

# **Global Artificial Intelligence (AI) in Oncology Market Size study, by Treatment (Hemotherapy, Radiotherapy, Immunotherapy, Targeted Therapy, Gene Therapy, And Others) by Type (Lung Cancer, Breast Cancer, Melanoma Cancer, Prostate Cancer, Colorectal Cancer, Among Others), by Application (Diagnosis, Therapy, Prognosis, Health Management, Research) and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Artificial Intelligence (AI) in Oncology Market is valued at approximately USD XX Million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. Artificial intelligence (AI) is a comprehensive branch of computer science concerned with building smart machines which are capable of performing tasks that typically require human intelligence. The Application of AI tools in Oncology are helpful in finding new approaches for cancer detection, screening, diagnosis and classification, the characterization of cancer genomics, and the analysis of tumor microenvironment. The growing prevalence of Cancer Worldwide and Favorable initiatives from government & non-Government organizations as well as strategic initiatives from leading market players are key factors driving the growth of the Market. Moreover, the government authorities are also supporting the scientists by funding them and giving all the necessary means of support to them. For instance, in 2020, clinicians and scientists from Case Western Reserve University and Cleveland Clinic received an amount of \$1.15 Million through National Cancer Institute (NCI) Informatics Technology in Cancer Research (ITCR) program to assist researchers in creating AI-based tools to distinguish tumor recurrence from scar tissue in patients with specific colorectal and brain malignancies who have undergone surgery. Further, the

Indian government is planning to initiate more programs to make better healthcare infrastructure by investing around \$6.8 Million according to recent reports published by IBEF. Moreover, leading market players are working towards new collaboration to develop an AI platform for Oncology treatment. For instance, Mayo Clinic and Google Health launched a partnership endeavor to investigate the application of AI to radiation therapy in October 2020. Teams from the Mayo Clinic and Google Health would create and verify an algorithm to automatically contour healthy tissue and organs away from tumors using de-identified data. Also, increasing investments in the sector and the growing adoption of AI and related technologies in healthcare would create lucrative growth opportunities for the market during the forecast period. However, a lack of awareness of AI based tools, as well as the dearth of skilled professionals impede market growth throughout the forecast period of 2022-2028.

The key regions considered for the Global Artificial Intelligence (AI) in Oncology Market study includes Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the space in terms of revenue in 2021, owing to the factors such as the presence of better health facilities, infrastructure, and increasing investment in healthcare facilities. Whereas, the Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as increasing investments by private players, and the increasing adoption of AI/ML in the sector as well as development in the IT sector specializing in AI-based technologies also accounts to the factor in better growth in this market in the forecasted period.

Major market players included in this report are:

Azra AI

IBM

Siemens Healthineers

Intel

GE Healthcare

NVIDIA

Digital Diagnostics Inc.

Xilinx

InformAI

Enlitic

Day Zero Diagnostics

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

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

By Treatment:

Hemotherapy

Radiotherapy

Immunotherapy

targeted therapy

gene therapy

others

By Type:

lung cancer

breast cancer

melanoma cancer

prostate cancer

colorectal cancer

others

By Application:

Diagnosis

Therapy

Prognosis

health management

research

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, the years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Artificial Intelligence (AI) in Oncology Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

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