

Radiation Dose Management Market by Offering (Product: Integrated, Standalone; Services), Modality (CT, Mammography, NM), Revenue Model (Pay-Per Procedure, Annual Purchase), Application (Oncology, Cardiology, Ortho), End User - Global Forecast to 2028

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Abstracts

The global radiation dose management market is projected to reach USD 654 million by 2028 from USD 343 million in 2023, at a CAGR of 13.8% from 2023 to 2028. The growth of the market is driven by a rising incidence of chronic diseases and growing concerns regarding radiation dose exposure. The market also benefits from a growing installed base of radiology equipment across healthcare facilities, reflecting the increasing reliance on diagnostic imaging procedures. Additionally, the surge in awareness regarding radiation dose management practices contributes to market growth. On the other hand, the lack of standardized procedures and dose protocols for radiation dose management for healthcare organizations is a major market challenge.

“Radiation dose management solutions segment to witness the highest growth during the forecast period.”

Based on product & service, the radiation dose management market is segmented into radiation dose management solutions and radiation dose management services (support & maintenance services, implementation & integration services, consulting services, and education & training services). The radiation dose management solutions segment is further sub segmented into standalone solution and integrated solutions. The integrated solution is projected to grow at the highest CAGR during the forecast period, as these solutions offer a comprehensive and streamlined approach in managing radiation doses. Moreover, the increasing complexity of healthcare systems and the integration of various technologies within medical facilities, seamless

communication with diverse imaging modalities and electronic health records, real-time data exchange, enables healthcare providers to monitor and manage radiation doses more effectively. As the radiation dose management solutions continues to evolve, the integration solutions remain a cornerstone, contributing substantially to the market's growth and efficacy.

“Fluoroscopy and interventional imaging segment to register the highest growth in the radiation dose management market during the forecast period.”

Based on modality, the radiation dose management market is segmented into computed tomography (CT), fluoroscopy and interventional imaging, radiography, mammography, and nuclear medicine. The fluoroscopy and interventional imaging segment are projected to witness the highest growth in the radiation dose management market during the forecast period. The increasing demand for these procedures, is driven by a rising incidence of cardiovascular diseases and an aging population. As fluoroscopic and interventional techniques inherently involve prolonged exposure to ionizing radiation, posing potential risks to both patients and healthcare professionals; there is an increasing focus on implementing advanced radiation dose management solutions to optimize imaging protocols, monitor radiation doses in real-time, and ensure adherence to safety guidelines. Additionally technological advancements in imaging systems, increasing focus on radiation safety and regulatory compliance within the healthcare industry fuel the demand for effective radiation dose management solutions in this segment.

“APAC is estimated to register the highest CAGR during the forecast period.”

In this report, the radiation dose management market is segmented into five major regional segments, namely, North America, Europe, Asia Pacific, Latin America and Middle East and Africa. The market in APAC is projected to register the highest growth rate during the forecast period. The growth of the market in this region is attributed to the increasing focus on interventional radiology and nuclear medicine, as well as the rising cases of cancer that demand radiation therapy. Furthermore, the increasing number of government initiatives and regulations to ensure patient safety and reduce radiation exposure is expected to drive the growth of the radiation dose management market in the APAC region.

Breakdown of supply-side primary interviews, by company type, designation, and region:

By Company Type: Tier 1 (20%), Tier 2 (45%), and Tier 3 (35%)

By Designation: C-level (30%), Director-level (20%), and Others (50%)

By Region: North America (35%), Europe (24%), Asia Pacific (25%), Latin America and Middle East Africa (16%)

List of Companies Profiled in the Report

Bayer AG (Germany)

GE Healthcare (US)

Philips Healthcare (Netherlands)

Siemens Healthcare (Germany)

FUJIFILM Holdings Corporation (Japan)

Canon Inc. (Japan)

PACSHealth, LLC (US)

Sectra AB (Sweden)

Bracco Imaging S.P.A. (Italy)

Qaelum N.V. (Belgium)

Agfa Healthcare (Belgium)

Novarad Corporation (US)

Medic Vision (US)

Guerbet (France)

Medsquare (France)

INFINITT Healthcare Co. Ltd. (South Korea)

Volpara Helath Limited. (New Zealand)

Medic Vision (Israel)

Imalogix (US)

Dedalus S.P.A (Italy)

Nanjing Perlove Medical Equipment CO., LTD. (China)

Mirion Technologies, Inc. (US)

Landauer (US)

Polimaster (Austria)

Fortive (US).

Research Coverage

This report studies the radiation dose management market based on product & services, modality, mode of deployment, revenue model, application end user and region. The report also analyses factors (such as drivers, opportunities and challenges) affecting market growth. It evaluates the opportunities and challenges in the market for stakeholders and provides details of the competitive landscape for market leaders. The report also studies micro markets with respect to their growth trends, prospects, and contributions to the total radiation dose management market. The report forecasts the revenue of the market segments with respect to four major regions.

Reasons to Buy the Report

This report also includes

Analysis of key drivers (increasing use of medical imaging modalities due to growing burden of chronic diseases, growing concerns over radiation exposure,

growing installation base of radiology equipment, growing awareness about radiation dose management) , challenges (lack of benchmarking for dose optimization across the globe), opportunities (growing focus on interventional radiology and nuclear medicine, radiation dose management for paediatric procedures) contributing the growth of the radiation dose management market.

Product Development/Innovation: Detailed insights on upcoming trends, research & development activities, and new software launches in the radiation dose management market.

Market Development: Comprehensive information on the lucrative emerging markets, product and service, mode of deployment, application, revenue model, modalities, application, end-user and region.

Market Diversification: Exhaustive information about the software portfolios, growing geographies, recent developments, investments in the radiation dose management market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, product offerings, company evaluation quadrant, and capabilities of leading players in the global Patient Engagement Market.

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14.1.17 NANJING PERLOVE MEDICAL EQUIPMENT CO., LTD.

TABLE 272 NANJING PERLOVE MEDICAL EQUIPMENT CO., LTD.: COMPANY OVERVIEW

14.1.18 VOLPARA HEALTH LIMITED.

TABLE 273 VOLPARA HEALTH LIMITED: COMPANY OVERVIEW

FIGURE 52 VOLPARA HEALTH LIMITED: COMPANY SNAPSHOT (2022)

TABLE 274 VOLPARA HEALTH LIMITED: DEALS

14.1.19 MIRION TECHNOLOGIES, INC.

TABLE 275 MIRION TECHNOLOGIES, INC.: COMPANY OVERVIEW

14.2 OTHER PLAYERS

14.2.1 IMALOGIX

14.2.2 LANDAUER

14.2.3 RAYSEARCH LABORATORIES

14.2.4 I-SOLUTIONS HEALTH GMBH

14.2.5 MEDIGRATION

14.2.6 TECNOLOGIE AVANZATE

*Details on Business Overview, Products/Services/Solutions Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

5 APPENDIX

15.1 DISCUSSION GUIDE

15.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

15.3 CUSTOMIZATION OPTIONS

15.4 RELATED REPORTS

15.5 AUTHOR DETAILS

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