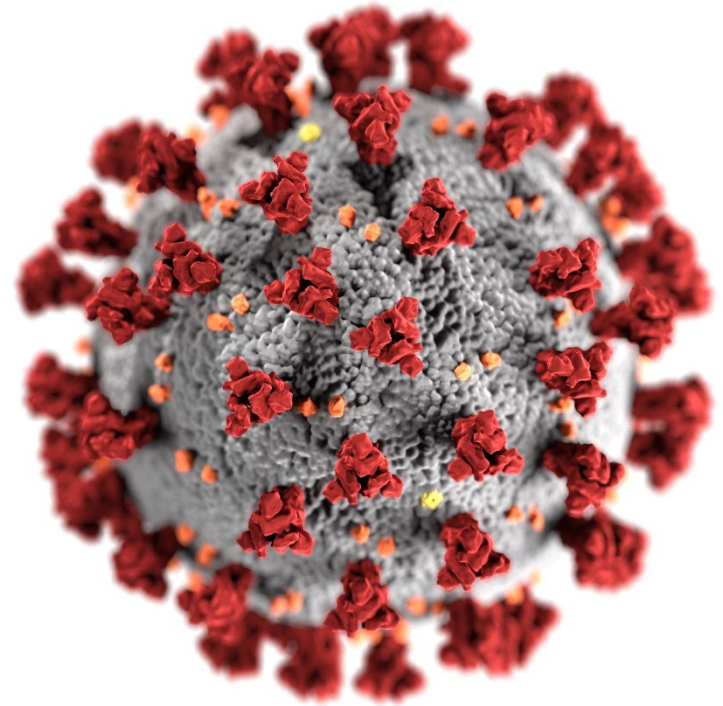


NHSN **Optional** Reporting of Influenza and RSV **Vaccinations** and **Cases** for Long-term Care Facility Residents

National Healthcare Safety Network (NHSN)
Division of Healthcare Quality Promotion
Centers for Disease Control and Prevention (CDC) COVID-19

January 2024



cdc.gov/coronavirus

Influenza and RSV Data in Action



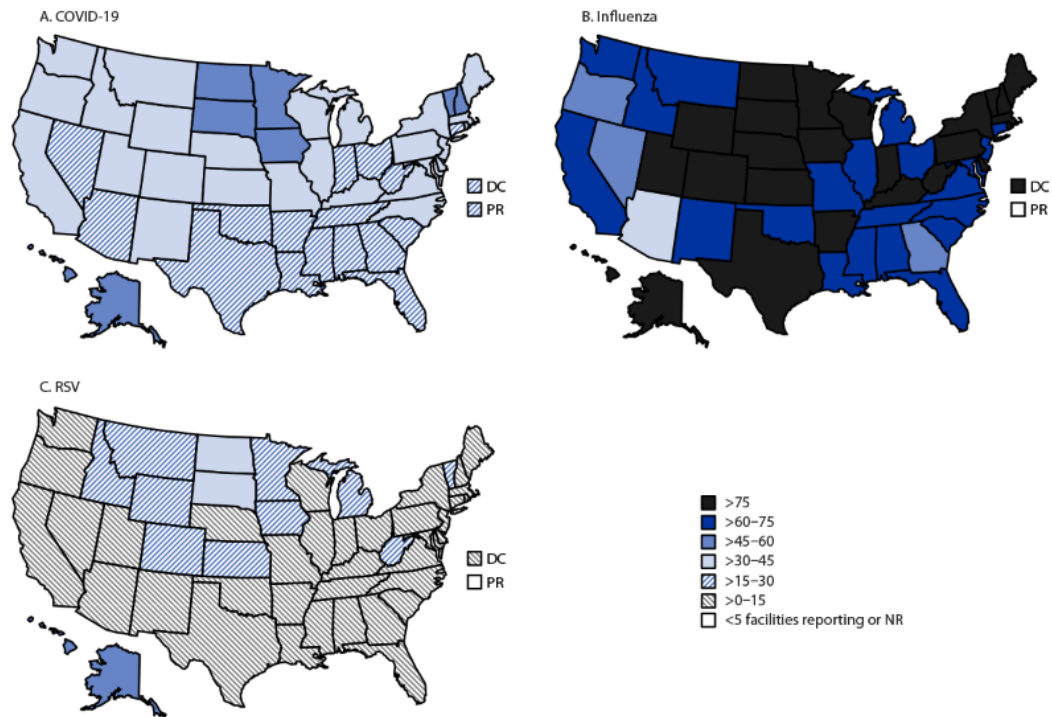
How Influenza and RSV Vaccination and Case Data Are Being Used for Public Health Action

- Allows timely tracking of influenza and RSV vaccination progress in nursing homes
- Sharing NHSN surveillance data with partners guides targeted outreach and educational efforts in nursing homes with low vaccination
- NHSN influenza/RSV vaccination data helps inform discussions about future RSV vaccination recommendations
- Aid health departments and/or providers to better understand the burden of influenza and RSV in nursing homes
- Assist local and state health departments in identifying facilities in need and performing outreach
- Helps long term care facilities identify outbreaks and better evaluate facility infection prevention and control policies



MMWR of NHSN Vaccination Data

FIGURE. Estimates* of coverage with updated (2023–2024) COVID-19 vaccination (A), influenza vaccination (B), and RSV vaccination (C) among nursing home residents, by U.S. jurisdiction — National Healthcare Safety Network, United States, December 2023[†]



Abbreviations: DC = District of Columbia; NR = not reported; PR = Puerto Rico; RSV = respiratory syncytial virus.

[Coverage with Influenza, Respiratory Syncytial Virus, and Updated COVID-19 Vaccines Among Nursing Home Residents — National Healthcare Safety Network, United States, December 2023 | MMWR \(cdc.gov\)](#)



Creating LTCF Influenza/RSV Case and Vaccine Line List

Step 1: In the NHSN Home sidebar, the user navigates to **Analysis** and clicks **Generate Data Sets**.

Step 2: In the **Generate Data Sets (Long Term Care Facility)** page, the user clicks **Generate Reporting Data Sets** under the **Reporting Data Sets** section.

Step 3: A **Warning** dialog box appears: "The current data sets will be updated. Are you sure you want to continue?". The user clicks **OK**.

Step 4: The progress indicator shows **70%** completion. An **Alert** box displays: "Reporting Data Sets successfully generated." and "Last Generated: January 11, 2024 2:34 PM to include all data". The user clicks **OK**.

Step 5: The user clicks **OK** to close the alert box.



LTCF Influenza/RSV Vaccine Line List



Analysis Reports

Expand All

Collapse All

- MDRO/CDI Module - LABID Event Reporting
- HAI Module
- Process Measures
- CMS Reports
- COVID-19/Respiratory Pathogen Module
 - Resident Impact and Facility Capacity
 - Staff and Personnel Impact
 - Supplies and Personal Protective Equipment
 - Ventilator Capacity and Supplies
 - Therapeutics
 - Influenza/RSV
 - Weekly Influenza Vaccination
 - POC Testing
 - COVID-19 Vaccination
 - Line Listing - All COVID-19 Vaccination Cumulative Summary Data - HCP
 - Line Listing - All COVID-19 Vaccination Cumulative Detail Data - HCP
 - Bar Chart - LTC HCP COVID-19 Vaccination Coverage
 - Line Listing - All COVID-19 Vaccination Cumulative Summary Data - Resident
 - Vaccination Cumulative Detail Data - Resident
 - COVID-19 Vaccination Coverage
 - Bar Chart - LTC Resident COVID-19 Vaccination Coverage

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Run Report

Modify Report

National Healthcare Safety Network

Line Listing - All COVID-19 Vaccination Cumulative Summary Data - Resident

Facility Org ID	Type of Vaccination	Week of data collection, start date	Week of data collection, end date	Number of residents staying in this facility for at least 1 day during the week of data collection	Medical contraindication Up to Date	Offered but declined Up to Date	Unknown vaccination status Up to Date	COMPLETE PRIMARY VACCINATION SERIES - Residents	PARTIAL VACCINATION - Residents	Medical contraindication	Offered but declined	Unknown vaccination status	Additional or Booster Vaccination - Residents	Only One Booster - Residents	Two or More Boosters - Residents	Vaccinations Up to Date - Residents	Percentage of persons who have received a completed vaccination course against SARS-CoV-2	Percentage of persons who have received a partial vaccination against SARS-CoV2 (NOTE: this measure would exclude vaccines that require only a single dose)	Percentage of all individuals with complete primary vaccine series who have received an additional primary or booster dose of COVID-19 vaccine	Influenza vaccination Up to Date	RSV vaccination Up to Date
83113	COVID19	10/30/2023	11/05/2023	5	2	1	0	-	-	-	-	-	-	-	-	2	-	-	-	4	3
83113	COVID19	11/06/2023	11/12/2023	1	0	0	1	-	-	-	-	-	-	-	-	0	-	-	-	1	1
83113	COVID19	11/13/2023	11/19/2023	1	0	0	1	-	-	-	-	-	-	-	-	0	-	-	-	1	1
83113	COVID19	11/20/2023	11/26/2023	4	0	0	4	-	-	-	-	-	-	-	-	0	-	-	-	3	2
83113	COVID19	11/27/2023	12/03/2023	5	1	1	1	-	-	-	-	-	-	-	-	2	-	-	-	3	1
83113	COVID19	12/04/2023	12/10/2023	4	0	0	4	-	-	-	-	-	-	-	-	0	-	-	-	3	1

LTCF Influenza/RSV Cases Line List

The screenshot shows the 'Analysis Reports' interface. The navigation tree includes: MDRO/CDI Module - LABID Event Reporting, HAI Module, Process Measures, CMS Reports, COVID-19/Respiratory Pathogen Module (highlighted with a red box), Resident Impact and Facility Capacity, Staff and Personnel Impact, Supplies and Personal Protective Equipment, Ventilator Capacity and Supplies, Therapeutics, Influenza/RSV, and Advanced. Under 'Influenza/RSV', the 'Line Listing - Influenza/RSV' report is selected, and a context menu is open with 'Run Report' (highlighted with a red box and a mouse cursor), 'Modify Report', and 'Export Data Set'. A blue circle with the number '6' is next to the 'Line Listing - Influenza/RSV' item.

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Facility Org ID	Date of data collection	Census ID	Positive tests: Number of residents newly positive for influenza	Positive tests: Number of residents newly positive for rsv	Up to Date: Include residents who are up to date with influenza vaccines.	Up to Date: Include residents who are up to date with rsv vaccines.	Not Up To Date: Include residents not up to date with influenza vaccines.	Not Up To Date: Include residents not up to date with rsv vaccines.	HOSPITALIZATIONS: Number of residents with a positive influenza test.	HOSPITALIZATIONS: Number of residents with a positive rsv test.	HOSPITALIZATIONS: Number of residents with a positive influenza test and up to date.	HOSPITALIZATIONS: Number of residents with a positive rsv test and up to date.
30074	10/23/2023	24195991	0	0	0	0	0	0	0	0	0	0
30074	12/29/2023	24894988	0	0	0	0	0	0	0	0	0	0
30074	12/29/2023	24894990	0	0	0	0	0	0	0	0	0	0
30074	01/01/2024	24894959	2	0	2	0	0	1	4	0	1	0
30074	01/02/2024	24894980	0	0	0	0	0	0	0	0	0	0
30074	01/03/2024	24894987	9	4	7	3	2	1	5	6	0	6

Vaccination Reporting for LTCF Residents



Influenza and RSV Vaccine Form

- Influenza/RSV **Total Number of Residents** (Question 1) is auto-populated from COVID-19 Residents tab
- 4 data fields for influenza/RSV vaccinations
 - Number of up to date
 - Number of medical contraindications
 - Number offered but declined
 - Number other/unknown
- The 4 data fields need to add up to the number reported in Total Residents (Question 1)

Edit Vaccine Data

COVID-19 Vaccine: HCP COVID-19 Vaccine: Residents **Influenza/RSV: Residents (Optional)** **New Optional Tab**

Resident Flu/RSV Cumulative Vaccination Summary for Long-Term Care Facilities

Date Created: _____
* Facility ID: _____ * Vaccination type: Respiratory Facility CCN #: _____
* Week of Data Collection: 10/09/2023 - 10/15/2023 * Date Last Modified: _____

Cumulative Vaccination Coverage
Optional Reporting: These data are NOT required.

Total Residents	1 * Number of residents staying in this facility for at least 1 day during the week of data collection	100
	2 * Number of residents in question #1 who are up to date with Influenza vaccination for current season	90
Influenza Vaccination	Among those not in Question #2, reason not up to date:	
	2.1 * Medical contraindication to influenza vaccine	2
	2.2 * Offered but declined influenza vaccine	8
	2.3 * Other/unknown influenza vaccination status	0
	3 * Number of residents in question #1 who are up to date with RSV vaccination	
RSV Vaccination	Among those not in Question #3, reason not up to date:	
	3.1 * Medical contraindication to RSV vaccine	
	3.2 * Offered but declined RSV vaccine	
	3.3 * Other/unknown RSV vaccination status	

Clinically significant adverse events should be reported to the Vaccine Adverse Event Reporting System (VAERS) at <https://vaers.hhs.gov/reportevent.html>. To help identify reports from NHSN sites, please enter your NHSN orgID in Box 26 of the VAERS form.

Clinically significant adverse events include vaccine administration errors and serious adverse events (such as death, life-threatening conditions, or inpatient hospitalization) that occur after vaccination, even if it is not certain that vaccination caused the event.

Other clinically significant adverse events may be described in the provider emergency use authorization (EUA) fact sheets or prescribing information for the COVID-19 vaccine(s). Healthcare providers should comply with VAERS reporting requirements described in EUAs or prescribing information.

By saving these data in NHSN, facilities are agreeing to the following:
1) The data reported are consistent with definitions outlined in NHSN surveillance protocols (including tables of instructions and frequently asked questions).
2) The data will be sent to the Centers for Medicare and Medicaid Services (CMS) to fulfill CMS quality reporting requirements (when applicable).

Save Cancel



NOTE: Modifying Previously Entered Data

- An alert will appear if you modify the total number of residents for question 1 on the COVID-19 vaccine form for a previous week
- We changed a previous week from 100 residents to 80 residents
- Click OK, and then navigate to the Influenza/RSV tab

COVID-19 Vaccine: HCP COVID-19 Vaccine: Residents Influenza/RSV: Residents (Optional)

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

Date Created: 01/17/2024 9:15AM
*Facility ID: 39455 *Vaccination type: COVID19 Facility CCN #: 999860
*Week of Data Collection: 01/01/2024 - 01/07/2024 *Date Last Modified: 01/17/2024 9:15AM

Cumulative Vaccination Coverage

Note: Facilities submit Weekly COVID-19 Vaccination Cumulative Vaccination Coverage forms. As of March 28th, 2022 facilities also have the option to use the Person-Level COVID-19 Vaccination Form. Using the person-level forms is recommended to ensure that individuals who are up to date are appropriately according to their vaccination dates.

Alert

You have modified an existing value for number of residents, this also impacts the Influenza/RSV vaccination form. Please review and resubmit the Influenza/RSV form.

OK Cancel

1. * Number of residents staying in this facility for at least 7 consecutive days	80
2. * Cumulative number of residents in Question #1 who are up to date	40
3. * Cumulative number of residents in Question #1 who are not up to date	
3.1 * Medical contraindication to COVID-19 vaccine	0
3.2 * Offered but declined COVID-19 vaccine	10
3.3 * Unknown/Other COVID-19 vaccination status	50

If you change data from a previously entered week for COVID-19 Vaccine Residents

LTCF COVID-19/Respiratory Pathogens Module: Influenza and RSV Case Reporting

Reporting Newly Positive Resident Cases for Influenza and RSV



NHSN Application Updates: Influenza and RSV Case Reporting

Influenza/RSV Tab

- Newly added tab for **OPTIONAL** reporting of influenza and RSV cases
- New Tab located within Surveillance Pathways
 1. COVID-19/Respiratory Pathogens
 2. Pathway Data Reporting
 3. Date on calendar
 4. Influenza/RSV tab

The screenshot displays the NHSN Long Term Care application interface. On the left is a navigation menu with the following items: NHSN Home, Alerts, Dashboard, Reporting Plan, Resident, Event, Summary Data, COVID-19/Respiratory Pathogens (highlighted with a red box and a purple circle with the number 1), Vaccination Summary, Import/Export, Surveys, Analysis, Users, and Facility. On the right is the main content area titled 'NHSN Long Term Care' with sub-sections: Long Term Care Dashboard and Action Items. Below these is a 'Dashboard' section containing: Pathway Data Reporting (highlighted with a red box and a purple circle with the number 2), POC Test Result Reporting, COVID-19 Event, COVID-19 Vaccination - HCP, and Vaccination - Residents. Below the dashboard is a calendar for the period 01 October 2023 - 11 November 2023, with a legend for 'Record Complete' (dark green) and 'Record Incomplete' (light yellow). A red arrow points to the date 09 (Monday) on the calendar, which is circled with a purple circle and the number 3. At the bottom is a form titled 'Add COVID-19/Respiratory Pathogens Data' with fields for 'Date for which counts are reported:', 'Facility CCN:', and 'Facility Type:'. Under the 'Facility Type:' field, there are three tabs: 'Resident Impact and Facility Capacity', 'Staff and Personnel Impact', and 'Influenza/RSV (Optional)' (highlighted with a red box and a purple circle with the number 4).



Date for which counts are reported: 01/03/2024

Facility CCN:

Facility Type: LTC-SVHSNF

Resident Impact and Facility Capacity

Staff and Personnel Impact

Influenza/RSV (Optional)

INFLUENZA

If the count is zero, a "0" must be entered as the response. A blank response is equivalent to missing data.

Resident Impact for Influenza

* **POSITIVE TESTS:** Enter the Number of residents with a newly positive Influenza test result.

Only include residents newly positive since the most recent date data were collected for NHSN reporting.

Vaccination Status of Residents with a Newly Confirmed Influenza Test Result

**Up to Date Vaccination Status

Up to Date: Include residents with a newly positive Influenza viral test result who are up to date with Influenza (flu) vaccines for the current flu season (2023-2024) 14 days or more before the specimen collection date.**Not up to Date:** Based on the counts entered for POSITIVE TESTS and UP TO DATE, the count for residents who are NOT considered up to date for the current flu season has been calculated here.

This count is not editable, to edit please update the count(s) entered for UP TO DATE and/or POSITIVE TESTS.

Hospitalizations

This is not a subset of the Influenza "Positive Tests" count reported above. Include only the number of new hospitalizations in residents with a positive influenza test since the most recent date data were reported to NHSN.

* **Hospitalizations with a positive Influenza Test:** Number of residents who have been hospitalized with a positive Influenza test.**Note:** Only include residents who have been hospitalized during this reporting period and had a positive Influenza test in the 10 days prior to the hospitalization, date of specimen collection is calendar day 1.* **Hospitalizations with a positive Influenza Test and Up to Date:** Based on the number reported for "Hospitalizations with a positive Influenza Test" indicate the number of residents who were hospitalized with positive Influenza test and also up to date with Influenza vaccine at the time of the positive Influenza test.

RSV

If the count is zero, a "0" must be entered as the response. A blank response is equivalent to missing data.

Resident Impact for RSV

* **POSITIVE TESTS:** Enter the Number of residents with a newly positive RSV (Respiratory syncytial virus) viral test result.

Only include residents newly positive since the most recent date data were collected for NHSN reporting.

Vaccination Status of Residents with a Newly Confirmed RSV Test Result

**Up to Date Vaccination Status

Up to Date: Include residents with a newly positive RSV viral test result who are up to date with RSV vaccines for the current season (2023-2024) 14 days or more before the specimen collection date.**Not up to Date:** Based on the counts entered for POSITIVE TESTS and UP TO DATE, the count for residents who are NOT considered up to date for the current season has been calculated here.

This count is not editable, to edit please update the count(s) entered for UP TO DATE and/or POSITIVE TESTS.

Hospitalizations

This is not a subset of the RSV "Positive Tests" count reported above. Include only the number of new hospitalizations in residents with a positive RSV test since the most recent date data were reported to NHSN.

* **Hospitalizations with a positive RSV Test:** Number of residents who have been hospitalized with a positive RSV test.**Note:** Only include residents who have been hospitalized during this reporting period and had a positive RSV test in the 10 days prior to the hospitalization, date of specimen collection is calendar day 1.* **Hospitalizations with a positive RSV Test and Up to Date:** Based on the number reported for "Hospitalizations with a positive RSV Test" indicate the number of residents who were hospitalized with positive RSV test and also up to date with RSV vaccine at the time of the positive RSV test.

Questions or Need Help?

Please use **NHSN-ServiceNow** to submit questions to the NHSN Help Desk. Locate the portal website here: [nhsn csp - NHSN Customer Service \(cdc.gov\)](https://nhsn.csp - NHSN Customer Service (cdc.gov).). ServiceNow should be used instead of nhsn@cdc.gov, nhsntrain@cdc.gov, and nhsndua@cdc.gov.

Users will be authenticated using CDC's Secure Access Management Services (SAMS), the same way you access NHSN. 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, please contact Centers for Disease Control and Prevention
1600 Clifton Road NE, Atlanta, GA 30333
Telephone, 1-800-CDC-INFO (232-4636) / TTY: 1-888-232-6348
E-mail: cdcinfo@cdc.gov Web: 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.

