

# **AI in Medical Diagnostics Market Size, Trends, Analysis, and Outlook By Component (Software, Services, Hardware), By Application (In Vivo diagnostics, In Vitro Diagnostics), By End-User (Hospitals, Diagnostics Imaging Centers, Diagnostics Laboratories, Others), by Country, Segment, and Companies, 2024-2032**

<https://marketpublishers.com/r/AC7110B169B5EN.html>

Date: April 2024

Pages: 205

Price: US\$ 3,980.00 (Single User License)

ID: AC7110B169B5EN

## **Abstracts**

The global AI in Medical Diagnostics market size is poised to register 26.5% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global AI in Medical Diagnostics market across By Component (Software, Services, Hardware), By Application (In Vivo diagnostics, In Vitro Diagnostics), By End-User (Hospitals, Diagnostics Imaging Centers, Diagnostics Laboratories, Others)

The AI in medical diagnostics market is characterized by the convergence of artificial intelligence, medical imaging, and diagnostic testing technologies to enhance accuracy, efficiency, and scalability of diagnostic processes. By 2030, the market is anticipated to witness significant growth, driven by advancements in machine learning algorithms, deep learning networks, and natural language processing techniques. Further, the integration of AI into diagnostic workflows will enable automated interpretation of medical images, analysis of clinical data, and generation of diagnostic reports, thereby empowering healthcare providers with actionable insights and facilitating timely and accurate diagnosis of diseases.

AI in Medical Diagnostics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The AI in Medical Diagnostics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of AI in Medical Diagnostics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the AI in Medical Diagnostics industry.

### Key market trends defining the global AI in Medical Diagnostics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### AI in Medical Diagnostics Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The AI in Medical Diagnostics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support AI in Medical Diagnostics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

### Key strategies adopted by companies within the AI in Medical Diagnostics industry

Leading AI in Medical Diagnostics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 AI in Medical Diagnostics companies.

### AI in Medical Diagnostics Market Study- Strategic Analysis Review

The AI in Medical Diagnostics market research report dives deep into the qualitative

factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

## AI in Medical Diagnostics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The AI in Medical Diagnostics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

## AI in Medical Diagnostics Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

## North America AI in Medical Diagnostics Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024

(around 3.7% growth in 2024), potentially driving demand for various AI in Medical Diagnostics market segments. Similarly, Strong market demand is encouraging Canadian AI in Medical Diagnostics companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico AI in Medical Diagnostics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

**Europe AI in Medical Diagnostics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities**

The German industry remains the major market for companies in the European AI in Medical Diagnostics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European AI in Medical Diagnostics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific AI in Medical Diagnostics Market Size Outlook- an attractive hub for opportunities for both local and global companies**

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for AI in Medical Diagnostics in Asia Pacific. In particular, China, India, and South East Asian AI in Medical Diagnostics markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

**Latin America AI in Medical Diagnostics Market Size Outlook- Continued urbanization and rising income levels**

Rising income levels contribute to greater purchasing power among consumers,

spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa AI in Medical Diagnostics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East AI in Medical Diagnostics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for AI in Medical Diagnostics.

#### AI in Medical Diagnostics Market Company Profiles

The global AI in Medical Diagnostics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Advanced Micro Devices Inc, Aidence B.V., Aidoc Medical Ltd, Brainomix Ltd, Butterfly Network Inc, Digital Diagnostics Inc, EchoNous Inc, Enlitic Inc, GE Healthcare, Google LLC, HeartFlow Inc, InformAI Inc, Intel Corp, Koninklijke Philips N.V., Microsoft Corp, Nano-X Imaging Ltd, NVIDIA Corp, Quibim SL, Siemens Healthineers AG, Therapixel SAS.

#### Recent AI in Medical Diagnostics Market Developments

The global AI in Medical Diagnostics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

#### AI in Medical Diagnostics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

## Market Segmentation:

By Component

Software

Services

Hardware

-Processors

-Memory

-Networks

By Application

In Vivo diagnostics

-Radiology

-Cardiology

-Neurology

-Computed Tomography

-X- Ray

-Magnetic Resonance Imaging

-Ultrasound

-Others

In Vitro Diagnostics

By End-User

Hospitals

Diagnostics Imaging Centers

Diagnostics Laboratories

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Advanced Micro Devices Inc

Aidence B.V.

Aidoc Medical Ltd

Brainomix Ltd

Butterfly Network Inc

Digital Diagnostics Inc

EchoNous Inc

Enlitic Inc

GE Healthcare

Google LLC

HeartFlow Inc

InformAI Inc

Intel Corp

Koninklijke Philips N.V.

Microsoft Corp

Nano-X Imaging Ltd

NVIDIA Corp

Quibim SL

Siemens Healthineers AG



Therapixel SAS

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 AI in Medical Diagnostics Market Overview and Key Findings, 2024
- 1.2 AI in Medical Diagnostics Market Size and Growth Outlook, 2021- 2030
- 1.3 AI in Medical Diagnostics Market Growth Opportunities to 2030
- 1.4 Key AI in Medical Diagnostics Market Trends and Challenges
  - 1.4.1 AI in Medical Diagnostics Market Drivers and Trends
  - 1.4.2 AI in Medical Diagnostics Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading AI in Medical Diagnostics Companies

### 2. AI IN MEDICAL DIAGNOSTICS MARKET SIZE OUTLOOK TO 2030

- 2.1 AI in Medical Diagnostics Market Size Outlook, USD Million, 2021- 2030
- 2.2 AI in Medical Diagnostics Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. AI IN MEDICAL DIAGNOSTICS MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. AI IN MEDICAL DIAGNOSTICS MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - By Component
    - Software
    - Services

Hardware

-Processors

-Memory

-Networks

By Application

In Vivo diagnostics

-Radiology

-Cardiology

-Neurology

-Computed Tomography

-X- Ray

-Magnetic Resonance Imaging

-Ultrasound

-Others

In Vitro Diagnostics

By End-User

Hospitals

Diagnostics Imaging Centers

Diagnostics Laboratories

Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific AI in Medical Diagnostics Market, 2025

5.2 Asia Pacific AI in Medical Diagnostics Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific AI in Medical Diagnostics Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe AI in Medical Diagnostics Market, 2025

5.5 Europe AI in Medical Diagnostics Market Size Outlook by Type, 2021- 2030

5.6 Europe AI in Medical Diagnostics Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America AI in Medical Diagnostics Market, 2025

5.8 North America AI in Medical Diagnostics Market Size Outlook by Type, 2021- 2030

5.9 North America AI in Medical Diagnostics Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America AI in Medical Diagnostics Market, 2025

5.11 South America Pacific AI in Medical Diagnostics Market Size Outlook by Type, 2021- 2030

5.12 South America AI in Medical Diagnostics Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa AI in Medical Diagnostics Market, 2025

5.14 Middle East Africa AI in Medical Diagnostics Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa AI in Medical Diagnostics Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

6.1 US AI in Medical Diagnostics Market Size Outlook and Revenue Growth Forecasts

6.2 US AI in Medical Diagnostics Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada AI in Medical Diagnostics Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico AI in Medical Diagnostics Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany AI in Medical Diagnostics Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France AI in Medical Diagnostics Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK AI in Medical Diagnostics Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain AI in Medical Diagnostics Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy AI in Medical Diagnostics Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe AI in Medical Diagnostics Industry Drivers and Opportunities

6.19 China Market Size Outlook and Revenue Growth Forecasts

6.20 China AI in Medical Diagnostics Industry Drivers and Opportunities

6.21 India Market Size Outlook and Revenue Growth Forecasts

6.22 India AI in Medical Diagnostics Industry Drivers and Opportunities

6.23 Japan Market Size Outlook and Revenue Growth Forecasts

6.24 Japan AI in Medical Diagnostics Industry Drivers and Opportunities

6.26 South Korea Market Size Outlook and Revenue Growth Forecasts

6.26 South Korea AI in Medical Diagnostics Industry Drivers and Opportunities

6.27 Australia Market Size Outlook and Revenue Growth Forecasts

6.28 Australia AI in Medical Diagnostics Industry Drivers and Opportunities

6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts

- 6.30 South East Asia AI in Medical Diagnostics Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific AI in Medical Diagnostics Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil AI in Medical Diagnostics Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina AI in Medical Diagnostics Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America AI in Medical Diagnostics Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East AI in Medical Diagnostics Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa AI in Medical Diagnostics Industry Drivers and Opportunities

## **7. AI IN MEDICAL DIAGNOSTICS MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. AI IN MEDICAL DIAGNOSTICS COMPANY PROFILES**

- 8.1 Profiles of Leading AI in Medical Diagnostics Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

Advanced Micro Devices Inc

Aidence B.V.

Aidoc Medical Ltd

Brainomix Ltd

Butterfly Network Inc

Digital Diagnostics Inc

EchoNous Inc

Enlitic Inc

GE Healthcare

Google LLC

HeartFlow Inc

InformAI Inc

Intel Corp

Koninklijke Philips N.V.  
Microsoft Corp  
Nano-X Imaging Ltd  
NVIDIA Corp  
Quibim SL  
Siemens Healthineers AG  
Therapixel SAS.

## **9. APPENDIX**

- 9.1 Scope of the Report
- 9.2 Research Methodology and Data Sources
- 9.3 Glossary of Terms
- 9.4 Market Definitions
- 9.5 Contact Information

## I would like to order

Product name: AI in Medical Diagnostics Market Size, Trends, Analysis, and Outlook By Component (Software, Services, Hardware), By Application (In Vivo diagnostics, In Vitro Diagnostics), By End-User (Hospitals, Diagnostics Imaging Centers, Diagnostics Laboratories, Others), by Country, Segment, and Companies, 2024-2032

Product link: <https://marketpublishers.com/r/AC7110B169B5EN.html>

Price: US\$ 3,980.00 (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/AC7110B169B5EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970