+357 96 030922
info@marketpublishers.com

Cloud Computing in Healthcare Market - Global Industry Size, Share, Trends, Opportunity and Forecast, Segmented By Application (Clinical Information Systems (PACS, RIS, LIS, EHR/EMR, Others), Non-Clinical Infor-mation Systems (APB, RCM, HIE, Financial Management Solutions, Others)), By Deployment Type (Public Cloud, Private Cloud, Hybrid Cloud), By Service Type (Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS)), By End Users (Healthcare Providers, Healthcare Payers) By Region & Competition, 2021-2031F

https://marketpublishers.com/r/CD997D6490AFEN.html
Date: January 2026
Pages: 185
Price: US$ 4,500.00 (Single User License)
ID: CD997D6490AFEN

Abstracts

The Global Cloud Computing in Healthcare Market is projected to expand from USD 65.06 Billion in 2025 to USD 157.94 Billion by 2031, achieving a CAGR of 15.93%. Cloud computing in this sector is characterized by the internet-based provision of IT resources, such as servers, databases, storage, and software, to enhance both clinical and administrative workflows. The market is chiefly driven by the urgent need to cut operational expenses and the rising demand for interoperability to facilitate smooth data sharing across various medical systems. Additionally, the industry's move toward value-based care requires infrastructure that is scalable enough to handle massive datasets for real-time patient analytics and remote monitoring.

Conversely, strict data privacy laws and security anxieties concerning the safety of

+357 96 030922
info@marketpublishers.com

sensitive health records present a major obstacle that could slow market growth. The difficulty of meeting compliance standards frequently delays the transfer of essential workloads to the cloud. Despite these challenges, investment in core technology remains strong. According to the College of Healthcare Information Management Executives, 88 percent of healthcare providers in 2024 identified digital infrastructure as a top investment priority, highlighting the sector's dependence on sturdy platforms to support modernization efforts.

Market Driver

The swift growth of telehealth and remote patient monitoring services has created a critical need for strong cloud-based platforms capable of sustaining real-time virtual consultations and continuous data transfer. Cloud infrastructure allows providers to scale these digital services quickly, ensuring connectivity between patients and clinicians across different geographies. This trend is highlighted by the increasing patient acceptance of virtual care; according to an October 2024 article by HealthArc on remote patient monitoring statistics, the number of patients preferring these systems reached 30 million in 2024. To support these operations, organizations are prioritizing environments with high uptime. CDW reported in 2024 that 63 percent of healthcare IT leaders view enhanced reliability and disaster recovery as the primary advantages of public cloud adoption, reinforcing the shift toward flexible, cloud-native solutions.

Additionally, the rising integration of big data analytics and artificial intelligence (AI) is boosting the demand for high-performance cloud computing. Modern healthcare generates vast amounts of unstructured data that legacy on-premise centers often struggle to process efficiently. Cloud platforms provide the computational power needed to train machine learning models and deploy applications that improve diagnostic accuracy. This technological necessity is evident in the sector's strategic investments. A June 2024 report by Royal Philips, the 'Future Health Index 2024', indicates that 85 percent of healthcare leaders are currently investing in or planning to adopt generative AI, demonstrating a broad commitment to utilizing cloud-driven intelligence for better patient outcomes.

Market Challenge

Rigorous data privacy mandates and security worries regarding sensitive health information act as a primary barrier to the growth of the global healthcare cloud computing market. Since healthcare organizations manage highly confidential patient data, they are frequent targets for cybercriminals, subjecting the industry to strict

+357 96 030922
info@marketpublishers.com

regulatory frameworks that demand robust data protection. The complexity of ensuring that cloud environments adhere to these compliance requirements often leads to extended evaluation phases and hesitation in moving mission-critical workloads from on-premise data centers to cloud infrastructure.

This reluctance is further fueled by the financial and reputational risks associated with potential data breaches in third-party environments. Instead of quickly adopting new cloud services, many providers focus their capital on strengthening existing defenses, which diverts funds away from market expansion. The tangible impact of these vulnerabilities is clear in recent operational disruptions; according to the American Hospital Association, 94 percent of hospitals reported a financial impact in 2024 due to cyberattacks on third-party healthcare technology platforms. These statistics validate the cautious approach taken by healthcare stakeholders, directly slowing the rate of cloud adoption across the industry.

Market Trends

The extensive adoption of hybrid and multi-cloud architectures is fundamentally transforming data management strategies to address sovereignty and compliance needs. This model enables institutions to keep sensitive patient records on private, localized infrastructure while utilizing the scalability of public clouds for non-sensitive tasks, thereby reducing risks related to data residency laws. The acceleration of this deployment model is measurable; according to Nutanix's 'Enterprise Cloud Index Report: Healthcare Industry Findings' from April 2024, healthcare adoption of the hybrid multicloud model increased by 10 percentage points, rising from 6 percent in 2023 to 16 percent in 2024. This shift underscores a deliberate move toward flexible IT environments that maintain regulatory compliance without sacrificing innovation.

Simultaneously, the implementation of FHIR-compliant interoperability frameworks is becoming the standard for seamless data exchange across cloud platforms. This technical evolution goes beyond simple digitization to ensure that distinct electronic health records and third-party applications can communicate effectively, breaking down persistent information silos. Major technology stakeholders are actively integrating these standards to support this ecosystem. In the 'State of FHIR Survey' published by Firely in July 2024, 79 percent of respondents noted that EHR vendors are adopting the FHIR standard, indicating a substantial increase in industry commitment. This trend confirms that cloud infrastructure is increasingly functioning as a unified fabric for real-time, standardized health data transmission.

+357 96 030922
info@marketpublishers.com

Key Market Players

Amazon Web Services

Microsoft Corporation

Google LLC

IBM Corporation

Oracle Corporation

Salesforce Inc.

Siemens Healthineers AG

Koninklijke Philips N.V.

Dell Technologies

athenahealth Inc.

Report Scope

In this report, the Global Cloud Computing in Healthcare Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Cloud Computing in Healthcare Market, By Application

Clinical Information Systems (PACS

RIS

LIS

EHR/EMR

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

- Canada
- Mexico

Europe

- France
- United Kingdom
- Italy
- Germany
- Spain

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea

South America

- Brazil
- Argentina
- Colombia

Middle East & Africa

+357 96 030922
info@marketpublishers.com

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Cloud Computing in Healthcare Market.

Available Customizations:

Global Cloud Computing in Healthcare Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

6. NORTH AMERICA CLOUD COMPUTING IN HEALTHCARE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

7. EUROPE CLOUD COMPUTING IN HEALTHCARE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC CLOUD COMPUTING IN HEALTHCARE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA CLOUD COMPUTING IN HEALTHCARE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA CLOUD COMPUTING IN HEALTHCARE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Cloud Computing in Healthcare Market - Global Industry Size, Share, Trends, Opportunity and Forecast, Segmented By Application (Clinical Information Systems (PACS, RIS, LIS, EHR/EMR, Others), Non-Clinical Infor-mation Systems (APB, RCM, HIE, Financial Management Solutions, Others)), By Deployment Type (Public Cloud, Private Cloud, Hybrid Cloud), By Service Type (Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS)), By End Users (Healthcare Providers, Healthcare Payers) By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/CD997D6490AFEN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/CD997D6490AFEN.html