

Global Edge Computing in Healthcare Market Size Study, by Offering (Hardware, Software, Services), by Application (Robotic Surgery, Diagnostics, Remote Patient Monitoring and Telehealth, Others), by End User (Hospitals and Clinics, Ambulatory Centers, Nursing Homes and Home Care, Others), and Regional Forecasts 2022-2032

https://marketpublishers.com/r/G73534A396D7EN.html

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G73534A396D7EN

Abstracts

Global Edge Computing in Healthcare Market was valued at approximately USD 5.29 billion in 2023 and is projected to grow at a robust CAGR of 26.38% over the forecast period 2024-2032. Edge computing in healthcare revolutionizes data management by processing data from Internet of Things (IoT) devices for various applications such as asset tracking, environmental monitoring, and equipment maintenance. This innovation optimizes hospital efficiency, minimizes downtime, and significantly enhances patient safety by managing electronic health records (EHRs), allowing physicians to access patient data securely and promptly. Such integration streamlines healthcare workflows, improving patient care and the accuracy of diagnoses and treatment plans.

The Global Edge Computing in Healthcare Market is driven by surge in chronic diseases necessitates effective remote patient monitoring solutions. Edge computing meets this demand by efficiently handling and transmitting data from wearable devices and medical sensors, thereby empowering healthcare professionals to manage chronic conditions more effectively. Furthermore, government initiatives and funding aimed at healthcare digitization, telehealth expansion, and the adoption of EHRs are bolstering the need for edge computing infrastructure. These initiatives strive to modernize healthcare delivery, enhancing accessibility and the quality of care. Moreover, integration of edge computing with ai and machine learning are anticipated to create



lucrative opportunities for the market. However, high initial cost and data security concerns is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Edge Computing in Healthcare Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, Asia-Pacific is anticipated to witness substantial growth during the forecast period. Edge computing is transforming patient-centric healthcare in this region by enabling real-time data processing for continuous remote monitoring of patients. This facilitates healthcare providers in delivering more personalized care plans, ensuring timely interventions and improved patient outcomes. The telemedicine landscape in Asia-Pacific is expanding, with edge computing playing a pivotal role. By enabling seamless video consultations, remote diagnostics, and secure data transmission, edge computing is enhancing healthcare accessibility, particularly in remote and underserved areas. Additionally, it allows rapid analysis and transfer of large image files from diagnostic devices such as X-rays, MRIs, and CT scans, leading to swift and accurate diagnoses and treatments. Furthermore, the market in North America emerged as the largest region owing to advanced healthcare infrastructure and technological adoption.

Major market players included in this report are:

Advantech

Amazon Web Services (AWS)

Aruba Networks

Cisco Systems, Inc.

Dell Technologies, Inc.

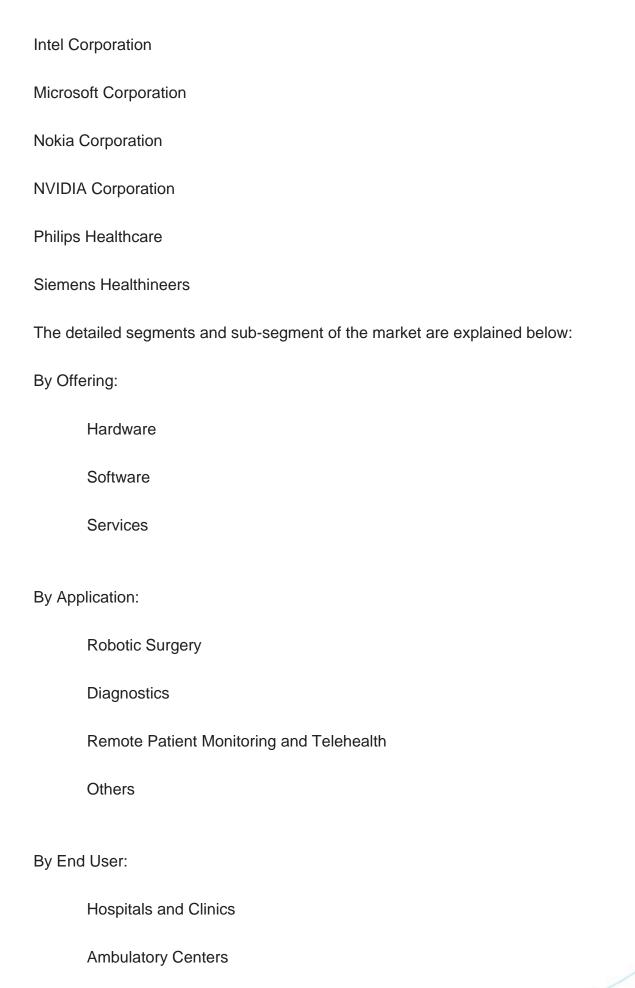
General Electric Company

Google LLC

Hewlett Packard Enterprise Company

IBM







Nursin	ng Homes and Home Care
Others	3
D D :	
By Region:	
North America	3
U.S.	
Canad	da
Europe	
UK	
Germa	any
France	е
Spain	
Italy	
ROE	
Asia Pacific	
China	
India	
Japan	
Austra	alia







Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market



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