Up to Date Vaccination Status: Surveillance Definition Change

COVID-19 Vaccination Modules & Resident Impact and Facility Capacity (RIFC) Surveillance Reporting Pathway

Division of Healthcare Quality Promotion
Centers for Disease Control and Prevention (CDC)
June 2022
CMS Reporting Requirements

- Reminder: Facilities can contact CMS with questions about requirements and quality reporting:
  - Inpatient quality reporting program (hospitals): iqr@hsag.com
  - PPS-exempt cancer hospital quality reporting program: QRFormsSubmission@hsag.com
  - Inpatient psychiatric facility quality reporting program: IPFQualityReporting@hsag.com
  - Inpatient rehabilitation facility quality reporting program: questions@cms.hhs.gov
  - Long-term acute care quality reporting program: LTCHQualityQuestions@cms.hhs.gov
  - Long-term care facilities: SNFQualityQuestions@cms.hhs.gov
  - Ambulatory Surgery Centers:
    - https://cmsqualitysupport.servicenowservices.com/qnet_qa?id=ask_a_question
  - Dialysis facilities:
    - https://cmsqualitysupport.servicenowservices.com/qnet_qa?id=ask_a_question
Objectives

- Review Up to Date definition change
  - New definition applies to weeks beginning June 27, 2022
- Review example scenarios
- Discuss frequently asked questions

Note: These slides will be posted to the NHSN COVID-19 Vaccination website
Up to Date Vaccination
New Definition as of June 27th, 2022
Weekly COVID-19 Vaccination Forms

- Question 5: Cumulative number of individuals in question #2 who are up to date with COVID-19 vaccines.

<table>
<thead>
<tr>
<th>All Core HCPa</th>
<th>All HCPb</th>
<th>Employees (staff on facility payroll)c</th>
<th>Licensed independent practitioners: Physicians, advanced practice nurses, &amp; physician assistantsd</th>
<th>Adult students/trainees and volunteerse</th>
<th>Other contract personnelf</th>
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</thead>
<tbody>
<tr>
<td>0</td>
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Question 5 asks about individuals who are up to date. Please review the current definition of up to date.

5. *Cumulative* number of HCP in Question #2 who are up to date with COVID-19 vaccines
COVID-19 Surveillance Pathway: RIFC

The Resident Impact and Facility Capacity Pathway can be found under “Pathway Data Reporting”

- *Up to Date* data element

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**Up to Date Vaccination Status**

Up to Date: Include residents who are up to date with COVID-19 vaccines 14 days or more before the specimen collection date.

Note: Please review the current definition of up to date: [https://www.cdc.gov/nhsn/pdfs/hps/covidvax/UpToDateGuidance-May2022-508.pdf](https://www.cdc.gov/nhsn/pdfs/hps/covidvax/UpToDateGuidance-May2022-508.pdf)
Changes in Reporting Definitions

- Definition of up to date for NHSN surveillance may change over time!
- Facilities should use the definitions outlined in the following document for each quarter:

- Reporting periods for COVID-19 vaccination data
  - Quarter 3 of 2022 (June 27, 2022 – September 2, 2022)
Facilities should report data according the surveillance definition that is in use as of the first day for a quarter

- CDC originally defined Up to Date vaccination in April 2022
  - Facilities should use the April definition to report data for Quarter 2 of 2022 (May 30, 2022 – June 26, 2022)

- CDC modified the definition of Up to Date vaccination in June 2022
  - Facilities should use the definition modified in June to report data for Quarter 3 of 2022 (June 27, 2022 – September 2, 2022)
Review of Key Terms
Key Terms

- **Primary vaccine series**
  - Completing a primary vaccine series means receiving:
    - A 2-dose series of an mRNA COVID-19 vaccine (Pfizer-BioNTech and Moderna), OR
    - A single dose of Janssen COVID-19 vaccine
Key Terms (cont.)

- **Booster dose**
  - A booster dose is another dose of vaccine administered after receiving a primary vaccine series to enhance or restore protection which might have subsided over time.

- **Additional dose**
  - An additional dose is another dose of vaccine administered to people who were less likely to mount a protective immune response after initial vaccination. People who are moderately or severely immunocompromised should receive an additional dose.
Differentiating between boosters and additional doses

- An individual receives one or two doses of COVID-19 vaccine after they completed their primary series
  - Count as **boosters**: If no further details are provided, count these doses as boosters (rather than additional doses) for NHSN surveillance
  - Count as **additional doses**: Only if there is specific documentation indicating additional doses were administered due to the individual having a moderately to severely immunocompromising condition
New Definition: Up to Date with COVID-19 Vaccines

*Changes for Quarter 3 2022 (beginning June 27, 2022) are highlighted in yellow*

<table>
<thead>
<tr>
<th>If Under 50 Years:</th>
<th>If 50 Years and Older:</th>
</tr>
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<tbody>
<tr>
<td>Received at least <strong>one booster dose</strong></td>
<td><strong>Received second booster dose</strong> (or received <strong>first booster dose less than 4 months ago</strong> and not yet eligible for a second booster dose)</td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>or</strong></td>
</tr>
<tr>
<td><strong>Recently received all recommended doses in the primary vaccine series but is not yet eligible for a booster dose.</strong></td>
<td><strong>Recently received all recommended doses in the primary vaccine series but is not yet eligible for a booster dose.</strong></td>
</tr>
<tr>
<td>This includes:</td>
<td>This includes:</td>
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<tr>
<td>a. Those who completed their 2-dose primary series of an mRNA COVID-19 vaccine (Pfizer-BioNTech or Moderna) <strong>less than 5 months ago.</strong></td>
<td>a. Those who completed their 2-dose primary series of an mRNA COVID-19 vaccine (Pfizer-BioNTech or Moderna) <strong>less than 5 months ago.</strong></td>
</tr>
<tr>
<td>b. Those who received a single dose of Janssen <strong>less than two months ago.</strong></td>
<td>b. Those who received a single dose of Janssen <strong>less than two months ago.</strong></td>
</tr>
</tbody>
</table>

*Individuals with a moderately to severely immunocompromising condition are considered up to date in the following cases:*
1) Received an additional dose less than three months ago, if primary series was the Moderna or Pfizer-BioNTech COVID-19 vaccine; or
2) Received an additional dose less than two months ago, if primary series was the Janssen COVID-19 vaccine; or
3) Received an additional dose and one booster dose **less than four months ago; or**
4) **Received a second booster dose.**
Examples

Note: Examples apply the new Up to Date definition (beginning June 27th, 2022)
Example of How to Report: Up to Date

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 primary series COVID-19 vaccine(s) at this facility or elsewhere since December 2020:
   - 2.1 Only 1 dose of a two-dose Primary COVID-19 vaccine series
   - 2.2 Any completed Primary 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

4. **Cumulative number** of residents with complete primary series vaccine in Question #2 who have received any booster(s) or additional dose(s) of COVID-19 vaccine since August 2021:
   - 4.1 Cumulative number of residents in Question #4 who have received only one booster dose of COVID-19 vaccine since August 2021
   - 4.2 Cumulative number of residents in Question #4 who received two or more booster doses of COVID-19 vaccine, and the most recent dose was received since March 29, 2022

5. **Cumulative number** of residents in question #2 who are up to date with COVID-19 vaccines

Question 5 asks about individuals who are **up to date**, Please review the current definition of **up to date**.
Example #1

- Bill is **65 years old**. He received 2 doses of the Moderna COVID-19 vaccine for his primary vaccine series. He later received **two booster doses** of the Moderna COVID-19 vaccine; second booster dose was 5 months ago. Is Bill considered up to date?

  - Yes, Bill is up to date with COVID-19 vaccines because he received two booster doses.
Example #2 of Up to Date Vaccination: RIFC Pathway

- Bill is a resident of DHQP Nursing Home, he is 65 years old and tested positive on June 23, 2022. He received 2 doses of the Moderna COVID-19 vaccine for his primary vaccine series. He later received two booster doses of the Moderna COVID-19 vaccine; second booster dose was received 5 months ago.

- Is Bill included in the Up to Date count?

  - Yes, Bill would be included since the most recent dose (i.e., the second booster dose) was received 14 days or more before the specimen collection of the newly positive SARS-CoV-2 viral test result.
Example #3

- Ann is 20 years old. She received 2 doses of the Moderna COVID-19 vaccine; last dose was 7 months ago. She has not received any booster doses. Is Ann considered up to date?

No, Ann is not up to date with COVID-19 vaccines because she has not received a booster dose, even though she is eligible for it.

Note: because Ann is under 50 years old, she only needs to receive 1 booster dose in order to be considered up to date.
Example #4

- Mary is **35 years old**.
  - Mary received **2 primary series doses** of the Moderna COVID-19 vaccine.
  - Mary received **one booster dose** of the Moderna COVID-19 vaccine 2 months ago.

- Is Mary considered up-to-date?
  - Yes, Mary is up to date with COVID-19 vaccines because she is less than 50 years old and received a booster dose.

- Mary would be included in:
  - Question 2.2, "Any **completed primary COVID-19 vaccine series**"
  - Question 4, “Individuals with complete primary series vaccine in Question 2 who have received **any booster(s) or additional dose(s)** of COVID-19 vaccine”
  - Question 4.1, “Residents in Question #4 who have received **only one booster dose** of COVID-19 vaccine” [Resident form only]
  - Question 5, “Individuals in question #2 who are **up to date** with COVID-19 vaccines"
Example #5: Reporting in the RIFC Pathway

- Mary is 35 years old.
  - Mary is a resident of DHQP Nursing Home
  - Mary tested positive for SARS-CoV-2 on 6/22/22
  - Mary received 2 primary series doses of the Moderna COVID-19 vaccine.
  - Mary received one booster dose of the Moderna COVID-19 vaccine 2 months ago.

- Is Mary considered up to date?
  - Yes, Mary is up to date with COVID-19 vaccines because she is less than 50 years old and received a booster dose.

- Mary would be included in the following counts:
  - Positive Tests
  - Completed Primary Vaccination Series
  - Additional or Booster Vaccination
  - One Booster
  - Up to Date
Example #6: Reporting in the RIFC Pathway

- Tom is 60 years old.
  - Tom had a positive SARS-CoV-2 viral test result on 6/21/22
  - Tom received 2 doses of the Pfizer COVID-19 vaccine.
  - Tom received one booster dose of the Moderna COVID-19 vaccine 4.5 months ago.

- Is Tom considered up to date?
  - No, Tom is not up to date with COVID-19 vaccines because he is 60 years old (i.e., greater than 50) and received only one booster dose 4.5 months ago.
  - Since it has been more than 4 months since his booster dose, Tom is now eligible for a second booster dose but has not yet received it.

- Tom would be included in:
  - Positive Tests
  - Complete Primary Vaccination Series
  - Additional or Booster Dose
  - One Booster
Example #7

- Jackie is **78 years old**.
  - Jackie received **2 doses of the Moderna COVID-19 vaccine**.
  - Jackie received **two booster doses** of the Moderna COVID-19 vaccine.

- Is Jackie considered up-to-date?
  - Yes, Jackie is up to date with COVID-19 vaccines because she received two booster doses.

- Jackie would be included in:
  - Question 2.2, “Any **completed primary COVID-19 vaccine series**”
  - Question 4, “Individuals with complete primary series vaccine in Question 2 who have received **any booster(s) or additional dose(s)** of COVID-19 vaccine”
  - Question 4.2, “Residents in Question #4 who received **two or more booster doses**”
  - Question 5, “Residents in question #2 who are **up to date** with COVID-19 vaccines"
Example #8

- John is **23 years old**.
  - John received **2 doses of the Moderna** COVID-19 vaccine.
  - John’s last dose was **7 months ago**.

- Is John considered up-to-date?
  - No, John is not up to date with COVID-19 vaccines because he has not received a booster dose even though he is eligible for it.
  - It has been over 5 months since John received his second dose of the Moderna COVID-19 vaccine. Therefore, John is eligible for a booster dose. He has not yet received a booster dose, so he is not up to date.

- John would be included in:
  - Question 2.2, “Any completed primary COVID-19 vaccine series”
Example #9

- Frank is **70 years old**.
  - Frank received **2 doses of the Pfizer-BioNTech COVID-19 vaccine**; last dose was **3 months ago**.

- Is Frank considered up to date?
  - Yes, Frank is up to date with COVID-19 vaccines.
  - It has been three months since Frank received his second dose of the Pfizer-BioNTech COVID-19 vaccine. Therefore, Frank is not yet eligible for a booster dose at this time (but will be eligible once it has been 5 months since his last dose).

- Frank would be included in:
  - Question 2.2, “Any completed primary COVID-19 vaccine series”
  - Question 5, “Individuals in question #2 who are **up to date** with COVID-19 vaccines"
Example #10

- Jane is **19 years old**.
  - Jane only received the **first dose of the Pfizer-BioNTech** COVID-19 vaccine.

- Is Jane considered up to date?
  - No, Jane is not up to date with COVID-19 vaccines because she did not receive all recommended doses in the primary vaccine series.

- Jane would be included in:
  - Question 2.1, “**Only 1 dose of a two-dose Primary COVID-19 vaccine series**”
Example #11

- Alice received 2 doses of the Moderna COVID-19 vaccine.
  - Alice received an additional dose one month ago due to having a moderately immunocompromising condition.
  - Alice did not receive any booster doses.

- Is Alice considered up to date?
  - Yes, Alice is up to date with COVID-19 vaccines because she received an additional dose one month ago (i.e., less than three months ago). Therefore, Alice is not yet eligible for a booster dose at this time (but will be eligible once it has been 3 months since her additional dose).

- Alice would be included in:
  - Question 2.2, “Any completed primary COVID-19 vaccine series”
  - Question 4, “Individuals with complete primary series vaccine in Question 2 who have received any booster(s) or additional dose(s) of COVID-19 vaccine”
  - Question 5, “Individuals in question #2 who are up to date with COVID-19 vaccines"
Frequently Asked Questions
Question #1

- How do I categorize a resident who received a complete primary COVID-19 vaccine series of Moderna, with the most recent dose received 4 months ago?

  - This person would be included in:
    - Question 2.2, “Any completed primary COVID-19 vaccine series”
    - Question 5, “Cumulative number of residents in question #2 who are up to date with COVID-19 vaccines"
Question #2

- How do I categorize an individual who received a complete primary COVID-19 vaccine series of Pfizer 5 months ago, and no booster doses?

  - This person would be included in:
    - Question 2.2, “Any completed primary COVID-19 vaccine series”

This person is not up to date because they completed their primary series exactly 5 months ago, so they are now eligible for a booster dose.
How do I categorize a resident who is 75 years old and received a complete primary COVID-19 vaccine series and one booster dose 6 months ago?

This person would be included in:

- Question 2.2, “Any completed primary COVID-19 vaccine series”
- Question 4, “Residents with complete primary series vaccine in Question 2 who have received any booster(s) or additional dose(s) of COVID-19 vaccine”
- Question 4.1, “Residents in Question 4 who have received only one booster dose of COVID-19 vaccine”

This resident is NOT up to date because they are 75 years old and only received 1 booster dose over 4 months ago. They need a 2nd booster dose to be up to date.
Question #4

- How do I categorize a resident who received a completed primary COVID-19 vaccine series and **two booster doses** (most recent April 2022)?
  - This person would be included in:
    - Question 2.2, “Any **completed primary COVID-19 vaccine series**”
    - Question 4, “Residents with complete primary series vaccine in Question 2 who have received **any booster(s) or additional dose(s)** of COVID-19 vaccine”
    - Question 4.2, “Residents in Question 4 who received **two or more booster doses** of COVID-19 vaccine, and the most recent dose was received since March 29, 2022.”
    - Question 5, “Residents in question 2 who are **up to date** with COVID-19 vaccines.”
Question #4: RIFC Pathway

How do I categorize a resident who received a completed primary COVID-19 vaccine series and two booster doses (most recent April 2022) and tested positive on 6/23/22?

- This person would be included in:
  - Positive Tests
  - Complete Primary Vaccination Series
  - Additional or Booster Vaccination
  - Two or More Boosters
  - Up-to-Date
Question #5

- How do I categorize someone who received a completed primary COVID-19 vaccine series of Moderna, and one additional dose 1 month ago due to having a moderately to severely immunocompromising condition, and no booster doses?

  - This person would be included in:
    - Question 2.2, “Any completed primary COVID-19 vaccine series”
    - Question 4, “Individuals with complete primary series vaccine in Question 2 who have received any booster(s) or additional dose(s) of COVID-19 vaccine”
    - Question 5, “Cumulative number of residents in question 2 who are up to date with COVID-19 vaccines.”
Question #6

- How do I categorize someone who received a completed primary COVID-19 vaccine series, and one additional dose due to having a moderately to severely immunocompromising condition, and one booster dose three months ago?
  - This person would be included in:
    - Question 2.2, “Any completed primary COVID-19 vaccine series”
    - Question 4, “Residents with complete primary series vaccine in Question 2 who have received any booster(s) or additional dose(s) of COVID-19 vaccine”
      - Residents only: Question 4.1, “Residents in Question 4 who have received only one booster dose of COVID-19 vaccine since August 2021.”
    - Question 5, “Residents in question 2 who are up to date with COVID-19 vaccines.”
Person-Level/ Event-Level Vaccination Tool

▪ What are Person-Level/ Event-Level COVID-19 vaccination forms?

– The Person-Level COVID-19 Vaccination Forms are **OPTIONAL** tools that can be used to report data to the Long-Term Care weekly Healthcare personnel and Resident vaccination modules

– Available in NHSN application; SAMS Level 3 access required (to request please contact NHSN@cdc.gov and place in the subject line: SAMS Level 3 Access)

– These are the new and improved versions of the Excel Data Tracking Worksheets (now retired for Long-Term Care)
Person-Level/ Event-Level Vaccination Tool - continued

Data on individual residents and HCP are entered line by line in the optional Person-Level COVID-19 Vaccination tool, and the application calculates and enters the weekly totals for you and **calculates who is up to date based on vaccination dates** – **this is a major benefit of using this tool and can significantly simplify reporting!**

- The logic for the new up to date definition has been added to the event-level tool and will be applied to all weeks beginning June 27th
  - Note: This requires entering **Date of Birth** for all individuals in the facility as of June 27th. This is because age is part of the new definition.
- You must select the “View Reporting Summary & Submit” button and select the reporting week, review the totals, and click save and submit to submit data to the weekly vaccination form
- Expansion to other modules coming in future months
Resources: Person-Level / Event-Level COVID-19 Vaccination Forms

Resources: [https://www.cdc.gov/nhsn/ltc/weekly-covid-vac/index.html](https://www.cdc.gov/nhsn/ltc/weekly-covid-vac/index.html)

- **Event-Level COVID-19 Vaccination Form Quick Reference Guide** – April 2022
- NHSN Event-Level Vaccination Forms: Office Hours and FAQs – April 2022: [Youtube; Slideset](#)
- CSV materials:
  - [.CSV templates for Event Level COVID-19 Vaccination Forms for LTCF Residents and HCP [PDF – 171 KB]](#) – May 2022
  - [.CSV File Template for LTCF HCP [XLS – 480 B]](#) – May 2022
  - [Example .CSV File for LTCF HCP [XLS – 1 KB]](#) – May 2022
  - [.CSV File Template for LTCF Residents [XLS – 470 B]](#) – May 2022
  - [Example .CSV File for LTCF Residents [XLS – 1 KB]](#) – May 2022

New June 2022 Person-Level CSV files that include Date of Birth are being posted to the website
Resources
Resource: The NHSN Website

- Weekly HCP & Resident COVID-19 Vaccination | LTCF | NHSN | CDC
- Weekly HCP COVID-19 Vaccination | HPS | NHSN | CDC
- Weekly Patient COVID-19 Vaccination | Dialysis | NHSN | CDC
  - Training Slides
  - Quick Reference Guides
  - FAQs
  - Data Collection Forms
  - .CSV files
  - Event/Person – Level Forms
  - Understanding Key Terms and Up to Date Vaccination
Questions or Need Help?

E-mail user support at: nhsn@cdc.gov

Please write ‘Weekly COVID-19 Vaccination’ in the subject line of the e-mail along with your facility type.

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.