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# Global Medical Imaging Software Market 2024

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## Abstracts

The medical imaging software market is rapidly expanding and is one of the fastest-growing segments in medical devices. This growth can be attributed to the evolution of combined modalities and advancements in medical device hardware, which has pushed the industry to develop different types of software to handle medical images. The increasing demand for healthcare services, due to the aging population and prevalence of chronic conditions, has also had a significant impact on the growth of the medical imaging industry. This has led to several medical advancements and improvements in both the healthcare and technology industries.

The medical image analysis software segment accounted for the largest share of the market, mainly due to its high demand, and is expected to experience the highest incremental growth during the forecast period. The estimated value of the medical image analysis software market is USD 3.2 billion in 2023, and it is expected to reach USD 5.3 billion by 2029, registering a CAGR of 7.7% during the forecast period.

Advancements in computerized medical image visualization have made medical imaging one of the most important fields within scientific imaging. Software that helps to analyze medical images can aid diagnosis, compare images to assess disease progression, and evaluate prognosis. In combination with advancements in imaging technology, improvements are being made to create software capable of independently detecting clinical anomalies in medical images.

The global medical imaging software market is expected to witness constant growth during the forecast period, with North America dominating the market in 2023, followed by Europe, APAC, Latin America, and MEA. The North America Medical Imaging Software segment market is estimated at USD 3.0 billion in 2023, and it is expected to reach USD 4.4 billion by 2029, registering a CAGR of 5.8% during the forecast period.

In recent years, advancements in medical imaging technologies such as ultrasound, CT, MRI, PET scans, etc., have created a positive impact on the diagnosis and treatment of several diseases. The rising geriatric population and the prevalence of chronic diseases have increased the adoption of advanced imaging technologies, with healthcare professionals extensively using diagnostic imaging technologies for the examination and diagnosis of exact medical conditions. This has led to accurate diagnosis and better disease management. Ultrasound imaging, PET, CT, MRI, and X-ray are becoming highly competitive imaging modalities in the field of healthcare due to their advancements.

The cardiology segment market is estimated at USD 1.6 billion in 2023, and it is expected to reach USD 2.5 billion by 2029, registering a CAGR of 6.5% during the forecast period. The use of diagnostic imaging has increased dramatically over the last two decades, with several factors fueling this growth including high demand by patients and clinicians, wider availability of imaging, and technological improvements. These developments have led to a wide range of uses in various healthcare sectors.

Overall, the global medical imaging software market is expected to experience continued growth due to the increasing demand for imaging and diagnostic systems, with North America leading the market due to factors such as increasing hospitalization rates, a large number of imaging centers, government initiatives, growing healthcare expenditure, and vast opportunities for new and enhanced medical imaging software tools.

This comprehensive industry report provides market estimates and forecasts, accompanied by a detailed examination of the imaging type, type, modality, application, end user, and region aspects. It delivers a quantitative analysis of the market, empowering stakeholders to leverage existing market opportunities. Furthermore, the report identifies key segments for potential opportunities and strategies, drawing insights from market trends and the approaches of leading competitors.

The global baby bottle market has been extensively analyzed by categorizing it according to various sub-segments in order to provide accurate forecasts of industry size and assess trends within specific areas.

The global market for medical imaging software can be segmented by imaging type: 2D, 3D, others. The 2D segment held the largest share of the global medical imaging software market in 2023, representing more than 71.1% of the total market.

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Medical imaging software market is further segmented by type: medical image analysis software, medical image processing software, medical image management software, others. Medical image analysis software held the largest share in the global medical imaging software market, accounting for 44.5% of the market in 2023. Moreover, the segment is anticipated to grow at the highest CAGR in the coming years.

Based on modality, the medical imaging software market is segmented into: ultrasound, radiography, computerized tomography, magnetic resonance imaging, mammography, PET/SPECT, others. Ultrasound held the highest share in the global medical imaging software market. However, the computerized tomography segment is forecast to register the highest CAGR during the forecast period 2024 %li%2030.

On the basis of application, the medical imaging software market also can be divided into: cardiology, orthopedic, oncology, neurology, gastroenterology, dental, others. Cardiology held the highest share in the global medical imaging software market. However, the neurology segment is forecast to register the highest CAGR during the forecast period 2024 %li%2030.

Medical imaging software market by end user is categorized into: hospitals, diagnostic centers, ambulatory surgical centers, institutes, others. The hospitals segment held the largest share of the global medical imaging software market in 2023, representing more than 42.6% of the total market.

The medical imaging software market by region can be segmented into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. Globally, North America made up the largest share of the medical imaging software market, representing more than 42.1% of the total market.

The report also provides a detailed analysis of several leading medical imaging software market vendors that include IBM Watson, Siemens Healthineers AG, GE HealthCare Technologies, Inc., Agfa Healthcare Corporation, Carestream Health, Inc., Cerner Corporation, Change Healthcare Inc., Koninklijke Philips, N.V., Fujifilm Corporation, Sectra AB, Intelerad Medical Systems Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

Why Choose This Report

Gain a reliable outlook of the global medical imaging software market forecasts from

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2024 to 2030 across scenarios.

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Market Segments Covered in Global Medical Imaging Software Industry Analysis:

i.) Imaging type

2D

3D

Others

ii.) Type

Medical image analysis software

Medical image processing software

Medical image management software

Others

iii.) Modality

Ultrasound

Radiography

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- Computerized tomography
- Magnetic resonance imaging
- Mammography
- PET/SPECT
- Others

iv.) Application

- Cardiology
- Orthopedic
- Oncology
- Neurology
- Gastroenterology
- Dental
- Others

v.) End user

- Hospitals
- Diagnostic centers
- Ambulatory surgical centers
- Institutes

Others

vi.) Region

North America

Europe

Asia-Pacific

MEA (Middle East and Africa)

Latin America

## Contents

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7.1 Ultrasound
7.2 Radiography
7.3 Computerized tomography
7.4 Magnetic resonance imaging
7.5 Mammography
7.6 PET/SPECT
7.7 Others

**PART 8. GLOBAL MEDICAL IMAGING SOFTWARE MARKET BY APPLICATION**

8.1 Cardiology
8.2 Orthopedic
8.3 Oncology
8.4 Neurology
8.5 Gastroenterology
8.6 Dental
8.7 Others

**PART 9. GLOBAL MEDICAL IMAGING SOFTWARE MARKET BY END USER**

9.1 Hospitals
9.2 Diagnostic centers
9.3 Ambulatory surgical centers
9.4 Institutes
9.5 Others

**PART 10. GLOBAL MEDICAL IMAGING SOFTWARE MARKET BY REGION**

10.1 North America
10.2 Europe
10.3 Asia-Pacific
10.4 MEA (Middle East and Africa)
10.5 Latin America

**PART 11. COMPANY PROFILES**

11.1 IBM Watson
11.2 Siemens Healthineers AG
11.3 GE HealthCare Technologies, Inc.

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