

# **Healthcare Cloud Computing Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Software v/s Services), By Delivery Model (Software-As-A-Service (SaaS), Infrastructure-As-A-Service (IaaS), Platform-As-A-Service (PaaS)), By Deployment Mode (On-Premise v/s Cloud), By Pricing Model (Pay-As-You-Go v/s Spot Pricing Model), By Application (Clinical Information System v/s Non-Clinical Information System), By End User (Hospitals & Clinics, Pharmacies, Ambulatory Centers, Diagnostic Centers, Others), By Region & Competition, 2021-2031F**

<https://marketpublishers.com/r/HC8AF1FDA385EN.html>

Date: January 2026

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: HC8AF1FDA385EN

## **Abstracts**

The Global Healthcare Cloud Computing Market is projected to see substantial growth, expanding from USD 55.57 Billion in 2025 to USD 150.47 Billion by 2031 at a CAGR of 18.06%. Healthcare cloud computing involves using internet-based remote servers rather than on-premise infrastructure to store, manage, and process medical data and applications. This market expansion is primarily fueled by the demand for cost-effective scalability and the urgent need for interoperability among disjointed systems to facilitate real-time care collaboration. Recent industry figures support this reliance on digital infrastructure; the College of Healthcare Information Management Executives reported in 2024 that behavioral health telehealth services reached a 93% adoption rate, underscoring the heavy dependence on cloud-enabled platforms for patient care delivery.

Despite these strong growth factors, the market encounters major obstacles related to data security and privacy. Transferring sensitive patient health information to external cloud settings creates potential vulnerabilities, thereby increasing the risk of unauthorized access and data breaches. Consequently, the difficulty of adhering to strict regulatory standards while ensuring full data sovereignty presents a significant barrier. This complexity threatens to hinder the wider adoption of public and hybrid cloud models throughout the global healthcare sector.

### **Market Driver**

The incorporation of Artificial Intelligence and Big Data Analytics serves as a major driver for the Global Healthcare Cloud Computing Market, drastically transforming the processing and application of medical data. Healthcare entities aiming to implement sophisticated algorithms for precise diagnostics and automated administration depend heavily on the scalable storage and computational strength unique to cloud infrastructure. This technological evolution is spurring significant financial investment within the industry. For instance, the 'Future Health Index 2024' report by Philips in June 2024 indicated that 85% of healthcare leaders are actively investing in or intending to invest in generative AI, emphasizing the essential function of cloud-based intelligence in contemporary healthcare strategies.

Simultaneously, the demand for improved interoperability and collaboration across multiple sites is hastening the shift from disjointed on-premise systems to consolidated cloud platforms. While legacy systems frequently result in data silos that hinder care coordination, cloud solutions enable the smooth, real-time sharing of vital health data across various locations. The operational benefits of this connectivity are significant; the HIMSS 'State of Interoperability and Connected Care' report from March 2024 noted that 77% of healthcare leaders cited operational efficiency improvements as a primary result of effective interoperability technologies. Nevertheless, as these digital networks grow, data protection remains a critical concern, evidenced by ClearDATA's September 2024 report showing that 92% of organizations raised their cybersecurity budgets over the previous year to safeguard these expanding cloud environments.

### **Market Challenge**

Concerns surrounding data security and the privacy of sensitive patient information pose a major obstacle to the Global Healthcare Cloud Computing Market. As healthcare providers evaluate transferring proprietary records to external locations, the risk of cyber

threats and unauthorized entry generates considerable reluctance. This exposure often drives institutions to stick with legacy on-premise systems instead of adopting cloud solutions, given the severe financial and reputational consequences of data breaches. Furthermore, the difficulty of meeting strict regulatory requirements while preserving data sovereignty acts as a barrier to entry, hindering the widespread adoption of public and hybrid cloud frameworks.

The growing prevalence of disruptive security events in the industry further fuels this operational anxiety. In 2024, the American Medical Association reported that 80% of physicians experienced significant interruptions to their practice operations and patient care due to cyberattacks. These elevated levels of operational disruption justify the market's hesitation to confide critical data to third-party platforms. Consequently, when decision-makers balance these dangers against possible efficiency gains, fears of service interruptions and regulatory non-compliance frequently slow the pace of cloud implementation.

## **Market Trends**

The shift towards Hybrid and Multi-Cloud Infrastructure Strategies is quickly emerging as the standard architecture for healthcare entities aiming to reconcile data sovereignty with computational agility. In contrast to earlier cloud efforts that focused merely on storage migration, modern approaches utilize blended IT environments to enhance workload portability, keeping sensitive patient data compliant on private clouds while exploiting public cloud scalability for demanding applications. This strategic evolution is evident as institutions avoid vendor lock-in to ensure operational resilience. Nutanix's 'Enterprise Cloud Index' report from April 2024 highlights this trend, revealing that the adoption of hybrid multicloud models in healthcare rose from 6% in 2023 to 16% in 2024, signaling a strong preference for flexible infrastructures that meet varied technical and regulatory needs.

Simultaneously, the growth of Cloud-Native Telehealth and Virtual Care Platforms is advancing from simple video calls to complex "Hospital at Home" frameworks dependent on continuous remote monitoring. These systems leverage cloud integration to transmit real-time biometric data from patients' residences to clinical dashboards, thereby extending acute care services beyond physical hospital boundaries. The widespread regulatory and operational embrace of these decentralized care models confirms this trend. As noted by the American Hospital Association in April 2024, the Centers for Medicare & Medicaid Services approved over 320 hospitals within 133 health systems to provide acute care at home, confirming the industry's shift toward

scalable, cloud-backed remote care solutions.

## **Key Market Players**

IBM Corporation

Carestream Health Inc.

Athenahealth

CareCloud Corporation

Siemens Healthineers AG

eClinicalWorks

Koninklijke Philips N.V.

Allscripts Healthcare Solutions Inc.

GE Healthcare

NTT DATA Corporation

## **Report Scope**

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

Healthcare Cloud Computing Market, By Component

Software v/s Services

Healthcare Cloud Computing Market, By Delivery Model

Software-As-A-Service (SaaS)

Infrastructure-As-A-Service (IaaS)

Platform-As-A-Service (PaaS)

Healthcare Cloud Computing Market, By Deployment Mode

On-Premise v/s Cloud

Healthcare Cloud Computing Market, By Pricing Model

Pay-As-You-Go v/s Spot Pricing Model

Healthcare Cloud Computing Market, By Application

Clinical Information System v/s Non-Clinical Information System

Healthcare Cloud Computing Market, By End User

Hospitals & Clinics

Pharmacies

Ambulatory Centers

Diagnostic Centers

Others

Healthcare Cloud Computing Market, By Region

North America

United States

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

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

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

## **Available Customizations:**

Global Healthcare Cloud Computing 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).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### **4. VOICE OF CUSTOMER**

### **5. GLOBAL HEALTHCARE CLOUD COMPUTING MARKET OUTLOOK**

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Component (Software v/s Services)
  - 5.2.2. By Delivery Model (Software-As-A-Service (SaaS), Infrastructure-As-A-Service (IaaS), Platform-As-A-Service (PaaS))
  - 5.2.3. By Deployment Mode (On-Premise v/s Cloud)

- 5.2.4. By Pricing Model (Pay-As-You-Go v/s Spot Pricing Model)
- 5.2.5. By Application (Clinical Information System v/s Non-Clinical Information System)
- 5.2.6. By End User (Hospitals & Clinics, Pharmacies, Ambulatory Centers, Diagnostic Centers, Others)
- 5.2.7. By Region
- 5.2.8. By Company (2025)
- 5.3. Market Map

## **6. NORTH AMERICA HEALTHCARE CLOUD COMPUTING MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Component
  - 6.2.2. By Delivery Model
  - 6.2.3. By Deployment Mode
  - 6.2.4. By Pricing Model
  - 6.2.5. By Application
  - 6.2.6. By End User
  - 6.2.7. By Country
- 6.3. North America: Country Analysis
  - 6.3.1. United States Healthcare Cloud Computing Market Outlook
    - 6.3.1.1. Market Size & Forecast
      - 6.3.1.1.1. By Value
    - 6.3.1.2. Market Share & Forecast
      - 6.3.1.2.1. By Component
      - 6.3.1.2.2. By Delivery Model
      - 6.3.1.2.3. By Deployment Mode
      - 6.3.1.2.4. By Pricing Model
      - 6.3.1.2.5. By Application
      - 6.3.1.2.6. By End User
  - 6.3.2. Canada Healthcare Cloud Computing Market Outlook
    - 6.3.2.1. Market Size & Forecast
      - 6.3.2.1.1. By Value
    - 6.3.2.2. Market Share & Forecast
      - 6.3.2.2.1. By Component
      - 6.3.2.2.2. By Delivery Model
      - 6.3.2.2.3. By Deployment Mode
      - 6.3.2.2.4. By Pricing Model

- 6.3.2.2.5. By Application
- 6.3.2.2.6. By End User
- 6.3.3. Mexico Healthcare Cloud Computing Market Outlook
  - 6.3.3.1. Market Size & Forecast
    - 6.3.3.1.1. By Value
  - 6.3.3.2. Market Share & Forecast
    - 6.3.3.2.1. By Component
    - 6.3.3.2.2. By Delivery Model
    - 6.3.3.2.3. By Deployment Mode
    - 6.3.3.2.4. By Pricing Model
    - 6.3.3.2.5. By Application
    - 6.3.3.2.6. By End User

## **7. EUROPE HEALTHCARE CLOUD COMPUTING MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Component
  - 7.2.2. By Delivery Model
  - 7.2.3. By Deployment Mode
  - 7.2.4. By Pricing Model
  - 7.2.5. By Application
  - 7.2.6. By End User
  - 7.2.7. By Country
- 7.3. Europe: Country Analysis
  - 7.3.1. Germany Healthcare Cloud Computing Market Outlook
    - 7.3.1.1. Market Size & Forecast
      - 7.3.1.1.1. By Value
    - 7.3.1.2. Market Share & Forecast
      - 7.3.1.2.1. By Component
      - 7.3.1.2.2. By Delivery Model
      - 7.3.1.2.3. By Deployment Mode
      - 7.3.1.2.4. By Pricing Model
      - 7.3.1.2.5. By Application
      - 7.3.1.2.6. By End User
  - 7.3.2. France Healthcare Cloud Computing Market Outlook
    - 7.3.2.1. Market Size & Forecast
      - 7.3.2.1.1. By Value

- 7.3.2.2. Market Share & Forecast
  - 7.3.2.2.1. By Component
  - 7.3.2.2.2. By Delivery Model
  - 7.3.2.2.3. By Deployment Mode
  - 7.3.2.2.4. By Pricing Model
  - 7.3.2.2.5. By Application
  - 7.3.2.2.6. By End User
- 7.3.3. United Kingdom Healthcare Cloud Computing Market Outlook
  - 7.3.3.1. Market Size & Forecast
    - 7.3.3.1.1. By Value
  - 7.3.3.2. Market Share & Forecast
    - 7.3.3.2.1. By Component
    - 7.3.3.2.2. By Delivery Model
    - 7.3.3.2.3. By Deployment Mode
    - 7.3.3.2.4. By Pricing Model
    - 7.3.3.2.5. By Application
    - 7.3.3.2.6. By End User
- 7.3.4. Italy Healthcare Cloud Computing Market Outlook
  - 7.3.4.1. Market Size & Forecast
    - 7.3.4.1.1. By Value
  - 7.3.4.2. Market Share & Forecast
    - 7.3.4.2.1. By Component
    - 7.3.4.2.2. By Delivery Model
    - 7.3.4.2.3. By Deployment Mode
    - 7.3.4.2.4. By Pricing Model
    - 7.3.4.2.5. By Application
    - 7.3.4.2.6. By End User
- 7.3.5. Spain Healthcare Cloud Computing Market Outlook
  - 7.3.5.1. Market Size & Forecast
    - 7.3.5.1.1. By Value
  - 7.3.5.2. Market Share & Forecast
    - 7.3.5.2.1. By Component
    - 7.3.5.2.2. By Delivery Model
    - 7.3.5.2.3. By Deployment Mode
    - 7.3.5.2.4. By Pricing Model
    - 7.3.5.2.5. By Application
    - 7.3.5.2.6. By End User

## **8. ASIA PACIFIC HEALTHCARE CLOUD COMPUTING MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Component
  - 8.2.2. By Delivery Model
  - 8.2.3. By Deployment Mode
  - 8.2.4. By Pricing Model
  - 8.2.5. By Application
  - 8.2.6. By End User
  - 8.2.7. By Country
- 8.3. Asia Pacific: Country Analysis
  - 8.3.1. China Healthcare Cloud Computing Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Component
      - 8.3.1.2.2. By Delivery Model
      - 8.3.1.2.3. By Deployment Mode
      - 8.3.1.2.4. By Pricing Model
      - 8.3.1.2.5. By Application
      - 8.3.1.2.6. By End User
  - 8.3.2. India Healthcare Cloud Computing Market Outlook
    - 8.3.2.1. Market Size & Forecast
      - 8.3.2.1.1. By Value
    - 8.3.2.2. Market Share & Forecast
      - 8.3.2.2.1. By Component
      - 8.3.2.2.2. By Delivery Model
      - 8.3.2.2.3. By Deployment Mode
      - 8.3.2.2.4. By Pricing Model
      - 8.3.2.2.5. By Application
      - 8.3.2.2.6. By End User
  - 8.3.3. Japan Healthcare Cloud Computing Market Outlook
    - 8.3.3.1. Market Size & Forecast
      - 8.3.3.1.1. By Value
    - 8.3.3.2. Market Share & Forecast
      - 8.3.3.2.1. By Component
      - 8.3.3.2.2. By Delivery Model
      - 8.3.3.2.3. By Deployment Mode

- 8.3.3.2.4. By Pricing Model
- 8.3.3.2.5. By Application
- 8.3.3.2.6. By End User
- 8.3.4. South Korea Healthcare Cloud Computing Market Outlook
  - 8.3.4.1. Market Size & Forecast
    - 8.3.4.1.1. By Value
  - 8.3.4.2. Market Share & Forecast
    - 8.3.4.2.1. By Component
    - 8.3.4.2.2. By Delivery Model
    - 8.3.4.2.3. By Deployment Mode
    - 8.3.4.2.4. By Pricing Model
    - 8.3.4.2.5. By Application
    - 8.3.4.2.6. By End User
- 8.3.5. Australia Healthcare Cloud Computing Market Outlook
  - 8.3.5.1. Market Size & Forecast
    - 8.3.5.1.1. By Value
  - 8.3.5.2. Market Share & Forecast
    - 8.3.5.2.1. By Component
    - 8.3.5.2.2. By Delivery Model
    - 8.3.5.2.3. By Deployment Mode
    - 8.3.5.2.4. By Pricing Model
    - 8.3.5.2.5. By Application
    - 8.3.5.2.6. By End User

## **9. MIDDLE EAST & AFRICA HEALTHCARE CLOUD COMPUTING MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Component
  - 9.2.2. By Delivery Model
  - 9.2.3. By Deployment Mode
  - 9.2.4. By Pricing Model
  - 9.2.5. By Application
  - 9.2.6. By End User
  - 9.2.7. By Country
- 9.3. Middle East & Africa: Country Analysis
  - 9.3.1. Saudi Arabia Healthcare Cloud Computing Market Outlook

#### 9.3.1.1. Market Size & Forecast

##### 9.3.1.1.1. By Value

#### 9.3.1.2. Market Share & Forecast

##### 9.3.1.2.1. By Component

##### 9.3.1.2.2. By Delivery Model

##### 9.3.1.2.3. By Deployment Mode

##### 9.3.1.2.4. By Pricing Model

##### 9.3.1.2.5. By Application

##### 9.3.1.2.6. By End User

#### 9.3.2. UAE Healthcare Cloud Computing Market Outlook

##### 9.3.2.1. Market Size & Forecast

##### 9.3.2.1.1. By Value

##### 9.3.2.2. Market Share & Forecast

##### 9.3.2.2.1. By Component

##### 9.3.2.2.2. By Delivery Model

##### 9.3.2.2.3. By Deployment Mode

##### 9.3.2.2.4. By Pricing Model

##### 9.3.2.2.5. By Application

##### 9.3.2.2.6. By End User

#### 9.3.3. South Africa Healthcare Cloud Computing Market Outlook

##### 9.3.3.1. Market Size & Forecast

##### 9.3.3.1.1. By Value

##### 9.3.3.2. Market Share & Forecast

##### 9.3.3.2.1. By Component

##### 9.3.3.2.2. By Delivery Model

##### 9.3.3.2.3. By Deployment Mode

##### 9.3.3.2.4. By Pricing Model

##### 9.3.3.2.5. By Application

##### 9.3.3.2.6. By End User

## **10. SOUTH AMERICA HEALTHCARE CLOUD COMPUTING MARKET OUTLOOK**

### 10.1. Market Size & Forecast

#### 10.1.1. By Value

### 10.2. Market Share & Forecast

#### 10.2.1. By Component

#### 10.2.2. By Delivery Model

#### 10.2.3. By Deployment Mode

#### 10.2.4. By Pricing Model

- 10.2.5. By Application
- 10.2.6. By End User
- 10.2.7. By Country
- 10.3. South America: Country Analysis
  - 10.3.1. Brazil Healthcare Cloud Computing Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Component
      - 10.3.1.2.2. By Delivery Model
      - 10.3.1.2.3. By Deployment Mode
      - 10.3.1.2.4. By Pricing Model
      - 10.3.1.2.5. By Application
      - 10.3.1.2.6. By End User
  - 10.3.2. Colombia Healthcare Cloud Computing Market Outlook
    - 10.3.2.1. Market Size & Forecast
      - 10.3.2.1.1. By Value
    - 10.3.2.2. Market Share & Forecast
      - 10.3.2.2.1. By Component
      - 10.3.2.2.2. By Delivery Model
      - 10.3.2.2.3. By Deployment Mode
      - 10.3.2.2.4. By Pricing Model
      - 10.3.2.2.5. By Application
      - 10.3.2.2.6. By End User
  - 10.3.3. Argentina Healthcare Cloud Computing Market Outlook
    - 10.3.3.1. Market Size & Forecast
      - 10.3.3.1.1. By Value
    - 10.3.3.2. Market Share & Forecast
      - 10.3.3.2.1. By Component
      - 10.3.3.2.2. By Delivery Model
      - 10.3.3.2.3. By Deployment Mode
      - 10.3.3.2.4. By Pricing Model
      - 10.3.3.2.5. By Application
      - 10.3.3.2.6. By End User

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

## **13. GLOBAL HEALTHCARE CLOUD COMPUTING MARKET: SWOT ANALYSIS**

## **14. PORTER'S FIVE FORCES ANALYSIS**

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

## **15. COMPETITIVE LANDSCAPE**

- 15.1. IBM Corporation
  - 15.1.1. Business Overview
  - 15.1.2. Products & Services
  - 15.1.3. Recent Developments
  - 15.1.4. Key Personnel
  - 15.1.5. SWOT Analysis
- 15.2. Carestream Health Inc.
- 15.3. Athenahealth
- 15.4. CareCloud Corporation
- 15.5. Siemens Healthineers AG
- 15.6. eClinicalWorks
- 15.7. Koninklijke Philips N.V.
- 15.8. Allscripts Healthcare Solutions Inc.
- 15.9. GE Healthcare
- 15.10. NTT DATA Corporation

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Healthcare Cloud Computing Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Software v/s Services), By Delivery Model (Software-As-A-Service (SaaS), Infrastructure-As-A-Service (IaaS), Platform-As-A-Service (PaaS)), By Deployment Mode (On-Premise v/s Cloud), By Pricing Model (Pay-As-You-Go v/s Spot Pricing Model), By Application (Clinical Information System v/s Non-Clinical Information System), By End User (Hospitals & Clinics, Pharmacies, Ambulatory Centers, Diagnostic Centers, Others), By Region & Competition, 2021-2031F

Product link: <https://marketpublishers.com/r/HC8AF1FDA385EN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/HC8AF1FDA385EN.html>