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# Healthcare Technology Management Market Size, Share & Trends Analysis Report By Technology Stack (Services, Software, Hardware, AI & Analytics), By Deployment Mode (On-premise, Cloud-based), By Functionality, By End-use, By Region, And Segment, 2025 - 2033

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## Abstracts

Healthcare Technology Management Market Summary

The global healthcare technology management market size was estimated at USD 5.23 billion in 2024 and is projected to reach USD 14.97 billion by 2033, growing at a CAGR of 12.6% from 2025 to 2033. Industry growth is driven by rising adoption of healthcare IT infrastructure, growing use of AI and predictive analytics, expansion of cloud-based solutions, and increasing deployment of IoT sensors and edge devices for real-time monitoring

The rapid expansion of healthcare IT infrastructure is fueling the growth of the healthcare technology management industry, as hospitals, clinics, and public health systems seek solutions to manage the rising complexity of connected medical devices, evolving regulatory frameworks, and the industry-wide transition toward patient-centric digital care models.

The rising integration of connected medical devices such as patient monitoring systems, infusion pumps, ventilators, and diagnostic imaging systems has made equipment management increasingly complex. Each device generates valuable performance and patient data, requiring structured management to ensure interoperability, uptime and cybersecurity. This uptick in connected devices drives hospitals to adopt healthcare

technology management (HTM) platforms for centralized monitoring and optimized performance.

Moreover, as healthcare systems transition from volume-based reimbursement to value-based care models, software/device uptime and reliability directly impact patient outcomes. Technology management solutions help providers maximize device utilization, reduce unnecessary capital expenditure on replacements, and align with advanced technology such as AI.

Furthermore, strengthening healthcare IT infrastructure with advanced technologies such as artificial intelligence (AI) is becoming a crucial driver for the expansion of HTM solutions. AI-driven computerized maintenance management system (CMMS) platforms are helping hospitals and health systems improve asset reliability, compliance, and patient safety results. According to an article published by Oxmaint Inc. in September 2025, hospitals using AI in healthcare operations saw:

50-70% reductions in facility management costs

40-60% improvements in system reliability

USD 1.2-3.5 million in annual savings through prevented failures

80-90% reduction in emergency interventions

These gains illustrate how AI-enabled infrastructure directly supports healthcare technology management functions such as predictive maintenance, regulatory reporting, and asset lifecycle management. As healthcare organizations continue to modernize IT systems with AI, IoT, and cloud-based platforms, the demand for integrated HTM solutions to handle connected devices, interoperability, and compliance will only grow.

Global Healthcare Technology Management Market Report Segmentation

This report forecasts revenue growth at global, regional, and 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 global healthcare technology management market report based on technology stack, deployment mode, functionality, end-use, and region.

Technology Stack Outlook (Revenue, USD Million, 2021 - 2033)

Software

Hardware

Services

AI & Analytics

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

Cloud-based (SaaS)

On-premise

Hybrid

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

Asset Tracking & Location Services (RTLS)

Utilization & Capacity Planning

Workorder Management & Technician Dispatch

Regulatory & Compliance Reporting

Costing & Chargeback / Cost Allocation

Performance Benchmarking & SLA Management

Spare Parts Forecasting & Automated Replenishment

Device Interoperability & Clinical Workflow Enablement

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

Hospitals

Ambulatory & Outpatient Centers

Diagnostic Imaging Centers & Labs

Long-term Care & Nursing Homes

Home Healthcare Providers

Clinical Research / CROs / Trial sites

Government & Public Health Facilities

Private Clinics / Specialty Centers

Medical Equipment Distributors / OEM Service Partners

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

North America

- U.S.
- Canada
- Mexico

Europe

- UK
- Germany
- France
- Italy
- Spain

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- Denmark
- Sweden
- Norway

Asia Pacific

- China
- Japan
- India
- South Korea
- Australia
- Thailand

Latin America

- Brazil
- Argentina

Middle East and Africa (MEA)

- South Africa
- Saudi Arabia
- UAE
- Kuwait

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# Contents

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## CHAPTER 5. HEALTHCARE TECHNOLOGY MANAGEMENT MARKET: DEPLOYMENT MODE ESTIMATES & TREND ANALYSIS



## CHAPTER 6. HEALTHCARE TECHNOLOGY MANAGEMENT MARKET: FUNCTIONALITY TYPE ESTIMATES & TREND ANALYSIS

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## CHAPTER 7. HEALTHCARE TECHNOLOGY MANAGEMENT MARKET: END USE ESTIMATES & TREND ANALYSIS



## CHAPTER 8. HEALTHCARE TECHNOLOGY MANAGEMENT MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

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**CHAPTER 9. COMPETITIVE LANDSCAPE**

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# List Of Tables

## LIST OF TABLES

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# List Of Figures

## LIST OF FIGURES

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