

Artificial Intelligence (AI) Market Forecasts to 2028 – Global Analysis By Offering (Hardware, Software, Services), End User (Clinics, Diagnostic centers, Healthcare Payers) and By Geography

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Abstracts

According to Statistics MRC, the Global Artificial Intelligence (AI) in Healthcare Market is accounted for \$4.83 billion in 2020 and is expected to reach \$84.02 billion by 2028 growing at a CAGR of 42.9% during the forecast period. Rising need to reduce healthcare costs and improving computing power and declining hardware cost is driving the market growth. However, lack of skilled AI workforce and indefinite regulatory guidelines for medical software is hampering the growth of the market.

Artificial intelligence is well-defined as an intelligent system that applies numerous human intelligence-based functions such as, learning, reasoning, and problem-solving skills in altered disciplines such as, psychology, computer science, biology, engineering, linguistics, and mathematics. Artificial intelligence in healthcare makes use of algorithms and software to examine multifaceted medical data. Artificial intelligence is used within the healthcare sector to research the link between treatment techniques and patient outcomes. AI in healthcare has numerous applications in, drug discovery, medication management, and treatment plans. It is used in medical practices such as drug development, personalized medicines, diagnostic processes, and patient monitoring care.

Based on the technology, the natural language processing segment is going to have lucrative growth during the forecast period, owing to an upsurge in the use of image recognition, data mining, signal reduction, and, which are primary components of most AI protocols. This is the foremost factor boosting the segment growth.

By geography, North America is going to have high growth during the forecast period. As it has the biggest number of registered hospitals in the province. AI can aid in hospital management applications, patient care, and patient data management which can help to improve such worries. Additionally, in North America due to the decrease healthcare workforce and aging population upsurge the demand for digital health systems, improved diagnosis & treatment services. Moreover, significant existences of foremost AI technology and product inventors in the province are other factors preferring the growth of the market.

Some of the key players profiled in the Artificial Intelligence (AI) in Market include Nvidia, Intel, IBM, Google, Microsoft, General Electric (Ge) Company, Siemens Healthineers (A Strategic Unit Of Siemens Group), Medtronic, Micron Technology and Amazon Web Services (Aws).

Offerings Covered:

Hardware

Software

Services

Product, Parts & Devices Covered:

Imaging Systems

Medical Devices

Smart Meters

Smart Trackers

Smartphones and Tablets

Wearables

Workstation Systems

Technology's Covered:

Machine Learning

Computer Vision

Context-Aware Computing

Natural Language Processing

Predictive Analytics

Querying Method

Speech Recognition

Applications Covered:

Administrative Workflow Assistants

Clinical Trial Participant Identifier

Connected Machines

Cybersecurity

Diagnosis

Dosage Error Reduction

Drug Discovery

Emergency Room and Hospital Management

Fraud Detection

Healthcare Assistance Robots

Home Health

Inpatient Care & Hospital Management

Insights & Risk Analytics

Inventory Management

Lifestyle Management & Patient Monitoring

Medical Imaging & Diagnostics

Mental Health

Operations Management

Precision Medicine

Predictive Maintenance/Self Diagnostics

Preliminary Diagnosis

Research

Robot Assisted Surgery

Virtual Nursing Assistants

End Users Covered:

Clinics

Diagnostic Centers

Healthcare Payers

Hospitals & Healthcare Providers

Patients

Pharmaceuticals & Biotechnology Companies

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2018, 2019, 2020, 2024 and 2027

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

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Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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