

# **Artificial Intelligence In Healthcare Diagnosis Market Outlook 2025-2034: Market Share, and Growth Analysis By Component (Software, Services, Hardware), By Diagnosis (Cardiology, Oncology, Pathology, Radiology, Chest And Lung, Neurology, Other Diagnoses), By Modality, By Application, By End-User**

<https://marketpublishers.com/r/A8A54A3FABF1EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: A8A54A3FABF1EN

## **Abstracts**

The Artificial Intelligence In Healthcare Diagnosis Market is valued at USD 29.1 billion in 2025 and is projected to grow at a CAGR of 35% to reach USD 434 billion by 2034. The Artificial Intelligence in Healthcare Diagnosis market revolves around the application of AI to assist in the diagnosis of medical conditions. AI algorithms analyze medical images, patient records, and other clinical data to identify patterns and anomalies that may indicate disease. This helps healthcare professionals make faster and more accurate diagnoses, leading to improved patient outcomes.

AI-powered diagnostic tools can analyze medical images, such as X-rays, CT scans, and MRI scans, to detect subtle abnormalities that may be missed by human observers. Machine learning algorithms can learn from labeled data and adapt to different patient populations and disease conditions. AI also enables the development of personalized diagnostic models based on individual patient data. Additionally, AI can help automate the analysis of large volumes of clinical data, reducing the workload on healthcare professionals.

The market is driven by the increasing demand for accurate and timely diagnoses. The growing volume of medical data and the shortage of healthcare professionals are further fueling market growth. AI offers the potential to improve diagnostic accuracy, reduce

healthcare costs, and enhance patient access to care. The development of advanced AI algorithms and the availability of large datasets are further fueling market growth.

## Key Insights Artificial Intelligence In Healthcare Diagnosis Market

AI-powered medical image analysis.

Predictive diagnostics based on patient data.

Integration of AI with electronic health records (EHRs).

Development of AI-based diagnostic chatbots.

Use of AI in pathology and genomics.

Increasing demand for accurate and timely diagnoses.

Growing volume of medical data.

Shortage of healthcare professionals.

Potential for improving diagnostic accuracy and reducing costs.

Advancements in AI and medical imaging technologies.

Ensuring accuracy and reliability of AI algorithms.

Data privacy and security concerns.

Integration of AI tools with existing healthcare workflows.

Regulatory approvals and clinical validation.

Lack of standardized datasets.

## Artificial Intelligence In Healthcare Diagnosis Market Segmentation

### By Component

Software

Services

Hardware

### By Diagnosis

Cardiology

Oncology

Pathology

Radiology

Chest And Lung

Neurology

Other Diagnoses

### By Modality

MRI (Magnetic Resonance Imaging)

CT (Computed Tomography)

X-ray

Ultrasound

### By Application

In Vivo Diagnostics

## In Vitro Diagnostics

### By End-User

Hospitals

Diagnostics Imaging Centers

Diagnostics Laboratories

Other End-Users

### Key Companies Analysed

Johnson and Johnson Private Limited

Intel Corporation

International Business Machines Corporation

Medtronic

Nvidia Corporation

Siemens Healthcare GmbH

Koninklijke Philips N.V.

GE Healthcare

Agfa-Gevaert Group

Google Deep Mind

Babylon Health

HeartFlow Inc.

Corti HQ

Aidoc

Aidoc Medical Ltd.

Imagen Technologies

AliveCor Inc.

Digital Diagnostics Inc.

Enlitic Inc.

NovaSignal Corp.

Cleerly Inc.

Butterfly Network Inc.

IBM Watson Health

Arterys Inc.

Caption Health

Zebra Medical Vision Inc.

Vuno Inc.

Riverain Technologies

CloudMedX Inc.

Neural Analytics Inc.

## Artificial Intelligence In Healthcare Diagnosis Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

### Artificial Intelligence In Healthcare Diagnosis Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

### Countries Covered

North America — Artificial Intelligence In Healthcare Diagnosis market data and outlook to 2034

United States

Canada

Mexico

Europe — Artificial Intelligence In Healthcare Diagnosis market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Artificial Intelligence In Healthcare Diagnosis market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Artificial Intelligence In Healthcare Diagnosis market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Artificial Intelligence In Healthcare Diagnosis market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Artificial Intelligence In Healthcare Diagnosis value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Artificial Intelligence In Healthcare Diagnosis industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

## Your Key Takeaways from the Artificial Intelligence In Healthcare Diagnosis Market Report

Global Artificial Intelligence In Healthcare Diagnosis market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Artificial Intelligence In Healthcare Diagnosis trade, costs, and supply chains

Artificial Intelligence In Healthcare Diagnosis market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Artificial Intelligence In Healthcare Diagnosis market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Artificial Intelligence In Healthcare Diagnosis market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Artificial Intelligence In Healthcare Diagnosis supply chain analysis

Artificial Intelligence In Healthcare Diagnosis trade analysis, Artificial Intelligence In Healthcare Diagnosis market price analysis, and Artificial Intelligence In Healthcare Diagnosis supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Artificial Intelligence In Healthcare Diagnosis market news and developments

### Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

## Contents

### **1. TABLE OF CONTENTS**

- 1.1 List of Tables
- 1.2 List of Figures

### **2. GLOBAL ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET SUMMARY, 2025**

- 2.1 Artificial Intelligence In Healthcare Diagnosis Industry Overview
  - 2.1.1 Global Artificial Intelligence In Healthcare Diagnosis Market Revenues (In US\$ billion)
- 2.2 Artificial Intelligence In Healthcare Diagnosis Market Scope
- 2.3 Research Methodology

### **3. ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET INSIGHTS, 2024-2034**

- 3.1 Artificial Intelligence In Healthcare Diagnosis Market Drivers
- 3.2 Artificial Intelligence In Healthcare Diagnosis Market Restraints
- 3.3 Artificial Intelligence In Healthcare Diagnosis Market Opportunities
- 3.4 Artificial Intelligence In Healthcare Diagnosis Market Challenges
- 3.5 Tariff Impact on Global Artificial Intelligence In Healthcare Diagnosis Supply Chain Patterns

### **4. ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET ANALYTICS**

- 4.1 Artificial Intelligence In Healthcare Diagnosis Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Artificial Intelligence In Healthcare Diagnosis Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Artificial Intelligence In Healthcare Diagnosis Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Artificial Intelligence In Healthcare Diagnosis Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Artificial Intelligence In Healthcare Diagnosis Market
  - 4.5.1 Artificial Intelligence In Healthcare Diagnosis Industry Attractiveness Index, 2025

- 4.5.2 Artificial Intelligence In Healthcare Diagnosis Supplier Intelligence
- 4.5.3 Artificial Intelligence In Healthcare Diagnosis Buyer Intelligence
- 4.5.4 Artificial Intelligence In Healthcare Diagnosis Competition Intelligence
- 4.5.5 Artificial Intelligence In Healthcare Diagnosis Product Alternatives and Substitutes Intelligence
- 4.5.6 Artificial Intelligence In Healthcare Diagnosis Market Entry Intelligence

## **5. GLOBAL ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

- 5.1 World Artificial Intelligence In Healthcare Diagnosis Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)
- 5.1 Global Artificial Intelligence In Healthcare Diagnosis Sales Outlook and CAGR Growth By Component, 2024- 2034 (\$ billion)
- 5.2 Global Artificial Intelligence In Healthcare Diagnosis Sales Outlook and CAGR Growth By Diagnosis, 2024- 2034 (\$ billion)
- 5.3 Global Artificial Intelligence In Healthcare Diagnosis Sales Outlook and CAGR Growth By Modality, 2024- 2034 (\$ billion)
- 5.4 Global Artificial Intelligence In Healthcare Diagnosis Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)
- 5.5 Global Artificial Intelligence In Healthcare Diagnosis Sales Outlook and CAGR Growth By End-User, 2024- 2034 (\$ billion)
- 5.6 Global Artificial Intelligence In Healthcare Diagnosis Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

## **6. ASIA PACIFIC ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

- 6.1 Asia Pacific Artificial Intelligence In Healthcare Diagnosis Market Insights, 2025
- 6.2 Asia Pacific Artificial Intelligence In Healthcare Diagnosis Market Revenue Forecast By Component, 2024- 2034 (USD billion)
- 6.3 Asia Pacific Artificial Intelligence In Healthcare Diagnosis Market Revenue Forecast By Diagnosis, 2024- 2034 (USD billion)
- 6.4 Asia Pacific Artificial Intelligence In Healthcare Diagnosis Market Revenue Forecast By Modality, 2024- 2034 (USD billion)
- 6.5 Asia Pacific Artificial Intelligence In Healthcare Diagnosis Market Revenue Forecast By Application, 2024- 2034 (USD billion)
- 6.6 Asia Pacific Artificial Intelligence In Healthcare Diagnosis Market Revenue Forecast

By End-User, 2024- 2034 (USD billion)

6.7 Asia Pacific Artificial Intelligence In Healthcare Diagnosis Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.7.1 China Artificial Intelligence In Healthcare Diagnosis Market Size, Opportunities, Growth 2024- 2034

6.7.2 India Artificial Intelligence In Healthcare Diagnosis Market Size, Opportunities, Growth 2024- 2034

6.7.3 Japan Artificial Intelligence In Healthcare Diagnosis Market Size, Opportunities, Growth 2024- 2034

6.7.4 Australia Artificial Intelligence In Healthcare Diagnosis Market Size, Opportunities, Growth 2024- 2034

## **7. EUROPE ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

7.1 Europe Artificial Intelligence In Healthcare Diagnosis Market Key Findings, 2025

7.2 Europe Artificial Intelligence In Healthcare Diagnosis Market Size and Percentage Breakdown By Component, 2024- 2034 (USD billion)

7.3 Europe Artificial Intelligence In Healthcare Diagnosis Market Size and Percentage Breakdown By Diagnosis, 2024- 2034 (USD billion)

7.4 Europe Artificial Intelligence In Healthcare Diagnosis Market Size and Percentage Breakdown By Modality, 2024- 2034 (USD billion)

7.5 Europe Artificial Intelligence In Healthcare Diagnosis Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.6 Europe Artificial Intelligence In Healthcare Diagnosis Market Size and Percentage Breakdown By End-User, 2024- 2034 (USD billion)

7.7 Europe Artificial Intelligence In Healthcare Diagnosis Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.7.1 Germany Artificial Intelligence In Healthcare Diagnosis Market Size, Trends, Growth Outlook to 2034

7.7.2 United Kingdom Artificial Intelligence In Healthcare Diagnosis Market Size, Trends, Growth Outlook to 2034

7.7.2 France Artificial Intelligence In Healthcare Diagnosis Market Size, Trends, Growth Outlook to 2034

7.7.2 Italy Artificial Intelligence In Healthcare Diagnosis Market Size, Trends, Growth Outlook to 2034

7.7.2 Spain Artificial Intelligence In Healthcare Diagnosis Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

8.1 North America Snapshot, 2025

8.2 North America Artificial Intelligence In Healthcare Diagnosis Market Analysis and Outlook By Component, 2024- 2034 (\$ billion)

8.3 North America Artificial Intelligence In Healthcare Diagnosis Market Analysis and Outlook By Diagnosis, 2024- 2034 (\$ billion)

8.4 North America Artificial Intelligence In Healthcare Diagnosis Market Analysis and Outlook By Modality, 2024- 2034 (\$ billion)

8.5 North America Artificial Intelligence In Healthcare Diagnosis Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.6 North America Artificial Intelligence In Healthcare Diagnosis Market Analysis and Outlook By End-User, 2024- 2034 (\$ billion)

8.7 North America Artificial Intelligence In Healthcare Diagnosis Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.7.1 United States Artificial Intelligence In Healthcare Diagnosis Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.7.1 Canada Artificial Intelligence In Healthcare Diagnosis Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.7.1 Mexico Artificial Intelligence In Healthcare Diagnosis Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Artificial Intelligence In Healthcare Diagnosis Market Data, 2025

9.2 Latin America Artificial Intelligence In Healthcare Diagnosis Market Future By Component, 2024- 2034 (\$ billion)

9.3 Latin America Artificial Intelligence In Healthcare Diagnosis Market Future By Diagnosis, 2024- 2034 (\$ billion)

9.4 Latin America Artificial Intelligence In Healthcare Diagnosis Market Future By Modality, 2024- 2034 (\$ billion)

9.5 Latin America Artificial Intelligence In Healthcare Diagnosis Market Future By Application, 2024- 2034 (\$ billion)

9.6 Latin America Artificial Intelligence In Healthcare Diagnosis Market Future By End-User, 2024- 2034 (\$ billion)

9.7 Latin America Artificial Intelligence In Healthcare Diagnosis Market Future by Country, 2024- 2034 (\$ billion)

9.7.1 Brazil Artificial Intelligence In Healthcare Diagnosis Market Size, Share and Opportunities to 2034

9.7.2 Argentina Artificial Intelligence In Healthcare Diagnosis Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Artificial Intelligence In Healthcare Diagnosis Market Statistics By Component, 2024- 2034 (USD billion)

10.3 Middle East Africa Artificial Intelligence In Healthcare Diagnosis Market Statistics By Diagnosis, 2024- 2034 (USD billion)

10.4 Middle East Africa Artificial Intelligence In Healthcare Diagnosis Market Statistics By Modality, 2024- 2034 (USD billion)

10.5 Middle East Africa Artificial Intelligence In Healthcare Diagnosis Market Statistics By Application, 2024- 2034 (USD billion)

10.6 Middle East Africa Artificial Intelligence In Healthcare Diagnosis Market Statistics By End-User, 2024- 2034 (USD billion)

10.7 Middle East Africa Artificial Intelligence In Healthcare Diagnosis Market Statistics by Country, 2024- 2034 (USD billion)

10.7.1 Middle East Artificial Intelligence In Healthcare Diagnosis Market Value, Trends, Growth Forecasts to 2034

10.7.2 Africa Artificial Intelligence In Healthcare Diagnosis Market Value, Trends, Growth Forecasts to 2034

## **11. ARTIFICIAL INTELLIGENCE IN HEALTHCARE DIAGNOSIS MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Artificial Intelligence In Healthcare Diagnosis Industry

11.2 Artificial Intelligence In Healthcare Diagnosis Business Overview

11.3 Artificial Intelligence In Healthcare Diagnosis Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

## **12 APPENDIX**

12.1 Global Artificial Intelligence In Healthcare Diagnosis Market Volume (Tons)

12.1 Global Artificial Intelligence In Healthcare Diagnosis Trade and Price Analysis

12.2 Artificial Intelligence In Healthcare Diagnosis Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Artificial Intelligence In Healthcare Diagnosis Industry Report Sources and Methodology

## I would like to order

Product name: Artificial Intelligence In Healthcare Diagnosis Market Outlook 2025-2034: Market Share, and Growth Analysis By Component (Software, Services, Hardware), By Diagnosis (Cardiology, Oncology, Pathology, Radiology, Chest And Lung, Neurology, Other Diagnoses), By Modality, By Application, By End-User

Product link: <https://marketpublishers.com/r/A8A54A3FABF1EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A8A54A3FABF1EN.html>