

Radiation Oncology Market Size, Trends, Analysis, and Outlook By Type (External Beam Radiation Therapy, Internal Beam Radiation Therapy), By External Beam Radiation Therapy (Linear Accelerators, Compact advanced radiotherapy systems, Proton Therapy), By Internal Beam Radiation Therapy (Brachytherapy, Systemic Beam Radiation Therapy, Others), By Technology (External Beam Radiation Therapy), By Application (External Beam Radiation Therapy, Internal Beam Radiation Therapy), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Radiation Oncology market size is poised to register 10.37% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Radiation Oncology market across By Type (External Beam Radiation Therapy, Internal Beam Radiation Therapy), By External Beam Radiation Therapy (Linear Accelerators, Compact advanced radiotherapy systems, Proton Therapy), By Internal Beam Radiation Therapy (Brachytherapy, Systemic Beam Radiation Therapy, Others), By Technology (External Beam Radiation Therapy), By Application (External Beam Radiation Therapy, Internal Beam Radiation Therapy).

The Radiation Oncology Market is witnessing growth driven by increasing incidence of

cancer, rising demand for radiation therapy as a primary or adjuvant treatment modality, and advancements in radiation delivery techniques and equipment. Radiation oncology encompasses a variety of external beam and brachytherapy treatments aimed at targeting and destroying cancer cells while minimizing damage to surrounding healthy tissues. Key trends include the development of advanced radiation therapy systems such as intensity-modulated radiation therapy (IMRT) and stereotactic radiosurgery (SRS) for precise tumor targeting and dose delivery, integration of image-guided radiation therapy (IGRT) and adaptive radiation therapy (ART) techniques for real-time treatment monitoring and adjustment, and customization of treatment plans for individual patient anatomy and tumor characteristics. Moreover, increasing adoption of proton therapy and particle beam therapy, expansion of radiation oncology services and cancer treatment centers, and regulatory approvals for novel radiation therapy technologies contribute to market growth.

Radiation Oncology Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Radiation Oncology market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Radiation Oncology survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Radiation Oncology industry.

Key market trends defining the global Radiation Oncology demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Radiation Oncology Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Radiation Oncology industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook

across segments to support Radiation Oncology companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Radiation Oncology industry

Leading Radiation Oncology companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Radiation Oncology companies.

Radiation Oncology Market Study- Strategic Analysis Review

The Radiation Oncology market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Radiation Oncology Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Radiation Oncology industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Radiation Oncology Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Radiation Oncology Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Radiation Oncology market segments. Similarly, Strong end-user demand is encouraging Canadian Radiation Oncology companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Radiation Oncology market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Radiation Oncology Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Radiation Oncology industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Radiation Oncology market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Radiation Oncology Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Radiation Oncology in

Asia Pacific. In particular, China, India, and South East Asian Radiation Oncology markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Radiation Oncology Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Radiation Oncology Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Radiation Oncology market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Radiation Oncology.

Radiation Oncology Market Company Profiles

The global Radiation Oncology market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Accuray Inc, Becton, Dickinson and Company, Curium, Elekta AB, IBA Radiopharma Solutions, Isoray Inc, Mevion Medical Systems, Nordion Inc, NTP Radioisotopes SOC Ltd, Varian Medical Systems Inc, ViewRay Technologies Inc

Recent Radiation Oncology Market Developments

The global Radiation Oncology market study presents recent market news and

developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Radiation Oncology Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

External Beam Radiation Therapy

Internal Beam Radiation Therapy

By External Beam Radiation Therapy

Linear Accelerators

Compact advanced radiotherapy systems

-Cyberknife

-Gamma Knife

-Tomotherapy

Proton Therapy

-Cyclotron

-Synchrotron

By Internal Beam Radiation Therapy

Brachytherapy

-Seeds

-Applicators and After loaders

-Electronic Brachytherapy

Systemic Beam Radiation Therapy

Others

By Technology

External Beam Radiation Therapy

-Image-Guided Radiotherapy

-Intensity Modulated Radiotherapy

-Stereotactic Technology

-Proton Beam Therapy

-3D Conformal Radiotherapy

-Volumetric Modulated Arc Therapy

Brachytherapy

-Low-Dose Rate Brachytherapy

-High-Dose Rate Brachytherapy

By Application

External Beam Radiation Therapy

-Prostate Cancer

-Breast Cancer

-Lung Cancer

-Head and Neck Cancer

-Colorectal Cancer

-Others

Internal Beam Radiation Therapy

-Prostate Cancer

-Gynecological Cancer

-Cervical Cancer

-Breast Cancer

-Penile Cancer

-Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Accuray Inc

Becton, Dickinson and Company

Curium

Elekta AB

IBA Radiopharma Solutions

Isoray Inc

Mevion Medical Systems

Nordion Inc

NTP Radioisotopes SOC Ltd

Varian Medical Systems Inc

ViewRay Technologies Inc

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Radiation Oncology Market Overview and Key Findings, 2024
- 1.2 Radiation Oncology Market Size and Growth Outlook, 2021- 2030
- 1.3 Radiation Oncology Market Growth Opportunities to 2030
- 1.4 Key Radiation Oncology Market Trends and Challenges
 - 1.4.1 Radiation Oncology Market Drivers and Trends
 - 1.4.2 Radiation Oncology Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Radiation Oncology Companies

2. RADIATION ONCOLOGY MARKET SIZE OUTLOOK TO 2030

- 2.1 Radiation Oncology Market Size Outlook, USD Million, 2021- 2030
- 2.2 Radiation Oncology Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. RADIATION ONCOLOGY MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. RADIATION ONCOLOGY MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Type
 - External Beam Radiation Therapy
 - Internal Beam Radiation Therapy
 - By External Beam Radiation Therapy

Linear Accelerators

Compact advanced radiotherapy systems

- Cyberknife

- Gamma Knife

- Tomotherapy

Proton Therapy

- Cyclotron

- Synchrotron

By Internal Beam Radiation Therapy

Brachytherapy

- Seeds

- Applicators and After loaders

- Electronic Brachytherapy

Systemic Beam Radiation Therapy

Others

By Technology

External Beam Radiation Therapy

- Image-Guided Radiotherapy

- Intensity Modulated Radiotherapy

- Stereotactic Technology

- Proton Beam Therapy

- 3D Conformal Radiotherapy

- Volumetric Modulated Arc Therapy

Brachytherapy

- Low-Dose Rate Brachytherapy

- High-Dose Rate Brachytherapy

By Application

External Beam Radiation Therapy

- Prostate Cancer

- Breast Cancer

- Lung Cancer

- Head and Neck Cancer

- Colorectal Cancer

- Others

Internal Beam Radiation Therapy

- Prostate Cancer

- Gynecological Cancer

- Cervical Cancer

- Breast Cancer

-Penile Cancer

-Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Radiation Oncology Market, 2025

5.2 Asia Pacific Radiation Oncology Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Radiation Oncology Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Radiation Oncology Market, 2025

5.5 Europe Radiation Oncology Market Size Outlook by Type, 2021- 2030

5.6 Europe Radiation Oncology Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Radiation Oncology Market, 2025

5.8 North America Radiation Oncology Market Size Outlook by Type, 2021- 2030

5.9 North America Radiation Oncology Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Radiation Oncology Market, 2025

5.11 South America Pacific Radiation Oncology Market Size Outlook by Type, 2021- 2030

5.12 South America Radiation Oncology Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Radiation Oncology Market, 2025

5.14 Middle East Africa Radiation Oncology Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Radiation Oncology Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Radiation Oncology Market Size Outlook and Revenue Growth Forecasts

6.2 US Radiation Oncology Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Radiation Oncology Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Radiation Oncology Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Radiation Oncology Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Radiation Oncology Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

- 6.12 UK Radiation Oncology Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Radiation Oncology Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Radiation Oncology Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Radiation Oncology Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Radiation Oncology Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Radiation Oncology Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Radiation Oncology Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Radiation Oncology Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Radiation Oncology Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Radiation Oncology Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Radiation Oncology Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Radiation Oncology Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Radiation Oncology Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Radiation Oncology Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Radiation Oncology Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Radiation Oncology Industry Drivers and Opportunities

7. RADIATION ONCOLOGY MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. RADIATION ONCOLOGY COMPANY PROFILES

8.1 Profiles of Leading Radiation Oncology Companies in the Market

8.2 Business Descriptions, SWOT Analysis, and Growth Strategies

8.3 Financial Performance and Key Metrics

Accuray Inc

Becton, Dickinson and Company

Curium

Elekta AB

IBA Radiopharma Solutions

Isoray Inc

Mevion Medical Systems

Nordion Inc

NTP Radioisotopes SOC Ltd

Varian Medical Systems Inc

ViewRay Technologies Inc

9. APPENDIX

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

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