

# **U.S. Healthcare Staffing And Scheduling Software Market Size, Share & Trends Analysis Report By Deployment Mode (Web-Based, Cloud-based, On-Premises, Mobile Installed), By Application (Time & Attendance, Scheduling), By End Use, And Segment Forecasts, 2025 - 2033**

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## **Abstracts**

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### Market Size & Trends

The U.S. healthcare staffing and scheduling software market size was estimated at USD 1.14 billion in 2024 and is projected to reach USD 3.12 billion by 2033, growing at a CAGR of 11.86% from 2025 to 2033. Growing demand for operational efficiency and cost containment, and rise of predictive and AI-drive scheduling are factors contributing to market growth. In addition, growing emphasis on compliance & credentialing and integration with core health IT systems are other factors propelling market growth further.

The ongoing nursing shortage in the U.S. is a significant driver of the growth of the healthcare staffing and scheduling software market. This shortage-driven by an aging population, rising patient volumes, and clinician burnout is creating widespread pressure on healthcare facilities to manage limited staff resources better while maintaining care quality and compliance. For instance, according to the data published by the American Association of Colleges of Nursing (AACN), federal authorities project a shortage of 78,610 full-time registered nurses (RNs) in 2025 and 63,720 in 2030.

Healthcare providers are constantly under pressure to deliver enhanced patient care. Efficient workforce scheduling significantly reduces labor costs, minimizes overtime, and limits the use of expensive staffing agencies. Software solutions that improve staffing accuracy, automate scheduling, verify licensure and credentials, and ensure compliance with labor laws help healthcare organizations cope with the limited nurse availability. Such systems reduce manual administrative burdens and enable dynamic scheduling that reduces overtime and prevents nurse fatigue, which is critical in retaining nurses and sustaining care standards. For instance, in April 2022, BookJane partnered with the Ohio Healthcare Association to address staffing shortages and improve care quality in Ohio.

Automated shift assignment and self-scheduling functionalities-now offered by the majority of leading vendors-enable administrators to optimize workforce deployment while ensuring shift coverage continuity. For instance, in March 2023, Connecteam introduced its all-in-one workforce management app, focusing on enhancing operations for deskless employees. The app features tools for time and attendance management, scheduling, and checklists, aiming to streamline communication and improve efficiency in workforce management for care organizations.

Moreover, there is a substantial market shift toward AI-enabled platforms capable of forecasting staffing needs based on historical trends, census data, and workload intensity. Companies such as Medecipher (a Snapcare company), Oracle HCM, Aya Healthcare, Inc., and OnShift stand out for their predictive analytics and workload-based staffing models. These capabilities improve planning accuracy and reduce last-minute staffing gaps, a significant cost and safety concern in healthcare settings.

Furthermore, seamless integration with existing hospital systems-such as EHRs, HRIS, payroll, and time-tracking tools-is a key factor in purchasing decisions. Vendors like Oracle, QGenda, and Symplr set themselves apart by providing strong integration features that allow real-time data exchange across platforms. This guarantees workforce decisions are based on current clinical and administrative data.

The following comparative benchmarking study evaluates market players to identify leaders, innovators, and emerging players based on key areas such as: AI and predictive analytics for smarter scheduling, mobile accessibility for staff convenience, integration with HR, EHR, and payroll systems, and real-time communication and compliance support.

## U.S. Healthcare Staffing And Scheduling Software Market Report Segmentation

This report forecasts revenue growth at country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. healthcare staffing and scheduling market report based on deployment mode, application, and end use:

Deployment Mode Outlook (Revenue, USD Million, 2021 - 2033)

Web-Based

Cloud-Based

On-Premises

Mobile Installed

Application Outlook (Revenue, USD Million, 2021 - 2033)

Time and Attendance

HR and Payroll

Scheduling

Talent Management

Reporting & Analytics

Others

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Healthcare Facilities

Home Care Settingsa

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