

AI-in Medical Imaging Market Size, Trends, Analysis, and Outlook By Technology (Deep Learning, Natural Language Processing (NLP), Others), By Application (Neurology, Respiratory and Pulmonary, Cardiology, Breast Screening, Orthopedics, Others), By Modality (CT Scan, MRI, X-rays, Ultrasound, Nuclear Imaging), By End-User (Hospitals, Diagnostic Imaging Centers, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global AI-in Medical Imaging market size is poised to register 26.73% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global AI-in Medical Imaging market across By Technology (Deep Learning, Natural Language Processing (NLP), Others), By Application (Neurology, Respiratory and Pulmonary, Cardiology, Breast Screening, Orthopedics, Others), By Modality (CT Scan, MRI, X-rays, Ultrasound, Nuclear Imaging), By End-User (Hospitals, Diagnostic Imaging Centers, Others).

The AI-in medical imaging market is experiencing significant growth, driven by increasing demand for diagnostic accuracy, expanding applications in radiology and pathology, and advancements in artificial intelligence (AI) and machine learning technologies. AI-based medical imaging solutions leverage advanced algorithms, deep learning models, and computer vision techniques to analyze medical images such as X-rays, CT scans, and MRI scans for automated image interpretation, lesion detection, and disease classification. With a focus on clinical efficiency, diagnostic accuracy, and patient outcomes, radiologists, pathologists, and imaging centers are adopting AI-driven

imaging tools to improve workflow efficiency, reduce interpretation errors, and enhance diagnostic confidence in clinical practice. Moreover, advancements in image segmentation, feature extraction, and multi-modal fusion are driving market expansion, offering new opportunities to develop AI-enabled imaging solutions for early disease detection, treatment response monitoring, and predictive analytics in various medical specialties such as oncology, neurology, and cardiology. Additionally, collaborations between AI technology developers, healthcare providers, and regulatory agencies are driving innovation in medical imaging AI, fostering the development of standardized algorithms, benchmarking frameworks, and clinical validation studies to ensure the safety, efficacy, and clinical utility of AI-based imaging tools for patients and healthcare professionals.

AI-in Medical Imaging 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 Imaging market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of AI-in Medical Imaging 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 Imaging industry.

Key market trends defining the global AI-in Medical Imaging 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 Imaging Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The AI-in Medical Imaging 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 Imaging 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 Imaging industry

Leading AI-in Medical Imaging 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 Imaging companies.

AI-in Medical Imaging Market Study- Strategic Analysis Review

The AI-in Medical Imaging 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 Imaging Market Size Outlook- Historic and Forecast Revenue in Three Cases

The AI-in Medical Imaging 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 2030 in three case scenarios- low case, reference case, and high case scenarios.

AI-in Medical Imaging Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. 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 2030.

North America AI-in Medical Imaging 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 end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various AI-in Medical Imaging market segments. Similarly, Strong end-user demand is encouraging Canadian AI-in Medical Imaging companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico AI-in Medical Imaging market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe AI-in Medical Imaging 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 Imaging 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 businesses in identifying and leveraging new growth prospects positions the European AI-in Medical Imaging 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 Imaging 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 Imaging in Asia Pacific. In particular, China, India, and South East Asian AI-in Medical Imaging

markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers 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 markets in the region.

Latin America AI-in Medical Imaging 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 Imaging 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 Imaging 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 Imaging.

AI-in Medical Imaging Market Company Profiles

The global AI-in Medical Imaging 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 Agfa-Gevaert Group/Agfa Health Care, Arterys, AZmed, Butterfly Network, Caption Health, General Electric, Gleamer, IBM, Koninklijke Philips, Siemens Healthineers

Recent AI-in Medical Imaging Market Developments

The global AI-in Medical Imaging 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 Imaging Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (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 Technology

Deep Learning

Natural Language Processing (NLP)

Others

By Application

Neurology

Respiratory and Pulmonary

Cardiology

Breast Screening

Orthopedics

Others

By Modality

CT Scan

MRI

X-rays

Ultrasound

Nuclear Imaging

By End-user

Hospitals

Diagnostic Imaging Centers

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Agfa-Gevaert Group/Agfa Health Care

Arterys

AZmed

Butterfly Network

Caption Health

General Electric

Gleamer

IBM

Koninklijke Philips

Siemens Healthineers

Formats Available: Excel, PDF, and PPT

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 - Deep Learning
 - Natural Language Processing (NLP)
 - Others

By Application

Neurology

Respiratory and Pulmonary

Cardiology

Breast Screening

Orthopedics

Others

By Modality

CT Scan

MRI

X-rays

Ultrasound

Nuclear Imaging

By End-user

Hospitals

Diagnostic Imaging Centers

Others

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