

# **Global CyberKnife Market Size Study, By Application (Tumor, Cancer, Vascular Malformation), By End-use (Hospitals, Outpatient Facilities, Research & Manufacturing), and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global CyberKnife Market is valued at approximately USD 542.01 million in 2023 and is expected to expand at a compound annual growth rate (CAGR) of 17.6% during the forecast period 2024-2032. CyberKnife, an advanced robotic radiosurgery system, is revolutionizing cancer treatment by providing non-invasive, highly precise radiation therapy for various conditions, including tumors, vascular malformations, and other critical medical conditions. The growing preference for non-surgical alternatives to conventional tumor removal procedures has fueled market growth, alongside continuous technological advancements enhancing the precision and efficiency of CyberKnife systems.

The increasing global prevalence of cancer remains a primary driver of the CyberKnife market. Factors such as rising tobacco and alcohol consumption, sedentary lifestyles, and increasing exposure to environmental carcinogens contribute significantly to the surge in cancer cases worldwide. Additionally, heightened awareness about early-stage cancer detection and treatment, coupled with the rising demand for personalized and targeted therapies, has led to greater adoption of CyberKnife technology in hospitals and outpatient facilities.

The non-invasive nature of CyberKnife treatment offers several advantages, including minimal recovery time, reduced trauma, and lower hospital admissions, making it a highly preferred alternative to traditional surgical interventions. Additionally, the integration of artificial intelligence (AI) and robotics into radiation therapy is significantly enhancing treatment accuracy and optimizing radiation dosage to reduce collateral

damage to healthy tissues. New product launches, such as the CyberKnife S7 FIM Robotic Radio Surgery System, are further accelerating market growth by offering enhanced operational efficiency and treatment flexibility.

Geographically, North America dominates the market, driven by a high prevalence of chronic diseases, advanced healthcare infrastructure, and strong government investments in cancer treatment technologies. The United States accounts for a significant share due to the presence of leading radiation oncology centers, favorable reimbursement policies, and increased adoption of outpatient cancer treatment modalities. Meanwhile, Europe and the Asia-Pacific regions are witnessing substantial growth, with increasing healthcare investments, growing awareness about non-invasive cancer treatments, and improvements in radiation therapy accessibility. The Latin American market is also emerging as a high-growth region, driven by rising cancer incidence rates and expanding healthcare infrastructure in countries such as Brazil and Argentina.

#### Major Market Players Included in this Report:

Accuray Incorporated

Koninklijke Philips

Advanced Micro Devices

AiCure

Arm Limited

Atomwise, Inc.

Ayasdi AI LLC

Baidu, Inc.

Clarifai, Inc.

Cyrcadia Health

Enlitic, Inc.

Varian Medical Systems

Siemens Healthineers

Elekta AB

ViewRay, Inc.

The Detailed Segments and Sub-Segments of the Market are Explained Below:

By Application:

Tumor

Cancer

Vascular Malformation

Others

By End-use:

Hospitals

Outpatient Facilities

Research & Manufacturing

By Region:

North America

U.S.

Canada

Mexico

## Europe

UK

Germany

France

Italy

Spain

Denmark

Sweden

Norway

Rest of Europe

## Asia Pacific

China

India

Japan

Australia

South Korea

Thailand

Rest of Asia Pacific

Latin America

Brazil

Argentina

Rest of Latin America

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032

Annualized revenues and regional-level analysis for each market segment

Competitive landscape with information on major players in the market

Analysis of key business strategies and recommendations for future market approach

Demand-side and supply-side analysis of the market

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