

U.S. Magnetic Resonance Imaging Market Size, Share & Trends Analysis Report By Architecture, By Field Strength, By Application (Brain & Neurological, Vascular), By End-Use, By Region, And Segment Forecasts, 2023 - 2030

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Abstracts

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U.S. Magnetic Resonance Imaging Market Growth & Trends

The U.S. magnetic resonance imaging market size is expected to reach USD 2.6 billion 2030, registering CAGR of 6.3% from 2023 to 2030, according to a new report by Grand View Research, Inc. Increase in chronic disorder, rise in geriatric patients, need for improved diagnostic tools, and the rise for minimally invasive diagnostic tools are the factors accountable for the market growth. Increased number of research activities to develop hybrid systems like PET/MRI, growing installations of 7.0T MRI for its precise imaging quality, and promising outcomes of magnetic resonance imaging (MRI) in critical application areas such as dentistry are the additional factors responsible for the growth of the market.

Only 30 institutes in the U.S. have installed 7.0T MRI systems that affirm its ability to produce high quality neuroimages. GE Healthcare received FDA clearance for its 7.0T MRI scanners to produce clear and accurate images of brain and joint micro-vasculature to detect various neurological disorders such as Alzheimer's disease and mild traumatic brain injury. Additionally, these novel systems are the platforms for imaging of the knee and cartilage.

Further, these systems showed promising results in the detection of neurological

conditions of the patients post COVID-19. Thus, these techniques improve patient satisfaction, eases radiologist's workflow, and reduced rescan frequencies. Additionally, researchers in the University of Minnesota are developing ultra-high field scanners up to 20 T for the operation on human imaging. Such research activities create market growth opportunities in the coming years.

The outbreak of COVID-19 led to a decline in the research activities, closure of universities along with academic institutions, and decline in clinical trial activities. The fear of virus spread also declined any diagnostic or surgical activities at the end-use settings. Economic crunch at hospitals, diagnostic centers or clinics, led to the reduced adoption of systems used for the diagnosis. Thus, the pandemic led to a decline in the market during 2020.

U.S. Magnetic Resonance Imaging Market Report Highlights

The open system is anticipated to be the fastest-growing segment during the forecast period

MRI for neurological and brain disorders dominated the market largely due to the growing number of neurological condition and increased geriatric population

The high-field MRI segment is expected to experience the fastest growth largely due to its efficiency to provide detailed images for the diagnosis

Imaging centers are expected to exhibit the highest growth rate during the forecast period

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

1.1. Market Segmentation & Scope

- 1.1.1. Architecture
- 1.1.2. Field Strength
- 1.1.3. Application
- 1.1.4. End Use
- 1.1.5. Estimates and forecast timeline

1.2. Research Methodology

1.3. Information Procurement

- 1.3.1. Purchased database
- 1.3.2. GVR's internal database
- 1.3.3. Secondary sources
- 1.3.4. Primary research

1.4. Information or Data Analysis

- 1.4.1. Data analysis models

1.5. Market Formulation & Validation

1.6. Model Details

- 1.6.1. Commodity flow analysis (Model 1)
 - 1.6.1.1. Approach 1: Commodity flow approach
- 1.6.2. Volume price analysis (Model 2)
 - 1.6.2.1. Approach 2: Volume price analysis

1.7. List of Secondary Sources

1.8. List of Primary Sources

1.9. Objectives

- 1.9.1. Objective 1: Understanding the market dynamics
- 1.9.2. Objective 2: Understanding the market estimates and forecasts
- 1.9.3. Objective 3: Understanding the attributes such as strategy framework, competitor categorization
- 1.9.4. Objective 4: Understanding the key product and application scopes to conclude on the market size

CHAPTER 2. EXECUTIVE SUMMARY

2.1. Market Outlook

2.2. Segment Outlook

2.3. Competitive Insights

CHAPTER 3. U.S. MAGNETIC RESONANCE IMAGING MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage outlook
 - 3.1.1. Parent market outlook
 - 3.1.2. Related/ancillary market outlook
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Market Dynamics
 - 3.3.1. Market Driver Analysis
 - 3.3.1.1. Technological advancements
 - 3.3.1.2. Increasing awareness regarding early diagnosis
 - 3.3.2. Market Restraint Analysis
 - 3.3.2.1. High cost of MRI system
 - 3.3.2.2. Depleting helium deposits
- 3.4. U.S. Magnetic Resonance Imaging: Market Analysis Tools
 - 3.4.1. Industry Analysis - Porter's
 - 3.4.1.1. Supplier Power
 - 3.4.1.2. Buyer Power
 - 3.4.1.3. Substitution Threat
 - 3.4.1.4. Threat from new entrant
 - 3.4.1.5. Competitive rivalry
 - 3.4.2. PESTEL Analysis
 - 3.4.2.1. Political Landscape
 - 3.4.2.2. Environmental Landscape
 - 3.4.2.3. Social Landscape
 - 3.4.2.4. Technology Landscape
 - 3.4.2.5. Legal Landscape

CHAPTER 4. U.S. MAGNETIC RESONANCE IMAGING MARKET: SEGMENT ANALYSIS, BY ARCHITECTURE, 2018 - 2030 (USD MILLION)

- 4.1. Definitions & Scope
- 4.2. Architecture Market Share Analysis, 2022 & 2030
- 4.3. Segment Dashboard
- 4.4. U.S. Magnetic Resonance Imaging Market, by Architecture, 2018 to 2030
- 4.5. Market Size & Forecasts and Trend Analysis, 2018 to 2030 for the following
 - 4.5.1. Open systems
 - 4.5.1.1. Open systems estimate and forecast 2018 to 2030 (USD Million)

4.5.2. Closed systems

4.5.2.1. Closed systems estimates and forecast 2018 to 2030 (USD Million)

CHAPTER 5. U.S. MAGNETIC RESONANCE IMAGING MARKET: SEGMENT ANALYSIS, BY FIELD STRENGTH, 2018 - 2030 (USD MILLION)

5.1. Definitions & Scope

5.2. Field strength market share analysis, 2022 & 2030

5.3. Segment Dashboard

5.4. U.S. Magnetic Resonance Imaging Market, by Field Strength, 2018 to 2030

5.5. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following

5.5.1. Low

5.5.1.1. Low estimates and forecast 2018 to 2030 (USD Million)

5.5.2. Mid

5.5.2.1. Mid estimates and forecast 2018 to 2030 (USD Million)

5.5.3. High

5.5.3.1. High estimates and forecast 2018 to 2030 (USD Million)

CHAPTER 6. U.S. MAGNETIC RESONANCE IMAGING MARKET: SEGMENT ANALYSIS, BY APPLICATION, 2018 - 2030 (USD MILLION)

6.1. Definitions & Scope

6.2. Application market share analysis, 2022 & 2030

6.3. Segment Dashboard

6.4. U.S. Magnetic Resonance Imaging Market, By Application, 2018 to 2030

6.5. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following

6.5.1. Obstructive Sleep Apnea (OSA)

6.5.1.1. Obstructive Sleep Apnea (OSA) estimates and forecast 2018 to 2030 (USD Million)

6.5.2. Brain and Neurological

6.5.2.1. Brain and neurological estimates and forecast 2018 to 2030 (USD Million)

6.5.3. Spine and Musculoskeletal

6.5.3.1. Spine and musculoskeletal estimate and forecast 2018 to 2030 (USD Million)

6.5.4. Vascular

6.5.4.1. Vascular estimate and forecast 2018 to 2030 (USD Million)

6.5.5. Abdominal

6.5.5.1. Abdominal estimate and forecast 2018 to 2030 (USD Million)

6.5.6. Cardiac

6.5.6.1. Cardiac estimate and forecast 2018 to 2030 (USD Million)

6.5.7. Breast

6.5.7.1. Breast estimate and forecast 2018 to 2030 (USD Million)

6.5.8. Others

6.5.8.1. Others estimate and forecast 2018 to 2030 (USD Million)

CHAPTER 7. U.S. MAGNETIC RESONANCE IMAGING MARKET: SEGMENT ANALYSIS, BY END USE, 2018 - 2030 (USD MILLION)

7.1. Definitions & Scope

7.2. End-use market share analysis, 2022 & 2030

7.3. Segment Dashboard

7.4. U.S. Magnetic Resonance Imaging Market, By End Use, 2018 to 2030

7.5. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following

7.5.1. Hospitals

7.5.1.1. Hospitals estimates and forecast 2018 to 2030 (USD Million)

7.5.2. Imaging Centers

7.5.2.1. Imaging centers estimates and forecast 2018 to 2030 (USD Million)

7.5.3. Ambulatory surgical centers

7.5.3.1. Ambulatory surgical centers estimate and forecast 2018 to 2030 (USD Million)

7.5.4. Others

7.5.4.1. Others estimate and forecast 2018 to 2030 (USD Million)

CHAPTER 8. U.S. MAGNETIC RESONANCE IMAGING MARKET - COMPETITIVE ANALYSIS

8.1. Key companies profiled

8.1.1. GE Healthcare

8.1.1.1. Company Overview

8.1.1.2. Financial Performance

8.1.1.3. Product Benchmarking

8.1.1.4. Strategic Initiatives

8.1.2. Siemens AG

8.1.2.1. Company Overview

8.1.2.2. Financial Performance

8.1.2.3. Product Benchmarking

8.1.2.4. Strategic Initiatives

8.1.3. Toshiba Corporation

8.1.3.1. Company Overview

- 8.1.3.2. Financial Performance
- 8.1.3.3. Product Benchmarking
- 8.1.3.4. Strategic Initiatives
- 8.1.4. Aurora Imaging Technologies, Inc
 - 8.1.4.1. Company Overview
 - 8.1.4.2. Financial Performance
 - 8.1.4.3. Product Benchmarking
 - 8.1.4.4. Strategic Initiatives
- 8.1.5. Koninklijke Philips N.V.
 - 8.1.5.1. Company Overview
 - 8.1.5.2. Financial Performance
 - 8.1.5.3. Product Benchmarking
 - 8.1.5.4. Strategic Initiatives
- 8.1.6. Esaote SPA
 - 8.1.6.1. Company Overview
 - 8.1.6.2. Financial Performance
 - 8.1.6.3. Product Benchmarking
 - 8.1.6.4. Strategic Initiatives
- 8.1.7. Sanrad Medical Systems Pvt Ltd
 - 8.1.7.1. Company Overview
 - 8.1.7.2. Financial Performance
 - 8.1.7.3. Product Benchmarking
 - 8.1.7.4. Strategic Initiatives
- 8.1.8. Fujifilm
 - 8.1.8.1. Company Overview
 - 8.1.8.2. Financial Performance
 - 8.1.8.3. Product Benchmarking
 - 8.1.8.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

Table 1 List of Secondary Sources

Table 2 Lists of Abbreviations

Table 3 U.S. Magnetic Resonance Imaging Market, By Application, 2018 - 2030 (USD Million)

Table 4 U.S. Magnetic Resonance Imaging Market, By Architecture, 2018 - 2030 (USD Million)

Table 5 U.S. Magnetic Resonance Imaging Market, By End-use, 2018 - 2030 (USD Million)

Table 6 U.S. Magnetic Resonance Imaging Market, By Field Strength, 2018 - 2030 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Data triangulation techniques
- Fig. 3 Primary research pattern
- Fig. 4 Market research approaches
- Fig. 5 Value-chain-based sizing & forecasting
- Fig. 6 QFD modeling for market share assessment
- Fig. 7 Market formulation & validation
- Fig. 8 U.S. Magnetic Resonance Imaging Market: Market snapshot
- Fig. 9 U.S. Magnetic Resonance Imaging Market: Market segmentation
- Fig. 10 U.S. Magnetic Resonance Imaging Market Strategy framework
- Fig. 11 Parent market outlook
- Fig. 12 Related/ancillary market outlook
- Fig. 13 U.S. Magnetic Resonance Imaging Market driver impact
- Fig. 14 U.S. Magnetic Resonance Imaging Market restraint impact
- Fig. 15 U.S. Magnetic Resonance Imaging Market porter's five forces analysis
- Fig. 16 U.S. Magnetic Resonance Imaging Market PESTEL analysis
- Fig. 17 U.S. Magnetic Resonance Imaging Market segment dashboard
- Fig. 18 U.S. Magnetic Resonance Imaging Market: architecture movement Analysis
- Fig. 19 Open systems U.S. Magnetic Resonance Imaging Market estimates and forecast, 2018 - 2030 (USD Million)
- Fig. 20 Closed systems U.S. Magnetic Resonance imaging Market estimates and forecast, 2018 - 203 (USD Million)
- Fig. 21 U.S. Magnetic Resonance Imaging Market: field strength movement analysis
- Fig. 22 Low field strength U.S. Magnetic Resonance Imaging Market estimates and forecast, 2018 -2030 (USD Million)
- Fig. 23 Mid field strength U.S. Magnetic Resonance Imaging Market estimates and forecast, 2018 - 2030 (USD Million)
- Fig. 24 High field strength U.S. Magnetic Resonance Imaging Market estimates and forecast, 2018- 2030 (USD Million)
- Fig. 25 U.S. Magnetic Resonance Imaging Market: End-use movement Analysis
- Fig. 26 Hospitals market estimates and forecast, 2018 - 2030 (USD Million)
- Fig. 27 Imaging Centers market estimates and forecast, 2018 - 2030 (USD Million)
- Fig. 28 Ambulatory market estimates and forecast, 2018 - 2030 (USD Million)
- Fig. 29 Others market estimates and forecast, 2018 - 2030 (USD Million)

Fig. 30 U.S. Magnetic Resonance Imaging: Application movement analysis

Fig. 31 Obstructive Sleep Apnea market estimates and forecast, 2018 - 2030 (USD Million)

Fig. 32 Brain and neurology market estimates and forecast, 2018 - 2030 (USD Million)

Fig. 33 Spine and Musculoskeletal market estimates and forecast, 2018 - 2030 (USD Million)

Fig. 34 Vascular market estimates and forecast, 2018 - 2030 (USD Million)

Fig. 35 Abdominal market estimates and forecast, 2018 - 2030 (USD Million)

Fig. 36 Cardiac Applications surgeries market estimates and forecast, 2018 - 2030 (USD Million)

Fig. 37 Other Applications surgeries market estimates and forecast, 2018 - 2030 (USD Million)

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