

Global Radiation Dose Management Market Size study & Forecast, by Product & Services (Standalone Solutions, Integrated Solutions, Services), by Modality (Computed Tomography, Fluoroscopy and Interventional Imaging, Nuclear Medicine, Radiography and Mammography), by End User (Ambulatory Care Settings, Hospital, Other End Users), and Regional Analysis, 2023-2030.

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Abstracts

Global Radiation Dose Management Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than 15% over the forecast period 2023-2030. Radiation Dose Management is a crucial component of medical imaging and healthcare practices. It involves the systematic monitoring, tracking, and optimization of the radiation doses administered to patients during various medical procedures, particularly those involving ionizing radiation, such as X-rays and CT scans. The primary aim of radiation dose management is to ensure that patients receive the necessary diagnostic or therapeutic radiation while minimizing their exposure to radiation to the lowest achievable levels. This is essential to maintain patient safety, reduce the risk of radiation-induced harm, and comply with regulatory guidelines. The market growth is driven by key factors such as increasing use of medical imaging modalities due to the growing burden of chronic diseases, growing concerns over radiation exposure and growing installation base of radiology equipment and growing focus on interventional radiology and nuclear medicine.

Internationally, there is a growing trend in the utilization of interventional radiology and nuclear medicine procedures due to their remarkable imaging capabilities. These

procedures involve the application of significantly higher radiation doses to patients, and their extended duration can elevate the potential cancer risk in individuals undergoing them. For instance, the Society of Nuclear Medicine reports that approximately 20 million nuclear medicine procedures are conducted annually in the United States. Additionally, the World Nuclear Association highlights that over 10,000 hospitals worldwide incorporate radioisotopes in medical applications, with 90% of these radioisotope procedures serving diagnostic purposes, resulting in market growth. In addition, rising adoption of radiation dose management for pediatric procedures and growing concerns over radiation exposure is creating new opportunities for the market growth. However, Lack of benchmarking for dose optimization across the globe is hindering the market growth.

The key regions considered for the Global Radiation Dose Management Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. In which, North America held the domination market share for radiation dose management. The high adoption of HCIT technologies and the existence of strong regulatory criteria regarding patient safety are all factors that contribute to North American market growth. However, Asia Pacific is anticipated to be fastest growing region due to rising disease prevalence, rising investment in the industry, rising technological advancement.

Major market player included in this report are:

Bayer AG

Bracco Imaging SpA

Fujifilm Holdings Corporation

GE Healthcare

Koninklijke Philips N.V.

Medsquare

Novarad Corporation

PACShealth LLC

Qaelum NV

Sectra AB

Recent Developments in the Market:

In December 2020, The FDA granted the ControlRad gadget commercial cath lab approval in, and it is retrofitted to X-ray machinery in the catheterization lab. It produces a certain kind of aperture that collimates the visible image area. The cardiologist regulates the aperture to narrow or widen the field of vision on the X-ray, lowering the radiation dose required to produce the images, using a touchpad attached to the table side rail. With gloves on, it functions.

Global Radiation Dose Management Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered -Product & Services, Modality, End User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product and Services:

Standalone Solution

Integrated Solution

Services

By Modality:

Computed Tomography

Fluoroscopy and Interventional Imaging

Nuclear Medicine

Radiography and Mammography

By End User:

Ambulatory Care Settings

Hospital

Other End Users

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

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Rest of Middle East & Africa

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