

U.S. Healthcare Information System Market Size, Share & Trends Analysis Report By Application (Revenue Cycle Management, Hospital Information System), By Deployment (Web-based, On-premise, Cloud-based), By Component, By End use, And Segment Forecasts, 2025 - 2033

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Abstracts

U.S. Healthcare Information System Market Summary

The U.S. healthcare information systems market size was estimated at USD 238.45 billion in 2024 and is projected to reach USD 678.39 billion by 2033, growing at a CAGR of 12.40% from 2025 to 2033. The increasing prevalence of chronic diseases in the country is driving the adoption of remote patient monitoring. This growing trend is anticipated to enhance the demand for IT solutions within the healthcare industry in the U.S. In addition, the industry is expected to experience growth driven by several advantages, including operational cost reductions, a decrease in medical errors, and enhanced patient outcomes. Moreover, supportive government initiatives aimed at developing healthcare infrastructure and integrating IT solutions into existing facilities are anticipated to further stimulate industry expansion during the forecast period.

The push for interoperability is a key driver in the U.S. healthcare information systems market. Providers, payers, and patients require seamless access to data across different systems to support care coordination. Regulations under the 21st Century Cures Act mandate the elimination of information blocking, further accelerating the need for interoperable platforms. Systems that enable data exchange between hospitals, diagnostic centers, ambulatory care, and insurers are becoming essential. Such regulatory and operational demand is driving upgrades to existing healthcare IT

infrastructures. For instance, in August 2025, Epic unveiled significant artificial intelligence (AI) features integrated into its electronic health record (EHR) platform, including AI-assisted charting to streamline documentation, Microsoft's Cosmos AI for enhanced risk prediction, and revenue cycle management (RCM) improvements. These advancements aim to boost clinical efficiency, optimize patient care, and improve financial workflows for healthcare providers.

U.S. Healthcare Information Systems 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 U.S. healthcare information systems market report based on application, deployment mode, component, and end use.

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

Hospital Information System

- Electronic Health Record

- Electronic Medical Record

- Real-time Healthcare

- Patient Engagement Solution

- Population Health Management

Pharmacy Automation Systems

- Medication Dispensing System

- Packaging & Labeling System

- Storage & Retrieval System

- Automated Medication Compounding System

- Tabletop Tablet Counters

Laboratory Informatics

Revenue Cycle Management

Medical Imaging Information System

Radiology Information Systems

Monitoring Analysis Software

Picture Archiving and Communication Systems

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

Web-based

On-premises

Cloud-based

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

Hardware

Software & Systems

Services

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

Hospitals & Ambulatory Services

Diagnostic Centers

Academic And Research Institutes

This report can be delivered to the clients within 3 Business Days

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