

Radiotherapy Devices Market Outlook Highlights Strategic Opportunities Across The Industry

*The Business Research Company's
Radiotherapy Devices Market Report 2026
– Market Size, Trends, And Global
Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED
KINGDOM, August 25, 2026
/EINPresswire.com/ -- "The

[radiotherapy devices industry](#) has been

experiencing robust growth, driven by advancements in cancer treatment technologies and increasing cancer incidence worldwide. This trend is expected to continue as healthcare providers adopt more sophisticated solutions to enhance patient outcomes. Let's explore the current market size, growth drivers, regional leadership, and key trends shaping the future of this important healthcare segment.

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Steady Market Expansion in the Radiotherapy Devices Sector

The [radiotherapy devices market](#) has witnessed significant growth recently, with its value projected to rise from \$6.64 billion in 2025 to \$7.21 billion in 2026. This represents a compound annual growth rate (CAGR) of 8.6%. The expansion during this period has been fueled by an increase in global cancer cases, the development of oncology treatment facilities, wider adoption of external beam radiation therapies, improvements in linear accelerator technologies, and greater accessibility to advanced radiotherapy methods.

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Future Growth Outlook for Radiotherapy Devices

Looking ahead, the market is anticipated to grow strongly, reaching \$10.18 billion by 2030 at a CAGR of 9.0%. This expected growth is attributed to a rising demand for personalized cancer therapies, greater investments in proton therapy centers, the integration of AI-assisted oncology workflows, a stronger emphasis on reducing radiation side effects, and ongoing innovations in radiation delivery systems. Key trends likely to influence the market include increased use of

image-guided radiation therapy, broader application of proton therapy, expansion of AI-enabled treatment planning, growth in stereotactic radiation techniques, and improvements in precision dose delivery.

Understanding the Role of Radiotherapy Devices in Cancer Care

Radiotherapy devices are crucial in cancer management as they utilize high doses of radiation to target and destroy cancer cells while sparing healthy tissues. These devices apply methods such as external beam radiation and brachytherapy to shrink tumors and inhibit cancer progression. Their role is vital in both primary and adjunctive cancer treatment strategies, helping to improve patient outcomes across various cancer types.

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https://www.thebusinessresearchcompany.com/report/radiotherapy-devices-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Primary Factors Driving Demand for Radiotherapy Devices Globally

A major driver for the radiotherapy devices market is the rising prevalence of cancer worldwide. Cancer prevalence indicates the total number of people diagnosed with cancer at a given time or over a certain period. Radiotherapy is frequently used either as the main treatment or alongside other therapies to reduce tumor size, control cancer growth, or eliminate cancer cells pre- or post-surgery. For instance, in July 2024, data from the Australian Institute of Health and Welfare revealed an increase in cancer diagnoses in Australia, from 160,570 cases in 2022 to 164,694 in 2023. This trend highlights the growing burden of cancer and consequently boosts demand for radiotherapy technologies.

Regional Leadership in the Radiotherapy Devices Market by 2026

In 2025, North America held the largest share of the [global radiotherapy devices market](#), maintaining its position as a key regional leader. Asia-Pacific was ranked second in terms of market size. The comprehensive market report covers regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing valuable insights into regional dynamics and growth opportunities.

New additions to our 2026 reports:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

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