

Oncology Information Systems Market Report by Product and Services (Software, Services), Application (Radiation Oncology, Medical Oncology, Surgical Oncology), End User (Hospitals and Diagnostic Imaging Centers, Ablation Care Centers and Cancer Care Centers, Government Institutions, Research Facilities), and Region 2024-2032

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Abstracts

The global oncology information systems market size reached US\$ 4.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 6.9 Billion by 2032, exhibiting a growth rate (CAGR) of 6.26% during 2024-2032.

Oncology information systems (OIS) refers to a comprehensive information and image management solution that is designed for diagnosing, optimizing patient profile, and identifying suitable therapy for cancer to improve survival rate. They involve screening, prevention, analysis, treatment, and palliative care. As compared to conventional techniques, oncology systems offer remote access, planned treatment, future prediction, and proper management of clinical and non-clinical acquired data. Apart from this, OIS assists in keeping track of diagnostic details and treatment patterns, on account of which they are extensively employed in clinics, laboratories, hospitals, and research centers.

Oncology Information Systems Market Trends:

The oncology information systems market is majorly being driven by the increasing prevalence of cancer, especially amongst the rising geriatric population, due to the rising consumption of tobacco-based products and evolving lifestyles. OIS maintains electronic health records (EHR), which further assists in improving patient-based

services, generating new insights into disease mechanism, detecting the early spread of the disease, and providing better treatment options. In line with this, significant technological advancements, such as the integration of blockchain and artificial intelligence (AI) to mitigate the errors of paper-based record creation, prescriptions, and treatment plans, is acting as another growth-inducing factor. Additionally, governments of various countries are extensively funding in the research and development (R&D) departments to introduce remote oncology information systems, which enables healthcare practitioners to perform long-term monitoring of cancer through mobile applications, without being physically present with the patient. This, in turn, has intensified their adoption across the healthcare sector, particularly during the ongoing coronavirus disease (COVID-19) and the consequent implementation of mandatory lockdowns. Other factors, such as growing consumer awareness regarding the availability of cancer monitoring systems and the escalating uptake of OIS to perform immunotherapy and radiation therapy, are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global oncology information systems market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product and services, application and end user.

Breakup by Product and Services:

- Software
 - Patient Information Systems
 - Treatment Planning Systems
- Services
 - Consulting Services
 - Implementation Services
 - Maintenance Services

Breakup by Application:

- Radiation Oncology
- Medical Oncology
- Surgical Oncology

Breakup by End User:

Hospitals and Diagnostic Imaging Centers
Ablation Care Centers and Cancer Care Centers
Government Institutions
Research Facilities

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, Advanced Data Systems, Cerner Corporation (Oracle Corporation), CureMD Healthcare, Elekta, EndoSoft LLC (Utech Products Inc.), F. Hoffmann-La Roche Ltd, Koninklijke Philips N.V., McKesson Corporation, OPTUM Inc. (United Healthcare Services Inc.), RaySearch Laboratories

and Varian Medical Systems Inc.

Key Questions Answered in This Report

1. What was the size of the global oncology information systems market in 2023?
2. What is the expected growth rate of the global oncology information systems market during 2024-2032?
3. What are the key factors driving the global oncology information systems market?
4. What has been the impact of COVID-19 on the global oncology information systems market?
5. What is the breakup of the global oncology information systems market based on the product and services?
6. What is the breakup of the global oncology information systems market based on the application?
7. What is the breakup of the global oncology information systems market based on the end user?
8. What are the key regions in the global oncology information systems market?
9. Who are the key players/companies in the global oncology information systems market?

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