance
pathways for data
reporting

LEARNING OBJECTIVE 3

Apply NHSN criteria
to surveillance data
reporting in the
Resident Impact and
Facility Capacity
pathway of the
COVID-19 Module



Overview

National Healthcare Safety Network (NHSN) and COVID-19 Reporting



NATIONAL HEALTHCARE SAFETY NETWORK (NHSN)

- Secure, internet-based surveillance system managed by the Centers for Disease Control and Prevention (CDC)
- Open to a variety of healthcare facilities in the United States
- Tool for the collection, analyses, and summarization of data on healthcare associated infections (HAIs), adverse healthcare events, antimicrobial use and resistance, adherence to prevention practices, exposures, and outcomes
- Collaborations with local and state public health agencies, and professional groups



Optimizing Timely, Systematic Data Collection to Characterize, Inform, and Strengthen

**Surveillance Pathways
Data**

**COVID-19 Point-of-Care
(POC) Test Reporting
Tool**

COVID-19 Vaccinations

LTCF COVID-19 Module



NHSN Long-term Care Facility Types

Skilled Nursing Facilities (SNF) / Nursing Homes (NH)

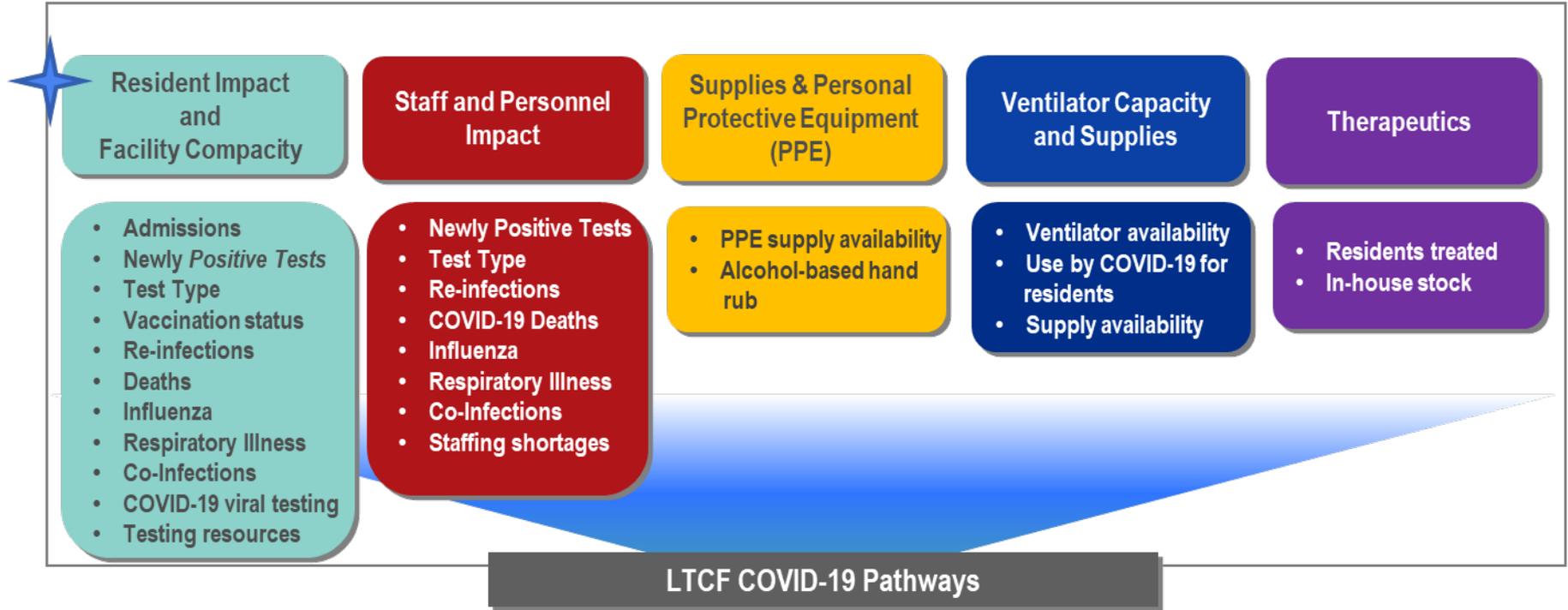
Assisted Living Facilities (AL) and Residential Care Facilities

Intermediate Care Facilities for Individuals with Intellectual Disabilities
(labeled in NHSN as *Intermediate and chronic care facilities for developmentally disabled -LTC-DEVDIS*)



LTCF COVID-19 Module: 5 Surveillance Pathways

Optimizing Timely, Standardized Data Collection to Characterize National Impact, Inform Ongoing Activities, and Direct Resources



Tips for Surveillance Pathway Data Reporting

- Report in each pathway at least once per week
- Respond to **non-count** questions once per week
- Report only **NEW counts** since the last time counts were reported to NHSN
- Report new counts on the correct date for reporting week when possible



Important! Facilities reporting to NHSN do still need to follow state and local public health reporting requirements

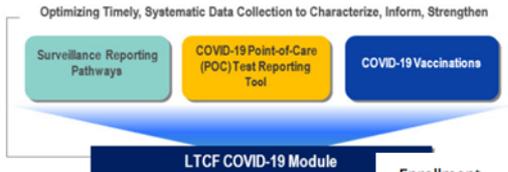


One Stop Browsing for NSHN LTCF COVID-19 Module Resources

Visit [NSHN LTCF COVID-19 Module web-page](https://www.cdc.gov/nhsn/ltc/covid19/index.html) for reporting resources

LTCF COVID-19 Module

CDC's [NHSN](#) provides healthcare facilities, such as long-term care facilities (LTCFs), with a secure reporting platform for reporting outcomes and process measures in a systematic way. Reported data are immediately available for use in strengthening local and national surveillance, monitoring trends in infection rates, assisting in identifying resource insecurities, and informing progress toward infection prevention goals.



The [NHSN Long-term Care Facility Component](#) supports the nation's COVID-19 response through the LTC Module. Facilities eligible to report data to NHSN's COVID-19 Module include nursing homes/skilled nursing for the developmentally disabled, and assisted living facilities.

Data reported into the LTCF COVID-19 Module **Surveillance Reporting Pathways** facilitate assessment of COVID-19 through facility reported surveillance data. Examples of data reported in the pathways include

- Counts of residents and facility personnel newly positive for COVID-19 based on viral test results.
- COVID-19 vaccination status of residents newly positive for COVID-19.
- Re-infections in residents and facility personnel previously infected with COVID-19.
- COVID-19 related death counts among residents and facility personnel.
- Staffing shortages.

Enrollment	+
Enhancing Data Security	+
Training	+
Data Collection Forms & Instructions	+
Resources	+

Get NHSN COVID-19 Updates

For continued NHSN COVID-19 updates, please enter your email address. NHSN facility and group users do not need to sign up, you will receive them automatically.

Email



Nursing Home
COVID-19 Data
Dashboard

CDC COVID-19 Info

Get the latest information from the CDC about COVID-19

FAQs

[POC Testing Reporting Tool FAQs](#)

[PDF - 1 MB]

CMS Requirements

<https://www.cdc.gov/nhsn/ltc/covid19/index.html>

View Data Collection Forms and Form Instructions

OMB Approved
OMB No: 0920-1209
Exp. Date: 01/31/2024
www.cdc.gov/nhsn

NHSN
NATIONAL HEALTHCARE
SAFETY NETWORK

COVID-19 Module
Long Term Care Facility: Resident Impact and Facility Capacity

Page 1 of 3 *Required to save: **Conditional

NHSN Facility ID:	CMS Certification Number (CCN):
Facility Name:	Facility Type:
*Date for which counts/responses are reported: / / *Date Created: / /	

Counts should be reported on the correct calendar day and include only the new counts for the calendar day (specifically, since counts were last collected). If the count is zero, a "0" must entered as the response. A blank response is equivalent to missing data. **NON-count** questions should be answered one calendar day during the reporting week.

Facility Capacity
**ALL BEDS (enter on first survey only, unless the total bed count has changed)
*CURRENT CENSUS: Total number of beds that are occupied on the reporting calendar day

Resident Impact for COVID-19 (SARS-CoV-2)
ADMISSIONS: Number of residents admitted or readmitted from another facility who were previously diagnosed with COVID-19 and continue to require transmission-based precautions. <i>Excludes</i> recovered residents.
POSITIVE TESTS (previously called "Confirmed"): Number of residents newly positive for COVID-19 based on a viral test result.
**TEST TYPE: Based on the number of reported Positive Tests, indicate how many were tested using each of the following: _____ **Positive SARS-CoV-2 antigen test only [no other testing performed] _____ **Positive SARS-CoV-2 NAAT (PCR) only [no other testing performed] _____ **Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR) _____ **Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test • ‡ Only include if the two tests were performed within 2 days of each other . Otherwise, count first test only. • Important: The total for Test Type must equal the total for Positive Tests
CALCULATED TOTAL CONFIRMED (not editable by user):
** VACCINATION STATUS: For positives in each test type category, indicate how many residents received COVID-19 vaccination before the positive test: Positive SARS-CoV-2 antigen test only [no other testing performed]: <input type="checkbox"/> Not vaccinated with COVID-19 vaccine: _____

February 2021 (V.6)

NHSN
NATIONAL HEALTHCARE
SAFETY NETWORK

Instructions for Completion of the COVID-19 Long-term Care Facility (LTCF) Resident Impact and Facility Capacity Form (CDC 57.144)

Data Field	Instructions for Form Completion
NHSN Facility ID #	The NHSN-assigned facility ID will be auto-generated by the system.
CMS Certification Number (CCN) may be referred to as participation number	Auto-generated by the computer, if applicable, based on the CCN entered during NHSN registration or last updated, if previously edited. Please see NHSN CCN Guidance document for instructions on how to add a new CCN or edit an existing CCN.
Facility Name	Auto-generated by the system based on the facility name previously entered during NHSN registration.
Date for which counts are reported	Required. Select the date on the calendar for which the counts and/or responses in the Resident Impact and Facility Capacity pathway apply. For example, if reporting the number of residents with positive SARS-CoV-2 (COVID-19) viral test results for specimens collected on Monday of the reporting week, Monday should be selected on the calendar as the day for which counts are being reported in the "Resident Impact and Facility Capacity" pathway.
Facility Type	Auto-generated based on the facility type selected during NHSN enrollment. Selections include: <ul style="list-style-type: none"> LTC-ASSIST – Assisted Living Residence LTC-DEVIDS – Long-term Care Facility for the Developmentally Disabled LTC-SKILLNURS – Skilled Nursing Facility** **Includes both skilled nursing facilities and nursing homes Please see NHSN Guidance document for instructions on How to Correct Your Facility Type if this information is incorrect.
Date Created	Auto-generated based on the first calendar date and time that a user manually enters and saves data or the date the facility first submits a CSV file for a specific pathway. Note: The date and time will automatically generate after the "Save" button is selected and cannot be modified.

Important:
Counts should be reported on the correct calendar day for the reporting week. Report only the



<https://www.cdc.gov/nhsn/pdfs/covid19/lctf/57.144-toi-508.pdf>

Surveillance Pathway Data Reporting

Options for Reporting Data to NHSN: CSV Import and Manual



NHSN Home Page > COVID-19 > Daily Entry > Calendar View Opens

The screenshot displays the NHSN National Healthcare Safety Network interface. At the top, the CDC logo and 'Centers for Disease Control and Prevention' are on the left, and the NHSN logo and 'NATIONAL HEALTHCARE SAFETY NETWORK' are on the right. Below this is a dark blue header with 'NHSN - National Healthcare Safety Network (AWDV-NHSN-WL01:8001)' and a user profile for 'VTB9 Pile Nursing Home'. The left sidebar contains a navigation menu with categories like 'NHSN Home', 'Alerts', 'Dashboard', 'Reporting Plan', 'Resident', 'Event', 'Summary Data', 'COVID-19', 'Vaccination Summary', 'Import/Export', 'Surveys', 'Analysis', 'Users', 'Facility', 'Group', 'Tools', and 'Logout'. The 'COVID-19' section is expanded, showing a dropdown menu with options: 'Dashboard', 'Daily Entry' (highlighted), 'POC Test Result Reporting', 'COVID-19 Vaccination - HCW', and 'COVID-19 Vaccination - Residents'. The main content area is titled 'NHSN Long Term Care Facility Component Home Page' and contains a 'Long Term Care Dashboard' and an 'Action Items' section. Below this is a calendar view for the period '20 December 2020 - 30 January 2021'. The calendar grid shows dates from Dec 20 to Jan 02. Data points are represented by colored bars: green for 'Record Complete' and yellow for 'Record Incomplete'. A legend at the top of the calendar indicates these colors. A 'Pharmacy Partnership Program' link is also visible. The calendar shows entries for 'Resident', 'Therapeutics', 'Staff', 'Syringes', 'Ventilator', and 'Syringes' across various dates.



Use Arrow Icons to Navigate Dates

 COVID-19

 Click a cell to begin entering data on the day for which counts are reported.

 31 January 2021 - 13 March 2021

Record Complete Record Incomplete [Pharmacy Partnership Program](#)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		03	04	05	06
		10	11	12	13
14	15	16	17	18	20
21	22	23	24	25	26
27	28	Mar 01	02	03	04
				05	06

- Calendar will default to current month
- Use Arrow icons to navigate

Options for Surveillance Pathway Data Reporting



Importing CSV files

[Groups](#); [Facility](#)



Manual Data entry

Each Saved Pathway will be Highlighted as..... Complete or Incomplete



COVID-19

Record Complete: Pathway saved with all questions answered

Record Incomplete: Pathway saved with one or more unanswered questions

Click a cell to begin entering data on the day for which counts are reported.

31 January 2021 - 13 March 2021

Record Complete Record Incomplete

[Pharmacy Partnership Program](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
31	Feb 01	02 <input checked="" type="checkbox"/> Resident <input type="checkbox"/> Staff <input checked="" type="checkbox"/> Therapeutics	03	04	05
07	08	09	10	11	12

Import and Export Options



COVID-19

Click a cell to begin entering data on the day for which counts are reported.



31 January 2021 - 13 March 2021

Record Complete

Record Incomplete

[Pharmacy Partnership Program](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
31	Feb 01	02 <ul style="list-style-type: none"><input checked="" type="radio"/> Resident<input type="radio"/> Staff<input checked="" type="radio"/> Therapeutics	03	04	05
07	08	09	10	11	12
			17	18	19

2

1

optional

Upload CSV...

Download CSV Template...

Export CSV...

Considerations for Importing Data to NHSN



A facility can choose to have a group report data on its behalf

Manually entered data will over-ride uploaded data if submission dates are the same

Uploaded data by one group can be overwritten by a second group uploading data for the same LTCF



Resources for Importing Data

Visit [NSHN LTCF COVID-19 Module web-page](https://www.cdc.gov/nhsn/ltc/covid19/index.html)

LTCF COVID-19 Module

CDC's NSHN provides healthcare facilities, such as long-term care facilities (LTCF), with a secure reporting platform for reporting outcomes and process measures in a systematic way. Reported data are immediately available for use in strengthening local and national surveillance, monitoring trends in infection rates, assisting in identifying resource insecurities, and informing progress toward infection prevention goals.

The NSHN Long-term Care Facility-Care Module. Facilities eligible to report data for the developmentally disabled, and

Optimizing Timely, Systematic Data Collection to Characterize, Inform, Strengthen

- Surveillance Reporting Pathway
- COVID-19 Physical Care (PCC) Test Reporting Tool
- COVID-19 Vaccination

LTCF COVID-19 Module

Enrollment	+
Enhancing Data Security	+
Training	+
Data Collection Forms & Instructions	+
Resources	+

- CSV data file templates for facility and groups
- Guidance documents with importing requirements [variable names, values, format, description]

Importing Data Resources

- **Facility Level** CSV File Templates for Surveillance Reporting Pathways
 - [How to Upload COVID-19 CSV Data Files](#) [PDF - 1 MB] - February 4, 2021
 - [Resident Impact and Facility Capacity Template](#) [CSV - 1 KB] - February 4, 2021
 - [Staff and Personnel Impact Template](#) [CSV - 1 KB] - November 23, 2020
 - [Supplies and Personal Protective Equipment Template](#) [CSV - 1 KB]
 - [Ventilator Capacity and Supplies Template](#) [CSV - 1 KB]
 - [Resident Therapeutics Template](#) [CSV - 1 KB] - February 4, 2021
- **Group Level** CSV File Templates for Surveillance Reporting Pathways
 - [Viewing and Uploading COVID-19 CSV Data Files](#) [PDF - 1 MB] - February 4, 2021
 - [Resident Impact and Facility Capacity Template](#) [CSV - 1 KB] - February 4, 2021
 - [Staff and Personnel Impact Template](#) [CSV - 1 KB] - November 23, 2020
 - [Supplies and Personal Protective Equipment Template](#) [CSV - 1 KB]
 - [Ventilator Capacity and Supplies Template](#) [CSV - 1 KB]
 - [Resident Therapeutics Template](#) [CSV - 1 KB] - February 4, 2021



<https://www.cdc.gov/nhsn/ltc/covid19/index.html>

Manual Data Entry

Resident Impact and Facility Capacity Pathway

NHSN COVID-19 Module





Click a cell to begin entering data on the day for which counts are reported.



31 January 2021 - 13 March 2021

Record Complete

Record Incomplete

[Pharmacy Partnership Program](#)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	Feb 01	02 <input checked="" type="checkbox"/> Resident <input checked="" type="checkbox"/> Staff <input checked="" type="checkbox"/> Therapeutics	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	Mar 01	02	03	04	05	06
07	08	09	10	11	12	13

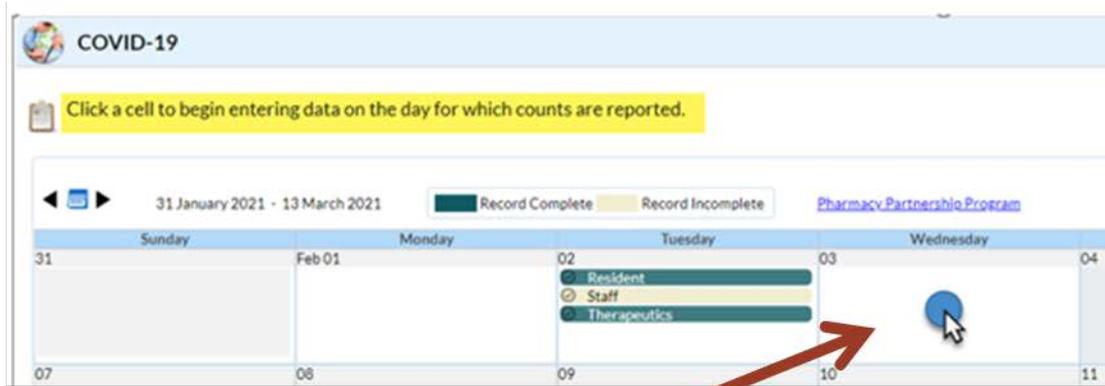
Manual Data Entry

Upload CSV...

Download CSV Template...

Export CSV...

COVID-19 Module: Five Surveillance Pathways



Add COVID-19 Data

Date for which counts are reported: 02/03/2021

Facility CCN: 013025

Facility Type: LTC-SKILLNURS

Resident Impact and Facility Capacity

Staff and Personnel Impact

Supplies and Personal Protective Equipment

Ventilator Capacity and Supplies

Therapeutics

1

2

3

4

5



Click on the *Resident Impact and Facility Capacity Pathway* tab to Open

Add COVID-19 Data

Date for which counts are reported: 02/03/2021

Facility CCN: 013025

Facility Type: LTC-SKILLNURS

Resident Impact and Facility Capacity

Staff and Personnel Impact

Supplies and Personal Protective Equipment

Ventilator Capacity and Supplies

Therapeutics

Click on tab to
open pathway



Resident Impact and Facility Capacity Pathway

Add COVID-19 Data

Date for which counts are reported: 02/03/2021 Facility CCN: 013025 Facility Type: LTC-SKILLNURS

Resident Impact and Facility Capacity Staff and Personnel Impact Supplies and Personal Protective Equipment Ventilator Capacity and Supplies Therapeutics

Date Created:

Counts should be reported on the correct calendar day and include only the new counts for the calendar day (specifically, since counts were last collected). If the count is zero, a "0" must entered as the response. A blank response is equivalent to missing data. **NON-count** questions should be answered one calendar day during the reporting week.

Facility Capacity

100 ALL BEDS (enter on first survey only, unless the total bed count is less than 100)
 *CURRENT CENSUS: Total number of beds that are occupied

Resident Impact for COVID-19 (SARS-CoV-2)

ADMISSIONS: Number of residents admitted or readmitted from recovered residents.

POSITIVE TESTS (previously called "Confirmed"): Number of residents with a positive test result.

TEST TYPE: Based on the number of reported Positive Tests, indicate the test type used for each positive test result.

Positive SARS-CoV-2 antigen test only (no other testing performed)

Positive SARS-CoV-2 NAAT (PCR) (no other testing performed)

Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)

Any other combination of SARS-CoV-2 NAAT (PCR)

*Only include if the two tests were performed within 2 days of each other. The total for Test Type should equal the total for Positive Tests.

CALCULATED TOTAL CONFIRMED (not editable by user):

VACCINATION STATUS: For positives in each test type category, indicate how many residents received COVID-19 vaccination before the positive test.

Positive SARS-CoV-2 antigen test only (no other testing performed):

0 NOVACC - Not vaccinated with COVID-19 vaccine

0 MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine

0 MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine

0 PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine

0 PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine

Positive SARS-CoV-2 NAAT (PCR) (no other testing performed):

0 NOVACC - Not vaccinated with COVID-19 vaccine

0 MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine

0 MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine

0 PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine

0 PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine

Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test:

0 NOVACC - Not vaccinated with COVID-19 vaccine

0 MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine

0 MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine

0 PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine

0 PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine

RE-INFECTIONS: Based on the number of reported Positive Tests, indicate the test type used for each positive test result.

SYMPTOMATIC: Based on the number of reported Re-infections that were symptomatic.

ASYMPTOMATIC: Based on the number of reported Re-infections that were asymptomatic.

TOTAL DEATHS: Number of residents who have died for any reason since the last date of data entry in the Module.

COVID-19 DEATHS: Based on the number of reported COVID-19 deaths.

Resident Impact for Non-COVID-19 (SARS-CoV-2) Respiratory Illness

INFLUENZA: Number of Residents with new influenza (flu).

RESPIRATORY ILLNESS: Number of Residents with acute respiratory illness symptoms, excluding COVID-19 and/or influenza (flu).

Resident Impact for Co-Infections

INFLUENZA and COVID-19: Number of residents with a confirmed co-infection with influenza (flu) and SARS-CoV-2 (COVID-19).

SARS-CoV-2 TESTING

Since the last date of data entry in the Module, has your LTCF performed SARS-CoV-2 (COVID-19) viral testing?

If YES, indicate counts of COVID-19 viral testing that were performed:

POCRESIDENT: Since the last date of data entry in the Module, how many COVID-19 point-of-care tests has the LTCF performed on residents?

POCSTAFF: Since the last date of data entry in the Module, how many COVID-19 point-of-care tests has the LTCF performed on staff and/or facility personnel?

NONPOCRESIDENT: Since the last date of data entry in the Module, how many COVID-19 NON point-of-care tests has the LTCF performed on residents?

NONPOCSTAFF: Since the last date of data entry in the Module, how many COVID-19 NON point-of-care tests has the LTCF performed on staff and/or facility personnel?

During the past two weeks, on average how long did it take your LTCF to receive SARS-CoV-2 (COVID-19) viral test results from NON point-of-care tests?

TESTINGSTAFF: Does the LTCF have the ability to perform or to obtain resources for performing SARS-CoV-2 viral testing (NAAT [PCR] or antigen) on all staff and facility personnel within the next 7 days, if needed?

TESTINGRESIDENT: Does the LTCF have the ability to perform or to obtain resources for performing SARS-CoV-2 viral testing (NAAT [PCR] or antigen) on all residents within the next 7 days, if needed?

Save **Cancel**



Resident Impact and Facility Capacity Pathway

Facility Capacity: *All Beds* and *Current Census*

Facility Capacity	
<input type="text" value="100"/>	ALL BEDS (enter on first survey only, unless the total bed count has changed)
<input type="text"/>	*CURRENT CENSUS: Total number of beds that are occupied on the reporting calendar day

Will auto-populate after first entry

Required to save

ALL BEDS: Total number of licensed resident beds in the facility. Includes private and/or non-private pay beds.

CURRENT CENSUS: Total number of occupied beds on day of data entry.



Resident Impact and Facility Capacity Pathway

Admissions: COVID-19 Admissions and Re-admissions

Resident Impact for COVID-19 (SARS-CoV-2)

ADMISSIONS: Number of residents admitted or readmitted from another facility who were previously diagnosed with COVID-19 and continue to require transmission-based precautions. Excludes recovered residents.



Includes **newly** admitted/re-admitted residents since last date “Admissions” count reported to NHSN



Excludes recovered residents



Excludes residents preemptively isolated

Resident Impact and Facility Capacity Pathway

Positive Tests: NEW counts only

Resident Impact for COVID-19 (SARS-CoV-2)



POSITIVE TESTS (previously called "Confirmed"): Number of residents newly positive for COVID-19 based on a viral test result.



A resident(s) **newly** positive for COVID-19 since last date "*Positive Tests*" count reported to NHSN



Based on initial positive viral test result from either an antigen or NAAT [PCR] test



Re-infected resident if **more than 90 days** between the initial and current positive viral test.



Resident Impact and Facility Capacity Pathway

Test Type: Required if *Positive Tests* count is greater than 0

Resident Impact for COVID-19 (SARS-CoV-2)

TEST TYPE: Based on the number of reported *Positive Tests*, indicate how many were tested using each of the following:

- Positive SARS-CoV-2 antigen test **only** [no other testing performed]
- Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]
- ≠Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)
- ≠Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test

Include additional test results only when specimen(s) collected within 2 calendar days of initial test.

Excludes antigen + /NAAT (PCR) = combinations

For each resident included in the *Positive Tests* count, indicate the single or series of viral testing methods performed **within 2 calendar days** from the initial test.



Resident Impact and Facility Capacity Pathway

Example: *Test Type*

10	POSITIVE TESTS (previously called "Confirmed"): Number of residents newly positive for COVID-19 based on a viral test result
	** TEST TYPE : Based on the number of reported <i>Positive Tests</i> , indicate how many were tested using each of the following:
3	** Positive SARS-CoV-2 antigen test only [no other testing performed]
2	** Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]
4	**± Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)
1	**± Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test

Total count for *Test Type* must equal *Positive Tests* count

Resident Impact and Facility Capacity Pathway

Calculated Total Confirmed: Auto-populated based on responses to Test Type

CALCULATED TOTAL CONFIRMED *(not editable by user):*

NHSN calculated metric used to identify total confirmed cases of COVID-19 by removing probable false positive antigen results



Resident Impact and Facility Capacity Pathway

Example: *Calculated Total Confirmed*

10	POSITIVE TESTS (previously called "Confirmed"): Number of residents newly positive for COVID-19 based on a viral test result. **TEST TYPE: Based on the number of reported <i>Positive Tests</i> , indicate how many were tested using each of the following: <table border="1"><tr><td>3</td><td>** Positive SARS-CoV-2 antigen test only [no other testing performed]</td></tr><tr><td>2</td><td>** Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]</td></tr><tr><td>4</td><td>**[±]Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)</td></tr><tr><td>1</td><td>**[±]Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test</td></tr></table> <p>[±]Only include if the two tests were performed within 2 days of each other. Otherwise, count first test only. Important: The total for <i>Test Type</i> should equal the total for <i>Positive Tests</i>.</p>	3	** Positive SARS-CoV-2 antigen test only [no other testing performed]	2	** Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]	4	** [±] Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)	1	** [±] Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test
3	** Positive SARS-CoV-2 antigen test only [no other testing performed]								
2	** Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]								
4	** [±] Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)								
1	** [±] Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test								
6	CALCULATED TOTAL CONFIRMED (not editable by user):								

"Positive Tests" (10) count minus "Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)" count (4): **10-4 = 6**



Vaccination Status

Specify vaccination status for each resident included in the *Positive Tests* count. Excludes potential false positives

VACCINATION STATUS: For positives in each test type category, indicate how many residents received COVID-19 vaccination before the positive test:

Positive SARS-CoV-2 antigen test only [no other testing performed]:

0	NOVACC - Not vaccinated with COVID-19 vaccine
0	MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine
0	MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine
0	PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine
0	PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine

Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]:

0	NOVACC - Not vaccinated with COVID-19 vaccine
0	MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine
0	MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine
0	PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine
0	PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine

Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one other positive test:

0	NOVACC - Not vaccinated with COVID-19 vaccine
0	MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine
0	MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine



14 days or more before specimen collection of newly positive SARS-CoV-2 test result

- Sub-question of *Positive Tests*
 - The default in the application for responses is “0”
 - Replace “0” where count is greater than “0” for reporting period
- Vaccinated: At least 14 days between the most recent COVID-19 vaccine dose received and the specimen collection date for the newly positive viral test used to detect SARS-CoV-2 (COVID-19).



Vaccination Status



VACCINATION STATUS: For positives in each test type category, indicate how many residents received COVID-19 vaccination before the positive test:

Positive SARS-CoV-2 antigen test only [no other testing performed]:

NOVACC - Not vaccinated with COVID-19 vaccine

No vaccine or Dose 1 received less than 14 days prior to specimen collection

1 - Only dose 1 of COVID-19 vaccine

Dose 1 received 14 days or more prior to specimen collection

- Dose 1 and dose 2 of COVID-19 vaccine

Dose 2 received 14 days or more prior to specimen collection

Day of vaccination is equal to Day 1



Vaccination Status

Example

***TEST TYPE:** Based on the number of reported *Positive Tests*, indicate how many were tested using each of the following:

3	**Positive SARS-CoV-2 antigen test only [no other testing performed]
2	**Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]
4	**±Positive SARS-CoV-2 antigen test and negative SARS-CoV-2 NAAT (PCR)
1	**±Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test

***VACCINATION STATUS:** For positives in each test type category, indicate how many residents received COVID-19 vaccination **before the positive test:**

Positive SARS-CoV-2 antigen test only [no other testing performed]:	
<input type="text" value="1"/>	**NOVACC - Not vaccinated with COVID-19 vaccine
<input type="text" value="0"/>	**MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine
<input type="text" value="2"/>	**MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine
<input type="text" value="0"/>	**PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine
<input type="text" value="0"/>	**PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine
Positive SARS-CoV-2 NAAT (PCR) [no other testing performed]:	
<input type="text" value="1"/>	**NOVACC - Not vaccinated with COVID-19 vaccine
<input type="text" value="0"/>	**MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine
<input type="text" value="0"/>	**MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine
<input type="text" value="1"/>	**PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine
<input type="text" value="0"/>	**PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine
Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one other positive test:	
<input type="text" value="1"/>	**NOVACC - Not vaccinated with COVID-19 vaccine
<input type="text" value="0"/>	**MODERNA1 - Only dose 1 of Moderna COVID-19 vaccine
<input type="text" value="0"/>	**MODERNA - Dose 1 and dose 2 of Moderna COVID-19 vaccine
<input type="text" value="0"/>	**PFIZBION1 - Only dose 1 of Pfizer-BioNTech COVID-19 vaccine
<input type="text" value="0"/>	**PFIZBION - Dose 1 and dose 2 of Pfizer-BioNTech COVID-19 vaccine

Counts must match for each for *Test Type* category



Resident Impact and Facility Capacity Pathway

Re-Infections: A sub-set of count for Positive Tests



<input type="text"/>	RE-INFECTIONS: Based on the number of reported <i>Positive Tests</i> , indicate how many met NHSN definition for re-infection.
<input type="text"/>	SYMPTOMATIC: Based on the number of reported <i>Re-Infections</i> , indicate how many had signs and/or symptoms consistent with COVID-19.
<input type="text"/>	ASYMPTOMATIC: Based on the number of reported <i>Re-Infections</i> , indicate how many did not have signs and/or symptoms consistent with COVID-19.

- ✓ Sub-set of the reported *Positive Tests* count
- ✓ Number of residents who had a positive SARS-CoV-2 viral test result **more** than 90 days prior to current specimen collection date

Resident Impact and Facility Capacity Pathway

Example: *Re-infections*

10 POSITIVE TESTS (previously called "Confirmed"): Number of residents newly positive for COVID-19 based on a viral test result.

2 **RE-INFECTIONS: Based on the number of reported *Positive Tests*, indicate how many met NHSN definition for re-infection.
2 SYMPTOMATIC: Based on the number of reported *Re-Infections*, indicate how many had signs and/or symptoms consistent with COVID-19.
0 ASYMPTOMATIC: Based on the number of reported *Re-Infections*, indicate how many did **not** have signs and/or symptoms consistent with COVID-19.

- ✓ Symptomatic vs asymptomatic is subset of re-infection count
- ✓ Enter count(s) for *symptomatic* and/or *asymptomatic* only if Re-Infection count is greater than "0"
- ✓ If the answer is "0" enter a "0" in the box



Resident Impact and Facility Capacity Pathway

Total Deaths: ALL causes, including COVID-19

TOTAL DEATHS: Number of residents who have died for **any** reason in the facility or another location:

COVID-19 DEATHS: Based on the number of reported Total Deaths, indicate the number of residents with COVID-19



Includes new deaths from **any cause** since last date "*Total Deaths*" were reported to NHSN



Include new deaths that occur in LTCF or elsewhere unless resident was officially discharged from LTCF [not expected to return]



Includes new deaths from COVID-19

Resident Impact and Facility Capacity Pathway

COVID-19 Deaths: Sub-set of Total Deaths Count

TOTAL DEATHS: Number of residents who have died for *any reason* in the facility or another location:

COVID-19 DEATHS: Based on the number of reported *Total Deaths*, indicate the number of residents with COVID-19 who died in the facility or another location.

COVID-19 Deaths: Count includes new resident deaths when death is a result of COVID-19 infection and/or complication.

TOTAL DEATHS: Number of residents who have died for *any reason* in the facility or another location:

★★ COVID-19 DEATHS: Based on the number of reported *Total Deaths*, indicate the number of residents with COVID-19 who died in the facility or another location.



Resident Impact and Facility Capacity Pathway

NON-COVID-19 Respiratory illness: *Influenza*

Resident Impact for Non-COVID-19 (SARS-CoV-2) Respiratory Illness

INFLUENZA: Number of Residents with new influenza (flu).

New positive influenza test result



Resident Impact and Facility Capacity Pathway

New onset of respiratory illness symptoms AND either negative viral test results for influenza (flu) and/or SARS-CoV-2 OR no testing performed

Resident Impact for Non-COVID-19 (SARS-CoV-2) Respiratory Illness

RESPIRATORY ILLNESS: Number of Residents with acute respiratory illness symptoms, excluding COVID-19 and/or influenza (flu).



Examples: New cough, decrease in oxygen saturation, positive chest x-ray, worsening respiratory symptoms in resident with chronic lung or heart condition



Count a resident one-time during course of illness



A resident may be counted in future episodes after a complete recovery



Resident Impact and Facility Capacity Pathway

Co-Infections: *Influenza* and *COVID-19*

Resident Impact for Co-Infections

INFLUENZA and COVID-19: Number of residents with a confirmed co-infection with influenza (flu) and SARS-CoV-2 (COVID-19).



Positive viral test result for both influenza (flu) AND SARS-CoV-2 (COVID-19).



Include if the positive viral specimens (flu and COVID-19) are collected within 7 calendar days of one another.



A resident included in the *Influenza and COVID-19* count is also to be included in the individual counts for both *Influenza* and *Positive Tests*



Resident Impact and Facility Capacity Pathway

Example: *Influenza* and *COVID-19*

Resident Impact for **Co-Infections**

1

INFLUENZA and COVID-19: Number of residents with a confirmed co-infection with influenza (flu) and SARS-CoV-2 (COVID-19).

A resident included in the *Co-Infection* count is also to be included in the individual counts for both *Influenza* and *Positive Tests*.

10

POSITIVE TESTS (*previously called "Confirmed"*): Number of residents newly positive for COVID-19 based on a viral test result.

3

INFLUENZA: Number of Residents with new influenza (flu).



Resident Impact and Facility Capacity Pathway

SARS-CoV-2 Viral Testing: Residents and staff/facility personnel

SARS-CoV-2 TESTING

Since the last date of data entry in the Module, has your LTCF performed SARS-CoV-2 (COVID-19) viral testing?

If YES, indicate counts of COVID-19 viral testing that were performed:

- POCRESIDENT: Since the last date of data entry in the Module, how many COVID-19 point-of-care tests has the LTCF performed on residents?
- POCSTAFF: Since the last date of data entry in the Module, how many COVID-19 point-of-care tests has the LTCF performed on staff and/or facility personnel?
- NONPOCRESIDENT: Since the last date of data entry in the Module, how many COVID-19 NON point-of-care tests has the LTCF performed on residents?
- NONPOCSTAFF: Since the last date of data entry in the Module, how many COVID-19 NON point-of-care tests has the LTCF performed on staff and/or facility personnel?



Resident Impact and Facility Capacity Pathway

SARS-CoV-2 Viral Testing: Residents and staff/facility personnel

During the past two weeks, on average how long did it take your LTCF to receive SARS-CoV-2 (COVID-19) viral test results from NON point-of-care tests?



TESTING STAFF: Does the LTCF have the ability to perform or to obtain resources for performing SARS-CoV-2 viral testing (NAAT [PCR] or antigen) on all staff and facility personnel within the next 7 days, if needed?



TESTING RESIDENT: Does the LTCF have the ability to perform or to obtain resources for performing SARS-CoV-2 viral testing (NAAT [PCR] or antigen) on all current residents within the next 7 days, if needed?



Take aways and reminders

Questions requiring a count



If the answer is zero (0), enter a “0” as the response. If left blank, will appear as missing data.



Only include NEW counts since the last time counts were collected for reporting to NHSN.



Do not include a resident/staff in the same count every day.

Take aways and reminders

Reporting Frequency for count and non-count questions



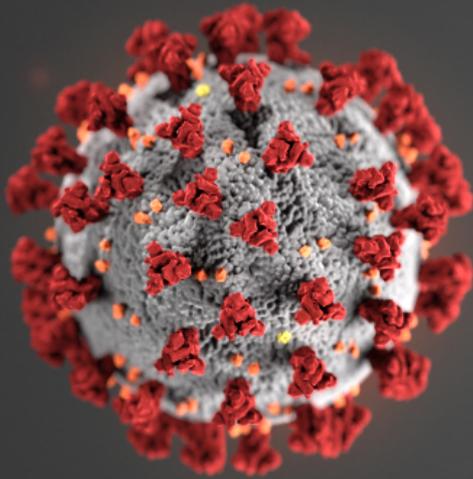
If new counts are reported daily, a weekly total count is not needed



If reporting more than once per week, do not include same resident/staff in more than one count for the question



Non-count questions are to be answered once a week



For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 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.

