

Oncology Information Systems Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global oncology information systems market size reached US\$ 3.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.6 Billion by 2028, exhibiting a growth rate (CAGR) of 7.1% during 2023-2028.

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 2023-2028. 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:

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

What has been the impact of COVID-19 on the global oncology information systems market?

What are the key regional markets?

What is the breakup of the market based on the product and services?

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 oncology information systems market and who are the key players?

What is the degree of competition in the industry?

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