

Oncology Information System Market to Reach USD 5.1 Bn by 2031 Driven by Digital Cancer Care, Says Mordor Intelligence

Oncology Information System Market to register a CAGR of 8.21% during 2026–2031, with North America leading the global market.

HYDERABAD, TELANGANA, INDIA, August 11, 2026 /EINPresswire.com/ -- According to Mordor Intelligence, the [oncology information system market size](#) is estimated at USD 3.48 billion in 2026 and is projected to reach USD 5.17 billion by 2031, expanding at a CAGR of 8.21% during the forecast period (2026–2031). The market continues to benefit from the rising incidence of cancer, increasing demand for integrated oncology workflows, and growing adoption of digital healthcare infrastructure. Interoperability requirements, cloud-hosted oncology platforms, and the integration of artificial intelligence into clinical workflows are supporting demand across hospitals, oncology clinics, and research and academic centers. The report highlights that healthcare providers are increasingly seeking systems that can support treatment planning, data exchange, multidisciplinary care, and longitudinal patient management.

Oncology Information System Market Key Growth Factors

Rising Incidence of Cancer Worldwide

The growing global burden of cancer is increasing demand for systems capable of managing clinical, administrative, and treatment-related information across complex care pathways. Oncology workflows increasingly incorporate multiple sources of patient information, creating demand for integrated platforms that support multidisciplinary teams and long-term cancer care.

Government Funding for Oncology IT Modernization

Public-sector investment in cancer informatics and healthcare IT modernization is supporting the adoption of advanced oncology information systems. Initiatives focused on standardized oncology data, cancer registries, and integrated care infrastructure are encouraging healthcare organizations to strengthen digital systems supporting cancer diagnosis, treatment, and follow-up.

Interoperability and Cloud-Based Oncology Platforms

Interoperability requirements are encouraging oncology providers to adopt systems capable of exchanging information across clinical environments and healthcare applications. At the same time, cloud-hosted platforms are gaining traction among oncology networks and clinics seeking scalable infrastructure and more flexible access to oncology information.

"As oncology care becomes increasingly data-driven and interconnected, decision-makers benefit from research grounded in transparent sourcing, consistent validation, and balanced market assessment. Mordor Intelligence applies a structured methodology designed to provide a dependable view of market developments, competitive activity, and key factors influencing future demand," says Soumya Goud, Senior Research Manager, Mordor Intelligence.

Oncology Information System Market Recent Industry Developments

June 21, 2026: Researchers from Stanford Medicine and collaborators introduced VISTA Architect, an AI architecture demonstrated in multidisciplinary thoracic oncology tumor boards. The work focuses on integrating longitudinal electronic health records and clinical documentation to support oncology workflows.

April 24, 2026: Researchers introduced J-CONNECT, a real-world oncology database linking hospital cancer registry information with electronic medical records, including patient demographics, staging, treatments, laboratory results, and biomarkers.

Oncology Information System Market Segmentation Insights

By Product

Software

Patient-information systems

Treatment-planning systems

Services

Consulting

Implementation & Integration

Maintenance & Support

By Application

Medical Oncology

Radiation Oncology

Surgical Oncology

By End User

Hospitals

Oncology Clinics

Research & Academic Centers

By Geography

North America

United States

Canada

Mexico

Europe

Germany

United Kingdom

France

Italy

Spain

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

Middle East

GCC

South Africa

Rest of Middle East

South America

Brazil

Argentina

Rest of South America

Oncology Information System Market Regional Insights

North America represents the largest regional market, supported by established healthcare IT infrastructure, interoperability requirements, and continued investment in oncology data modernization.

Europe maintains a significant market position, supported by investments in cancer informatics, shared healthcare data infrastructure, and digital systems designed to improve information exchange across oncology care settings.

Asia-Pacific is projected to be the fastest-growing regional market. Increasing healthcare digitization, expanding oncology infrastructure, and adoption of cloud-hosted and AI-enabled healthcare technologies are supporting market growth across the region.

The Oncology Information System Market report is also available in the following languages:

Japanese: https://www.mordorintelligence.com/ja/industry-reports/oncology-information-system-market?utm_source=einpr

French: https://www.mordorintelligence.com/fr/industry-reports/oncology-information-system-market?utm_source=einpr

German: https://www.mordorintelligence.com/de/industry-reports/oncology-information-system-market?utm_source=einpr

Spanish: https://www.mordorintelligence.com/es/industry-reports/oncology-information-system-market?utm_source=einpr

Portuguese: https://www.mordorintelligence.com/pt/industry-reports/oncology-information-system-market?utm_source=einpr

Oncology Information System Market Competitive Landscape

The report describes the oncology information system market as moderately concentrated, with leading healthcare technology companies competing through platform development, interoperability, cloud-based infrastructure, AI integration, and expansion of oncology-specific workflows. Competition is shaped by system integration capabilities, data exchange, clinical workflow support, implementation requirements, and the ability to address increasingly complex oncology care pathways.

Oncology Information System Market Key Companies

- Oracle Corporation
- Siemens Healthineers AG (Varian Medical Systems)
- Elekta AB
- Koninklijke Philips N.V.
- McKesson Corporation

Discover the latest trends, growth opportunities, and competitive developments in the Oncology Information System Market: https://www.mordorintelligence.com/industry-reports/oncology-information-system-market?utm_source=einpr

Explore More Industry Research by Mordor Intelligence

[Drug Discovery Informatics Market](#) - The drug discovery informatics market is expected to grow from USD 3.27 billion in 2026 to USD 5.25 billion by 2031, registering a CAGR of 9.97% during the forecast period. Growth is supported by increasing drug discovery activities, rising use of computational tools in research, and growing demand for efficient management and analysis of complex drug development data.

Emergency Department Information System Market - The emergency department information system market is projected to expand from USD 1.35 billion in 2026 to USD 2.62 billion by 2031, at a CAGR of 14.19%. Market growth is driven by increasing emergency care volumes, rising demand for streamlined clinical workflows, and growing adoption of digital information systems to support patient management and operational efficiency.

https://www.mordorintelligence.com/industry-reports/emergency-department-information-system-market?utm_source=einpr

Cardiology Information System Market - The cardiology information system market is estimated to grow from USD 1.47 billion in 2026 to USD 2.23 billion by 2031, registering a CAGR of 8.74% during the forecast period. Growth is fueled by the increasing burden of cardiovascular diseases, rising demand for integrated cardiac data management, and growing adoption of digital systems across cardiology departments.

https://www.mordorintelligence.com/industry-reports/cardiology-information-system-market?utm_source=einpr

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With a team of over 550 domain experts and on-ground specialists spanning 150+ countries, Mordor Intelligence possesses a unique understanding of the global business landscape. This expertise translates into comprehensive syndicated and custom research reports covering a wide spectrum of industries, including aerospace & defense, agriculture, animal nutrition and wellness, automation, automotive, chemicals & materials, consumer goods & services, electronics, energy & power, financial services, food & beverages, healthcare, hospitality & tourism, information & communications technology, investment opportunities, and logistics.□

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