

# **7T Magnetic Resonance Imaging Systems Market Size, Share & Trends Analysis Report By Application (Clinical, Research), By End-use (Hospitals & Clinics, Diagnostic Imaging Centers), By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **7T Magnetic Resonance Imaging Systems Market Growth & Trends**

The global 7T magnetic resonance imaging systems market size is anticipated to reach USD 3.16 billion by 2030 and is projected to grow at a CAGR of 7.1% from 2025 to 2030, according to a new report by Grand View Research, Inc. The major factors contributing to market growth include advancements in imaging technology, increasing demand for high-resolution imaging, and expanding clinical applications. For instance, according to an article published by NCBI, Numerous research sites around the world have successfully demonstrated magnetic resonance imaging (MRI) of the human spinal cord at 7 Tesla, highlighting that the spinal cord is one area where higher magnetic fields and improved resolution can significantly enhance imaging outcomes.

The increasing prevalence of chronic disorders such as cancer, cardiovascular diseases, and neurological conditions is driving the demand for effective diagnostic tools, significantly contributing to the market growth. As these complex diseases become more common, the need for advanced imaging technologies that can provide detailed and accurate diagnoses is paramount. The high-resolution capabilities of 7-Tesla MRI systems allow for enhanced visualization of tissues and structures, making it particularly valuable in detecting subtle changes that may indicate the presence or progression of these conditions.

The growing applications for 7T MRI are further leading the growing adoption of these devices among end users. For instance, the USD 9 million Siemens MAGNETOM 7T, housed in the Neuroimaging Center at Auburn University's Samuel Ginn College of Engineering, has received certification from the FDA for use with clinical patients. This new system offers enhanced imaging capabilities compared to the college's previous 7T research device.

Strategic initiatives undertaken by major market players, including mergers and acquisitions, product launches, regulatory approvals, partnerships, collaborations, and research and development (R&D) activities, play a crucial role in driving the market growth. For instance, in April 2024, Siemens Healthineers announced the launch of the MAGNETOM Terra.X 7 Tesla (7T) MRI scanner in Canada.

### 7T Magnetic Resonance Imaging Systems Market Report Highlights

Based on application, the research segment led the market with the largest revenue share of 70.4% in 2024. The clinical segment is anticipated to grow at the fastest CAGR during the forecast period.

Based on end use, the research institutions segment led the market with the largest revenue share of 67.0% in 2024. The hospital segment is expected to grow at the fastest CAGR over the forecast period.

North America dominated the market with the largest revenue share of 41.4% in 2024.

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