

Radiotherapy Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global radiotherapy market size reached US\$ 6.2 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 8.4 Billion by 2027, exhibiting a growth rate (CAGR) of 5.53% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Radiotherapy, also known as radiation therapy, is used to slow down the growth of cancer cells and shrink tumors. It destroys the genetic material of cancer cells using high-energy particles or waves, such as x-rays, gamma rays, electron beams, or protons. It can be combined with other cancer treatments, such as surgery, chemotherapy, and immunotherapy, to improve their effectiveness. At present, it is offered to patients depending on their cancer type, size and location of the tumor, medical history, and age and medical conditions.

Radiotherapy Market Trends:

The rising prevalence of cancer on account of unhealthy dietary patterns, lack of physical activities, growing air pollution, and the increasing number of alcohol and tobacco consumption represents one of the key factors strengthening the growth of the market. Moreover, the risk of developing cancer rises dramatically with age as the tendency for cellular repair is less effective in older individuals. As a result, the rising geriatric population across the globe is acting as another significant growth-inducing factor. Apart from this, the development of effective, low-cost, and easy-to-use radiotherapy products is bolstering the growth of the market growth. In addition, modern radiotherapy techniques, such as three-dimensional (3D) conformal, intensity-modulated, and image-guided, deliver a lower dose of radiation to healthy tissues while

a higher dose to the tumor. They also improve organ-at-risk (OAR) sparing and provide no physical sensation to patients. This is increasing their adoption in multiple applications and settings in chronic disease treatment, which, in turn, is catalyzing the demand for radiotherapy around the world. Furthermore, the market is projected to experience growth on account of the rising healthcare expenditure in both emerging and developed economies.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global radiotherapy market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type, application and end user.

Breakup by Type:

- External Beam Radiation Therapy
- Intensity-Modulated Radiation Therapy (IMRT)
- Image-Guided Radiation Therapy (IGRT)
- Tomotherapy
- Stereotactic Radiosurgery
- Stereotactic Body Radiation Therapy
- Proton Therapy
- 3D Conformal Radiotherapy (3D CRT)
- Volumetric Modulated Arc Therapy (VMAT)
- Internal Radiation Therapy/Brachytherapy
- Systemic Radiation Therapy

Breakup by Application:

- Skin and Lip Cancer
- Head and Neck Cancer
- Breast Cancer
- Prostate Cancer
- Cervical Cancer
- Lung Cancer
- Others

Breakup by End User:

Hospitals
Cancer Research Institutes
Ambulatory and Radiotherapy Centers

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Accuray Incorporated, Becton Dickinson and Company, Eckert & Ziegler, Elekta AB (publ), General Electric Company, Hitachi Ltd, Ion Beam Applications, Isoray Inc., Mevion Medical Systems Inc., Nordion Inc. (Sotera Health) and Siemens Healthineers AG (Siemens AG).

Key Questions Answered in This Report:

How has the global radiotherapy market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global radiotherapy market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global radiotherapy market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL RADIOTHERAPY MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 External Beam Radiation Therapy
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 Intensity-Modulated Radiation Therapy (IMRT)
 - 6.1.2.2 Image-Guided Radiation Therapy (IGRT)
 - 6.1.2.3 Tomotherapy
 - 6.1.2.4 Stereotactic Radiosurgery

- 6.1.2.5 Stereotactic Body Radiation Therapy
- 6.1.2.6 Proton Therapy
- 6.1.2.7 3D Conformal Radiotherapy (3D CRT)
- 6.1.2.8 Volumetric Modulated Arc Therapy (VMAT)
- 6.1.3 Market Forecast
- 6.2 Internal Radiation Therapy/Brachytherapy
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Systemic Radiation Therapy
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Skin and Lip Cancer
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Head and Neck Cancer
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Breast Cancer
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Prostate Cancer
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Cervical Cancer
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Lung Cancer
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 7.7 Others
 - 7.7.1 Market Trends
 - 7.7.2 Market Forecast

8 MARKET BREAKUP BY END USER

- 8.1 Hospitals

- 8.1.1 Market Trends
- 8.1.2 Market Forecast
- 8.2 Cancer Research Institutes
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Ambulatory and Radiotherapy Centers
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Accuray Incorporated
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 Becton Dickinson and Company
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Eckert & Ziegler
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials

- 14.3.4 Elekta AB (publ)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
- 14.3.5 General Electric Company
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis
- 14.3.6 Hitachi Ltd
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
- 14.3.7 Ion Beam Applications
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
- 14.3.8 Isoray Inc.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
- 14.3.9 Mevion Medical Systems Inc.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Nordion Inc. (Sotera Health)
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 SWOT Analysis
- 14.3.11 Siemens Healthineers AG (Siemens AG)
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Radiotherapy Market: Key Industry Highlights, 2021 and 2027

Table 2: Global: Radiotherapy Market Forecast: Breakup by Type (in Million US\$), 2022-2027

Table 3: Global: Radiotherapy Market Forecast: Breakup by Application (in Million US\$), 2022-2027

Table 4: Global: Radiotherapy Market Forecast: Breakup by End User (in Million US\$), 2022-2027

Table 5: Global: Radiotherapy Market Forecast: Breakup by Region (in Million US\$), 2022-2027

Table 6: Global: Radiotherapy Market: Competitive Structure

Table 7: Global: Radiotherapy Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Radiotherapy Market: Major Drivers and Challenges

Figure 2: Global: Radiotherapy Market: Sales Value (in Billion US\$), 2016-2021

Figure 3: Global: Radiotherapy Market Forecast: Sales Value (in Billion US\$), 2022-2027

Figure 4: Global: Radiotherapy Market: Breakup by Type (in %), 2021

Figure 5: Global: Radiotherapy Market: Breakup by Application (in %), 2021

Figure 6: Global: Radiotherapy Market: Breakup by End User (in %), 2021

Figure 7: Global: Radiotherapy Market: Breakup by Region (in %), 2021

Figure 8: Global: Radiotherapy (External Beam Radiation Therapy) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 9: Global: Radiotherapy (External Beam Radiation Therapy) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 10: Global: Radiotherapy (Internal Radiation Therapy/Brachytherapy) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 11: Global: Radiotherapy (Internal Radiation Therapy/Brachytherapy) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 12: Global: Radiotherapy (Systemic Radiation Therapy) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 13: Global: Radiotherapy (Systemic Radiation Therapy) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 14: Global: Radiotherapy (Skin and Lip Cancer) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 15: Global: Radiotherapy (Skin and Lip Cancer) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 16: Global: Radiotherapy (Head and Neck Cancer) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 17: Global: Radiotherapy (Head and Neck Cancer) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 18: Global: Radiotherapy (Breast Cancer) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 19: Global: Radiotherapy (Breast Cancer) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 20: Global: Radiotherapy (Prostate Cancer) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 21: Global: Radiotherapy (Prostate Cancer) Market Forecast: Sales Value (in

Million US\$), 2022-2027

Figure 22: Global: Radiotherapy (Cervical Cancer) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 23: Global: Radiotherapy (Cervical Cancer) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 24: Global: Radiotherapy (Lung Cancer) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 25: Global: Radiotherapy (Lung Cancer) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 26: Global: Radiotherapy (Other Applications) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 27: Global: Radiotherapy (Other Applications) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 28: Global: Radiotherapy (Hospitals) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 29: Global: Radiotherapy (Hospitals) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 30: Global: Radiotherapy (Cancer Research Institutes) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 31: Global: Radiotherapy (Cancer Research Institutes) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 32: Global: Radiotherapy (Ambulatory and Radiotherapy Centers) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 33: Global: Radiotherapy (Ambulatory and Radiotherapy Centers) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 34: North America: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 35: North America: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 36: United States: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 37: United States: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 38: Canada: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 39: Canada: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 40: Asia-Pacific: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 41: Asia-Pacific: Radiotherapy Market Forecast: Sales Value (in Million US\$),

2022-2027

Figure 42: China: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 43: China: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 44: Japan: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 45: Japan: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 46: India: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 47: India: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 48: South Korea: Radiotherapy Market: Sales Value (in Million US\$), 2016 &
2021

Figure 49: South Korea: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 50: Australia: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 51: Australia: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 52: Indonesia: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 53: Indonesia: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 54: Others: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 55: Others: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 56: Europe: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 57: Europe: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 58: Germany: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 59: Germany: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 60: France: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 61: France: Radiotherapy Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 62: United Kingdom: Radiotherapy Market: Sales Value (in Million US\$), 2016 &
2021

Figure 63: United Kingdom: Radiotherapy Market Forecast: Sales Value (in Million
US\$), 2022-2027

Figure 64: Italy: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 65: Italy: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 66: Spain: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 67: Spain: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 68: Russia: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 69: Russia: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 70: Others: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 71: Others: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 72: Latin America: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 73: Latin America: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 74: Brazil: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 75: Brazil: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 76: Mexico: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 77: Mexico: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 78: Others: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 79: Others: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 80: Middle East and Africa: Radiotherapy Market: Sales Value (in Million US\$), 2016 & 2021

Figure 81: Middle East and Africa: Radiotherapy Market: Breakup by Country (in %), 2021

Figure 82: Middle East and Africa: Radiotherapy Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 83: Global: Radiotherapy Industry: SWOT Analysis

Figure 84: Global: Radiotherapy Industry: Value Chain Analysis

Figure 85: Global: Radiotherapy Industry: Porter's Five Forces Analysis

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