

Medical Telepresence Robots Market Size, Share & Trends Analysis Report By Type (Stationary, Mobile), By Component (Camera, Display), By End-use, By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/MFDD4AB929B6EN.html>

Date: October 2024

Pages: 120

Price: US\$ 5,950.00 (Single User License)

ID: MFDD4AB929B6EN

Abstracts

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Medical Telepresence Robots Market Growth & Trends

The global medical telepresence robots market size is expected to reach USD 224.9 million by 2030, registering a CAGR of 18.8% from 2025 to 2030, according to a new report by Grand View Research, Inc. In the healthcare sector, telepresence robots assist in several tasks, such as remote visiting, patient monitoring, delivering food and medicines, connecting physicians and nurses for medical assistance, and reminding patients to take medicines on time. For example, Amy Robotics offers AMY A1, a Customizable Telepresence Robot used in a hospital environment.

Furthermore, the growth of the market is attributed to the introduction of technologically advanced products, the rise in the adoption of telepresence robots, and growing investment in the healthcare sector. For instance, in January 2022, Intuitive India introduced Intuitive Telepresence (ITP), a remote observation technology for surgical cases. The ITP uses its proprietary technology that permits real-time exchange of audio and video between the operating surgeon and remote observer. This HIPAA-compliant technology offers a safe and secure platform for distance learning on the da Vinci Robotic platform.

Moreover, government initiatives and investment in research & development in AI and robotics drive innovation and attract new market players. The increase in the number of

market players offering modern and innovative solutions and a greater emphasis on R&D in response to changing requirements has resulted in the introduction of innovative solutions, further impacting market growth. For instance, in January 2023, the European Commission (EC) and national funding agencies invested USD 64.28 million to test and validate innovative AI and robotics solutions for the healthcare industry and accelerate their pathway to market. This project is known as a Testing and Experimentation Facility for Health AI and Robotics (TEF-Health).

Telepresence robots in healthcare facilitate virtual communication among patients, doctors, medical students, and therapists worldwide. They enable doctors and patients to communicate through HD video and audio. Patients can consult with doctors and discuss their health concerns in real-time. Telepresence robots enable the delivery of medical education using audiovisual recording and live streaming, which includes training for surgery, clinical pathology, and other academic communications. For instance, the University Hospital Center of Clermont Ferrand & Acte Auvergne Association is equipped with telepresence robots.

Medical Telepresence Robots Market Report Highlights

The mobile segment dominated the market in 2024 and is expected to witness the fastest growth at a CAGR of 19.4% over the forecast period.

The camera segment dominated the market in 2024 and held the largest revenue share of 22.3%. The camera enhances remote communication through features such as clarity and visualization.

The hospitals & assisted living facilities segment dominated the market in 2024. The expansion of healthcare infrastructure and the deployment of technologically advanced telepresence robots in hospitals that enable effective teleconsultation and monitoring through two-way communication from any location are key drivers behind boosting segment growth.

North America medical telepresence robots market dominated globally in 2024 with the largest revenue share of 40.2%. This large share is attributed to the presence of favorable government initiatives and highly developed healthcare infrastructure.

The medical telepresence robots market in the Asia Pacific region is anticipated to witness the fastest CAGR globally over the forecast period.

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