TEXAS
Health and Human
Services

Texas Department of State Health Services

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COVID-19 Hospital Bed Reporting Data Dictionary

This is an updated COVID-19 Data Dictionary which provides guidance for data reporting elements in EMResource. Following those definitions are their parallels from the required elements featured in the National Health and Safety Network (NHSN).

A health system may report on behalf of the facilities, but the information needs to be reported at the individual facility level.

Key Terms and Guidance:

*Available Staffed Bed
Refers to beds that are licensed, physically available and staffed to attend to patients who occupy those beds. It includes only beds that are vacant.

*Laboratory-confirmed COVID-19 positive includes:
• Positive SARS-CoV-2 antigen test only [no other testing performed]
• Positive SARS-CoV-2 NAAT (PCR) only [no other testing performed]
• ±Any other combination of SARS-CoV-2 NAAT (PCR) and/or antigen test(s) with at least one positive test.

*Suspected COVID-19 Cases Definition
A person who is being managed as though he/she has COVID-19 because of signs and symptoms suggestive of COVID-19 as described by CDC's guidance but does not have a laboratory positive COVID19 test result. This may include patients who have not been tested or those with pending test results. The count may also include patients with negative test results but who continue to show signs/symptoms suggestive of COVID-19. Do not include those who are waiting for a screening test result as suspected cases unless they meet the signs and symptoms criteria described above.

*Pediatric Essential Elements
For all references of "adult" and "pediatric" below, "adult" references adult-designated equipment and locations and "pediatric" references pediatric-designated equipment and locations.

COVID-19 Data Elements in EMResource

All Hospital Beds Types (Available & Occupied)

Available Staffed Adult ICU
Beds supporting critically ill patients, including patients with or without ventilator support
❖ *NHSN identifies as "Adult ICU beds"*

Available Staffed MedSurg (general hospital beds)
Beds for patients who do not require intensive care
❖ *NHSN identifies as "Adult hospital inpatient beds"*

Available Staffed Burn
Beds approved by the American Burn Association or self-designated. These beds should not be included in other ICU bed counts
❖ *NHSN identifies as "Adult hospital inpatient beds"*

Available Staffed Pediatric
Beds for patients 17 or younger who do not require intensive care
❖ *NHSN identifies "All inpatient pediatric beds"*

Available Staffed Pediatric ICU
Beds supporting critically ill/injured patients 17 years or younger, including patients with or without ventilator support
❖ *NHSN identifies as "Pediatric ICU beds"*

Available Staffed Psych
Beds on a secured psychiatric unit
❖ *NHSN identifies as "Adult hospital inpatient beds"*

Available Staffed Negative Pressure Isolation
Beds available to provide respiratory isolation through negative pressure airflow.
❖ *NHSN identifies as "Adult hospital inpatient beds"*

Available Staffed Surge Beds Located in Inpatient and/or Overflow Areas
Additional staffed beds that can be utilized, if necessary, within the walls of the hospital.
❖ *NHSN identifies as "Adult hospital inpatient beds"*

Available Staffed ED Beds

Beds available to patients in the emergency department
❖ *NHSN identifies as "Adult hospital inpatient beds"*

Available Staffed Outpatient Beds
Beds for patients receiving outpatient services or awaiting transition
❖ *NHSN identifies as "Adult hospital inpatient beds"*

Available Staffed Observation Beds
Beds available to observe patients for few hours
❖ *NHSN identifies as "Adult hospital inpatient beds"*

All Hospital Inpatient Bed Occupancy

Total Number of Patients in Hospital: Total hospital patient census at time of reporting, including suspected and lab confirmed COVID-19 patients admitted to general, isolation or ICU beds, and all overflow & surge/expansion beds with patients
❖ *NHSN identifies as "All hospital inpatient bed occupancy"*

Total Number of Adult Patients
Total number of staffed inpatient adult beds that are occupied
❖ *NHSN identifies as "Adult hospital inpatient bed occupancy"*

Total Number of Pediatric Patients
Total number of staffed inpatient pediatric beds that are occupied
❖ *NHSN identifies as "Pediatric inpatient bed occupancy"*

ICU Beds Available
❖ *NHSN identifies as "ICU Beds"*

Total Number of Adult ICU Beds Available
Total number of staffed ICU adult beds that are available
❖ *NHSN identifies as "Adult ICU beds"*

Total Number of Pediatric ICU Beds Available
Total number of staffed ICU pediatric beds that are available
❖ *NHSN identifies as "Pediatric ICU beds"*

ICU Beds Occupied
❖ *NHSN identifies as "ICU bed occupancy"*

Total Number of Adult ICU Beds Occupied

Total number of staffed ICU adult beds that are occupied
❖ *NHSN identifies as "Adult ICU bed occupancy"*

Total Number of Pediatric ICU Beds Occupied
Total number of staffed ICU pediatric beds that are occupied
❖ *NHSN identifies as "Pediatric ICU bed occupancy"*

Total Mechanical Ventilator (In Use and Not in Use)

Total Ventilators Available – Adult/Pediatric
Total number of adult ventilators available, to include adult ventilators that can ventilate a pediatric patient. Any device used to support, assist or control respiration through the application of positive pressure to the airway when delivered via an artificial airway
❖ *NHSN identifies as "Total mechanical ventilators"*

Total Ventilators Available – Pediatric Only
Total number of pediatric specific ventilators available, not to include pediatric ventilators that can also be used as adult ventilators. Any device used to support, assist or control pediatric respiration through the application of positive pressure to the airway when delivered via an artificial airway
❖ *NHSN identifies as "Total mechanical ventilators"*

Total BiPAPs Available – Adult
Total number of adult bi-level positive airway pressure (BiPAP or BPAP) machines available typically used for treatment of sleep apnea and may be used to support patients with respiratory insufficiency provided appropriate monitoring (as available) and patient condition
❖ *NHSN identifies as "Total mechanical ventilators"*

Total BiPAPs Available – Pediatric
Total number of pediatric bi-level positive airway pressure (BiPAP or BPAP) machines available
❖ *NHSN identifies as "Total mechanical ventilators"*

Anesthesia Machines Available (Available staffed Operating Room)
Total number of anesthesia machines in use by patients, including suspected and lab confirmed COVID-19 patients in the operating room

Total Anesthesia Machines with Ventilators in Use

Total number of anesthesia machines w/ventilators in use by patients, including suspected and lab confirmed COVID-19 patients admitted to general, isolation or ICU beds
❖ *NHSN identifies as "Mechanical ventilators in use"*

Total Ventilators in Use – Adult/Pediatric
Total number of adult ventilators in use, to include adult ventilators that are capable of ventilating a pediatric patient
❖ *NHSN identifies as "Mechanical ventilators in use"*

Total Ventilators in Use – Pediatric Only
Total number of pediatric specific ventilators in use, not to include pediatric ventilators that can also be used as adult ventilators
❖ *NHSN identifies as "Mechanical ventilators in use"*

Total BiPAPs in Use – Adult
Total number of adult bi-level positive airway pressure (BiPAP or BPAP) machines in use
❖ *NHSN identifies as "Mechanical ventilators in use"*

Total BiPAPs in Use – Pediatric
Total number of pediatric bi-level positive airway pressure (BiPAP or BPAP) machines in use
❖ *NHSN identifies as "Mechanical ventilators in use"*

Total Portable/Transport Ventilators Available
Total number of portable ventilators available, to include adult ventilators that are capable of ventilating a pediatric patient. Any device used to support, assist or control respiration through the application of positive pressure to the airway when delivered via an artificial airway during transportation
❖ *NHSN identifies as "Total mechanical ventilators"*

Total Portable/Transport Ventilators in Use
Total number of portable ventilators in use, to include adult ventilators that are capable of ventilating a pediatric patient. Any device used to support, assist or control respiration through the application of positive pressure to the airway when delivered via an artificial airway during transportation
❖ *NHSN identifies as "Mechanical ventilators in use"*

COVID-19 Essential Elements of Information

Lab Confirmed COVID-19 Patients in MedSurg (General)/Isolation Beds at Time of Report (Subset of Total Patient Census)
Number of lab confirmed COVID-19 patients admitted to MedSurg (general) or isolation beds at time of report
❖ *NHSN identifies as "Hospitalized adult laboratory-confirmed COVID-19 patients"*

Lab Confirmed COVID-19 Patients in ICU Beds at Time of Report (Subset of Total Patient Census as well as Number of ICU Beds Occupied)
Number of lab confirmed COVID-19 patients admitted to adult, pediatric ICU or NICU beds at time of report
❖ *NHSN identified as "Hospitalized ICU adult laboratory-confirmed COVID-19 patients"*

Hospitalized Suspected ICU Bed
Total number of patients currently hospitalized in an adult ICU inpatient bed who have laboratory confirmed COVID-19
❖ *NHSN identifies as "Total ICU adult suspected or laboratory-confirmed COVID-19 patients"*

Hospitalized Suspected Gen Bed*
Total number of patients currently hospitalized in an adult general inpatient bed who have suspected COVID-19
❖ *NHSN identifies as "Total hospitalized adult suspected or laboratory-confirmed COVID-19 patients"*

Hospitalized Suspected Peds
Total number of patients currently hospitalized in a pediatric inpatient bed, including NICU, who have suspected COVID-19
❖ *NHSN identifies as "Total hospitalized pediatric suspected or laboratory-confirmed COVID-19 patient"*

Hospitalized Confirmed Peds
Total number of patients currently hospitalized in a pediatric inpatient bed, including NICU who have lab confirmed COVID-19
❖ *NHSN identifies as "Hospitalized pediatric laboratory-confirmed COVID-19 patients"*

Lab Confirmed COVID-19 Patients in ICU Beds at Time of Report (Subset of Total Patient Census as well as Number of ICU Beds Occupied)
Total number of patients of lab confirmed COVID-19 patients admitted to adult beds at time of report
❖ *NHSN identifies as "Hospitalized ICU adult laboratory-confirmed COVID-19 patients"*

Suspected COVID-19 Patients in ICU Beds at Time of Report
Total number of patients currently hospitalized in an adult ICU inpatient bed who have suspected COVID-19
❖ *NHSN identifies as "Total ICU adult suspected or laboratory-confirmed COVID-19 patients"*

ED/Overflow
Total number of patients with suspected or laboratory confirmed COVID-19 who are currently in the Emergency Department (ED) or any overflow location awaiting an inpatient bed
❖ *NHSN identifies as "ED/overflow"*

ED/Overflow and vented
Total number of patients with suspected or laboratory confirmed COVID-19 who are currently in the Emergency Department (ED) or any overflow location awaiting an inpatient bed and, on a ventilator
❖ *NHSN identifies as "ED/overflow and ventilated"*

Previous Day's Adult COVID-19 Admissions
Previous day's adult lab confirmed admissions and age breakdown by age
Enter the number of patients who were admitted to an adult inpatient bed on the previous calendar day who had confirmed COVID-19 at the time of admission.
i.20 -29
ii.30-39
iii.40-49
iv.50-59
v.60-69
vi.70-79
vii.80+
viii.Unknown
❖ *NHSN identifies as "Previous Day's adult admissions with laboratory-confirmed COVID-19 and breakdown by age bracket:"*

Previous Day's Pediatric COVID-19 Admissions
Previous Day's Peds Lab Con Admissions
Number of patients who were admitted to a pediatric inpatient bed on the previous calendar day who had laboratory confirmed COVID-19 at the time of admission
❖ *NHSN identifies as "Previous Day's pediatric admissions with laboratory-confirmed COVID-19 breakdown by age bracket:"*

Previous Day's Remdesivir Used
Previous day's Remdesivir used – number of Remdesivir vials used on the previous calendar day in an inpatient, ED, and/or overflow location
❖ *NHSN identifies as "Previous day's Remdesivir used (Optional)"*

Remdesivir Inventory
Current inventory of Remdesivir –number of Remdesivir vials in inventory at 11:59 pm on the previous calendar day in the hospital pharmacy
❖ *NHSN identifies as "Current Remdesivir inventory (Optional)"*

Previous Day's Fatalities
Previous day's deaths – Number of patients with suspected or laboratory confirmed COVID-19 who died on the previous calendar day in the hospital, ED, or any overflow location
❖ *NHSN identifies as "Previous Day's COVID-19 Deaths"*

Critical Staffing shortage today (Y/N)
Staff absenteeism at time of report due to quarantine, COVID-19 illness, family/other illness, school closure
❖ *NHSN identifies as "Critical staffing shortage today (Y/N) (Optional)"*

Staffing Shortages Weekly
Critical Staffing Shortage anticipated within a week
❖ *NHSN identifies as "Staffing shortage details (Optional)"*

Staffing Shortage Details:
Staffing shortage details – If Y to having a current or projected shortage within a week, specify type of staffing shortage
a. Environmental services
b. Nurses
c. Respiratory therapists
d. Pharmacists and Pharmacy techs
e. Physicians
f. Other licensed independent practitioners
g. Temporary physicians, nurses, respiratory therapists and pharmacists
h. Other critical healthcare personnel
❖ *NHSN identifies as "Staffing shortage details (Optional)"*

Personal Protective Equipment Supply Essential Elements of Information

On-hand supplies in days
On hand supplies duration in days: Provide calculated days of supply in stock for ventilator supplies and each PPE category. Calculation may be provided by your hospital's ERP system or by utilizing the CDC's PPE burn rate calculator assumptions
    a. Ventilator supplies
    b. N95 respirators
    c. Other respirators such as PAPRs or elastometrics
    d. Surgical and procedural masks
    e. Eye protection including face shields and googles
    f. Single-use gowns
    g. Gloves
❖ *NHSN identifies as "On hand supply (DURATION IN DAYS)"*

On-hand supplies in individual units/"eaches"

For each listed supply item below, recorded the number of individual units (or "eaches") available in the facility on the data of data collection. For hospitals which are part of a health system, do NOT include supplies at other system locations, including warehouses. Information can be obtained from materials management, infection prevention leader, operation leadership, or COVID-19 incident command leadership in your facility.

   a. Ventilator supplies
   b. N95 respirators
   c. Other respirators such as PAPRs or elastometrics
   d. Surgical and procedural masks
   e. Eye protection including face shields and googles
   f. Single-use gowns
   g. Gloves
   ❖ *NHSN identifies as "On hand supply (INDIVIDUAL UNITS/"EACHES") (Optional)*

Obtaining items
Supply items that your facility can order and obtain.
❖ *NHSN identifies as "Are you able to obtain these items?"*

3-day supply
Supplies your facility can maintain at least 3 days
❖ *NHSN identifies as "Are you able to maintain at least a three-day supply of these items?"*

Reusable gowns for COVID patients
Isolations gowns that are reusable/launderable for the care of any patients in transmission-based precautions
❖ *NHSN identifies as "Does your facility re-use or extend the use of PPE? (optional)"*

Critical shortages
Any specific or critical medical supplies or medication shortages for which you are currently experiencing or anticipate experiencing in the next three days
❖ *NHSN identifies as "If there are any critical issues, such as supply, staffing, capacity, or other issues which you would like to receive direct contact, please explain here. (optional)"*

COVID-19 Data Elements No Longer Required After 11 June 2023

Total Hospitalized Adults Suspected or Confirmed COVID patients

Patients currently hospitalized in an adult inpatient bed who have laboratory-confirmed or suspected COVID-19. Include those in observation beds.

❖ *NHSN identifies as "Total hospitalized adult suspected or laboratory-confirmed COVID-19 patients"*

Total Hospitalized Pediatric Suspected or Confirmed COVID patients

Patients currently hospitalized in a pediatric inpatient bed, including NICU, PICU, newborn, and nursery, who are suspected or laboratory-confirmed-positive for COVID-19. Include those in observation beds.

❖ *NHSN identifies as "Total hospitalized pediatric suspected or laboratory-confirmed COVID-19 patient"*

COVID-19 Hospitalized and Ventilated (Subset of Total Patient Census, Ventilators in Use)

Total number of patients currently hospitalized in an inpatient bed who have suspected, or lab confirmed COVID-19 and are on a mechanical ventilator at the time of report.

❖ *NHSN identifies as "Hospitalized and ventilated COVID-19 patients"*

Total ICU adult Suspected and Confirmed Positive COVID Patients

Patients currently hospitalized in a designated adult ICU bed who have suspected or laboratory-confirmed COVID-19.

❖ *NHSN identifies as "Total ICU adult suspected or laboratory confirmed COVID-19 patients"*

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

❖ *NHSN identifies as "Hospital onset"*

Previous day's adult lab suspected admissions* and age breakdown by age –

Enter the number of patients who were admitted to an adult inpatient bed on the previous calendar day who had suspected COVID-19 at the time of admission.

 i.20-29
ii.30-39
iii.40-49
iv.50-59
v.60-69
vi.70-79
vii.80+
viii.Unknown

❖ *NHSN identifies as "Previous Day's adult admissions with suspected COVID-19 and breakdown by age bracket:"*

Previous Day's Peds Suspected Admissions*
Number of patients who were admitted to a pediatric inpatient bed on the previous calendar day who had suspected COVID-19 at the time of admission
❖ *NHSN identifies as "Previous Day's pediatric admissions with suspected COVID-19:"*

Previous day's total ED visits
Total Number of ED Visits in the last 24 hours
❖ *NHSN identifies as "Previous day's Emergency Department (ED) Visits"*

Previous day's total COVID-19 related ED Visits
Number of Suspected and confirmed COVID-19 ED Visits (Subset of Total ED Visits)
❖ *NHSN identifies as "Previous day's total COVID-19-related ED Visits"*