

# 5G In Healthcare Market 2024 Growing Trends, Cutting-Edge Technology, Limitations and Risks, Key Regulatory | Tata Elxsi

5G in healthcare market is estimated to be valued at USD 2.72 Bn in 2024 and is expected to reach USD 22.60 Bn by 2031, exhibiting a (CAGR) of 35.3% .

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/EINPresswire.com/ -- Market Overview:

5G technology enables remote patient monitoring and healthcare delivery through applications such as digital consultation, surgery, and diagnostics. 5G facilitates high-quality video calls and allows real-time exchange of patient health data between doctors and nurses.

## Market Dynamics:

The growing demand for remote patient monitoring and the need to provide improved healthcare access in remote areas are expected to drive the growth of the 5G in healthcare market during the forecast period. Remote patient monitoring allows continuous monitoring of vital signs like blood pressure, glucose levels, and heart rate from outside the hospital with the help of wearable medical devices. This reduces hospital visits and frees up hospital beds. Additionally, 5G networks deliver ultra-low latency and high bandwidth, which enable real-time remote diagnostics and treatment through applications such as telehealth and telemedicine. This is expected to further fuel the adoption of 5G in the healthcare industry.

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Moreover, it will also include the opportunities available in micro markets for stakeholders to invest, a detailed analysis of the competitive landscape, and product services of key players. Analysis of 5G In Healthcare companies, key tactics followed by Leading Key Players:



- Ericsson
- Telit
- Verizon
- Cisco
- Orange S.A.
- Tata Elxsi
- NEC Corporation
- AT&T Inc.
- Fibocom Wireless Inc.
- BT Group
- Huawei Technologies Co., Ltd.,
- SK Telecom Co., Ltd.,
- GE Healthcare

## Segment Details Analysis

By Component: Hardware, Software, Services

By Application: Remote Patient Monitoring, Connected Medical Devices, Telemedicine, Others

By End User: Healthcare Providers and Healthcare Payers

## 5G In Healthcare Market Drivers, Restrain, Opportunity And Trends

Increasing Digitalization of Healthcare Systems is Driving the 5G in Healthcare Market

The healthcare industry is increasingly adopting digital technologies like telehealth, remote patient monitoring and connected medical devices to improve patient care and clinical workflow efficiency. 5G networks with their high speed, low latency and massive connectivity capabilities are well positioned to support these digital healthcare platforms and applications. As more healthcare providers integrate digital solutions into their operations, the demand for high performance networking infrastructure like 5G will continue to rise in the coming years.

Rising Demand for Mobile Health Solutions is Propelling Market Growth

MHealth or mobile health has emerged as an important segment in the digital healthcare space. With the proliferation of smartphones and tablets, more and more patients are using these devices to access healthcare services remotely through apps and connectivity. 5G networks will allow hospital to deploy advanced mobile health carts with high-resolution monitors, augmented reality systems and smart sensors without lags or delays. This will help expand telehealth programs and improve patient care outside traditional facilities. The growing prominence of mHealth is acting as a major driver for 5G adoption in the healthcare sector.

## Security and Privacy Concerns Could Hamper Market Expansion

Even as 5G improves healthcare connectivity and data sharing, there are valid concerns about security vulnerabilities and patient privacy issues. Healthcare data breaches can expose sensitive medical records and compromise treatment. Advanced 5G networks transferring massive data in real-time also increase the risk of cyber-attacks. Stringent regulations around data protection and lack of consensus on security protocols may discourage some hospitals from fully embracing 5G architectures, at least in the short term. Resolving security challenges will be critical for unlocking the market's true potential.

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## Adoption of Edge Computing Presents Revenue Opportunities

Edge computing refers to processing data close to the source of generation as opposed to in centralized cloud data centers. In healthcare, edge computing and 5G can be used together to support mission-critical applications requiring ultra-low latency like tele-surgery, AR/VR medical training and remote triaging. The combination of these technologies will allow handling data and cognitive workloads locally at healthcare facilities, doctor's offices or hospital wings. This reduces response times and network strain. Vendors offering converged edge/5G solutions tailored for healthcare can gain an edge in this evolving field.

## Innovation in Ambulatory Surgery Centers is a Notable Market trend

Ambulatory surgery centers or ASCs are modern medical facilities focused on providing same-day surgical care without hospital admittance. With advancements in minimally invasive techniques, more complex procedures are being performed in ASCs, leading to their rising popularity. 5G-powered ASCs can capitalize on technologies like AR surgical guidance systems, autonomous robots, AI-driven diagnostics and hybrid operating rooms. Establishing 5G-enabled smart infrastructure will help ASCs deliver improved outcomes through innovations while controlling costs. Their growth points to wider sector-wide trends of healthcare moving toward an outpatient model.

The Study Objectives are:

A comprehensive insight into key players operating in the 5G In Healthcare Market and their corresponding data.

It includes product portfolio, annual revenue, expenditure on research and development, geographical presence, key developments in recent years, and growth strategies.

Regional analysis, which includes insight into the dominant market and corresponding market share.

It also includes various socio-economic factors affecting the evolution of the market in the region.

The report offers a comprehensive insight into different individuals from value chains such as raw materials suppliers, distributors, and stockholders.

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Market scenario 2024

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Key Questions Answered:

What is the market size and CAGR of the 5G In Healthcare Market during the forecast period?

How is the growing demand impacting the growth of 5G In Healthcare Market shares?

What is the growing demand of the Market during the forecast period?

Who are the leading vendors in the market and what are their market shares?

What is the impact of the COVID-19 pandemic on the APAC 5G In Healthcare Market?

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