



# COVID-19 Hospital Data Reporting Guidance

## Reporting Updates to CDC's National Healthcare Safety Network Post-COVID-19 Public Health Emergency

CDC Division of Healthcare Quality Promotion (DHQP)

HHS Administration for Strategic Preparedness and Response (ASPR)

June 2023

# Webinar Summary

- Overview of Reporting Requirement Guidance Updates
- Implementation Timeline
- Frequently Asked Questions
- Resources and Q&A
  - Please submit all questions to the Q&A option in the Zoom taskbar

# Important Information

- Guidance updates will take effect June 11, 2023. Please continue to follow the current hospital COVID-19 reporting guidance through the June 10, 2023.
- This information does not apply to Long-term Care Facilities or Dialysis Facilities. It also does not impact Healthcare Personnel (HCP) COVID-19 Vaccination reporting to NHSN.
- State and jurisdictional partners may have reporting requirements related to or independent of the federal reporting requirements. Facilities are encouraged to work with relevant state, territorial, local, and tribal (STLT) partners to ensure complete reporting.

# **Overview of NHSN COVID-19 Hospital Data Reporting Guidance Updates**

# Post-PHE hospital data reporting requirement changes

## ■ Data element reduction

- Required data elements will be reduced from 62 to 44
- Data elements made optional will remain on the reporting templates
  - State and jurisdictional partners may have reporting requirements related to or independent of the federal reporting requirements. Facilities are encouraged to work with relevant state, territorial, local, tribal (STLT) partners to ensure complete reporting.

## ■ Reporting cadence – weekly submission of daily values

- Reporting cadence will change from a daily to a weekly requirement, with values reported for each day of the previous week

# Data element requirements - summary

	Current		Post-PHE	
	# data elements	Reporting cadence	# data elements	Reporting cadence
<b>Required</b>	62	52 daily, 10 weekly	44	All 44 weekly, daily values for 34
<b>Optional</b>	1	1 weekly	19	All 19 weekly, daily values for 18
<b>Federally inactive / moved to another system</b>	69	N/A	69	N/A

## Key Points

- 132 data elements considered\*
- Reducing required data elements from 62 to 44, largely comprised of suspected COVID-19 fields, and retaining new admissions and capacity and occupancy fields as required
- Moving to weekly required reporting of daily values (additional details in next section)

\*Does not include 9 hospital identifier or location data elements: hospital name, CCN, NHSN Org ID, HHS ID, TeleTracking ID, state, county, zip code, reporting for date (other than reporting for date, all fields are static and do not need to be re-entered every day)

**Data Elements to remain Required**

# Data elements to remain required:

## Age-specific new admissions of confirmed COVID-19

Field	Description
17a	Previous day's adult admissions with confirmed COVID-19 and breakdown by age bracket: • 18-19 • 20-29 • 30-39 • 40-49 • 50-59 • 60-69 • 70-79 • 80+ • Unknown
18a	Previous day's pediatric admissions with confirmed COVID-19 and breakdown by age bracket: • 0-4 • 5-11 • 12-17 • Unknown



# Data elements to remain required: Inpatient and ICU bed capacity and occupancy

## Inpatient beds - descriptions

Field	Description
3a	All hospital inpatient beds
3b	Adult hospital inpatient beds
3c	All inpatient pediatric beds
4a	All hospital inpatient bed occupancy
4b	Adult hospital inpatient bed occupancy
4c	Pediatric inpatient bed occupancy

## ICU beds - descriptions

Field	Description
5a	ICU beds
5b	Adult ICU beds
5c	Pediatric ICU beds
6a	ICU bed occupancy
6b	Adult ICU bed occupancy
6c	Pediatric ICU bed occupancy

# Data elements to remain required: Hospitalization and influenza data elements to remain required

## Hospitalizations - descriptions

Field	Description
9b	Hospitalized adult laboratory-confirmed COVID-19 patients
10b	Hospitalized pediatric laboratory-confirmed COVID-19 patients
12b	Hospitalized ICU adult laboratory-confirmed COVID-19 patients
12c	Hospitalized ICU pediatric laboratory-confirmed COVID-19 patients

## Influenza - descriptions

Field	Description
33	Total hospitalized patients with laboratory-confirmed influenza virus infection
34	Previous day's admissions with laboratory-confirmed influenza virus infection
35	Total hospitalized ICU patients with laboratory-confirmed influenza virus infection

# Data elements to remain required: Weekly Supply/PPE data

Field	Description
27b	On hand supply duration in days: N95 respirators
27c	On hand supply duration in days: Surgical and procedure masks
27d	On hand supply duration in days: Eye protection including face shields and goggles
27e	On hand supply duration in days: Single-use gowns
27f	On hand supply duration in days: Exam gloves (sterile and non-sterile)
30c	Are you able to maintain at least a 3-day supply of N95 respirators?
30e	Are you able to maintain at least a 3-day supply of surgical and procedural masks?
30f	Are you able to maintain at least a 3-day supply of eye protection including face shields and goggles?
30g	Are you able to maintain at least a 3-day supply of single-use gowns?
30h	Are you able to maintain at least a 3-day supply of exam gloves?

**Data Elements to be made Optional**

# Overview: Data Element Reduction

- Fields that will no longer be required and will be made optional:
  - 9a. Total hospitalized adult suspected or laboratory-confirmed COVID-19 patients
  - 10a. Total hospitalized pediatric suspected or laboratory-confirmed COVID-19 patients
  - 11: Hospitalized and ventilated COVID-19 patients - Patients currently hospitalized in an adult, pediatric, or neonatal inpatient bed who have suspected or laboratory-confirmed COVID-19 and are on a mechanical ventilator
  - 12a: Total ICU adult suspected or laboratory-confirmed COVID-19 patients
  - 13: Hospital onset - Total current inpatients with onset of suspected or laboratory-confirmed COVID-19 fourteen or more days after admission for a condition other than COVID-19
  - 17b: Previous day's adult admissions with suspected COVID-19 and breakdown by age bracket: 18-19 • 20-29 • 30-39 • 40-49 • 50-59 • 60-69 • 70-79 • 80+ • Unknown
  - 18b: Previous day's pediatric admissions with suspected COVID-19
  - 19: Previous day total ED visits
  - 20: Previous day total COVID-19-related ED visits

# Data Elements to be made Optional: Suspected COVID-19

Field	Description
17b	Previous day's adult admissions with suspected COVID-19 and breakdown by age bracket: • 18-19 • 20-29 • 30-39 • 40-49 • 50-59 • 60-69 • 70-79 • 80+ • Unknown
18b	Previous day's pediatric admissions with suspected COVID-19
13	Hospital onset - Total current inpatients with onset of suspected or laboratory-confirmed COVID-19 fourteen or more days after admission for a condition other than COVID-19
11	Hospitalized and ventilated COVID-19 patients -Patients currently hospitalized in an adult, pediatric, or neonatal inpatient bed who have suspected or laboratory-confirmed COVID-19 and are on a mechanical ventilator
12a	Total ICU adult suspected or laboratory- confirmed COVID-19 patients
10a	Total hospitalized pediatric suspected or laboratory-confirmed COVID-19 patients
9a	Total hospitalized adult suspected or laboratory-confirmed COVID-19 patients

# Data Elements to be made Optional: ED visits

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Field	Description
19	Previous day's Emergency Department (ED) Visits
20	Previous day's total COVID-19- related ED visits

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# Reporting cadence recommendations - summary

- Weekly required reporting of daily values to capture reliable data for understanding severity and burden of COVID-19 on healthcare facilities and state of healthcare capacity in the United States
  - Weekly submission deadline: Tuesday
  - Data included in weekly submission: daily values for previous Sunday – Saturday (based on CDC MMWR week\*)
  - Monthly compliance enforcement period will be expanded from 14 to 28 days
- No changes to logistics of enforcement process; all are intended to provide a more flexible, longer enforcement period
  - Helpdesk/NHSN support will continue as is
  - Can continue to report as is (daily, all data elements)

\*The MMWR week is the week of the epidemiologic year for which the National Notifiable Diseases Surveillance System (NNDSS) disease report is assigned by the reporting local or state health department for the purposes of MMWR disease incidence reporting and publishing. Additional details found here:

<https://stacks.cdc.gov/view/cdc/116407#:~:text=The%20MMWR%20week%20is%20the,disease%20incidence%20reporting%20and%20publishing>



# Reporting cadence – weekly submission of daily values

- Reporting cadence will change from a daily requirement to a weekly requirement, with values reported for each day of the previous week (defined as Sunday – Saturday) by the submission deadline of Tuesday.
  - For example: Data for Sunday, June 11 – Saturday, June 17 would need to be submitted by end of day local time, Tuesday, June 20.
  - Daily values for required fields should be reported for each day in the previous week; data should NOT be reported as aggregated values over the entire week.

# Implementation Timeline

# Implementation schedule

- Saturday, June 10: implement updated reporting requirements
  - NHSN application will be offline for updates – details on offline times will be provided closer to date
- Sunday, June 11: start date for reporting under updated requirements
- Tuesday, June 20: first Tuesday that can be used for weekly submission deadline flexibility
- **Please continue reporting under current requirements through June 10**

# Implementation and reporting cadence: detailed calendar view, June 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
June 4	June 5	June 6	June 7	June 8	June 9	June 10 NHSN application implementation of updated reporting requirements*
June 11 Start date for reporting under updated requirements	June 12	June 13	June 14	June 15	June 16	June 17
June 18	June 19	June 20 first Tuesday that can be used for weekly submission deadline flexibility (June 11-17)	June 21	June 22	June 23	June 24
June 25	June 26	June 27 Weekly submission deadline (June 18-24)	June 28	June 29	June 30	July 1
July 2	July 3	July 4** Weekly submission deadline (June 25-July 1)	July 5	July 6	July 7	July 8
July 9	July 10	July 11 Weekly submission deadline (July -July 8)	July 12	July 13	July 14	July 15

\*NHSN application will be offline for updates- details on offline times will be provided closer to date

\*\*Additional guidance will be provided for reporting deadlines that fall on federal holidays.

# NHSN Application Webform Updates

# Webform Changes

- Federally required fields will appear at the top of the webform
- Optional fields will be moved separate section

The screenshot shows a webform titled "COVID-19" for Pleasant Valley Hospital (ID 10312). The form includes a "Back" button, hospital information, and a title "New Capacity & Utilization Entry For May 23, 2023". A note states that COVID-19-related data reporting is important for surveillance and response, and that all fields are mandatory unless otherwise noted. A "Reporting Context" dropdown menu is present. The form is divided into three main sections: "Staffed Bed Capacity", "Hospitalizations", and "Previous Day's Admissions".

**Staffed Bed Capacity**

3a. All hospital inpatient beds	4a. All hospital inpatient bed occupancy	5a. ICU beds	6a. ICU bed occupancy
3b. Adult hospital inpatient beds	4b. Adult hospital inpatient bed occupancy	5b. Adult ICU beds	6b. Adult ICU bed occupancy
3c. All inpatient pediatric beds	4c. Pediatric inpatient bed occupancy	5c. Pediatric ICU beds	6c. Pediatric ICU bed occupancy

**Hospitalizations**

7b. Hospitalized adult laboratory-confirmed COVID-19 patients	10b. Hospitalized pediatric laboratory-confirmed COVID-19 patients	12b. Hospitalized ICU adult laboratory-confirmed COVID-19 patients
		12c. Hospitalized ICU pediatric laboratory-confirmed COVID-19 patients

**Previous Day's Admissions**

Note: The age brackets under fields 17a are required to be considered compliant

Previous Day's adult admissions with laboratory-confirmed COVID-19 and breakdown by age bracket:

* 17a. Total adult	18a. Total pediatric
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A value is required in this field for submission.

# Webform Changes – Optional Data Elements Section

**Optional**

The below fields have been made optional for the federal data collection. Hospitals no longer need to report these data elements to the federal government.  
*Note: State, local, tribal, and territorial (SLTT) partners may have reporting requirements related to or independent of the federal reporting requirements. Facilities are encouraged to work with relevant (SLTT) partners to ensure complete reporting for all partners.*

**Hospitalizations**

9a. Total hospitalized adult suspected or laboratory-confirmed COVID-19 patients	10a. Total hospitalized pediatric suspected or laboratory-confirmed COVID-19 patient	11. Hospitalized and ventilated COVID-19 patients	12a. Total ICU adult suspected or laboratory-confirmed COVID-19 patients
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Previous Day's Admissions**

Previous Day's adult admissions with suspected COVID-19 and breakdown by age bracket:	Previous Day's pediatric admissions with suspected COVID-19:
17b. Total adult	18b. Total pediatric
<input type="text"/>	<input type="text"/>
18-19	
<input type="text"/>	
20-29	
<input type="text"/>	
30-39	
<input type="text"/>	
40-49	
<input type="text"/>	
50-59	
<input type="text"/>	
60-69	
<input type="text"/>	
70-79	
<input type="text"/>	
80+	
<input type="text"/>	
Unknown	
<input type="text"/>	

# Example – Before and After Guidance Update Implementation

Current

## Hospitalizations

9a. Total hospitalized adult suspected or laboratory-confirmed COVID-19 patients ⓘ

10a. Total hospitalized pediatric suspected or laboratory-confirmed COVID-19 patient ⓘ

11. Hospitalized and ventilated COVID-19 patients ⓘ

12a. Total ICU adult suspected or laboratory-confirmed COVID-19 patients ⓘ

9b. Hospitalized adult laboratory-confirmed COVID-19 patients ⓘ

10b. Hospitalized pediatric laboratory-confirmed COVID-19 patients ⓘ

12b. Hospitalized ICU adult laboratory-confirmed COVID-19 patients ⓘ

12c. Hospitalized ICU pediatric laboratory-confirmed COVID-19 patients ⓘ

13. Hospital onset ⓘ

New - after guidance update

## Hospitalizations

9b. Hospitalized adult laboratory-confirmed COVID-19 patients ⓘ

10b. Hospitalized pediatric laboratory-confirmed COVID-19 patients ⓘ

12b. Hospitalized ICU adult laboratory-confirmed COVID-19 patients ⓘ

12c. Hospitalized ICU pediatric laboratory-confirmed COVID-19 patients ⓘ



# Frequently Asked Questions

# What is considered “end of day”?

- End of day for local time – there is no time zone requirement.

# Will there be changes to the reporting templates?

- The CSV template will not change
- The webform in the hospital COVID-19 module of the NHSN application will be updated so that the Optional fields are listed in a separate section of the webform
  - This will not impact submission of optional fields via CSV upload – these data elements will still populate in the correct field in the webform

# Where can I find the CSV template?

- NHSN COVID-19 Hospital Data Reporting webpage:  
<https://www.cdc.gov/nhsn/covid19/hospital-reporting.html>
- NHSN Application – COVID-19 landing page

## CSV Data Import

[Bulk data upload template for upload date 1 \(without Reporting Context\)](#) [XLS – 6 KB]

- Note: This is the **primary** template and will be used by most hospitals. This template is the same as the TeleTracking/HHS Protect Template

[Bulk data upload template for upload date 2](#) [XLS – 11 KB]

- Note: This template is for hospitals that have units that are reporting hospital COVID data separately from the rest of the facility (same CCN, same NHSN orgID). This is uncommon – only 57 facilities have been identified as using this reporting scenario.
- Please see below facility-within-facility reporting details for additional information.

COVID-19

Click a date to begin entering data on the day for which counts are being reported.

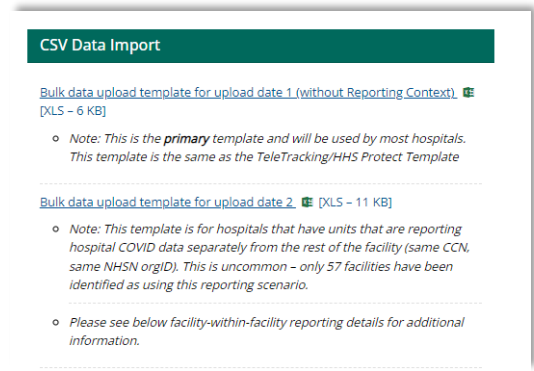
30 April 2023 - 10 June 2023

Record Complete Record Incomplete

Upload CSV CSV Template Export CSV (Download History)

# Why are there two CSV template options?

- “Facility-within-facility” scenario
  - Units/ floors/ wings of a hospital or facility that are currently reporting COVID-19 data independent of the facility in which these units/ floors/ wings are housed. These units/floors/wings have the same NHSN OrgID as the facility in which they are housed.
- Facilities will use “Reporting Context” field for the COVID-19 hospital data when they have a “facility-within-facility” scenario.
  - “Bulk\_Data\_Upload\_Template\_FOR\_UPLOAD\_DATE\_1” – **does not include** Reporting Context column
  - “Bulk\_Data\_Upload\_Template\_FOR\_UPLOAD\_DATE\_2” – **includes** Reporting Context column
    - **This version only for use in Facility-within-facility scenario**



**CSV Data Import**

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- Note: This is the **primary** template and will be used by most hospitals. This template is the same as the TeleTracking/HHS Protect Template

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- Note: This template is for hospitals that have units that are reporting hospital COVID data separately from the rest of the facility (same CCN, same NHSN orgID). This is uncommon - only 57 facilities have been identified as using this reporting scenario.
- Please see below facility-within-facility reporting details for additional information.

# What happens when “Reporting Context” is not used for a facility-within-facility scenario?

- Creates quality issues in de-duplicated datasets
- Data for facilities-within-facility may get lost in reporting/analytics

Raw NHSN Data

NHSN OrgID	Context	Collection Date	Record #	Number of Inpatient Beds
10001	HOSP	3/1/2023	1	640
10001	HOSP	3/1/2023	2	320
10001	HOSP	3/2/2023	3	640
10001	HOSP	3/2/2023	4	320
10001	HOSP	3/3/2023	5	640
10001	HOSP	3/3/2023	6	320
10001	HOSP	3/4/2023	7	640
10001	HOSP	3/4/2023	8	320

Context should likely be one of the following:

- IRF
- IPF
- CH
- OTH

De-duplicated Data for Reporting and Analytics

NHSN OrgID	Context	Collection Date	Record #	Number of Inpatient Beds
10001	HOSP	3/1/2023	2	320
10001	HOSP	3/2/2023	4	320
10001	HOSP	3/3/2023	5	640
10001	HOSP	3/4/2023	8	320

# Can I upload the daily values for the week in one CSV file?

- Yes. The guidance update requires that daily values for Sunday – Saturday are submitted by the following Tuesday. You can collect values for the week in one CSV file and submit that file for all dates and/or facilities for the submission week.

## Can data continue to be submitted daily?

- Yes. The guidance update provides the option to submit values for the week on weekly cadence instead of daily cadence; however, if your facility prefers to continue submitting daily, that option is still available.



# Will there be requirement changes for psychiatric and rehabilitation facilities?

- Psychiatric and rehabilitation facilities will continue to submit data once annually from October to October, as stated in the hospital COVID-19 reporting guidance: <https://www.hhs.gov/sites/default/files/covid-19-faqs-hospitals-hospital-laboratory-acute-care-facility-data-reporting.pdf>
- After implementation of the guidance updates, the federal requirement for annual reporting for psych and rehab facilities will include the reduced data elements

# Submission of PPE and Supply Data on Wednesdays

- The weekly requirement for submitting PPE and supply fields on Wednesdays will not change.
- Wednesday PPE and supply data can be included in the weekly submission of daily values. The PPE and supply data for the previous Wednesday would be included in the submission for that week.
  - Example:
    - Data for Sunday, June 11 – Saturday, June 17 would need to be submitted by end of day Tuesday, June 20. The PPE and supply data for Wednesday, June 14 would be included in the submission on due by end of day Tuesday, June 20.

# Questions about reporting HCP Vaccination

- Hospital healthcare personnel vaccination reporting is part of a CMS quality measure. This reporting is not tied to the PHE so there are no changes in reporting frequency or requirements related to HCP vaccination quality measures. <https://www.cdc.gov/nhsn/hps/weekly-covid-vac/index.html>.
- Please direct any questions to [NHSN@cdc.gov](mailto:NHSN@cdc.gov) with the subject line “HCP COVID-19 Vaccination.”

## Can my state/ jurisdiction/ third-party vendor, etc. still report on behalf of my facility?

- All reporting processes will remain the same in NHSN – if your state or jurisdiction or third-party vendor has been reporting the hospital COVID-19 data to NHSN on your behalf, that capability will still be available/ will not change.
- Please confirm with any state, territorial, local, and tribal (STLT) partners that this process will remain the same on their end as well.

# Accessing NHSN and Data Submission

- Guidance is available here, under the individual facility reporting section:  
<https://www.cdc.gov/nhsn/covid19/hospital-reporting.html>

## Individual Facility Reporting

Description: This reporting scenario include facilities/hospitals reporting COVID-19 hospital data for their hospital/facility individually to HHS. The facilities/hospital do not have jurisdiction, hospital associations, healthcare systems, or third-party vendors submit data on their behalf.

### Overview of Webform and .CSV Upload for Individual Facility Reporters

Detailed information on steps for individual facilities to prepare for reporting hospital COVID-19 data in NHSN.

[Slideset](#) [PDF - 1.5 MB]

[YouTube](#) [Video - 33 min]

### Transition Overview and Data Submission – Individual Facility Reporters

Overview of the transition of COVID-19 hospital reporting to NHSN and examples of data submission in the NHSN application.

[Slideset](#) [PDF - 1 MB]

[YouTube](#) [Video - 44 min]

## Data submission:

<https://www.cdc.gov/nhsn/pdfs/covid19/overview-of-data-submission-508.pdf>

## Obtaining access to NHSN, start on slide 7:

<https://www.cdc.gov/nhsn/pdfs/covid19/data-submission-facilities-508.pdf>

**Resources and Q&A**

# Post-PHE COVID-19 reporting information and resources

- CDC information on End of the Federal COVID-19 Public Health Emergency (PHE) Declaration (<https://www.cdc.gov/coronavirus/2019-ncov/your-health/end-of-phe.html>)
- CDC has published two articles in the Morbidity and Mortality Weekly Reports which offer a more detailed description of changes to data after the COVID-19 public health emergency declaration expires. Find them here:
  - [COVID-19 Surveillance After Expiration of the Public Health Emergency Declaration — United States, May 11, 2023](#)
  - [Correlations and Timeliness of COVID-19 Surveillance Data Sources and Indicators — United States, October 1, 2020–March 22, 2023](#)

# NHSN Resources

- Webpage:  
<https://www.cdc.gov/nhsn/covid19/hospital-reporting.html>
- NHSN Helpdesk
  - [NHSN@cdc.gov](mailto:NHSN@cdc.gov)
  - Subject line: “COVID-19 Hospital”

## COVID-19 Hospital Data Reporting

[Print](#)

Updated May 24, 2023

*The National Healthcare Safety Network (NHSN) assumed responsibility for collection of COVID-19 hospital data on Thursday, December 15, 2022. COVID-19 hospital data should be reported to NHSN as of December 15, 2022.*

Data will continue to be posted publicly on [HHS Protect](#) and [COVID Data Tracker](#). Facility and Group-level users can view their own data within the NHSN platform.

This information **does not apply** to Long-term Care Facilities or Dialysis Facilities. It also does not impact Healthcare Personnel (HCP) COVID-19 Vaccination.

### COVID-19 Hospital Data Reporting Guidance

Reporting guidance for COVID-19 hospital data is available [here](#).  
[PDF - 669 KB]

### COVID-19 Hospital Reporting Post-COVID-19 Public Health Emergency

[COVID-19 Hospital Data Reporting Guidance – Reporting Updates to CDC’s National Healthcare Safety Network Post-COVID-19 Public Health Emergency](#)  
[PDF - 254 KB]

[COVID-19 Hospital Reporting Post-COVID-19 Public Health Emergency – April 2023 Webinar](#) [PDF - 348 KB]

### Upcoming Trainings

All trainings will be recorded. Information for accessing the recordings will be added as it becomes available. Click on the “Register” link for more details about each session.