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

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Division of Healthcare Quality Promotion
Centers for Disease Control and Prevention

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Objectives

- **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**

Overview

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

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 Act[2]
- "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.)**

[1] https://www.congress.gov/116/plaws/publ136/PLAW-116publ136.pdf

Reporting Guidance Language- Update from January 8, 2020

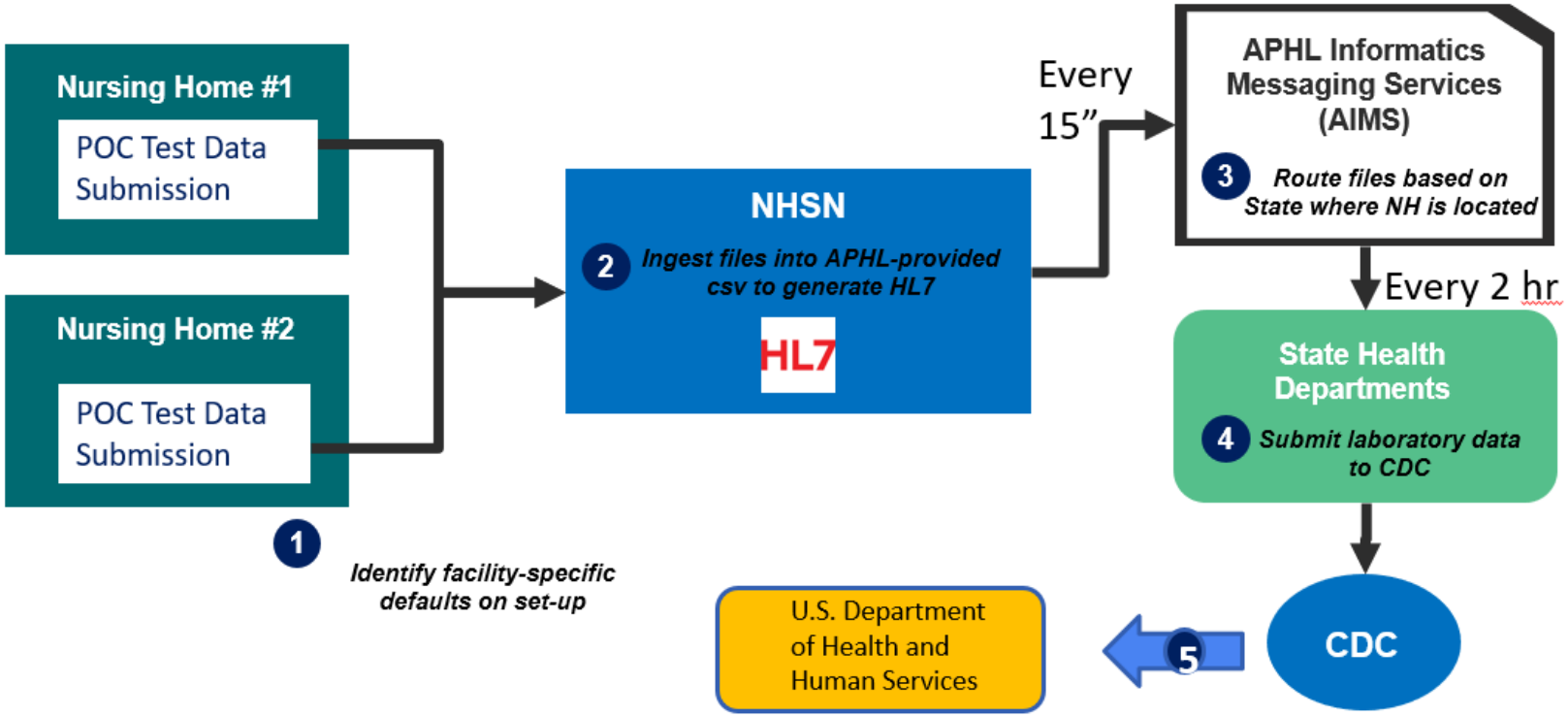
- *CMS-certified long-term care facilities may submit point-of-care SARS-CoV-2 testing data, including antigen testing data, to CDC's National Healthcare Safety Network (NHSN). This CDC- and CMS-preferred pathway to submit data to CDC's NHSN applies only to CMS-certified long-term care facilities. Test 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.*

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



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?
    - Pregnancy Status?

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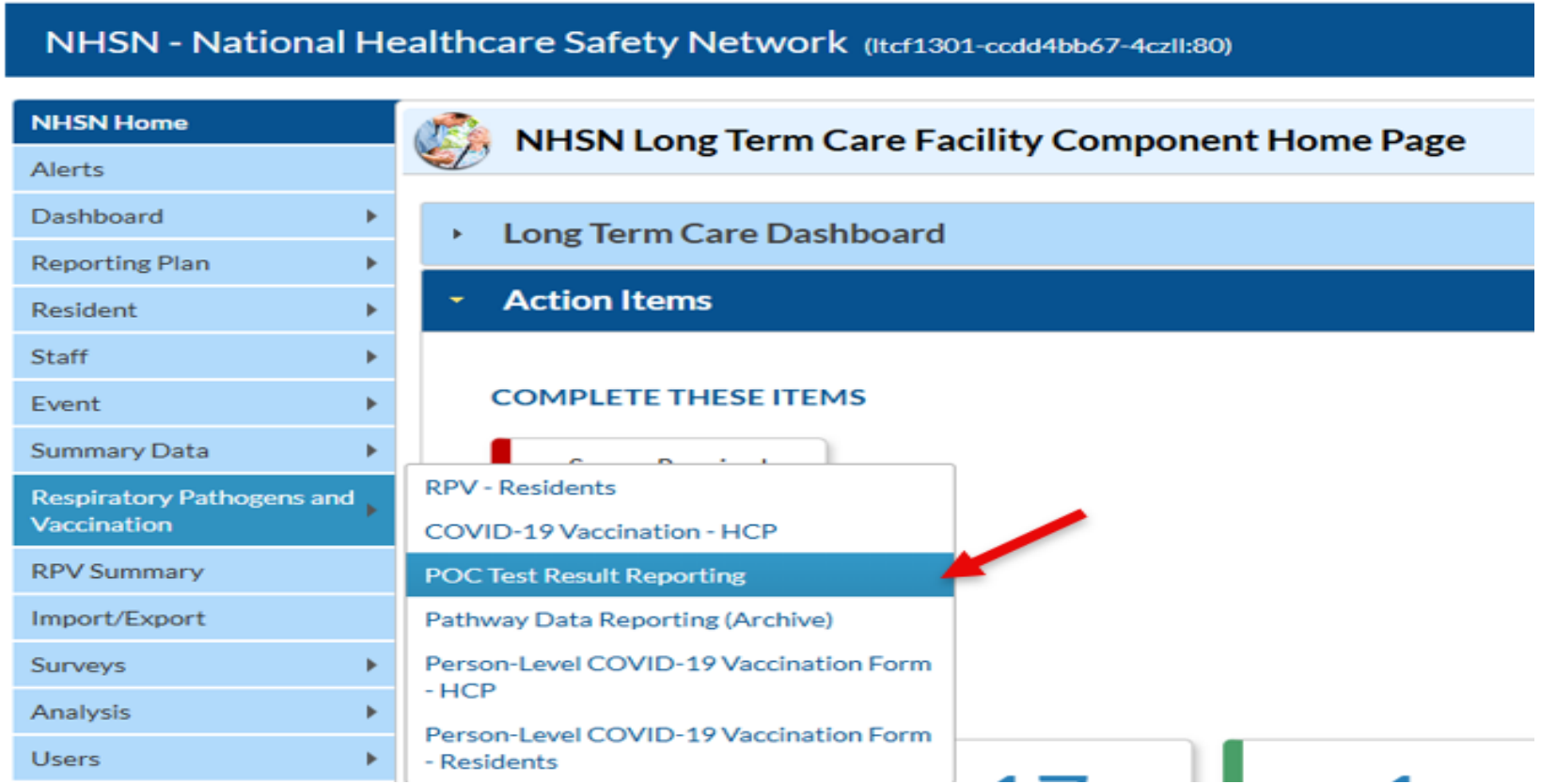

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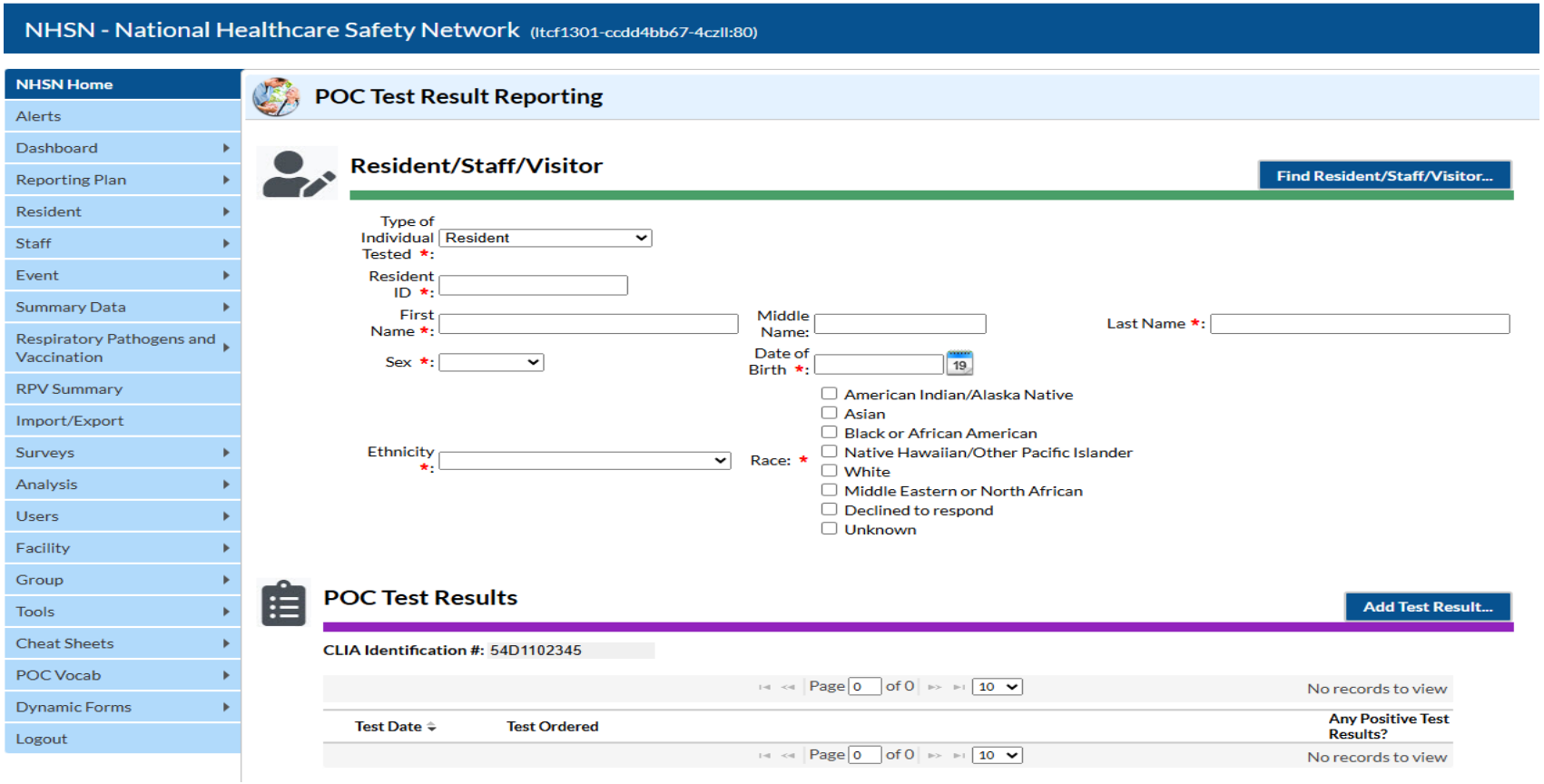
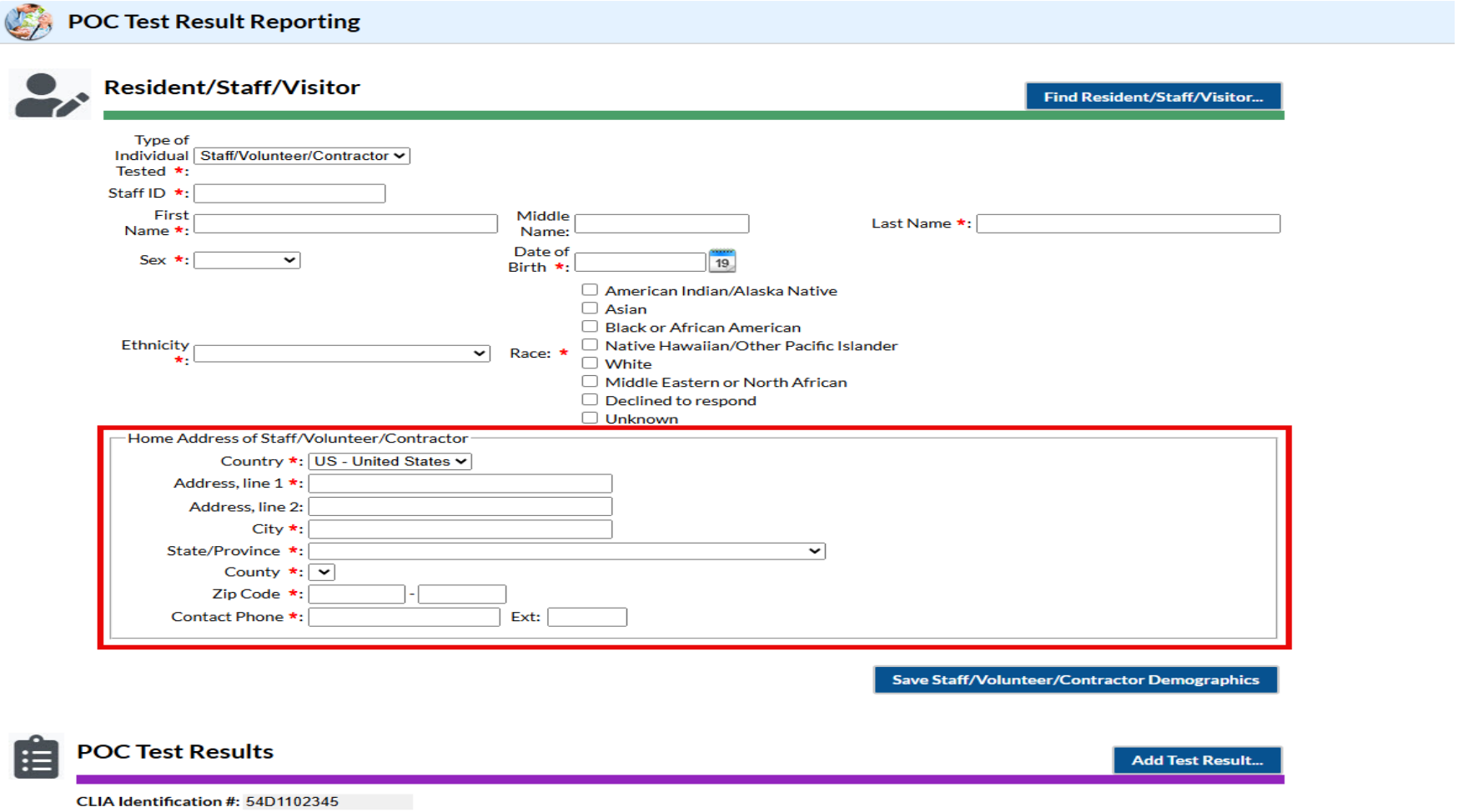
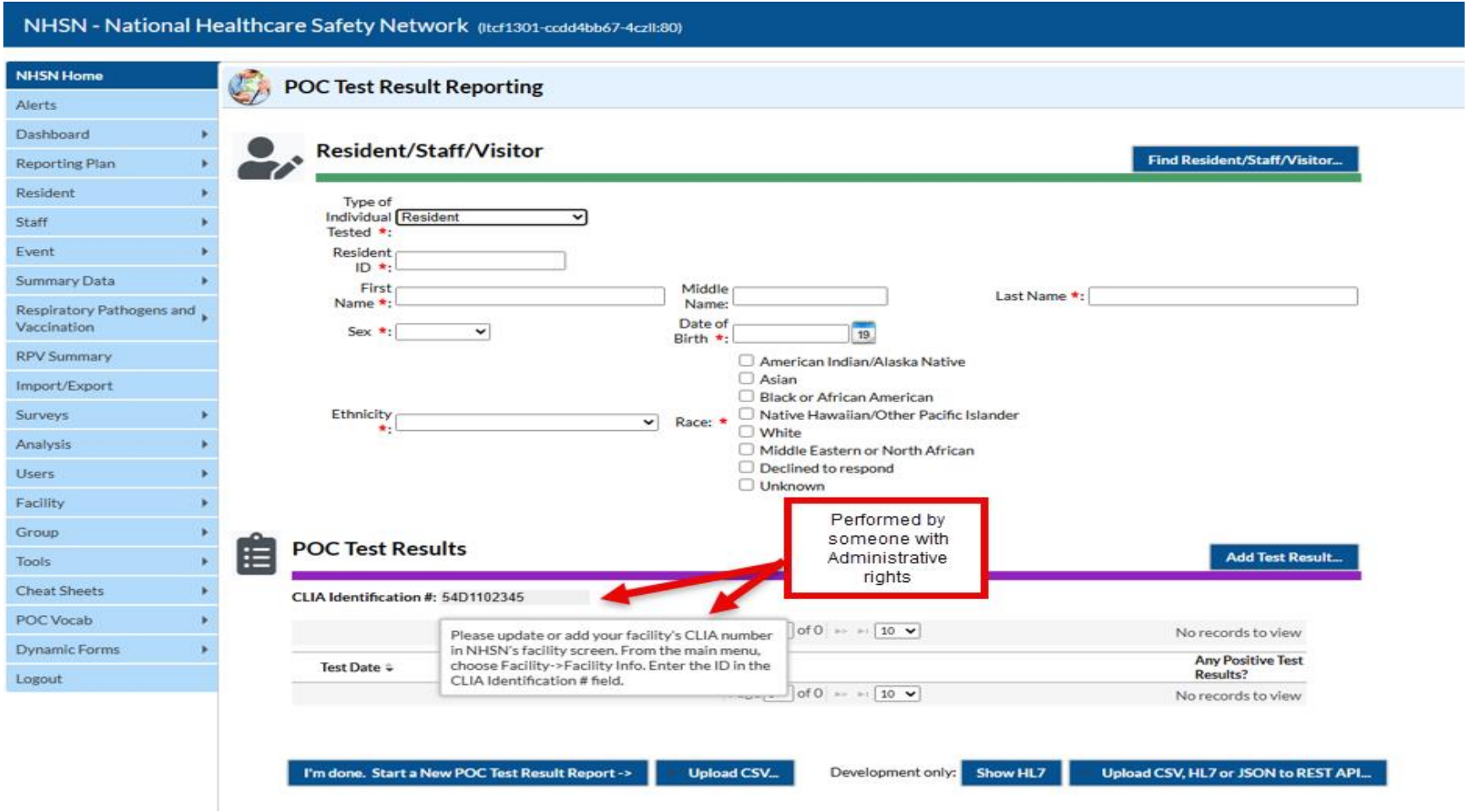
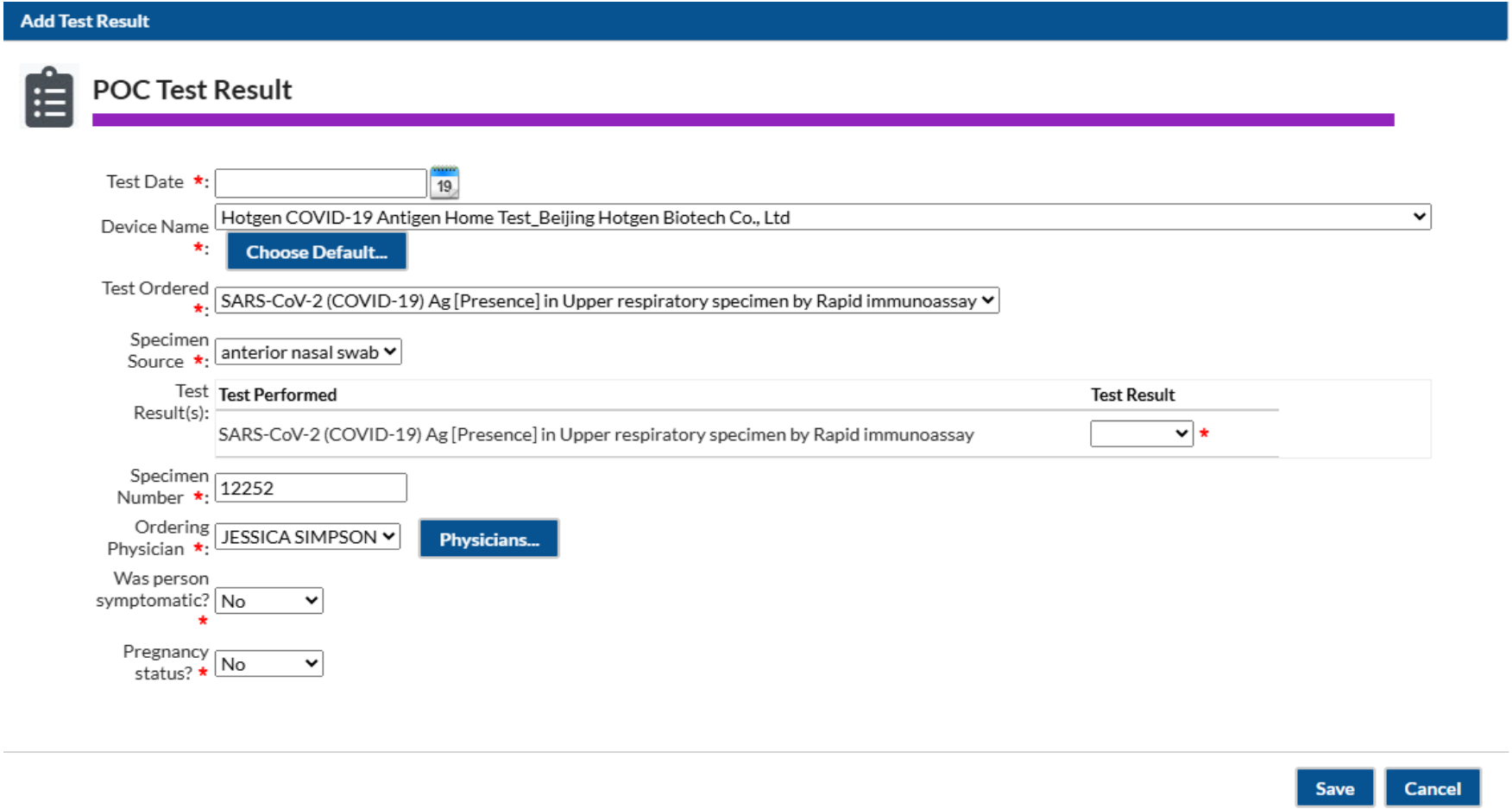
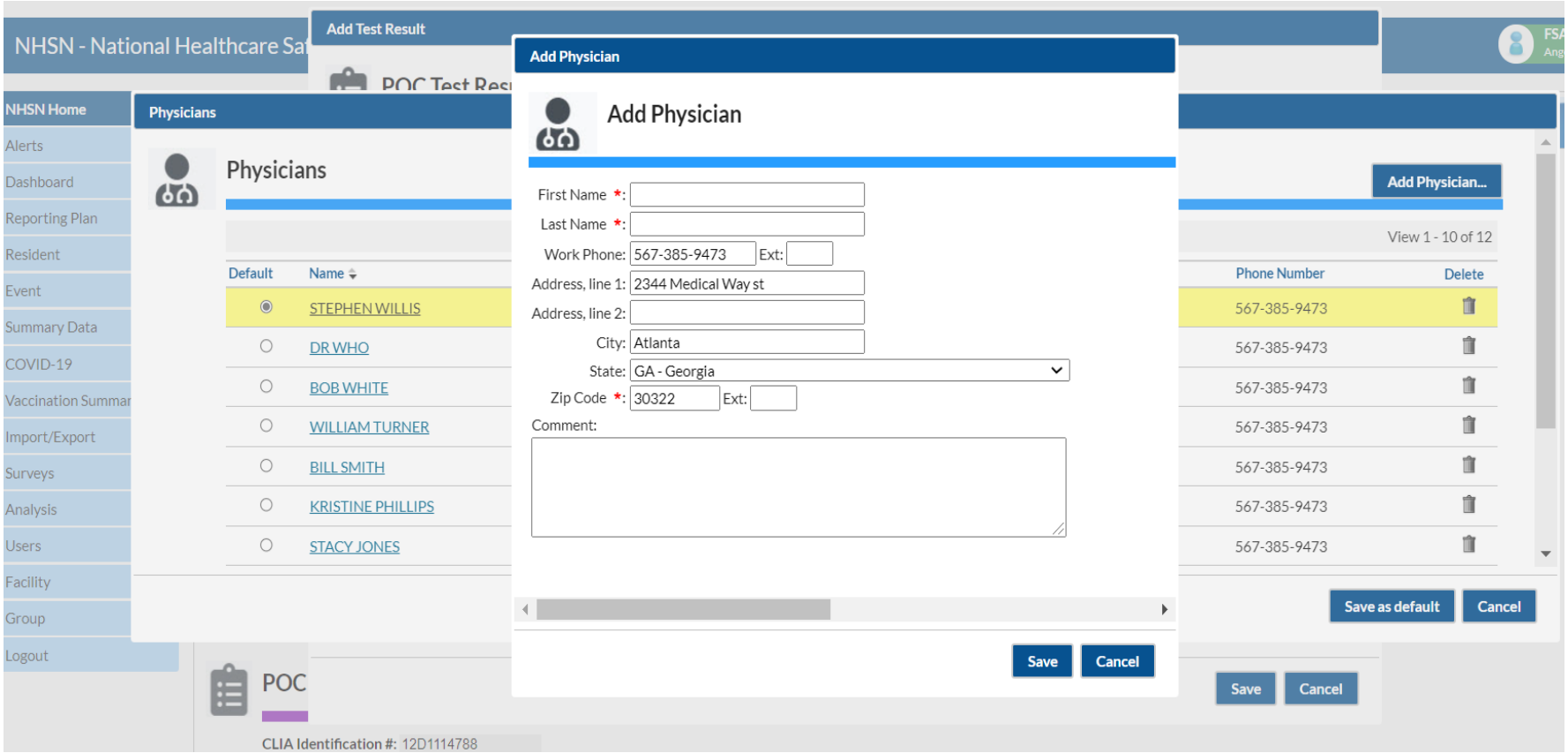
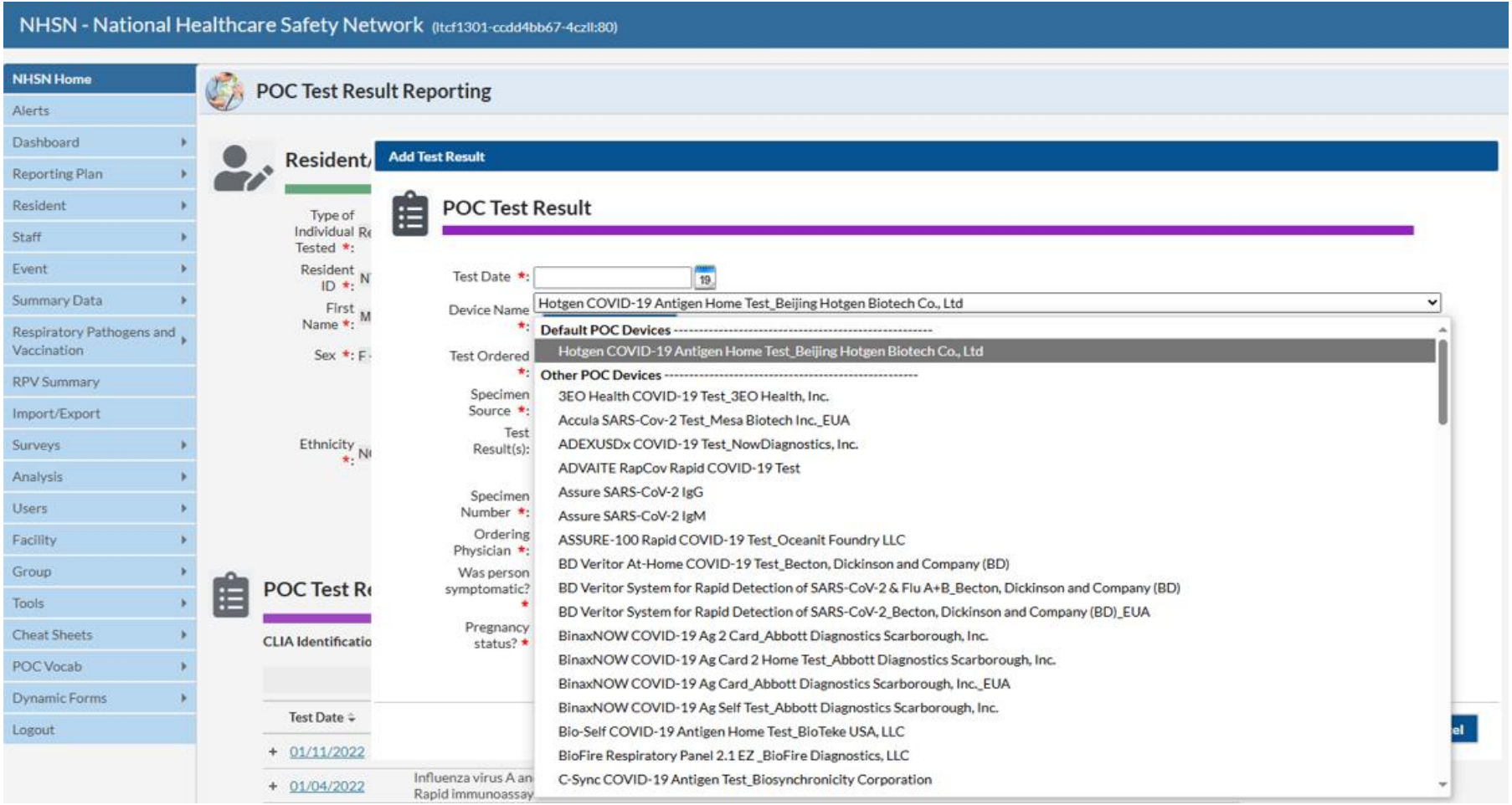



POC Test Result Reporting
Resident/Staff/Visitor
Find Resident/Staff/Visitor...
Type of Individual Tested *:
Staff/Volunteer/Contractor
Staff ID *:
First Name *:
Middle Name:
Last Name *:
Sex *:
Date of Birth *:
19
Ethnicity *:
Race: *
American Indian/Alaska Native
Asian
Black or African American
Native Hawaiian/Other Pacific Islander
White
Middle Eastern or North African
Declined to respond
Unknown
Home Address of Staff/Volunteer/Contractor
Country *:
US - United States
Address, line 1 *:
Address, line 2:
City *:
State/Province *:
County *:
Zip Code *:
Contact Phone *:
Ext:
Save Staff/Volunteer/Contractor Demographics
POC Test Results
Add Test Result...
CLIA Identification #: 54D1102345


NHSN - National Healthcare Safety Network (ltcf1301-ccdd4bb67-4czll:80)
NHSN Home
Alerts
Dashboard
Reporting Plan
Resident
Staff
Event
Summary Data
Respiratory Pathogens and Vaccination
RPV Summary
Import/Export
Surveys
Analysis
Users
Facility
Group
Tools
Cheat Sheets
POC Vocab
Dynamic Forms
Logout
POC Test Result Reporting
Resident/Staff/Visitor
Find Resident/Staff/Visitor...
Type of Individual Tested *: Resident
Resident ID *:
First Name *:
Middle Name:
Last Name *:
Sex *:
Date of Birth *:
Ethnicity *:
Race: *
American Indian/Alaska Native
Asian
Black or African American
Native Hawaiian/Other Pacific Islander
White
Middle Eastern or North African
Declined to respond
Unknown
POC Test Results
Add Test Result...
CLIA Identification #: 54D1102345
Performed by someone with Administrative rights
Please update or add your facility's CLIA number in NHSN's facility screen. From the main menu, choose Facility->Facility Info. Enter the ID in the CLIA Identification # field.
of 0
10
No records to view
Test Date
Any Positive Test Results?
of 0
10
No records to view
I'm done. Start a New POC Test Result Report ->
Upload CSV...
Development only:
Show HL7
Upload CSV, HL7 or JSON to REST API...


Add Test Result
POC Test Result
Test Date *:
19
Device Name *:
Hotgen COVID-19 Antigen Home Test_Beijing Hotgen Biotech Co., Ltd
Choose Default...
Test Ordered *:
SARS-CoV-2 (COVID-19) Ag [Presence] in Upper respiratory specimen by Rapid immunoassay
Specimen Source *:
anterior nasal swab
Test Result(s):
Test Performed
Test Result
SARS-CoV-2 (COVID-19) Ag [Presence] in Upper respiratory specimen by Rapid immunoassay
*
Specimen Number *:
12252
Ordering Physician *:
JESSICA SIMPSON
Physicians...
Was person symptomatic? *
No
Pregnancy status? *
No
Save
Cancel


NHSN - National Healthcare Saf
Add Test Result
POC Test Resu
Add Physician
Add Physician
First Name *:
Last Name *:
Work Phone: 567-385-9473 Ext:
Address, line 1: 2344 Medical Way st
Address, line 2:
City: Atlanta
State: GA - Georgia
Zip Code *: 30322 Ext:
Comment:
Save
Cancel
NHSN Home
Alerts
Dashboard
Reporting Plan
Resident
Event
Summary Data
COVID-19
Vaccination Summar
Import/Export
Surveys
Analysis
Users
Facility
Group
Logout
Physicians
Physicians
Add Physician...
View 1 - 10 of 12
Default
Name
Phone Number
Delete
STEPHEN WILLIS
DR WHO
BOB WHITE
WILLIAM TURNER
BILL SMITH
KRISTINE PHILLIPS
STACY JONES
567-385-9473
Save as default
Cancel
POC
CLIA Identification #: 12D1114788
Save
Cancel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POC Vocab
Dynamic Forms
Logout
POC Test Result Reporting
Add Test Result
POC Test Result
Test Date *:
Device Name *:
Hotgen COVID-19 Antigen Home Test_Beijing Hotgen Biotech Co., Ltd
Test Ordered *:
Specimen Source *:
Test Result(s):
Specimen Number *:
Ordering Physician *:
Was person symptomatic? *
Pregnancy status? *
Default POC Devices ----------
Hotgen COVID-19 Antigen Home Test_Beijing Hotgen Biotech Co., Ltd
Other POC Devices ----------
3EO Health COVID-19 Test_3EO Health, Inc.
Accula SARS-Cov-2 Test_Mesa Biotech Inc._EUA
ADEXUSDx COVID-19 Test_NowDiagnostics, Inc.
ADVAITE RapCov Rapid COVID-19 Test
Assure SARS-CoV-2 IgG
Assure SARS-CoV-2 IgM
ASSURE-100 Rapid COVID-19 Test_Oceanit Foundry LLC
BD Veritor At-Home COVID-19 Test_Becton, Dickinson and Company (BD)
BD Veritor System for Rapid Detection of SARS-CoV-2 & Flu A+B_Becton, Dickinson and Company (BD)
BD Veritor System for Rapid Detection of SARS-CoV-2_Becton, Dickinson and Company (BD)_EUA
BinaxNOW COVID-19 Ag 2 Card_Abbott Diagnostics Scarborough, Inc.
BinaxNOW COVID-19 Ag Card 2 Home Test_Abbott Diagnostics Scarborough, Inc.
BinaxNOW COVID-19 Ag Card_Abbott Diagnostics Scarborough, Inc._EUA
BinaxNOW COVID-19 Ag Self Test_Abbott Diagnostics Scarborough, Inc.
Bio-Self COVID-19 Antigen Home Test_BioTeke USA, LLC
BioFire Respiratory Panel 2.1 EZ _BioFire Diagnostics, LLC
C-Sync COVID-19 Antigen Test_Biosynchronicity Corporation
Test Date
01/11/2022
01/04/2022

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

- Please use NHSN-ServiceNow to submit questions to the NHSN Help Desk. The portal can be accessed at nhsn_csp - NHSN Customer Service or through your CDC Secure Access Management Services (SAMS) account.

Comma-separated Value (CSV) Upload

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

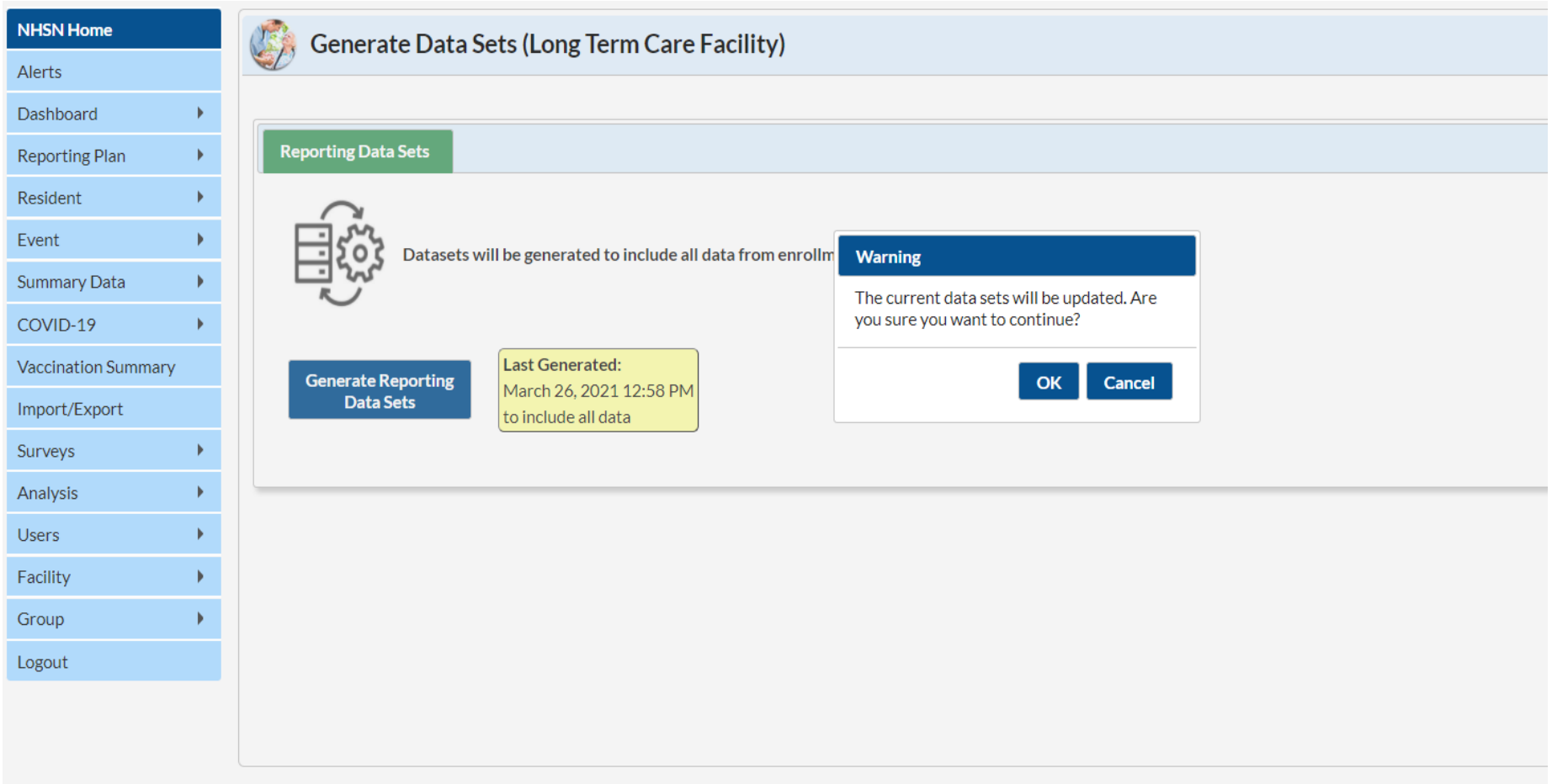
What Instruction is Available?

Step by step instructions with screen shots can be found in the FAQ document at: https://www.cdc.gov/nhsn/ltc/covid19/poc.html

Analytics

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
- Always remember to generate datasets before running analysis to ensure that all entered data is included.


NHSN Home
Alerts
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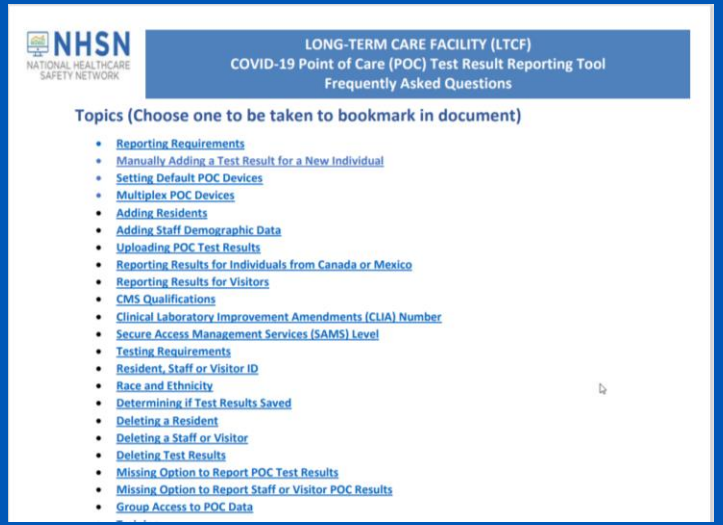
Reporting Plan
Resident
Event
Summary Data
COVID-19
Vaccination Summary
Import/Export
Surveys
Analysis
Users
Facility
Group
Logout
Generate Data Sets (Long Term Care Facility)
Reporting Data Sets
Datasets will be generated to include all data from enrollm
Generate Reporting Data Sets
Last Generated:
March 26, 2021 12:58 PM
to include all data
Warning
The current data sets will be updated. Are you sure you want to continue?
OK
Cancel

Fictional Example of Staff Line List

National Healthcare Safety Network
Line Listing - LTC Staff COVID-19 Testing
As of: December 3, 2021 at 10:13 AM
Date Range: All LTC_COVID19_POCTEST_STAFF

Facility Org ID	Staff ID Number	Specimen ID	Physician Last Name	POC Device	Test Ordered	Test Performed	Specimen Type	Test Result	Result Date	Was person symptomatic?
39455	1	33088	SMITH	BINAXNOW	COVID19	COVID19	NASALSW	POS	30OCT2020:00:00:00	N
39455	1	30657	WHO	BINAXNOW	COVID19	COVID19	NASALSW	NEG	30OCT2020:00:00:00	N
39455	1	23	WHO	SOFIA	COV1COV2	COV1COV2	NASOPHARSW	NEG	02NOV2020:00:00:00	Y
39455	1111	123	JONES	VERITOR	COVID19	COVID19	NASALSW	POS	05NOV2020:00:00:00	N
39455	120	11539225	SMITH	ACCULA	COV19N	COV19N	NASALSW	NEG	03MAY2021:00:00:00	N
39455	121	11539522	SMITH	ACCULA	COV19N	COV19N	NASALSW	NEG	04MAY2021:00:00:00	N
39455	121	20091225	WILLIS	SOFIA	COV1COV2	COV1COV2	NASALSW	NEG	11SEP2021:00:00:00	N
39455	121	20089054	WILLIS	SOFIA	COV1COV2	COV1COV2	NASOPHARSW	POS	14SEP2021:00:00:00	N
39455	121	20129449	WILLIS	SOFIA	COV1COV2	COV1COV2	NASOPHARSW	POS	14SEP2021:00:00:00	N
39455	121	26218384	WILLIS	LUCIRA	COVALLINONE	COVALLINONE	NASALSW	POS	20NOV2021:00:00:00	Y
39455	125	7349707	SMITH	ASSUREIGM	ASSUREIGM	ASSUREIGM	VENWB	POS	16FEB2021:00:00:00	N
39455	1420905	1684927	PHILLIPS	ACCULA	COV19N	COV19N	NASALSW	NEG	01DEC2020:00:00:00	N
39455	1420905	4084791	SMITH	VERITOR	COVID19	COVID19	NASALSW	NEG	10JAN2021:00:00:00	N
39455	1420905	4084706	SMITH	LUMIRA	COV1COV2	COV1COV2	NASALSW	NEG	11JAN2021:00:00:00	N
39455	1420905	4084607	SMITH	IDNOW	COV19RDR	COV19RDR	NASOPHARSW	NEG	12JAN2021:00:00:00	N
39455	1420905	4084510	SMITH	CARESTART	COVID19	COVID19	NASOPHARSW	NEG	13JAN2021:00:00:00	N
39455	15901	1797985	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	11DEC2020:00:00:00	Y
39455	2222	319434	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	03NOV2020:00:00:00	N
39455	2222	319451	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	06NOV2020:00:00:00	N
39455	2222	319454	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	POS	11NOV2020:00:00:00	N
39455	2222	319482	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	13NOV2020:00:00:00	N
39455	2222	319499	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	14NOV2020:00:00:00	N
39455	2222	319519	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	15NOV2020:00:00:00	N
39455	27	53883	JONES	VERITOR	COVID19	COVID19	NASALSW	NEG	03NOV2020:00:00:00	N
39455	3	30680	WHO	BINAXNOW	COVID19	COVID19	NASALSW	POS	29OCT2020:00:00:00	Y
39455	34	242573	WHITE	SOFIA	COV1COV2	COV1COV2	NASALSW	NEG	13NOV2020:00:00:00	N
39455	34	7349674	SMITH	ASSUREIGM	ASSUREIGM	ASSUREIGM	CAPWB	NEG	01MAR2021:00:00:00	N
39455	3456	1159992	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	02DEC2020:00:00:00	N
39455	3457	1160201	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	POS	03DEC2020:00:00:00	N
39455	37285	4226987	SMITH	CUE	COV19RNA	COV19RNA	NASALSW	NEG	23DEC2020:00:00:00	N
39455	45	1683982	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	NEG	11DEC2020:00:00:00	N
39455	4563	6883371	SMITH	IDNOW	COV19RDR	COV19RDR	NASOPHARSW	NEG	22FEB2021:00:00:00	Y
39455	52307	4227687	SMITH	VERITOR	COVID19	COVID19	NASALSW	NEG	03JAN2021:00:00:00	Y
39455	5750	1685665	PHILLIPS	BINAXNOW	COVID19	COVID19	NASALSW	POS	09DEC2020:00:00:00	N
39455	6357	7568483	SMITH	IDNOW	COV19RDR	COV19RDR	THROATSW	POS	03MAR2021:00:00:00	N
39455	6357	7753	SMITH	[illegible]	[illegible]	[illegible]	NASALSW	NEG	[illegible]	N



NHSN
NATIONAL HEALTHCARE SAFETY NETWORK

LONG-TERM CARE FACILITY (LTCF)
COVID-19 Point of Care (POC) Test Result Reporting Tool
Frequently Asked Questions

Topics (Choose one to be taken to bookmark in document)

- Reporting Requirements
- Manually Adding a Test Result for a New Individual
- Setting Default POC Devices
- Multiplex POC Devices
- Adding Residents
- Adding Staff Demographic Data
- Uploading POC Test Results
- Reporting Results for Individuals from Canada or Mexico
- Reporting Results for Visitors
- CMS Qualifications
- Clinical Laboratory Improvement Amendments (CLIA) Number
- Secure Access Management Services (SAMS) Level
- Testing Requirements
- Resident, Staff or Visitor ID
- Race and Ethnicity
- Determining if Test Results Saved
- Deleting a Resident
- Deleting a Staff or Visitor
- Deleting Test Results
- Missing Option to Report POC Test Results
- Missing Option to Report Staff or Visitor POC Results
- Group Access to POC Data

Frequently Asked Questions

https://www.cdc.gov/nhsn/ltc/covid19/poc.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

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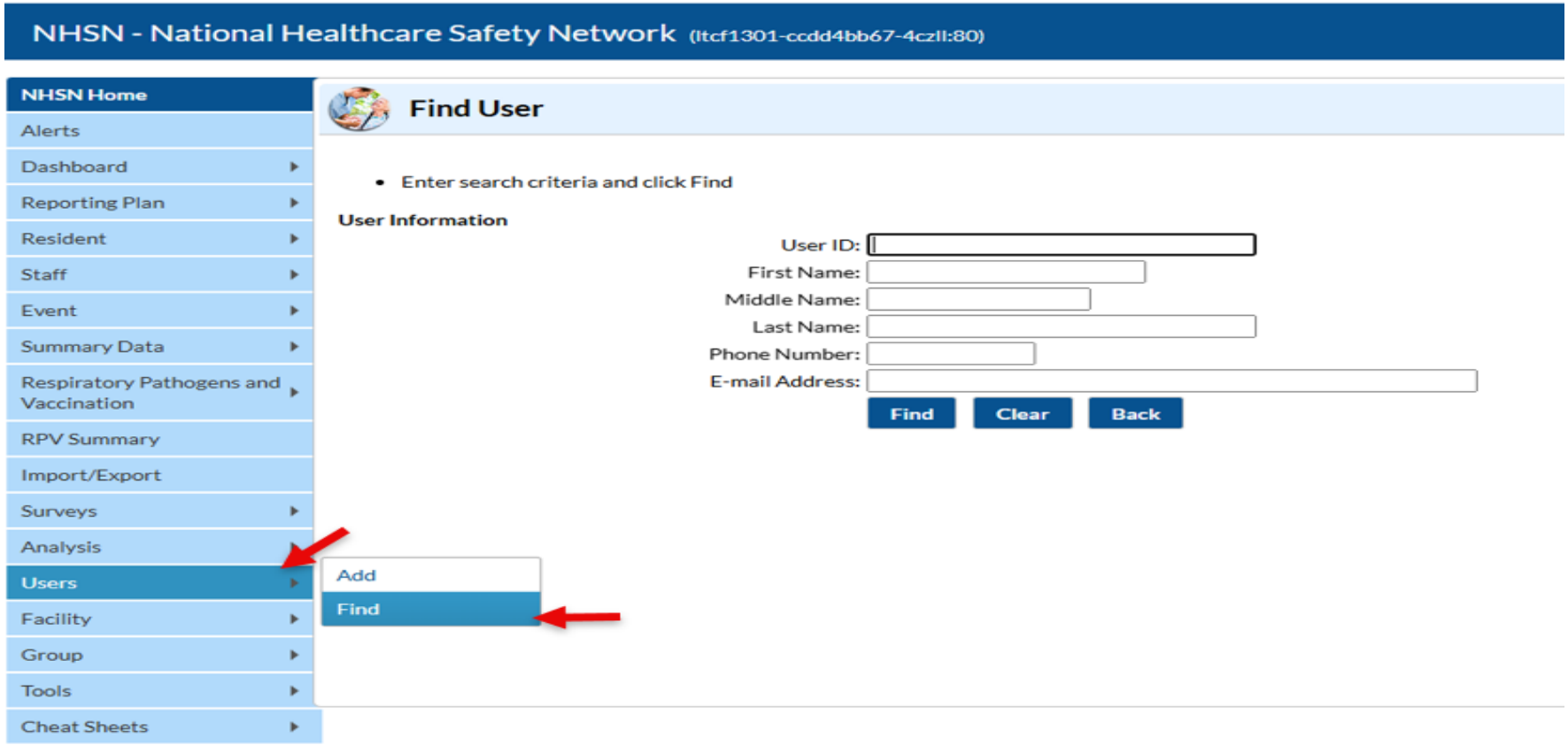
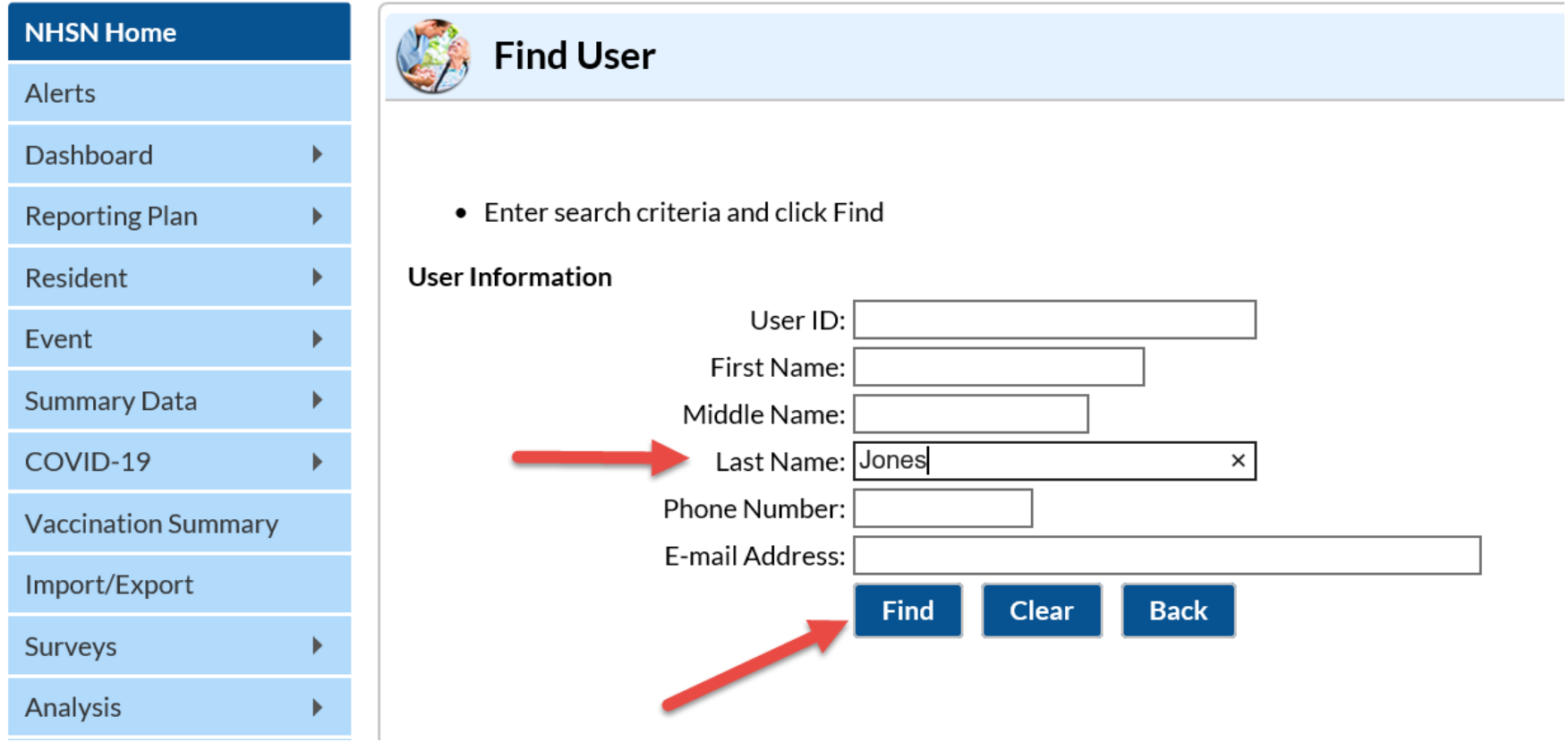
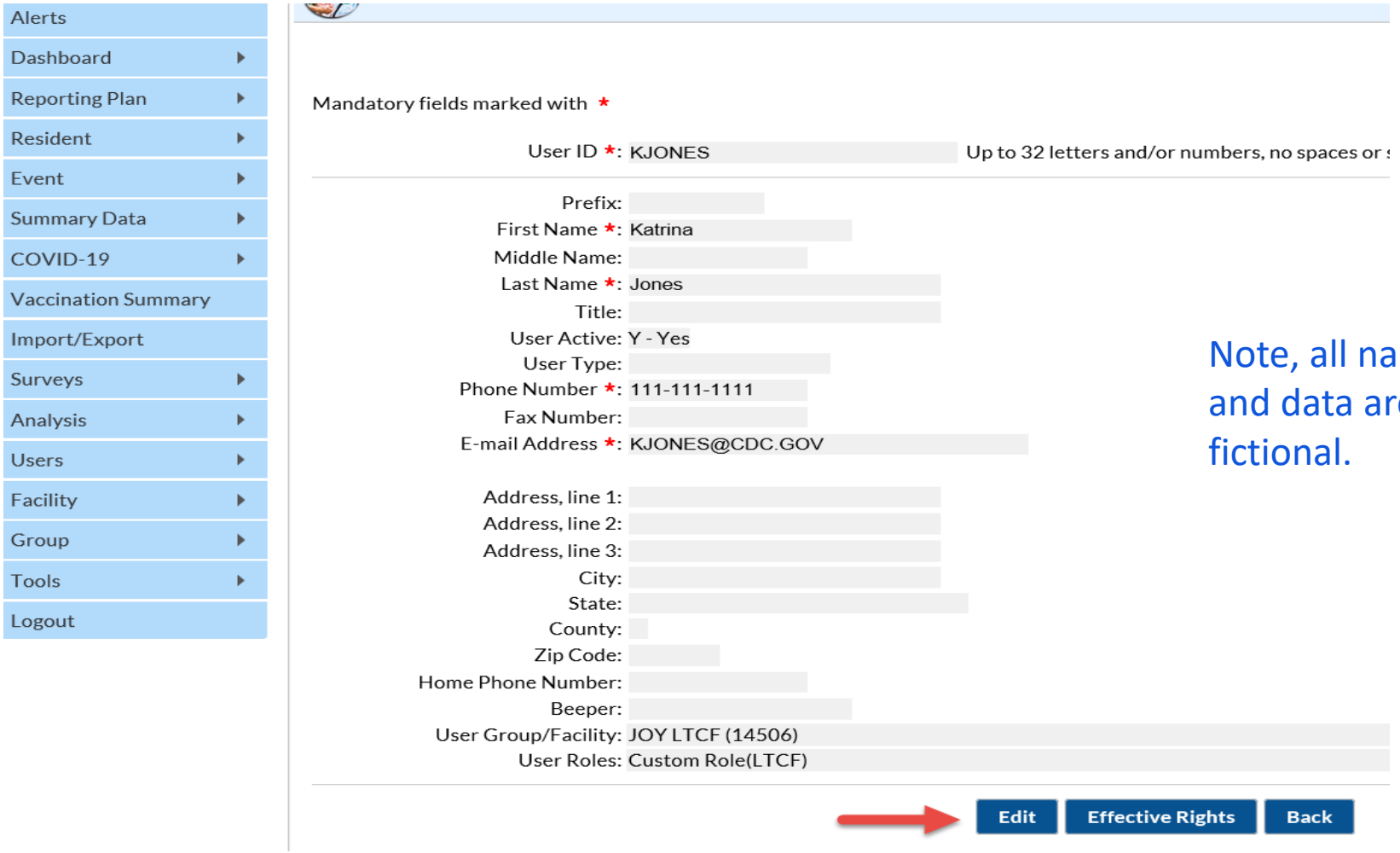
CDC 24/7: Saving Lives, Protecting People™

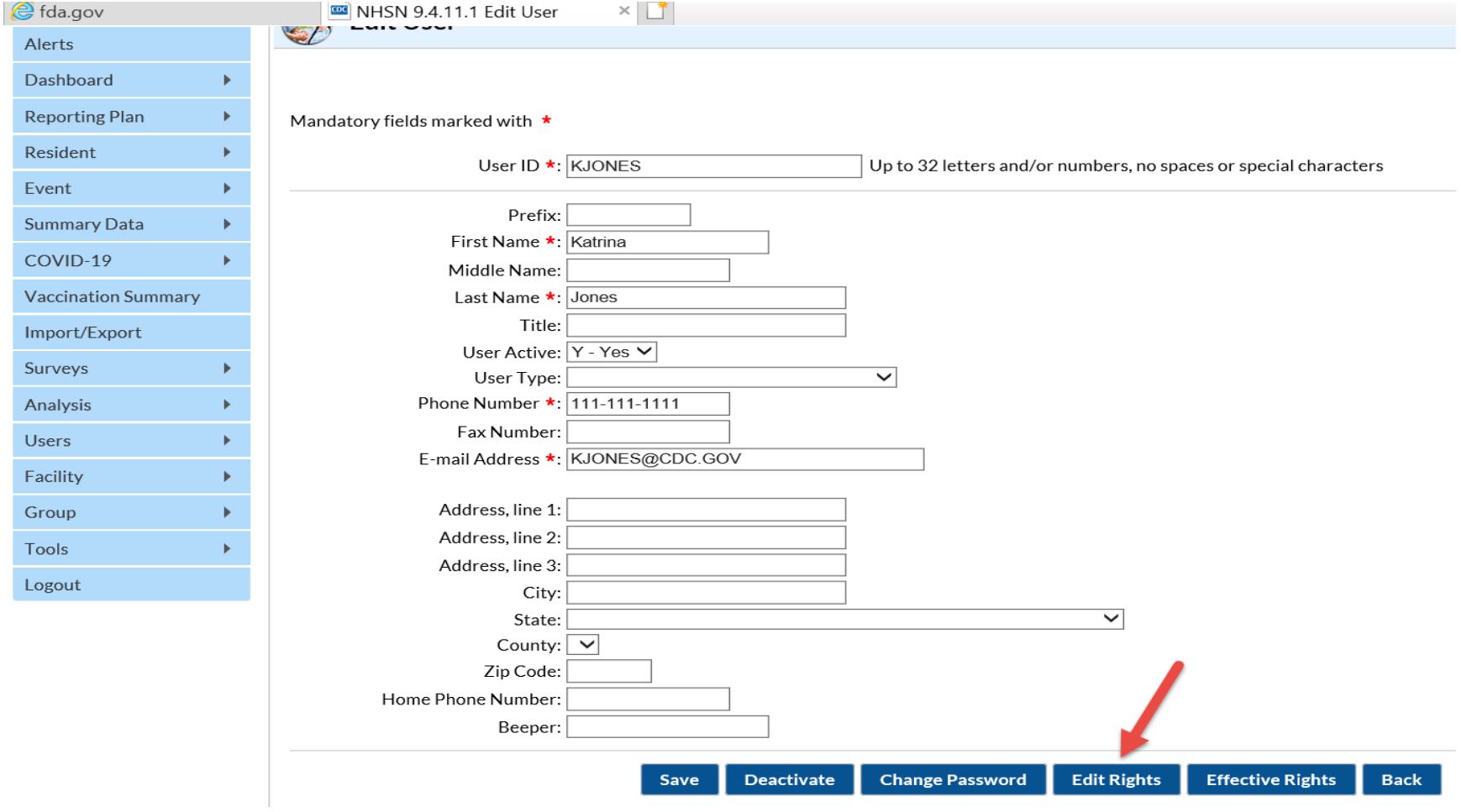


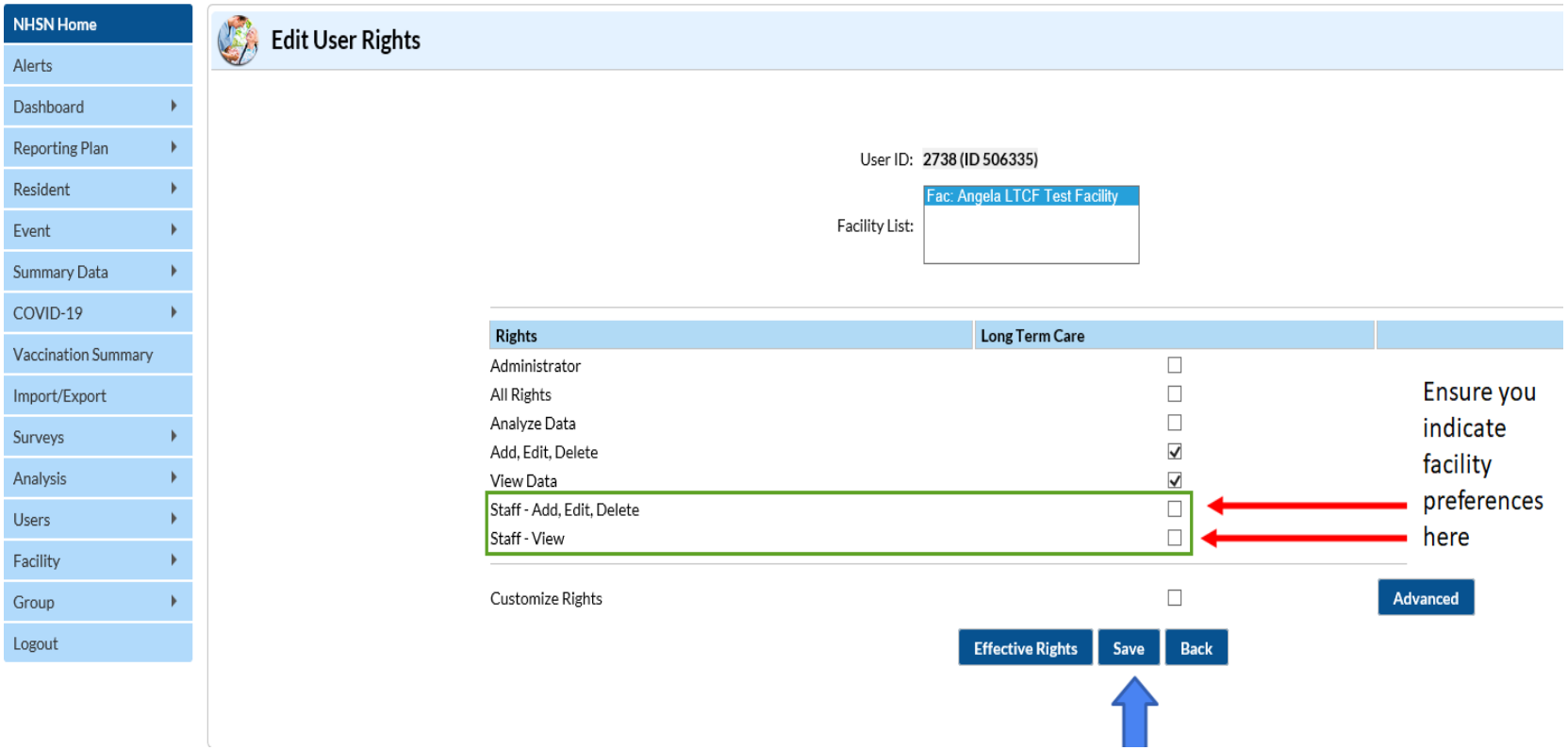
NHSN - National Healthcare Safety Network (ltcf9411-25-dz6gj:443)





Note, all names and data are fictional.


fda.gov
NHSN 9.4.11.1 Edit User
Alerts
Dashboard
Reporting Plan
Resident
Event
Summary Data
COVID-19
Vaccination Summary
Import/Export
Surveys
Analysis
Users
Facility
Group
Tools
Logout
Mandatory fields marked with *
User ID *: KJONES
Up to 32 letters and/or numbers, no spaces or special characters
Prefix:
First Name *: Katrina
Middle Name:
Last Name *: Jones
Title:
User Active: Y - Yes
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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Import/Export
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Users
Facility
Group
Logout
Edit User Rights
User ID: 2738 (ID 506335)
Facility List:
Fac: Angela LTCF Test Facility
Rights
Long Term Care
Administrator
All Rights
Analyze Data
Add, Edit, Delete
View Data
Staff - Add, Edit, Delete
Staff - View
Customize Rights
Advanced
Effective Rights
Save
Back
Ensure you indicate facility preferences here

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

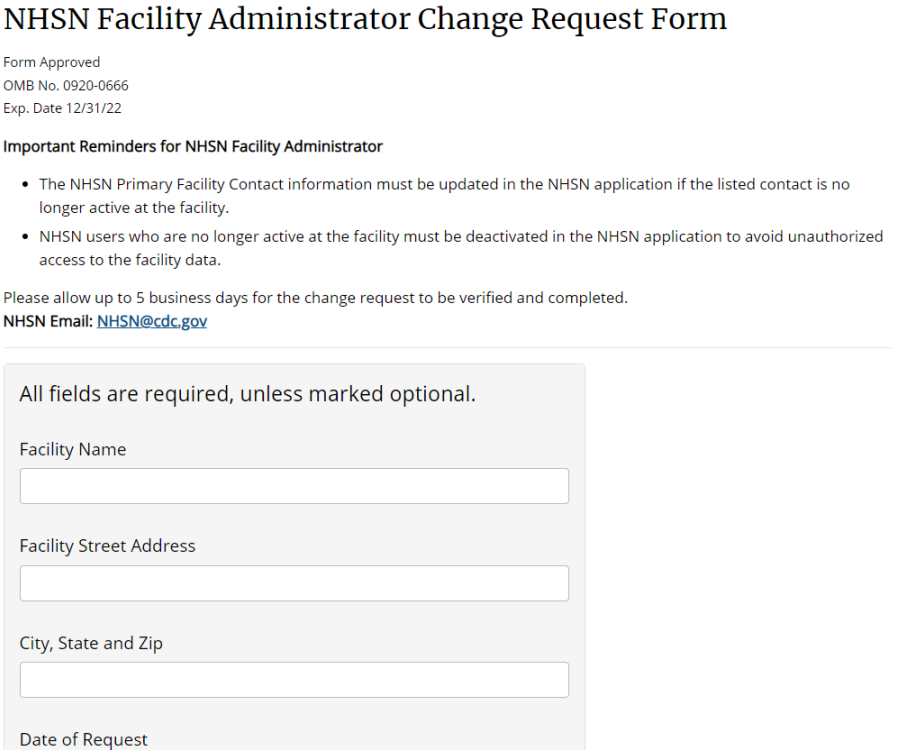
- Every POC test result recorded in NHSN → test result sent to AIMS.

- 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



NHSN Facility Administrator Change Request Form

Form Approved
OMB No. 0920-0666
Exp. Date 12/31/22

Important Reminders for NHSN Facility Administrator

- The NHSN Primary Facility Contact information must be updated in the NHSN application if the listed contact is no longer active at the facility.
- NHSN users who are no longer active at the facility must be deactivated in the NHSN application to avoid unauthorized access to the facility data.

Please allow up to 5 business days for the change request to be verified and completed.
NHSN Email: NHSN@cdc.gov

All fields are required, unless marked optional.

Facility Name

Facility Street Address

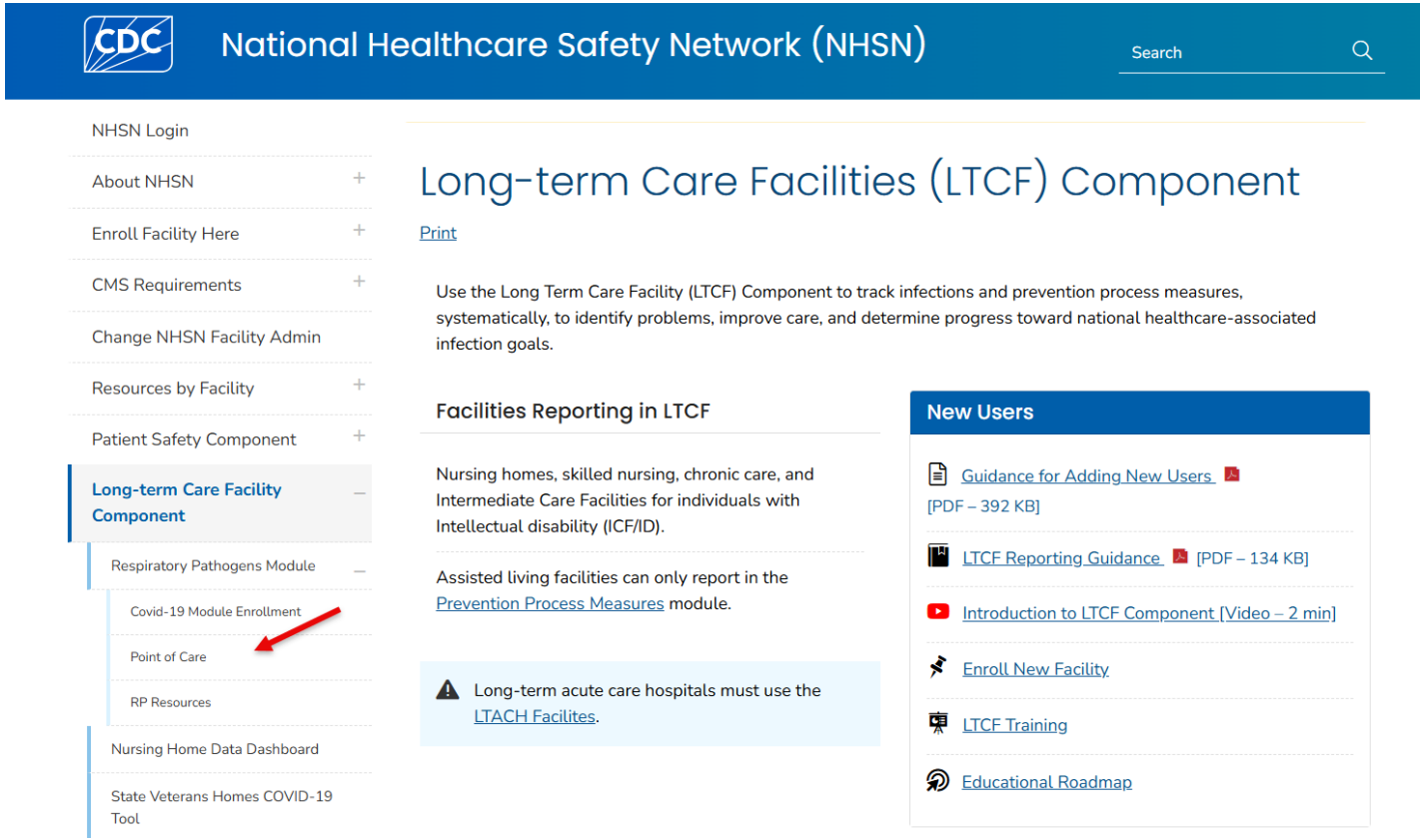
City, State and Zip

Date of Request

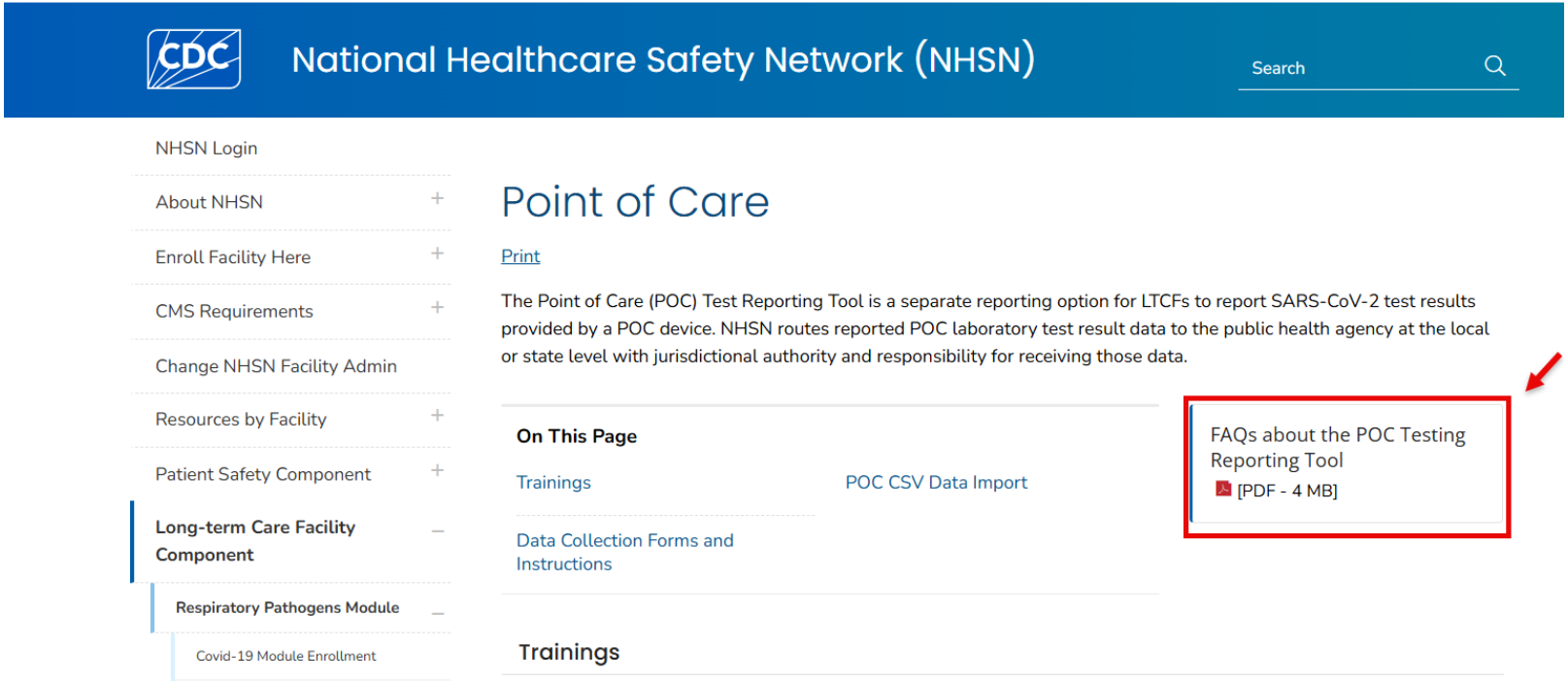
Resources

Resources

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



Resources Cont.



Summary

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- 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 **LTCF | Point of Care | NHSN | CDC**
- Please use NHSN-ServiceNow to submit questions to the NHSN Help Desk. The portal can be accessed at nhsn_csp - NHSN Customer Service or through your CDC Secure Access Management Services (SAMS) account.

For NHSN questions or concerns, contact the NHSN Helpdesk

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- If you do not have a SAMS login, or are unable to access ServiceNow, you can still email the NHSN Help Desk at nhsn@cdc.gov.

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.