National Center for Emerging and Zoonotic Infectious Diseases

National Healthcare Safety Network (NHSN)

Long-term Care Facility COVID-19 Module

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
- Enables healthcare facilities to collect and use a data about:
 - Healthcare-associated infections (HAIs),
 - Adherence to clinical practices known to prevent HAIs,
 - AND MORE!!!



NHSN's Role During COVID-19 Response





LTCF COVID-19 Module LTCF COVID-19 webpage

- Data to state and local health departments
- Platform for Centers for Medicare and Medicaid Services (CMS) reporting mandates
- Accessible to facilities and group users
- NHSN dashboard within application
- No resident or staff/personnel level data collected



COVID-19 Module for Long Term Care Facilities

Goals of the Module

- Supplement case reporting and facility capacity to understand facility and resident specific impact
- Identify resource needs and prioritize public health action

LTCF COVID-19 MODULE PARTICIPATION

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

Assisted Living Facilities and Residential Care

Intermediate/chronic care facilities for the developmentally disabled

HOW TO GET STARTED



- NHSN enrollment is required
- Actively enrolled NHSN facilities have access through NHSN home page
- Non-NHSN LTCFs must complete online enrollment specifically for the LTC COVID-19 Module

Questions? E-mail nhsn@cdc.gov include *LTCF COVID* in Subject Line

LTCF COVID-19 Module Enrollment Steps

Step 1 – Prepare your computer to interact with NHSN

You may need to change your email and internet security settings to receive communications from NHSN during the enrollment process.

Step 2A – Register Facility with NHSN

The person who will serve as the NHSN Facility Administrator (usually the person enrolling the facility) must access and read the <u>NHSN Facility/Group Administrator Rules of Behavior</u>.

Step 2B – Register with SAMS (Security Access Management System)

After NHSN receives your completed registration, you will receive an *Invitation to Register with SAMS* via email with steps to complete the process.

Step 3 – Complete NHSN LTC Enrollment

On the SAMS homepage, click the link to the National Healthcare Safety Network labeled **NHSN LTC Enrollment** and Complete Facility Contact Information.

Step 4 - Electronically Accept the NHSN Agreement to Participate and Consent

After successfully completing enrollment, the NHSN Facility Administrator and Component Primary Contact (may be the same person) will receive an NHSN email with instructions on how to electronically accept the *NHSN Agreement to Participate and Consent*. Once accepted, enrollment is complete, and the user will gain access to NHSN's COVID-19 module.

Access the LTCF COVID-19 Webpage

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



Four Pathways for Reporting



Resident Impact and Facility Capacity



Staff and Personnel Impact



Supplies and Personal Protective Equipment



Ventilator Capacity and Supplies

Data elements for each Pathway include: COUNT and/or "YES" or "NO" questions

Data Elements

- Suspected and confirmed COVID-19 infections among residents and staff, including residents previously treated for COVID-19
- Total deaths and COVID-19 deaths among residents and staff
- Personal protective equipment and hand hygiene supplies in the facility
- Ventilator capacity and supplies in the facility;
- Resident beds and census
- Access to COVID-19 testing while the resident is in the facility
- Staffing shortages

REPORTING FREQUENCY

Daily reporting:

Selected calendar date must reflect the date in which the responses and counts are collected and reported.

Non-daily reporting:

Selected calendar date must reflect the date in which data are being reported. Unless otherwise indicated, counts must include only **new** counts for the specific data element <u>since the last time counts were</u> <u>entered in the NHSN LTCF COVID-19 module.</u>

Weekly reporting:

Report on the same day of the week every week, if possible (*not required*). Selected calendar date must reflect the date in which responses are being reported. Unless otherwise indicated, counts must be reported as the total number of <u>new counts since the last time the counts were entered in the NHSN LTCF COVID-19 module.</u>

Reporting Counts for the FIRST time in the NHSN LTCF COVID-19 Module

The first-time counts are entered for a specific data element, the user should include retrospective count data from January 1, 2020 to the first date of reporting into the module.

NATIONAL HEALTHCARE SAFETY NETWORK

NHSN'S LTCF COVID-19 Module

STEP 1: Select COVID-19 tab on the left navigation menu of the NHSN Home Page.

NHSN Home			
Alerts		6	
Dashboard			
Reporting Plan	•		
Resident	•	Ì	
Event	•		
Summary Data	•		
COVID-19	_		
Import/Export		1	
Surveys	•		
Analysis	- F		
Users			



NHSN Long Term Care Facility Component Home Page

Long Term Care Dashboard

Action Items

STEP 1: On the NHSN Long Term Care Facility Component Home Page, select COVID-19 Tab from the left-navigation menu

Note: The NHSN home page may look different depending on facility access to other reporting options. However, the functionality for the COVID-19 Module is the **same** for all LTCFs.

Data may be entered retrospectively from January 1, 2020 up to the present date.

OR

Include these aggregate counts on the **first** date the facility will report into the COVID-19 module.

A calendar defaulting to the current month will appear.



Opload CSV... Ownload CSV Template...

Export CSV...

Import and Export Options



CSV Tabs located at bottom of calendar

A. Data upload using a CSV file

- B. Download CSV Template, which can be used to upload facility COVID-19 data.
- C. Export data in a table format using the "Export CSV"

Access the LTCF COVID-19 Webpage

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

STEP 2: Begin Manual Data Entry

COVID-19

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



Select Date

To get started, click on the date for which you will be entering data.

New Window will Appear with Four Pathways

ite for which	counts are reported: 04/0	01/2020		
Resident Imp	act and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
	1	2	3	4
Resident	t Impáct			-
	ADMISSIONS: Reside	nts admitted or re-admitted who	were previously hospitalized and treated for CO	VID-19
	CONFIRMED: Reside	nts with new laboratory positive	COVID-19	
	SUSPECTED: Residen	ts with new suspected COVID-1	9	
	TOTAL DEATHS: Res	idents who have died in the facilit	ty or another location	
	COVID-19 DEATHS:	Residents with suspected or labo	ratory positive COVID-19 who died in the facility	or another location
- Facility (Capacity and Laboratory Tes	sting		
	-	ST SURVEY ONLY)		
	1	SUS: Total number of beds that a		

Select Pathway and Enter Data

- Default view is "*Resident Impact and Facility Capacity*" pathway
- Users may navigate to and from each pathway during one session
- Option to SAVE or CANCEL individual pathways
- Selected date will auto-populate

Resident	mpact and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
		ata at the same time <u>at least</u> once a	week (for example, 7 AM)	
Reside	nt Impact ADMISSIONS: Residen	ts admitted or re-admitted who	were previously hospitalized and treated for COVI	D-19
		ts with new laboratory positive C		
	SUSPECTED: Residents	s with new suspected COVID-19		
	TOTAL DEATHS: Resid	lents who have died in the facility	y or another location	
			atory positive COVID-19 who died in the facility o	r another location
- Facilit	Capacity and Laboratory Test	ing		
	ALL BEDS (FIRST	SURVEY ONLY)		
	CURRENT CENS	US: Total number of beds that ar	re currently occupied	
	TESTING: Does	s your facility have access to CO	VID-19 testing while the resident is in the facility?	
	If VES what labo	pratory type? Select all that appl	ly.	
	IT IES, What labo			



Data Collection Form and Form Instructions Available

LTCF COVID-19 WEBPAGE

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

ate for whic	th counts are reported: 04/01	/2020		
Resident	Impact and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
For the fol	llowing questions, please collect da	ta at the same time <u>at least</u> once a v	veek (for example, 7 AM)	
- Reside	ent Impact			
/	int impoct			
		s admitted or re-admitted who w	vere previously hospitalized and treated for COVI	ID-19
	ADMISSIONS: Resident	s admitted or re-admitted who w s with new laboratory positive CC		ID-19
	ADMISSIONS: Resident			ID-19
	ADMISSIONS: Resident CONFIRMED: Resident SUSPECTED: Residents	s with new laboratory positive CC	OVID-19	ID-19

- ADMISSIONS: Residents *newly* admitted or readmitted to LTCF from a hospital where they were treated for suspected <u>or</u> laboratory positive COVID-19.
 - Include only *newly* admitted or readmitted residents since the last date these counts were entered in the module regardless if the resident(s) are still in the facility.
- **CONFIRMED:** Number of residents with a *new* laboratory-positive COVID-19 result since the last date confirmed counts were entered into this module.
 - Count includes residents who remain in the LTCF, as well as residents who were transferred out of the facility, admitted to another facility, or died

te for whic	ch counts are reported: 04/01/	/2020		
Resident	Impact and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplie
250. 2019 - 2020	llowing questions, please collect dat ent Impact	ta at the same time <u>at least</u> once a v	week (for example, 7 AM)	
	-			
		s admitted or re-admitted who w	vere previously hospitalized and treated for COVI OVID-19	D-19
	CONFIRMED: Residents			D-19
	CONFIRMED: Residents SUSPECTED: Residents	s with new laboratory positive CO	OVID-19	D-19

- Suspected: Residents managed as though they have COVID-19, but do <u>not</u> have a laboratory positive COVID-19 test result because they have not been tested or are pending results.
 - Include all *newly* suspected residents since the last date "Suspected" counts were entered in the module regardless if the resident(s) remains in the facility. For example, the resident died or was transferred or admitted to another facility

ts are reported: 04/01	/2020		
and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
oact			D-19
,			
SUSPECTED: Residents	with new suspected COVID-19		
TOTAL DEATHS: Reside	ents who have died in the facility o	or another location	
COVID-19 DEATHS: Re	sidents with suspected or laborat	tory positive COVID-19 who died in the facility or	r another location
•	questions, please collect dat act ADMISSIONS: Resident CONFIRMED: Residents SUSPECTED: Residents TOTAL DEATHS: Reside	questions, please collect data at the same time <u>at least</u> once a vect ADMISSIONS: Residents admitted or re-admitted who we CONFIRMED: Residents with new laboratory positive CO SUSPECTED: Residents with new suspected COVID-19 TOTAL DEATHS: Residents who have died in the facility	questions, please collect data at the same time <u>at least</u> once a week (for example, 7 AM) act ADMISSIONS: Residents admitted or re-admitted who were previously hospitalized and treated for COVI CONFIRMED: Residents with new laboratory positive COVID-19

- Total Deaths: Residents who died in the facility or another location for any reason since the last time Total Death counts were entered.
 Include COVID-19 related deaths PLUS non-COVID-19 deaths.
- COVID-19 Deaths: Number of resident deaths for residents with suspected AND those with laboratory positive COVID-19 who died in the facility or another facility since the last date COVID-19 Death counts were reported in the module.

ALL BEDS (FIRST SURVEY ONLY)
CURRENT CENSUS: Total number of beds that are currently occupied
*TESTING: Does your facility have access to COVID-19 testing while the resident is in the facility?
If YES, what laboratory type? Select all that apply.
□ State health department lab
Private lab (hospital, corporation, academic institution)
Other

- ALL BEDS: Enter the total number of resident beds in the facility.
 Saved bed count will pre-populate on future dates.
- CURRENT CENSUS: Total number of occupied beds on the date responses are entered in the module.
- TESTING: Does your facility have access to in-house COVID-19 testing for residents?

Resident Impact and Facility Capacity

Add [

Date

aily COVID	-19 Data	2			
or which co	unts are	reported: 04/01	/2020		
sident Impa	act and F	acility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
the fellowin	na airectla	ne alesse sellest de	le at the come time at least once ou	uale (fax avanuala 7 AM)	
Resident In	npact				
9	ADM	IISSIONS: Resident	s admitted or re-admitted who w	ere previously hospitalized and treated for COVI	
3	CON	FIRMED: Resident	s with <mark>new</mark> laboratory positive CC	DVID-19	NHSN
5	SUSP	PECTED: Residents	with new suspected COVID-19		
3	тот	AL DEATHS: Reside	ents who have died in the facility o	or another location	
1	cov	ID-19 DEATHS: Re	sidents with suspected or laborat	tory positive COVID-19 who died in the facility or	another location
Facility Ca	pacity an	d Laboratory Testi	ng		
125	pacity an	ALL BEDS (FIRST			
122		CURRENT CENSU	JS: Total number of beds that are	currently occupied	
Y - Yes V]	*TESTING: Does	your facility have access to COV	D-19 testing while the resident is in the facility?	Required for 1st survey only.
		If YES, what labo	ratory type? Select all that apply		Update as needed if answer
		State health de	epartment lab		changes in future submissions
		Private lab (ho	ospital, corporation, academic inst	titution)	
		Other			
	-				

Focuses on impact of COVID-19 on residents, facility capacity, and testing

Save to exit Pathway reporting and return to calendar or CLICK in next tab to continue entering data

Cancel

1

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



◀ 🔤 ► 2	2 March 2020 - 02 May 2020	Record Co	mplete Record Incomplete		
Mar 22	23	24	25	26	27
29	30	31	Apr 01 Resident	02	03
)5	06	07	Message Successfully saved record.	09	10
12	13	14	0	16	17
19	20	21	22	23	24
26	27	28	29	30	May 01

Daily COVID-19 Data						
for which counts a	re reported: 04/01	/2020				
esident Impact and Facility Capacity Staff and Personnel Impact Supplies & Personal Protective Equipment Ventilator Capacity & Supplies						
or the following questions, please collect data at the same time <u>at least</u> once a week (for example, 7 AM)						
	JSPECTED: Staff and I	acility personnel with new su	aboratory positive COVID-19 uspected COVID-19 who are being managed as thoug n new suspected or laboratory positive COVID-19 wh			
)	
Staffing	ganization have a s	hortage of staff and/or p	ersonnel? Staff and Personnel Groups			
		hortage of staff and/or p	Staff and Personnel Groups			
Staffing Shortage?	Nursing Staff: re	• × •	Staff and Personnel Groups tical nurse, vocational nurse			
Staffing Shortage?	Nursing Staff: re Clinical Staff: ph	gistered nurse, licensed pract ysician, physician assistant, ac	Staff and Personnel Groups tical nurse, vocational nurse			

Include anyone working or volunteering in the LTCF (for example, contractors, full-time, part-time, as needed/prn, temporary, resident care givers, shared staff, etc.



Data Collection Form and Form Instructions Available

LTCF COVID-19 WEBPAGE

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

Staff and Personnel Impact Pathway

Add Daily COVID-19 Data

Date for which counts are reporte	e for which counts are reported: 04/01/2020						
Resident Impact and Facility Capacity Staff and Personnel Impact Supplies & Personal Protective Equipment Ventilator Capacity & Supplies							
For the following questions, plea	For the following questions, please collect data at the same time <u>at least</u> once a week (for example, 7 AM)						
CONFIRME	CONFIRMED: Staff and facility personnel with new laboratory positive COVID-19						
SUSPECTER	SUSPECTED: Staff and facility personnel with new suspected COVID-19 who are being managed as though they have it						
COVID-19	DEATHS: St	aff and facility personnel with nev	w suspected or laboratory positive COVID-19 wh	no died			

- CONFIRMED: Staff and facility personnel <u>newly</u> identified with a laboratory positive COVID-19 test result since the last date *Confirmed* counts were entered into the module.
- SUSPECTED: Staff and facility personnel being <u>newly</u> managed as though they have COVID-19 since the last date that *Suspected* counts were entered into the module. No positive COVID-19 lab result
- **COVID 19 DEATHS:** New deaths for staff and facility personnel with suspected or laboratory positive COVID-19 since the last date the *COVID-19 Death* count for staff and facility personnel was entered.

Staff and Personnel Impact Pathway Does your organization have a shortage of staff and/or personnel?

Staffing Shortage?	Staff and Personnel Groups				
~	Nursing Staff: registered nurse, licensed practical nurse, vocational nurse				
~	Clinical Staff: physician, physician assistant, advanced practice nurse				
~	Aide: certified nursing assistant, nurse aide, medication aide, and medication techinician				
~	Other staff or facility personnel, regardless of clinical responsibility or resident contact not included in the categories above (for example, environmental services)				

Responses based on the date responses are entered in the module

Staff and Personnel Impact Pathway



Save to exit Pathway reporting and return to calendar or CLICK in next tab to continue entering data

ARRAN!

Save

Cancel

Impact COVID-19 is having on staff and facility personnel, including staffing shortages.

dd Daily COVID-19 Data				
ate for which counts are reported:	04/01/2020			
Resident Impact and Facility Cap	acity Staff :	and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies

For the following questions, please collect data at the same time <u>at least</u> once a week (for example, 7 AM)

Supply Item	Do you currently have any supply?	Do you have enough for one week?
N95 masks	~	~
Surgical masks		~
Eye protection, including face shields or goggles		~
Gowns	~	~
Gloves		✓
Alcohol-based hand sanitizer	~	

Responses based on the date responses are entered in the module

ANY SUPPLY: Does the facility have any of each supply item listed?

ENOUGH FOR ONE WEEK: Does the facility have enough for ONE week of each supply item?



Data Collection Form and Form Instructions Available

LTCF COVID-19 WEBPAGE

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

Supplies and Personal Protective Equipment Pathway

Supplies & Personal Protective Equipment Resident Impact and Facility Capacity Staff and Personnel Impact Ventilator Capacity & Supplies For the following questions, please collect data at the same time at least once a week (for example, 7 AM) Supply Item Do you currently have Do you have enough for any supply? one week? N95 masks N-No V N-No ¥ Surgical masks Y-Yes V Y-Yes V Eye protection, including face shields or goggles N-No ¥ N-No ¥ Gowns N-No ¥ N-No 🗸 Gloves Y - Yes 🗸 Y-Yes ∨ Alcohol-based hand sanitizer Y-Yes V Y-Yes V

Availability of Personal protective equipment and hand hygiene supplies in the facility.



Date for which counts are reported: 04/01/2020

-	-	-	-	-	-	-	 -	-
		ε.	ж.					

Add Daily COVID-19 Data Date for which counts are reported: 04/01/2020 Resident Impact and Facility Capacity Staff and Personnel Impact Supplies & Personal Protective Equipment Ventilator Capacity & Supplies Do you have a ventilator dependent unit in your facility? * Y - Yes Y - Yes Y - Yes If, NO, skip this form Y - Yes No No

For the following questions, please collect data at the same time <u>at least</u> once a week (for example, 7 AM)

MECHANICAL VENTILATORs: Total number available in your facility

MECHANICAL VENTILATORS IN USE: Total number of mechanical ventilators in use for residents who have suspected or lab-confirmed COVID-19

upply Item	Do you currently have any supply?	Do you have enough for one week?
entilator supplies (any, including tubing)		



Data Collection Form and Form Instructions Available

LTCF COVID-19 WEBPAGE

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

Ventilator Capacity and Supplies Pathway

Daily COVID-19 Data			
for which counts are reported: 04/03	1/2020		
esident Impact and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
o you have a ventilator dependent uni , NO, skip this form	t in your facility? * Y - Yes « N - No		
or the following questions, please collect do	ata at the same time <u>at least</u> once a v T ORs: Total number available in y		
	TORS IN USE: Total number of me	echanical ventilators in use for residents who hav	e suspected or lab-confirmed COVID-19
	TORS IN USE: Total number of me	echanical ventilators in use for residents who hav	e suspected or lab-confirmed COVID-19
	TORS IN USE: Total number of me	echanical ventilators in use for residents who hav Do you currently have any supply?	e suspected or lab-confirmed COVID-19 Do you have enough for one week?

Responses based on the date responses are entered in the module

- **MECHANICAL VENTILATORS:** Number of mechanical ventilators in the facility
- MECHANICAL VENTILATORS IN USE: Number of mechanical ventilators in use for residents who have suspected or laboratory confirmed COVID-19.

dd Daily COVID-19 Data			
ate for which counts are reported: 04/01	/2020		
Resident Impact and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
Do you have a ventilator dependent unit If, NO, skip this form For the following questions, please collect da	Y - Yes N - No	week (for example, 7 AM)	
MECHANICAL VENTILA	rors: Total number available in y	your facility	
MECHANICAL VENTILA	TORS IN USE: Total number of m	echanical ventilators in use for residents who hav	re suspected or lab-confirmed COVID-19
Ventilator Supplies			
Supply Item		Do you currently have any supply?	Do you have enough for one week?
Ventilator supplies (any, including tub	ing)		

Responses based on the date responses are entered in the module

- **ANY:** Ventilator supply available in the facility
- ENOUGH SUPPLIES FOR ONE WEEK: Number of mechanical ventilators in use for residents who have suspected or laboratory confirmed COVID-19.

Ventilator Capacity and Supplies Pathway 11/11/1

Ventilator Capacity and Supplies Pathway

dent Imp	pact and Facility Capacity	Staff and Personnel Impact	Supplies & Personal Protective Equipment	Ventilator Capacity & Supplies
you have	e a ventilator dependent i	unit in your facility? * Y - Yes 🗸		
	this form	1-1es *		
he follow	ing questions, please collect	data at the same time at least once a	week (for example, 7 AM)	
the follow	ing questions, please collect	t data at the same time <u>at least</u> once a	week (for example, 7 AM)	
the follow		t data at the same time <u>at least</u> once a LATORs: Total number available in		

Do you currently have any supply?	Do you have enough for one week?
Y-Yes 🗸	N - No 💙
	any supply?

Cancel

Save

Ventilator capacity and supplies in the facility.





◀ 🔤 ►	29 March 2020 - 09 May 2020	Record Complete	Record Incomplete			
29	30	31	Apr 01 Resident Staff Supplies Ventilator	02 C Resident	03 Ø Resident	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	29	30	May 01	02
03	04	05	06	07	08	09





Additional Resources:

- CDC's Coronavirus (COVID-19) website: <u>https://www.cdc.gov/coronavirus/2019-nCoV/index.html</u>
- NHSN COVID-19 Webpage for Long-term Care Facilities: https://www.cdc.gov/nhsn/ltc/covid19/index.html
- CDC's National Healthcare Safety Network (NHSN) Home Page: <u>https://www.cdc.gov/nhsn/index.html</u>
- Guidance for Retirement Communities and Independent Living: <u>https://www.cdc.gov/coronavirus/2019-ncov/community/retirement/index.html</u>
- Preparedness Checklist for Nursing Homes and Other Long-Term Care Settings: <u>https://www.cdc.gov/coronavirus/2019-ncov/hcp/long-term-care-checklist.html</u>
- Guidance for U.S. Healthcare Facilities about Coronavirus (COVID-19): <u>https://www.cdc.gov/coronavirus/2019-ncov/hcp/us-healthcare-facilities.html</u>
- Preparing for COVID-19: Long-term Care Facilities, Nursing Homes: <u>https://www.cdc.gov/coronavirus/2019-ncov/hcp/long-term-care.html</u>