Centers for Disease Control and Prevention National Center for Emerging and Zoonotic Infectious Diseases



National Healthcare Safety Network (NHSN) Nurse Staffing Hours Indicator

An Overview for Reporting

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Agenda and Objectives

- Background
- Introduction
- Identify reporting requirements
- Understand the reporting process
- Resources
- Q&A (via chat option)

Background

- Nursing workforce is the nation's largest healthcare profession¹
- Nursing workforce includes RNs, Licensed Practical Nurses (LPN)/ Licensed
 Vocational Nurses (LVN), Nursing Assistants/Orderlies
- Registered Nurses (RNs) one of the largest segments of this workforce
- More than four times as many RNs as physicians
- Number of jobs²
 - RN 3,673,040 includes advanced practice such as nurse midwives, nursepractitioners, etc.
 - LPN/LVN 657,200
 - Nursing Assistants/Orderlies 1,389,900

Background

- As of March 2022, 16 states currently address nurse staffing in hospitals through either laws or regulations³
 - Hospital-based requirement:
 - Staffing committees comprised of at least 50% direct care nurses: CT, IL, NV, NY, OH, OR, TX, WA
 - Chief Nursing Officer must develop a core staffing plan: MN
 - Nurse to patient ratios/standards: CA, MA
 - Disclosure and/or reporting requirements: IL, NJ, NY, RI, VT
- The Safe Staffing for Nurse and Patient Safety Act of 2018⁴ requires staffing committee comprised of at least 55% direct care nurses

Overview – The NHSN Nurse Staffing Indicator

- Developed in collaboration with representatives from the American Nurses Association, American Association of Critical-Care Nurses and Press Ganey.
- Based on
 - O204 Skill mix (Registered Nurse [RN], Licensed Vocational/Practical Nurse [LVN/LPN], unlicensed assistive personnel [UAP], and contract)
 - 0205 Nursing Hours per Patient Day
- NHSN Nurse Staffing Indicator Protocol
- Monthly Survey form

NHSN Nursing Hours per Patient Day (NHPPD)

Number of direct patient care hours worked by

- Registered Nurses RNs,
- Licensed Practical/Vocational Nurses LPN/LVNs and
- Unlicensed Assistive Personnel UAPs

per patient days in each critical care unit/location

NHSN Nurse Staffing Indicator

Numerator: Total number of direct patient care/productive hours worked by nursing staff with direct patient care responsibilities for critical care locations/units (locationType = CC) during the calendar month.

Direct patient care responsibilities must be >50% of the assigned shift

Excluded: Nursing care hours from non-critical care locations/units, emergency department, peri-operative unit, and obstetrics are excluded

Direct Patient Care (Include)

Patient-focused activities performed by nursing staff for patients on the same unit. These care activities also include tasks that are patient-related and may occur away from the patient, such as, but not limited to:

- Admission, transfer, discharge activities
- Post-discharge communication
- Care coordination
- Documentation time
- Medication administration
- Monitor patients during transport
- Nursing rounds

- Nursing treatments
- Patient communication
- Patient screening
- Patient teaching
- Tele-ICU care/ Tele-critical care
- Treatment planning
- Triage

Non-Direct Patient Care (Exclude)

Examples

- Budgeted/scheduled hours not worked, call-off
- Vacation, sick, other leave types
- Orientation, education, and committee time
- On-call hours without direct patient care provided

Nursing Hours per Patient Day (NHPPD)

Denominator: Total number of patient day count for each critical care location/unit during the calendar month. Patient day counts must be from the same unit in which nursing hours are reported.

 Patient day counts reported for device-associated modules will auto-populate the Monthly Survey

Excluded: Patient day counts from non-critical care locations/units, emergency department, peri-operative unit, and obstetrics are excluded.

Collection Form

Monthly Survey Patient Days & Nurse Staffing Hours

*required for saving

Facility ID:	*Month	*Year	

*NHSN Location Code	*Total# Productive RN Hours	*Total# Productive LPN/LVN Hours	*Total# Productive UAP Hours	*Total# Patient Days

Reporting Requirements

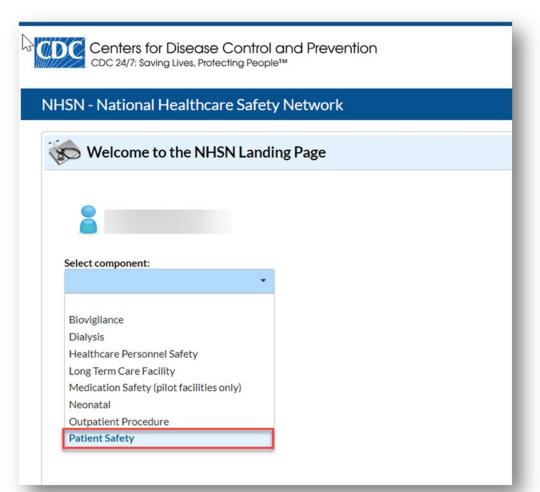
- Facility must be enrolled in NHSN
- Facility must commit to reporting NHPPD indicators for all critical care units
- Critical Care Units must be "mapped" in NHSN
- Ideally report at the end of the month for the previous month
- May enter data retrospectively (available starting for January 2023 forward)

"Mapping" Locations - Critical Care Units

- Chapter 15 of the Patient Safety Protocol
- NHSN Facility Administrator can validate and change locations
- https://www.cdc.gov/nhsn/pdfs/pscmanual/pcsmanual_current.pdf

Accessing the Patient Safety Component

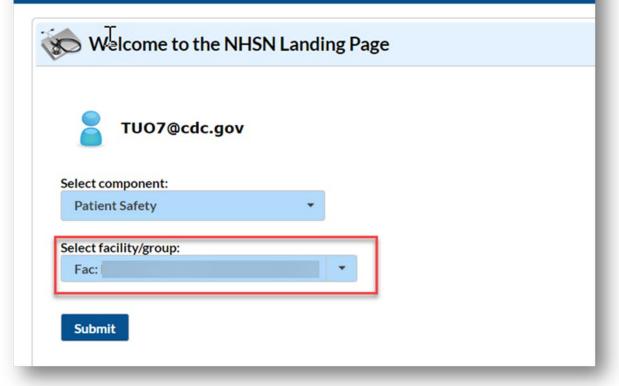
Reporting Process



Reporting Process



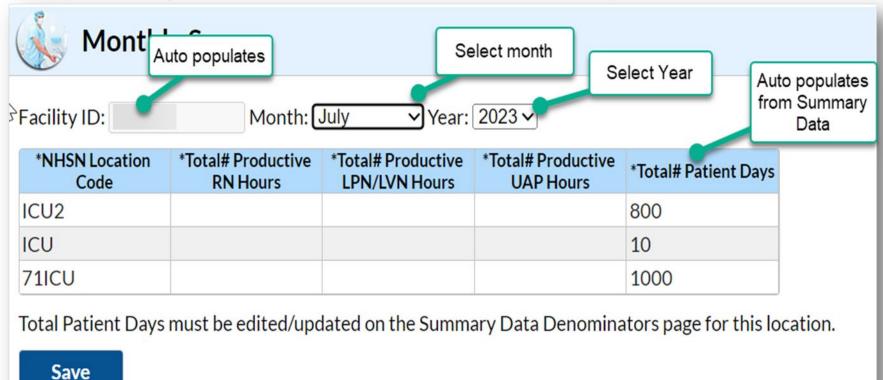
NHSN - National Healthcare Safety Network



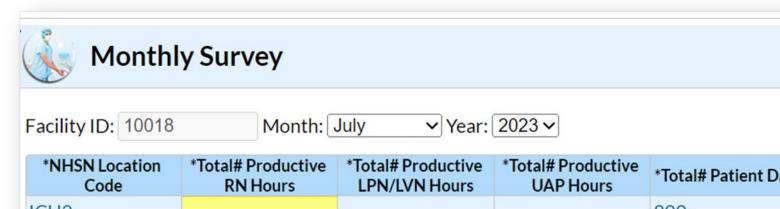
Reporting Process

NHSN - National Healthcare Safety Network (ps1150-95cf7b597-mx6xt:80) **NHSN Home NHSN Patient Safety Component Home Page** Alerts Dashboard Reporting Plan Patient Event Procedure Summary Data COVID-19 Import/Export Add Surveys Find Analysis Incomplete Users Monthly Facility

Reporting Process - Manual Data Entry



Reporting Process - Manual Data Entry



*NHSN Location Code	*Total# Productive RN Hours	*Total# Productive LPN/LVN Hours	*Total# Productive UAP Hours	*Total# Patient Days
ICU2				800
ICU				10
71ICU				1000

Total Patient Days must be edited/updated on the Summary Data Denominators page for this location.

Save

Reporting Process - CSV Upload

CSV Upload

Will be available starting at the end of October 2023.

Metrics: Nursing Hours Per Patient

 $ALL \ Nursing \ Staff \ Hours \ per \ Patient \ Days \ (NHPPD) = \frac{Total \ Number \ of \ Productive \ Hours \ Worked \ by \ ALL \ Nursing \ Staff}{Total \ Number \ of \ Patient \ Days}$

 $RNs\ Hours\ per\ Patient\ Days\ (RN-HPPD) = \frac{Total\ Number\ of\ Productive\ Hours\ Worked\ by\ RNs}{Total\ Number\ of\ Patient\ Days}$

 $LPNs/LVNs\ Hours\ per\ Patient\ Days\ (LPN/LVP-HPPD) = \frac{Total\ Number\ of\ Productive\ Hours\ Worked\ by\ LPNs/LVNs}{Total\ Number\ of\ Patient\ Days}$

 $\textit{UAP Hours per Patient Days (UAP-HPPD)} = \frac{\textit{Total Number of Productive Hours Worked by UAPs}}{\textit{Total Number of Patient Days}}$

Metrics: Percent of Productive Hours Worked by Nursing Type

Pct of total productive hrs. worked by RNs = $\frac{\text{Total Number of Productive Hours Worked by RNs}}{\text{Total Number of Productive Hours Worked by ALL Nursing Staff}} X 100$

 $Pct of total \ productive \ hrs. \ worked \ by \ LPNs = \frac{Total \ Number \ of \ Productive \ Hours \ Worked \ by \ LPNs/LVNs}{Total \ Number \ of \ Productive \ Hours \ Worked \ by \ ALL \ Nursing \ Staff} \ X \ 100$

Pct of total productive hrs. worked by UAPs = $\frac{\text{Total Number of Productive Hours Worked by UAPs}}{\text{Total Number of Productive Hours Worked by ALL Nursing Staff}} X 100$

Future Reporting Options

- Reporting option available September 9, 2023
- Early 2024 we will seek feedback from stakeholders
 - Assess experience with reporting these data
 - Understand how facilities plan to use these data
 - Obtain feedback for future expansion of these data elements
- Indicator available to all acute care facilities expected in 2024

Resources

- **Nurse Staffing Hours Indicator Protocol**
- Table of Instructions (TOI)
- Website (under construction)
- NHSN Locations (Chapter 15) https://www.cdc.gov/nhsn/pdfs/pscmanual/pcsmanual current.pdf

Thank you!

We appreciate your commitment to patient safety, and your partnership with NHSN!

For any questions or concerns, contact the NHSN Helpdesk at nhsn@cdc.gov



For more information please contact Centers for Disease Control and Prevention

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Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

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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.