The National Healthcare Safety Network Point of Care (POC) Test Result Reporting Tool (POC Tool) for COVID-19

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Centers for Disease Control and Prevention

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Agenda

- Overview
  - Coronavirus Aid, Relief, and Economic Security (CARES) Act
  - Data sharing through the National Healthcare Safety Network (NHSN)
  - Data entry

- Analytics

- Frequently asked questions

- Demonstration

- Resources
Only the POC Test Reporting Tool provides COVID-19 test data for individuals. Do not confuse the Surveillance Reporting Pathways and the POC Test Reporting Tool.
CDC's National Healthcare Safety Network (NHSN) is the nation's most widely used healthcare-associated infection 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.

In addition, NHSN allows healthcare facilities to track blood safety errors and important healthcare process measures such as healthcare personnel influenza vaccine status and infection control adherence rates.

**Educational Resources**

https://www.cdc.gov/nhsn/ltc/covid19/index.html
What is Point of Care Testing (POCT)?

- The College of American Pathologists (CAP) defines POCT as “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.” ¹
- It is usually performed by non-laboratory trained individuals such as nurses, physicians, nursing assistants, and anesthesia assistants.
- These tests generally offer faster turn-around time for results.
- They often require less sample volume than tests performed in the laboratory.

¹ https://webapps.cap.org/apps/docs/education/OnlineCourseContent/2011/LAP/Resources/Checklists/POC.pdf
Overview

Impetus and Process
Coronavirus Aid, Relief, and Economic Security (CARES) Act

Public Law 116-136, § 18115(a)¹

- Requires reporting
  - within 24 hours of results
  - results of each test to “detect SARS-CoV-2 or to diagnosis a possible case of COVID-19” by laboratories*
  - to Secretary of Department of Health and Human Services (DHHS)

- DHHS issued guidance on June 4, 2020 to outline requirements for data submission to DHHS as authorized under the CARES Act²

- “As a guiding principle, data should be sent to state or local public health departments using existing reporting channels (in accordance with state law or policies) to ensure rapid initiation of case investigations by those departments....”

* laboratory definition includes all locations performing point of care testing (NHs, ALFs, etc.)

CMS-certified long-term care facilities may submit point-of-care SARS-CoV-2 testing data, including antigen testing data, to CDC’s National Healthcare Safety Network (NHSN). This CDC- and CMS-preferred pathway to submit data to CDC’s NHSN applies only to CMS-certified long-term care facilities. Test data submitted to NHSN will be reported to appropriate state and local health departments using standard electronic laboratory messages. Other types of LTC facilities may also report testing data in NHSN for self-tracking or to fulfill state or local reporting requirements, if any. While NHSN is the CDC- and CMS-preferred pathway, Medicare and Medicaid-certified LTC facilities may submit data through the other mechanisms described in the Current Methods of Submission section of HHS Laboratory Reporting Guidance to meet the reporting requirements.

Why a Reporting Option Through the National Healthcare Safety Network?

- Creates a single, standardized reporting system that:
  1) all ~15,400 nursing homes already use for other COVID-19 reporting;
  2) has the capability to share data with state and local health departments;
  3) has the capability to share data with HHS and CMS; and
  4) avoids the creation of a patchwork of different jurisdictional reporting systems by state health departments

If your state or local health department has already developed a process by which facilities report these data, please contact these public health authorities before changing the reporting process.
Nursing Home Reporting Proposed Data Flow

1. Identify facility-specific defaults on set-up

2. Ingest files into APHL-provided csv to generate HL7

3. Route files based on State where NH is located

4. Submit laboratory data to CDC

Every 15”

Every 2 hr

CDC

U.S. Department of Health and Human Services

APHL Informatics Messaging Services (AIMS)
Manual Data Entry
Burden-sparing NHSN Architecture

- “Single-page application”
- Required data elements limited to those identified in CARES Act and/or needed by state and local health departments
- Drop down list for county based on State
- Options are specific for the test device used
  - Test ordered
  - Specimen source
  - Test result
Burden-sparing NHSN Architecture Cont.

- Auto-population for some data fields
  - Links to previously entered demographics for the tested individual
  - Defaults to facility address for residents
  - Allows for facility-specific defaults for device(s) type and ordering physician
  - Defaults to identified information for
    - Test Ordered
    - Specimen number
    - Symptomatic?
    - Pregnant?
Performed by someone with Administration Rights.
Add Test Result

POC Test Result

Test Date: [3]
Device Name: BD Veritor System for Rapid Detection of SARS-CoV-2, Becton, Dickinson and Company (BD), EUA
Test Ordered: SARS-CoV-2 (COVID-19) Ag [Presence] in Respiratory specimen by Rapid immunoassay
Specimen Source: Nasal Swab
Test Result(s): Test Performed
Specimen Number: 26900848
Ordering Physician: STEPHEN WILLIS
Was person symptomatic? No
Was person pregnant? No

Save  Cancel
### Add Physician

- **First Name**: 
- **Last Name**: 
- **Work Phone**: 567-385-9473 Ext: 
- **Address, line 1**: 2344 Medical Way st
- **City**: Atlanta
- **State**: GA - Georgla
- **Zip Code**: 30322 Ext: 
- **Comment**:

### Physicians

- Default: STEPHEN WILLIS
- DR WHO
- ROBERT WHITE
- WILLIAM TURNER
- BILL SMITH
- KRISTINE PHILLIPS
- STACY JONES
What happens if the device my facility is using is not listed?

- Check with your state health department about alternative methods to report the data

- NHSN is continuously updating the list of test devices for which test results can be reported

- Notify NHSN with the name of the device at NHSN@cdc.gov
Comma-separated Value (CSV) Upload

Use for section headers
What Data can be Uploaded Via CSV?

- POC test results, including the accompanying demographic data

- Demographic data only, for pre-loading purposes
  - May be useful if your facility has this information in an electronic format and you are moving to reporting data to NHSN, and will be doing so manually
What Instruction is Available?


- Training video @ https://www.cdc.gov/nhsn/ltc/covid19/index.html
Analysis

- Three current line list options
  - Resident testing
  - Staff/Volunteer/Contractor testing
  - Visitor testing
- Run and Modify options
- Sortable — default is sort by test result
- Additional analysis options to be added as needs identified
- Always remember to generate datasets before running analysis to ensure that all entered data is included.
## Fictional Example of Staff Line List

### National Healthcare Safety Network
**Line Listing - LTC Staff COVID-19 Testing**

**As of December 3, 2021 at 16:51 PM**

**Data Range:** All LTC COVID-19 Testing

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<th>Facility Org ID</th>
<th>Staff ID Number</th>
<th>Specimen ID</th>
<th>Physician Last Name</th>
<th>POC Device</th>
<th>Test Ordered</th>
<th>Test Performed</th>
<th>Specimen Type</th>
<th>Test Result</th>
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<th>Was person symptomatic?</th>
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Frequently Asked Questions

www.cdc.gov/nhsn/ltc/covid19/index.html
Why am I not seeing the option to report Point of Care (POC) test results for staff?

- In recognition of sensitivity of test information:
  - Only NHSN Facility Administrator (FacAd) will automatically be granted rights to STAFF POC data.
  - FacAd will need to grant rights to other NHSN Users as needed to perform necessary reporting.

Let’s look at how one grants NHSN rights to an NHSN User
NHSN - National Healthcare Safety Network

Find User

- Enter search criteria and click Find

User Information

- User ID:
- First Name:
- Middle Name:
- Last Name:
- Phone Number:
- E-mail Address:

Find | Clear | Back
Find User

- Enter search criteria and click Find

User Information

User ID: 
First Name: 
Middle Name: 
Last Name: Jones
Phone Number: 
E-mail Address: 

Find  Clear  Back
Mandatory fields marked with ★

User ID ★: KJONES

Prefix: [Field]
First Name ★: Katrina
Middle Name: [Field]
Last Name ★: Jones
Title: [Field]
User Active: Y - Yes
User Type: [Field]
Phone Number ★: 111-111-1111
Fax Number: [Field]
E-mail Address ★: KJONES@CDC.GOV

Address, line 1: [Field]
Address, line 2: [Field]
Address, line 3: [Field]
City: [Field]
State: [Field]
County: [Field]
Zip Code: [Field]
Home Phone Number: [Field]
Beeper: [Field]
User Group/Facility: JOY LTCF (14506)
User Roles: Custom Role(LTCF)

Note, all names and data are fictional.
Mandatory fields marked with *

User ID: KJONES

User Active: Y - Yes

Prefix:

First Name: Katrina

Middle Name:

Last Name: Jones

Title:

User Type:

Phone Number: 111-111-1111

Fax Number:

E-mail Address: KJONES@CDC.GOV

Address, line 1:

Address, line 2:

Address, line 3:

City:

State:

County:

Zip Code:

Home Phone Number:

Beeper:

Save  Deactivate  Change Password  Edit Rights  Effective Rights  Back
Edit User Rights

User ID: 2738 (ID 506335)
Facility: Acute LTCF Test Facility

Rights
- Administrator
- All Rights
- Analyze Data
- Add, Edit, Delete
- View Data
  - Staff - Add, Edit, Delete
  - Staff - View

Long Term Care
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

Ensure you indicate facility preferences here

Effective Rights  Save  Back
Advanced
My local health department called me about a positive test result in a resident, but there was no positive test result. What is wrong?

- Every POC test result recorded in NHSN → test result sent to AIMS.
- If a test result is subsequently changed in NHSN → new test result sent to AIMS.

Two test results sent one positive, one negative.
What do I do if the NHSN Facility Administrator for our facility has left and a replacement was not coordinated beforehand?

- www.cdc.gov/nhsn/facadmin/index.html
Summary

Use for section headers
**Summary**

- NHSN’s Point of Care Test Reporting Tool for COVID-19 is the CDC and CMS preferred method for CMS-certified long-term care facilities to report POC test results.
- The tool enables facilities to report data which are then shared with state health departments (SHDs) and with the U.S. Department of Health and Human Services as well as CDC.
- Data entry into the system has been built to be minimally burdensome and enhancements to the initial tool have been made in response to user feedback.
- The NHSN offers many resources for use of the tool, which can be located at [https://www.cdc.gov/nhsn/ltc/covid19/index.html](https://www.cdc.gov/nhsn/ltc/covid19/index.html)
- For questions about the system, please email: NHSN@cdc.gov and include in the subject line: POC Test Reporting Tool.
Send Questions to: NHSN@cdc.gov

For more information, contact CDC
1-800-CDC-INFO (232-4636)

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.