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Hospital Respiratory Data (HRD)– Daily Import File Specifications

Updated: 06/26/2025
Version 3
Implementation date: 10/29/2024

Updates included in this version are highlighted in orange

NHSN HRD Import File Format – use the specifications below when reporting data to NHSN HRD Module, Daily Data Pathway for reporting dates 10/6/2024 and going forward. Full reporting guidance can be found in the NHSN HRD Protocol: https://www.cdc.gov/nhsn/pdfs/pscmanual/HRD-Protocol-Final.pdf. Additional NHSN HRD resources available here: https://www.cdc.gov/nhsn/psc/hospital-respiratory-reporting.html.

Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
orgID	1a	NHSN Org ID	**Required**	Integer (whole number)	i.e., 12345	Facility identifier – required for all imports/data uploads, including groups
context	1b	Reporting Context	**Required**	Character	HOSP IPF IRF CH OTH	Unit- or location-level reporting indicator – required for all imports/data uploads, including groups. Only allow IRF if the facility has an active IRF location enrolled in NHSN. Only allow IPF if the facility has an active IPF location enrolled in NHSN. CH and OTH contexts available for separate reporting of pediatric or other unit-specific data if desired, but not required.
reportingDate	1c	Reporting for Date	**Required**	Datetime MM/DD/YYYY		Enter or select date for which the counts and/or responses in the pathway apply. For example, if reporting the number of new hospital admissions of patients with laboratory-confirmed COVID-19 age 0-4 years for Monday of the reporting week, Monday should be entered as the reportingDate, or selected on the calendar view as the day for which counts are being reported in the HRD Daily Pathway.

Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
numInPtBeds	2a	All hospital inpatient beds	Conditional*, †	Integer (whole number)	0 to 2500	Required for Wednesday reporting dates Must be >= 2b. numInPtBedsAdult + 2c. numInPtBedsPed Must be >= 3a. numInPtBedsOcc
numInPtBedsAdult	2b	All adult inpatient beds	Conditional*, †	Integer (whole number)	0 to 2500	Required for Wednesday reporting dates Must be <= 2a. numInPtBeds Must be >= 3b. numInPtBedsOccAdult
numInPtBedsPed	2c	All pediatric inpatient beds	Conditional*, †	Integer (whole number)	0 to 2500	Required for Wednesday reporting dates Must be <= 2a. numInPtBeds Must be >= 3c. numInPtBedsOccPed
numInPtBedsOcc	3a	All hospital inpatient occupancy	Conditional*, †	Integer (whole number)	0 to 2500	Required for Wednesday reporting dates Must be >= 5a. numICUBedsOcc (where 5a. numICUBedsOcc does not equal 9999) AND Required for Wednesday reporting dates Must be >= (3b. numInPtBedsOccAdult + 3c. numInPtBedsOccPed)
numInPtBedsOccAdult	3b	All adult inpatient occupancy	Conditional*, †	Integer (whole number)	0 to 2500	Required for Wednesday reporting dates Must be <= 3a. numInPtBedsOcc AND Must be >= 5b. numICUBedsOccAdult (where 5b. numICUBedsOccAdult does not equal 9999)
numInPtBedsOccPed	3c	All pediatric inpatient occupancy	Conditional*, †	Integer (whole number)	0 to 2500	Required for Wednesday reporting dates Must be <= 3a. numInPtBedsOcc AND Must be >= 5c. numICUBedsOccPed (where 5c. numICUBedsOccPed does not equal 9999)
numICUBeds	4a	All ICU beds	Conditional*, †	Integer (whole number)	9999 (if applicable) OR 0 to 500	Required for Wednesday reporting dates **If not equal to 9999**: Must be <= 2a. numInPtBeds AND Must be >= 4b. numICUBedsAdult (where 4b. numICUBedsAdult does NOT equal 9999) + 4c.

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Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
						numICUBedsPed (where 4c. numICUBedsPed does NOT equal 9999)]) AND Must be >= 5a. numICUBedsOcc
numICUBedsAdult	4b	Adult ICU beds	Conditional*, †	Integer (whole number)	9999 (if applicable) OR 0 to 500	Required for Wednesday reporting dates **Must be 9999 if 4a. numICUBeds equals 9999** **If not equal to 9999**: Must be <= 4a. numICUBeds AND Must be >= 5b. numICUBedsOccAdult
numICUBedsPed	4c	Pediatric ICU beds	Conditional*, †	Integer (whole number)	9999 (if applicable) OR 0 to 500	Required for Wednesday reporting dates **Must be 9999 if 4a. numICUBeds equals 9999** **If not equal to 9999**: Must be <= 4a. numICUBeds AND Must be >= 5c. numICUBedsOccPed
numICUBedsOcc	5a	All ICU bed occupancy	Conditional*, †	Integer (whole number)	9999 (if applicable) OR 0 to 500	Required for Wednesday reporting dates **Must be 9999 if 4a. numICUBeds equals 9999** **If not equal to 9999**: Must be <= 3a. numInPtBedsOcc AND Must be >= 5b. numICUBedsOccAdult (where 5b. numICUBedsOccAdult does NOT equal 9999) + 5c. numICUBedsOccPed (where 5c. numICUBedsOccPed does NOT equal 9999)
numICUBedsOccAdult	5b	Adult ICU bed occupancy	Conditional*, †	Integer (whole number)	9999 (if applicable) OR 0 to 500	Required for Wednesday reporting dates **Must be 9999 if 4a. numICUBeds equals 9999 OR if 4b. numICUBedsAdult equals 9999** **If not equal to 9999:** Must be <= 5a. numICUBedsOcc
numICUBedsOccPed	5c	Pediatric ICU bed occupancy	Conditional*, †	Integer (whole number)	9999 (if applicable) OR 0 to 500	Required for Wednesday reporting dates **Must be 9999 if 4a. numICUBeds equals 9999 OR if 4c. numICUBedsPed equals 9999** **If not equal to 9999:** Must be <= 5a. numICUBedsOcc

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Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
numConfC19HospPatsAdult	6a	All hospitalized adult patients with laboratory- confirmed COVID-19	Conditional*	Integer (whole number)	0 to 500	Required for Wednesday reporting dates
numConfC19HospPatsPed	6b	All hospitalized pediatric patients with laboratory-confirmed COVID-19	Conditional*	Integer (whole number)	0 to 100	Required for Wednesday reporting dates
numConfC19ICUPatsAdult	9a	Adult ICU patients with laboratory-confirmed COVID-19	Conditional*	Integer (whole number)	0 to 200	Required for Wednesday reporting dates Must be <= 6a. numConfC19HospPatsAdult
numConfC19ICUPatsPed	9b	Pediatric ICU patients with laboratory-confirmed COVID-19	Conditional*	Integer (whole number)	0 to 100	Required for Wednesday reporting dates Must be <= 6b. numConfC19HospPatsPed
numConfFluHospPatsAdult	7a	All hospitalized adult patients with laboratory-confirmed influenza	Conditional*	Integer (whole number)	0 to 200	Required for Wednesday reporting dates
numConfFluHospPatsPed	7b	All hospitalized pediatric patients with laboratory-confirmed influenza	Conditional*	Integer (whole number)	0 to 200	Required for Wednesday reporting dates
numConfFluICUPatsAdult	10a	Adult ICU patients with laboratory-confirmed influenza	Conditional*	Integer (whole number)	0 to 100	Required for Wednesday reporting dates Must be <= 7a. numConfFluHospPatsAdult
numConfFluICUPatsPed	10b	Pediatric ICU patients with laboratory-confirmed influenza	Conditional*	Integer (whole number)	0 to 100	Required for Wednesday reporting dates Must be <= 7b. numConfFluHospPatsPed
numConfRSVHospPatsAdult	8a	All Hospitalized adult patients with laboratory-confirmed RSV	Conditional*	Integer (whole number)	0 to 200	Required for Wednesday reporting dates
numConfRSVHospPatsPed	8b	All Hospitalized pediatric patients with laboratory-confirmed RSV	Conditional*	Integer (whole number)	0 to 200	Required for Wednesday reporting dates
numConfRSVICUPatsAdult	11a	Adult ICU patients with laboratory-confirmed RSV	Conditional*	Integer (whole number)	0 to 100	Required for Wednesday reporting dates Must be <= 8a. numConfRSVHospPatsAdult

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Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
numConfRSVICUPatsPed	11b	Pediatric ICU patients with laboratory-confirmed RSV	Conditional*	Integer (whole number)	0 to 100	Required for Wednesday reporting dates Must be <= 8b. numConfRSVHospPatsPed
numConfC19NewAdmPed0to4	12a	Number of new admissions of patients with laboratory-confirmed COVID-19, 0-4 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmPed5to17	12b	Number of new admissions of patients with laboratory-confirmed COVID-19, 5-17 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult18to49	12c	Number of new admissions of patients with laboratory-confirmed COVID-19, 18-49 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult50to64	12d	Number of new admissions of patients with laboratory-confirmed COVID-19, 50-64 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult65to74	12e	Number of new admissions of patients with laboratory-confirmed COVID-19, 65-74 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult75plus	12f	Number of new admissions of patients with laboratory-confirmed COVID-19, 75+ years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmUnk	12g	Number of new admissions of patients with laboratory-confirmed COVID-19, unknown age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfFluNewAdmPed0to4	13a	Number of new admissions of patients with laboratory-	Required	Integer (whole number)	0 to 100	Required for all reporting dates

Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
		confirmed influenza, 0-4 years of age				
numConfFluNewAdmPed5to17	13b	Number of new admissions of patients with laboratory-confirmed influenza, 5-17 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfFluNewAdmAdult18to49	13c	Number of new admissions of patients with laboratory-confirmed influenza, 18-49 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfFluNewAdmAdult50to64	13d	Number of new admissions of patients with laboratory-confirmed influenza, 50-64 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfFluNewAdmAdult65to74	13e	Number of new admissions of patients with laboratory-confirmed influenza, 65-74 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfFluNewAdmAdult75plus	13f	Number of new admissions of patients with laboratory-confirmed influenza, 75+ years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfFluNewAdmUnk	13g	Number of new admissions of patients with laboratory-confirmed influenza, unknown age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfRSVNewAdmPed0to4	14a	Number of new admissions of patients with laboratory-confirmed RSV, 0-4 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfRSVNewAdmPed5to17	14b	Number of new admissions of patients with laboratory-	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates

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Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
		confirmed RSV, 5-17 years of age				
numConfRSVNewAdmAdult18to49	14c	Number of new admissions of patients with laboratory-confirmed RSV, 18-49 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfRSVNewAdmAdult50to64	14d	Number of new admissions of patients with laboratory-confirmed RSV, 50-64 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfRSVNewAdmAdult65to74	14e	Number of new admissions of patients with laboratory-confirmed RSV, 65-74 years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfRSVNewAdmAdult75plus	14f	Number of new admissions of patients with laboratory-confirmed RSV, 75+ years of age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
numConfRSVNewAdmUnk	14g	Number of new admissions of patients with laboratory-confirmed RSV, unknown age	**Required**	Integer (whole number)	0 to 100	Required for all reporting dates
N95MaskSupplyDays	15a	On hand supply (DURATION in days) n95 respirators	Optional§	character	0 DAYS 1-3 DAYS 4-6 DAYS 7-14 DAYS 15-30 DAYS > 30 DAYS	Optional for all reporting dates; Wednesday is recommended reporting date
surgMaskSupplyDays	15b	On hand supply (DURATION in days) surgical and procedure masks	Optional§	character	0 DAYS 1-3 DAYS 4-6 DAYS 7-14 DAYS 15-30 DAYS > 30 DAYS	Optional for all reporting dates; Wednesday is recommended reporting date
shieldSupplyDays	15c	On hand supply (DURATION in days)	Optional§	character	0 DAYS 1-3 DAYS	Optional for all reporting dates; Wednesday is recommended reporting date

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Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
		eye protection including face shields and goggles			4-6 DAYS 7-14 DAYS 15-30 DAYS > 30 DAYS	
gownSupplyDays	15d	On hand supply (DURATION in days) single use gowns	Optional§	character	0 DAYS 1-3 DAYS 4-6 DAYS 7-14 DAYS 15-30 DAYS > 30 DAYS	Optional for all reporting dates; Wednesday is recommended reporting date
gloveSupplyDays	15e	On hand supply (DURATION in days) exam gloves (sterile and non-sterile)	Optional§	character	0 DAYS 1-3 DAYS 4-6 DAYS 7-14 DAYS 15-30 DAYS > 30 DAYS	Optional for all reporting dates; Wednesday is recommended reporting date
N95Mask3DaySupply	16a	Are you able to MAINTAIN at least a 3-day supply of these items (y/n/N/A)? N95 respirators	Optional§	character	Y N N/A	Optional for all reporting dates; Wednesday is recommended reporting date
surgMask3DaySupply	16b	Are you able to MAINTAIN at least a 3-day supply of these items (y/n/N/A)? Surgical and procedure masks	Optional§	character	Y N N/A	Optional for all reporting dates; Wednesday is recommended reporting date
shield3DaySupply	16c	Are you able to MAINTAIN at least a 3-day supply of these items (y/n/N/A)? Eye protection including face shields and goggles	Optional§	character	Y N N/A	Optional for all reporting dates; Wednesday is recommended reporting date
gown3DaySupply	16d	Are you able to MAINTAIN at least a 3-day supply of these items (y/n/N/A)? Single use gowns	Optional§	character	Y N N/A	Optional for all reporting dates; Wednesday is recommended reporting date
glove3DaySupply	16e	Are you able to MAINTAIN at least a 3-	Optional§	character	Y N	Optional for all reporting dates; Wednesday is recommended reporting date

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Template Data Element Column Name	ID	Column Description	Status	Format	Valid Values	Business Rules
		day supply of these items (y/n/N/A)? Exam gloves			N/A	

*Fields marked as 'conditionally required' include those that are only required to be reported for Wednesday of a given reporting week. These data elements can be optionally reported using the HRD Daily template for all other days during a given reporting week.

†These conditionally required fields can also be fulfilled by data reported to the NHSN Connectivity Initiative: Hospital Bed Capacity Project by actively participating facilities (https://www.cdc.gov/nhsn/bed-capacity/index.html). Data for these fields will auto-populate into the NHSN application (when available) for fulfillment of the HRD requirements.

§Supply fields are designated as optional for reporting to NHSN; if your facility is opting to report this information to NHSN, it is recommended that Wednesday is selected as the reporting for date, to maintain consistency with previously required supply data and current set of Wednesday-only required fields in the HRD reporting.

Hospital Respiratory Data – Daily Import File Specifications Change Log

The change log details changes in the daily import file specifications to aid partners in tracking updates.

Changes from previous version (Version 2, dated October 31, 2024)
- **Business Rules**
  - Business rules were updated for the following data elements:
    - numInPtBeds
    - numInPtBedsAdult
    - numInPtBedsPed
    - numICUBeds
    - numICUBedsAdult
    - numICUBedsPed

Changes from earlier version (Version 1, dated September 27, 2024)

- **Valid Values**
  - Valid value ranges were updated for the following data elements:
    - numInPtBeds
    - numInPtBedsAdult
    - numInPtBedsPed
    - numInPtBedsOcc
    - numInPtBedsOccAdult
    - numInPtBedsOccPed
    - N95MaskSupplyDays
    - surgMaskSupplyDays
    - shieldSupplyDays
    - gownSupplyDays
    - gloveSupplyDays