

# COVID-19 reporting

Curing the headache of compliance

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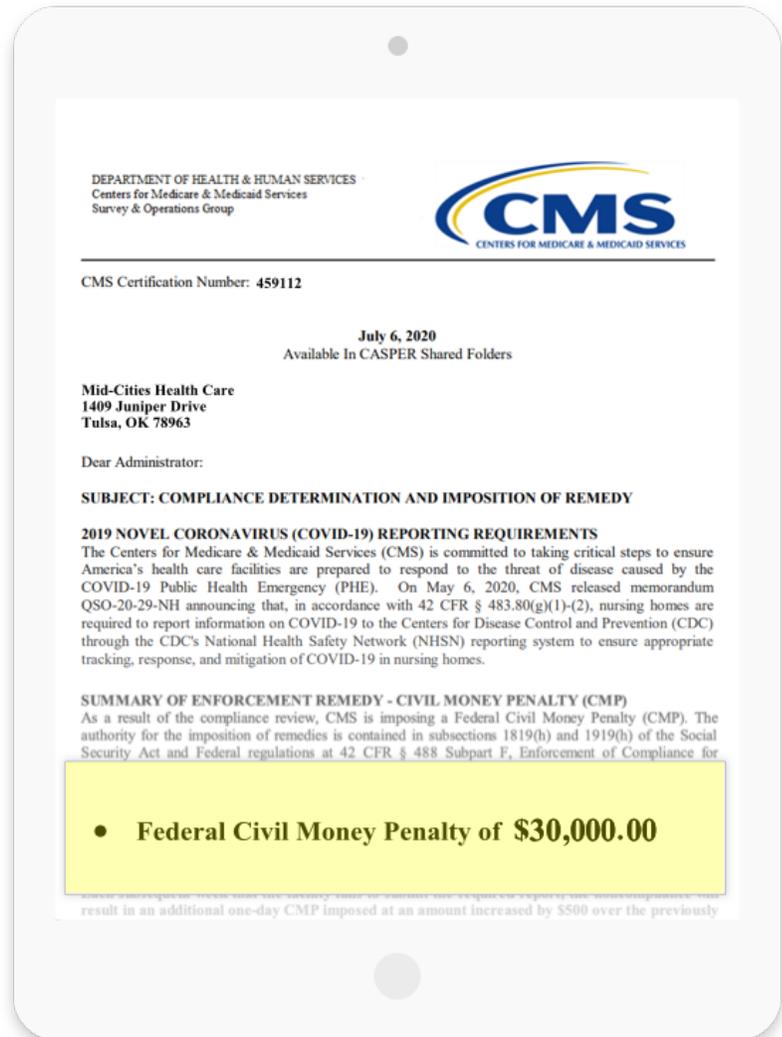


# What is the NHSN?

The lesser-known NHSN is a branch of the CDC that is strictly dedicated to receiving data (reporting).

“CDC’s National Healthcare Safety Network is the nation’s most widely used healthcare-associated infection (HAI) tracking system. NHSN provides facilities, states, regions, and the nation with data needed to identify problem areas, measure progress of prevention efforts, and ultimately eliminate healthcare-associated infections.”

# NHSN + CMS



CMS is the only entity with the authority to issue fines. Fines for non-compliance take form as “incitement” letters and are delivered through a providers CASPER reports by CMS. This daily dollar amount is deducted from a facility’s reimbursement.

# Grace Period

- An overwhelmed appeals department led to a decline in incitement letters late 2020
- “CMS plans to provide a **grace period** for facilities to set up and initiate the reporting” – NMSN Helpdesk
- Will grace period end in February of 2021?

# NHSN LTC COVID-19 Module



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## National Healthcare Safety Network (NHSN)

[CDC](#) > [NHSN](#) > [Materials for Enrolled Facilities](#) > [Long-term Care Facilities](#)



🏠 NHSN

NHSN Login

About NHSN +

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Materials for Enrolled Facilities -

COVID-19 Information +

Ambulatory Surgery Centers +

Acute Care Hospitals/Facilities +

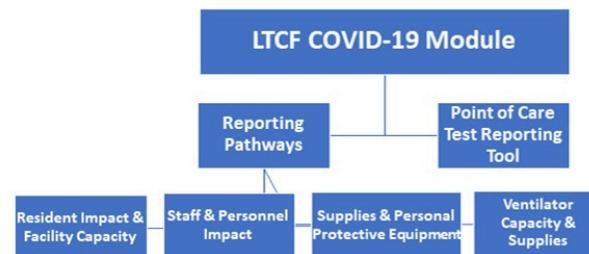
Long-term Acute Care Hospitals/Facilities +

## LTCF COVID-19 Module

NHSN has received an unprecedented number of Secure Access Management Services (SAMS) inquiries. We are working diligently to send SAMS identity verification invitations in the shortest timeframe possible. Please allow up to 7-9 business days for NHSN to reply to any email concerning SAMS.

Prior to reaching out to NHSN, please check spam folders and trash folders for an invitational email from SAMS. It is possible that you have a SAMS level 3 invitation email from NHSN that is awaiting action. Look for an email with the subject line **"SAMS Partner Portal - Identity Verification Request Form"** from [SAMS-no-reply@cdc.gov](mailto:SAMS-no-reply@cdc.gov).

[CDC's NHSN](#) provides healthcare facilities, such as long-term care facilities (LTCFs), with a customized system to track infections and prevention process measures in a systematic way. Tracking this information allows



# Issues

- Updates are made sporadically with no heads-up (Nov 29<sup>th</sup> update requiring flu data points)
- Webinars fill-up within minutes leaving providers scrambling for training and accurate information
- Small regulation changes can get lost in sea of information
- “Get Email Updates” is unreliable
- NHSN help desk has been overwhelmed and slow to respond

# Data Reporting Problems

- Requiring calculated fields
- Data is keyed into spreadsheets, opening a huge margin of error
- Positives are often carried over from previous weeks
- The staff keying in data don't understand what they are being asked
  - Example: The COVID-positive metric is not a cumulative number – it's to be the number of positive tests since previous report

# SAMS Account

**Warning:** This warning banner provides privacy and security notices consistent with applicable federal laws, directives, and other federal guidance for accessing this Government system, which includes all devices/storage media attached to this system. This system is provided for Government-authorized use only. Unauthorized or improper use of this system is prohibited and may result in disciplinary action and/or civil and criminal penalties. At any time, and for any lawful Government purpose, the government may monitor, record, and audit your system usage and/or intercept, search and seize any communication or data transiting or stored on this system. Therefore, you have no reasonable expectation of privacy. Any communication or data transiting or stored on this system may be disclosed or used for any lawful Government purpose.

Choose a login option

External Partners	HHS Staff	
<h3>SAMS Grid Card</h3>  <p>SAMS Username <input type="text"/></p> <p>SAMS Password <input type="password"/></p> <p>Login</p> <p><a href="#">Forgot SAMS Password?</a></p> <p>For External Partners who have been issued a SAMS Grid Card.</p>	<h3>PIV Login</h3>  <p>Click the Login button to sign on with a HHS PIV Card.</p> <p>Login</p> <p>For all HHS staff including Operating Divisions (CDC, NIH, FDA, etc.)</p>	<h3>AMS One Time Password</h3>  <p>How to use OTP</p> <p>Login</p> <p>For all HHS staff including Operating Divisions (CDC, NIH, FDA, etc.) with a One Time Password.</p>

# Issues

- Attaining a new account for every facility manager is difficult
- Request for LEVEL 3 access is “pending” indefinitely, with no update or due date of when it might be approved

# Coronavirus Aid, Relief, and Economic Security (CARES) Act

## Introduces Point of Care (POC) Testing

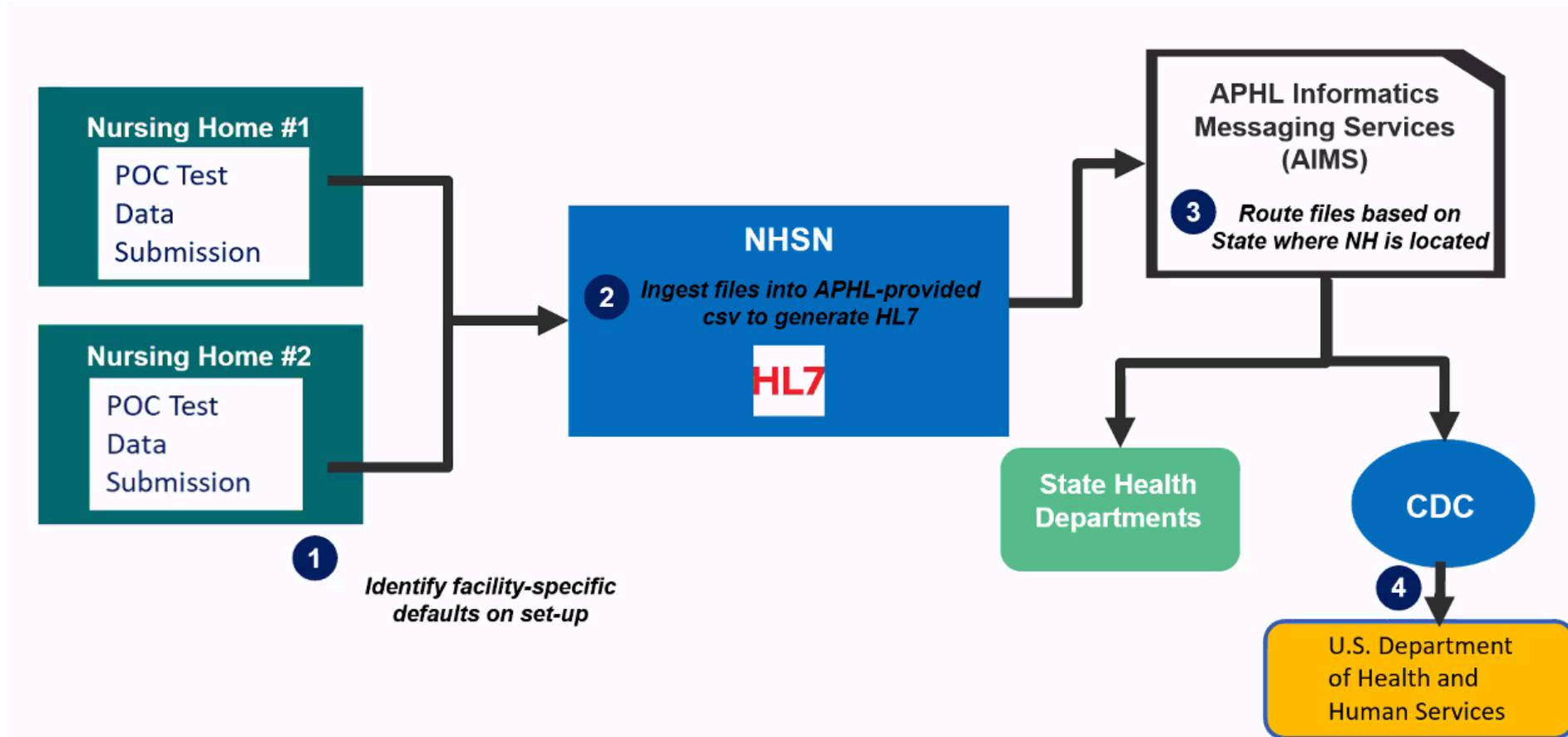
- POC testing is “testing that is performed near or at the site of a patient with the result leading to a possible change in the care of the patient”
- Devices offer results within 15 minutes
- Antigen and Molecular models
- Requirement is for staff/contractors and residents
- Must be reported every 24 hours

# Coronavirus Aid, Relief, and Economic Security (CARES) Act

## Mitigates Jurisdictional Conflicts

Since all ~15,400 nursing homes already use the NHSN for other COVID-19 reporting, it is easier to report POC test results through this channel.

# Coronavirus Aid, Relief, and Economic Security (CARES) Act



# Entering POC Tests



## Resident/Staff

Find Resident/Staff...

Type of Individual Tested \*: **Staff/Volunteer/Contractor**

Staff ID \*:

First Name \*:

Middle Name:

Last Name \*:

Gender \*:

Date of Birth \*:  15

Ethnicity:

Race:  American Indian/Alaska Native  Asian  
 Black or African American  Native Hawaiian/Other Pacific Islander  
 White

### Home Address of Staff/Volunteer/Contractor

Address, line 1 \*:

Address, line 2:

City \*:

State \*:

County \*:

Zip Code \*:  -

Contact Phone \*:  Ext:



## POC Test Results

Add Test Result...

# Entering POC Tests

**POC Test Result Reporting**

**Add Test Result**

**Resident/Staff**

Type of Individual Tested \*

Resident ID \*

First Name

Gender \*

Ethnicity

**POC Test Results**

Test Date ↓    Test O

**POC Test Result**

Test Date \*:

Device Name \*:  **Choose Default...**

Test Ordered \*: SARS coronavirus+SARS coronavirus 2 Ag [Presence] in Respiratory specimen by Rapid immunoassay

Specimen Source \*:

Test Result \*:

Specimen Number \*:

Ordering Physician \*:  **Physicians...**

Was person symptomatic? \*:

Was person pregnant? \*:

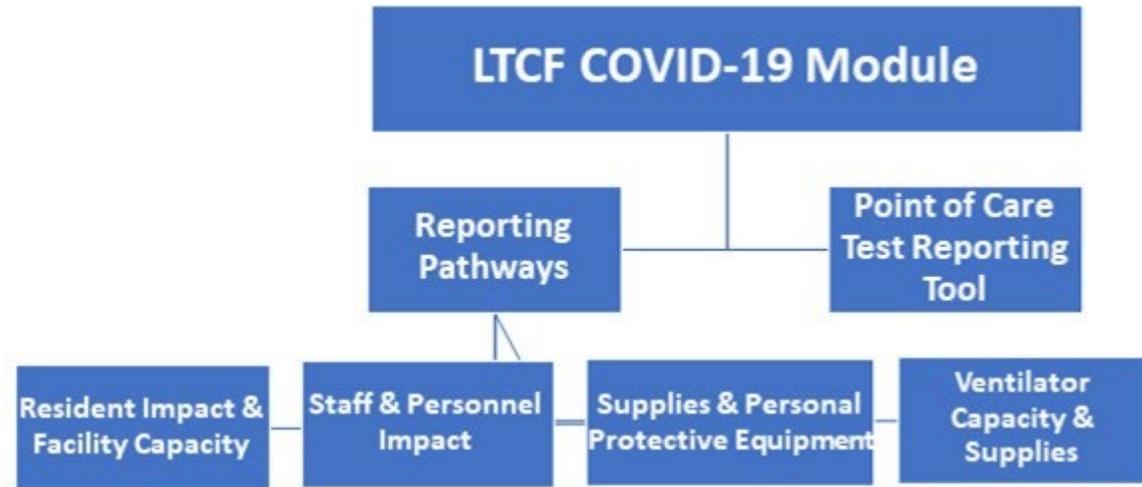
**Save**    **Cancel**

# Issues

- No CSV Upload
- Each test result must be manually entered
- Duplicate data entry
- Staff data hard to wrangle from different sources
- Device list constantly changing

# NHSN COVID-19 Reporting Pathways

- Weekly Data Report
- POC Test Results
- **Vaccination Data** (1/1/2021)



# Reporting Vaccination Data

Add Vaccine Data

Flu Vaccine: Residents   Flu Vaccine: HCW   COVID-19 Vaccine: HCW   **COVID-19 Vaccine: Residents**

Resident COVID-19 Cumulative Vaccination Summary for Long-Term Care Facilities

\*Facility ID:    \*Vaccination type:   
\*Week of Data Collection:  -    \*Date Last Modified:

**Cumulative Vaccination Coverage**

1. \*Number of residents staying in this facility for at least 1 day during the week of data collection

2. \*Cumulative number of residents in Question #1 who have received COVID-19 vaccines(s) at this facility or elsewhere

Any completed COVID-19 vaccine series

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

3.1 \*Medical contraindication to COVID-19 vaccine

3.2. Offered but declined COVID-19 vaccine

3.3. Unknown COVID-19 vaccination status

3.4. History of laboratory-confirmed SARS-CoV-2 infection

**COVID-19 Vaccine(s) Supply**  
Please contact your state or local health jurisdiction if there is sufficient supply of COVID-19 vaccine available or if your facility is interested in becoming a COVID-19 vaccine provider.

4.1. If your facility has enrolled as a COVID-19 vaccine provider, has your facility received any COVID-19 vaccine(s) by the end of the week of data collection?

Please briefly describe your answer

# Outgrown Spreadsheets

The screenshot displays an Excel spreadsheet with a data table. The table has the following columns: ObservationID, Province, Country, Timestamp, Confirmed, Deaths, Recovered, Lat, and Lon. The data is organized into rows, with the first 25 rows representing Belgium and the remaining 13 rows representing Cambodia. The 'Confirmed' column shows a progression from 0 to 1, and the 'Deaths' column shows a progression from 0 to 1. The 'Recovered' column shows a progression from 0 to 0. The 'Lat' and 'Lon' columns show coordinates for each location. The 'Queries & Connect' pane on the right indicates that a query for 'sample Observation' has 1,800 rows loaded.

ObservationID	Province	Country	Timestamp	Confirmed	Deaths	Recovered	Lat	Lon
7641		Belgium	22/01/2020 00:00	0	0	0	50.50389862	4.469900131
7642		Belgium	23/01/2020 00:00	0	0	0	50.50389862	4.469900131
7643		Belgium	24/01/2020 00:00	0	0	0	50.50389862	4.469900131
7644		Belgium	25/01/2020 00:00	0	0	0	50.50389862	4.469900131
7645		Belgium	26/01/2020 00:00	0	0	0	50.50389862	4.469900131
7646		Belgium	27/01/2020 00:00	0	0	0	50.50389862	4.469900131
7647		Belgium	28/01/2020 00:00	0	0	0	50.50389862	4.469900131
7648		Belgium	29/01/2020 00:00	0	0	0	50.50389862	4.469900131
7649		Belgium	30/01/2020 00:00	0	0	0	50.50389862	4.469900131
7650		Belgium	31/01/2020 00:00	0	0	0	50.50389862	4.469900131
7651		Belgium	01/02/2020 00:00	0	0	0	50.50389862	4.469900131
7652		Belgium	02/02/2020 00:00	0	0	0	50.50389862	4.469900131
7653		Belgium	03/02/2020 00:00	0	0	0	50.50389862	4.469900131
7654		Belgium	04/02/2020 00:00	1	0	0	50.50389862	4.469900131
7655		Belgium	05/02/2020 00:00	1	0	0	50.50389862	4.469900131
7656		Belgium	06/02/2020 00:00	1	0	0	50.50389862	4.469900131
7657		Belgium	07/02/2020 00:00	1	0	0	50.50389862	4.469900131
7658		Belgium	08/02/2020 00:00	1	0	0	50.50389862	4.469900131
7659		Belgium	09/02/2020 00:00	1	0	0	50.50389862	4.469900131
7660		Belgium	10/02/2020 00:00	1	0	0	50.50389862	4.469900131
7661		Belgium	11/02/2020 00:00	1	0	0	50.50389862	4.469900131
7662		Belgium	12/02/2020 00:00	1	0	0	50.50389862	4.469900131
7663		Belgium	13/02/2020 00:00	1	0	0	50.50389862	4.469900131
7664		Belgium	14/02/2020 00:00	1	0	0	50.50389862	4.469900131
7665		Cambodia	22/01/2020 00:00	0	0	0	12.56569958	104.9909973
7666		Cambodia	23/01/2020 00:00	0	0	0	12.56569958	104.9909973
7667		Cambodia	24/01/2020 00:00	0	0	0	12.56569958	104.9909973
7668		Cambodia	25/01/2020 00:00	0	0	0	12.56569958	104.9909973
7669		Cambodia	26/01/2020 00:00	0	0	0	12.56569958	104.9909973
7670		Cambodia	27/01/2020 00:00	1	0	0	12.56569958	104.9909973
7671		Cambodia	28/01/2020 00:00	1	0	0	12.56569958	104.9909973
7672		Cambodia	29/01/2020 00:00	1	0	0	12.56569958	104.9909973
7673		Cambodia	30/01/2020 00:00	1	0	0	12.56569958	104.9909973
7674		Cambodia	31/01/2020 00:00	1	0	0	12.56569958	104.9909973
7675		Cambodia	01/02/2020 00:00	1	0	0	12.56569958	104.9909973
7676		Cambodia	02/02/2020 00:00	1	0	0	12.56569958	104.9909973
7677		Cambodia	03/02/2020 00:00	1	0	0	12.56569958	104.9909973

# Short-Term Immunity

More people are getting COVID-19 twice, suggesting immunity wanes quickly in some

By [Jop de Vrieze](#) | Nov. 18, 2020, 12:55 PM

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**Science's COVID-19 reporting is supported by the Pulitzer Center and the Heising-Simons Foundation.**

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In late June, Sanne de Jong developed nausea, shortness of breath, sore muscles, and a runny nose. At first, she thought it might be lingering effects from her COVID-19 infection in the spring. De Jong, 22, had tested positive on 17 April and suffered mild symptoms for about 2 weeks. She tested negative on 2 May—just in time to say farewell to her dying grandmother—and returned to work as a nursing intern in a hospital in Rotterdam, the Netherlands.

# Variants

- Already 20 states in US with confirmed variant cases
- Vaccine(s) effectiveness on variants is still unknown

CNBC

## U.S. confirms first case of the new Covid strain discovered in UK

The infected individual, a man in his 20s, does not have a history of traveling and is in isolation in Elbert County, about an hour and a half south ...

1 day ago

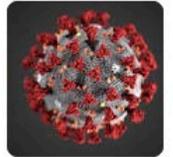


CNN

## Colorado officials suspect they've found a second case of UK coronavirus variant

Health officials in a Colorado county believe they've found a second local case of a coronavirus variant from the United Kingdom – one that ...

2 hours ago



USA TODAY

## Two states in the U.S. now have cases of more contagious COVID-19 strain

Two states in the U.S. have now confirmed cases of a more contagious coronavirus strain that was first identified in the United Kingdom - and ...

23 mins ago



# CMS Quality Measures Under Consideration

- This 2020 list includes three process measures for the coronavirus disease 2019 (COVID-19) vaccine. The measures under consideration list proposes looking at:
  - Vaccination coverage among health care personnel,
  - Vaccination by clinicians, and
  - Vaccination coverage for patients in End-Stage Renal Disease (ESRD) facilities;
- Measures rely on digital rather than traditional “pen-and-paper” data collection



## Live Poll

In 2021, what do you expect in terms of COVID reporting regulations?

- More regulations
- Less regulations
- About the same
- I don't know

# The Perfect Regulatory Storm

How are we going to keep up with this?

- Become a Microsoft Excel wizard
- Hire 3-4 full time employees to manage it all
- Ask our internal IT department to build a web application
- Give up



EasyReporting is a turn-key COVID-19 reporting solution that protects providers by keeping them in compliance with rolling regulatory changes.

PointClickCare

MatrixCare



RESIDENT DATA

STAFF DATA



ADP

OnShift

Paycor



# EHR Integration

- List of current residents
- ICD-10 diagnoses codes (and diagnosed dates)  
*new COVID-specific ICD-10 released for 2021*
- Deceased residents
- Discharged residents

### Covid-19 Lab Result

Resident: Michel, Sony (57918)  
Description: Other  
Date: 11/30/2020  
Section Status: Unedited   
Lock Date:

Save & Sign Save Save & Exit Save & Sign & Lock & Exit Cancel Clear All

### SECTION Cust. Covid-19 Testing - V 1

A. Testing

Test Date  
1. What day was test administered?

Results Date  
2. What date did you receive the test results?

In-House  
3. Where was this test conducted?

Device  
4. What device was used to preform this test?

Test Ordered  
5. What type of test was this?

Specimen  
6. Type of specimen?

Result  
7. What was the result of the test?

### SECTION Cust. Covid-19 Testing - V 1

Save & Sign Save Save & Exit Save & Sign & Lock & Exit Cancel Clear All

[Click Here to View Quick Entry - Keyboard Navigation Tips](#)

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https://geteasyreporting.com

Apps Bookmarks

ER COVID-19 BOSTON SKILLED NURSING RESIDENTS STAFF FACILITY

+ (Add)

	SYMPTOMS	FLU	RESP. ILLNESS	REINFECTED	OUTCOME				
Copeland, Brandon ⓘ	Please Select ▾	No ▾	No ▾	No ▾	Expired in Facility ▾	Jan 3rd	+		
Michel, Sony ⓘ	Please Select ▾	No ▾	No ▾	No ▾	Please Select ▾	COVID-19	+		
Gilmore, Stephon ⓘ	Please Select ▾	No ▾	No ▾	No ▾	Please Select ▾	COVID-19	+		
Edelman, Julian ⓘ	Symptomatic ▾	Jan 2nd	Yes ▾	No ▾	No ▾	Please Select ▾	COVID-19	+	
Dugger, Kyle ⓘ	Symptomatic ▾	Jan 3rd	No ▾	Yes ▾	No ▾	Expired in Facility ▾	Jan 4th	COVID-19	+

Easy Reporting https://geteasyreporting.com

COVID-19 BOSTON SKILLED NURSING **RESIDENTS** STAFF FACILITY

	SYMPTOMS	FLU	RESP. ILLNESS	REINFECTED	OUTCOME	
<b>Copeland, Brandon</b>	Please Select	No	No	No	Expired in Facility	Jan 3rd
<b>Michel, Sony</b>	Please Select	No	No	No	Please Select	COVID-19
<p>Jan 4th A COVID-19 ICD-10 code was found for this resident.</p> <p>Jan 3rd This resident tested positive for COVID-19.</p> <p>Jan 1st This resident scored over the threshold for a company UDA.</p>						
<b>Gilmore, Stephon</b>	Please Select	No	No	No	Please Select	COVID-19
<b>Edelman, Julian</b>	Symptomatic	Yes	No	No	Please Select	COVID-19
<b>Dugger, Kyle</b>	Symptomatic	No	Yes	No	Expired in Facility	Jan 4th

Easy Reporting | <https://geteasyreporting.com>

COVID-19 | BOSTON SKILLED NURSING | RESIDENTS | STAFF | FACILITY

	SYMPTOMS	FLU	RESP. ILLNESS	REINFECTED	OUTCOME			
Copeland, Brandon	Please Select	No	No	No	Expired in Facility	Jan 3rd		
<b>Michel, Sony</b>	Please Select	No	No	No	Please Select	<b>COVID-19</b>		
Jan 4th	A COVID-19 ICD-10 code was found for this resident.							
Jan 3rd	This resident tested positive for COVID-19.							
Jan 1st	This resident scored over the threshold for a company UDA.							
Gilmore, Stephon	Please Select	No	No	No	Please Select	<b>COVID-19</b>		
Edelman, Julian	Symptomatic	Jan 2nd	Yes	No	No	Please Select	<b>COVID-19</b>	
Dugger, Kyle	Symptomatic	Jan 3rd	No	Yes	No	Expired in Facility	Jan 4th	<b>COVID-19</b>

# Staff Data

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	TEST_DATE	RESULTS_DATE	FACILITY	FIRST_NAME	LAST_NAME	TRIGGER	SOURCE	DEVICE	METHOD	SPECIMEN	RESULTS	SYMPT	PREGNANT
2	1/4/2021	1/4/2021	Boston Skilled Nursing	Troy	Brown	surveillance	poc_device	Quidel Sofia 2	antigen	nasopharyngeal_s	positive	yes	unknown
3	1/1/2021	1/3/2021	Boston Skilled Nursing	Cole	Popovich	surveillance	outsourced	Quidel Sofia 2	molecular	nasopharyngeal_s	positive	no	unknown
4	1/3/2021	1/3/2021	Boston Skilled Nursing	Troy	Brown	surveillance	poc_device	Quidel Sofia 2	antigen	nasopharyngeal_s	negative	no	unknown
5	1/2/2021	1/2/2021	Boston Skilled Nursing	Cole	Popovich	surveillance	poc_device	Quidel Sofia 2	antigen	nasopharyngeal_s	negative	no	unknown
6	1/3/2021	1/3/2021	Boston Skilled Nursing	Carmen	Bricillo	surveillance	poc_device	Quidel Sofia 2	antigen	nasopharyngeal_s	positive	no	unknown
7	1/1/2021	1/1/2021	Boston Skilled Nursing	Cole	Popovich	surveillance	poc_device	Quidel Sofia 2	antigen	nasopharyngeal_s	negative	no	unknown
8	1/2/2021	1/2/2021	Boston Skilled Nursing	Carmen	Bricillo	surveillance	poc_device	Quidel Sofia 2	antigen	nasopharyngeal_s	negative	no	unknown
9	1/1/2021	1/1/2021	Boston Skilled Nursing	Carmen	Bricillo	surveillance	poc_device	Quidel Sofia 2	antigen	nasopharyngeal_s	negative	no	unknown
10													
11													
12													

Easy Reporting x +

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Apps Bookmarks

ER Submissions > Active

RESIDENTS STAFF SUPPLIES VENTILATORS

	RES POS	ADMITTED	DEATHS	C19 DEATHS	BEDS	CENSUS	TESTABILITY	TESTABILITY	POC RES	POC STAFF	ANTIGEN	PCR	ANTIGEN/PCR	OTHER	REINFECT
Boston Skilled Nursing	4 ⓘ	0	2 ⓘ	1 ⓘ	114	105	Y	Y	3	13	2	1	0	0	0
Brady Assisted Living	3 ⓘ	0	0	0	103	91	Y	Y	7	0	0	2	0	0	0
Gillette Assisted Living	1 ⓘ	0	1 ⓘ	1 ⓘ	99	82	Y	Y	9	0	1	0	0	0	0
Kraft Skilled Nursing	2 ⓘ	1 ⓘ	0	0	109	87	Y	Y	11	5	1	0	0	0	0
New England Skilled Nursing	0	0	0	0	74	71	Y	Y	10	0	0	0	0	0	0
Patriots Nursing & Rehabilitation	3 ⓘ	0	0	0	103	99	Y	Y	6	10	1	2	2	2	0
SoFi Skilled Nursing	0	0	0	0	86	81	Y	Y	0	0	0	0	0	0	0

SUBMIT TO CDC

	RES POS	ADMITTED														
Boston Skilled Nursing	4	0														
Brady Assisted Living	3	0														
Gillette Assisted Living	1	0														
Kraft Skilled Nursing	2	1	0	0	109	87	Y	Y	11	5	1	0	0	0	0	0
New England Skilled Nursing	0	0	0	0	74	71	Y	Y	10	0	0	0	0	0	0	0
Patriots Nursing & Rehabilitation	3	0	0	0	103	99	Y	Y	6	10	1	2	2	2	2	2
SoFi Skilled Nursing	0	0	0	0	86	81	Y	Y	0	0	0	0	0	0	0	0

Herron, Justin This resident tested positive for COVID-19.

Hoyer, Brian This resident tested positive for COVID-19.

Izzo, Ryan This resident tested positive for COVID-19.

SUBMIT TO CDC

# Additional Benefits

- Future proofs provider against regulatory updates
- Incitement letter detection
- Limits time and resources necessary to stay in compliance
- Data is more accurate than hand-entry
- Data is provided to NHSN more frequently



## Live Poll

Would you like a live demo of COVID reporting solutions from EasyReporting?

Yes

No



Q+A



## More Info

- Learn about EasyReporting at <https://geteasyreporting.com>
- [NHSN COVID-19 module](#)
- [Getting Level 3 SAMS access](#)
- [COVID-19 Vaccination Reporting](#)
- [POC Test Results Reporting](#)