

Vietnam MRI Market, By Field Strength (High-Field MRI Systems (1.5t MRI Systems, 3t MRI Systems), Low-To-Mid-Field MRI Systems (

Abstracts

Vietnam Magnetic Resonance Imaging (MRI) market was valued at USD 35.50 million in 2024 and is projected to record robust growth through 2030, with a compound annual growth rate (CAGR) of 6.70%. This growth trajectory is driven by the rapid advancement of the country's healthcare infrastructure and the growing demand for sophisticated diagnostic imaging technologies.

Strategic increases in government healthcare spending have supported the modernization of medical facilities and accelerated the adoption of state-of-the-art imaging systems, particularly MRI. The market's expansion is further supported by a rising incidence of chronic illnesses, increased healthcare investments, and a growing emphasis on early and accurate disease detection.

Despite these positive developments, the sector faces several challenges, including the high capital and operational costs associated with MRI systems and a shortage of trained radiology professionals, which may affect service delivery and efficiency.

Vietnam's MRI market remains heavily reliant on imports, with major global manufacturers dominating in both equipment supply and technological innovation. Emerging trends such as high-field imaging, AI-powered diagnostics, and patient-centric imaging enhancements are expected to further shape the market landscape, improving diagnostic accuracy and expanding access to advanced imaging services nationwide.

Key Market Drivers

Rising Prevalence of Chronic Diseases

The escalating burden of chronic diseases in Vietnam is a key driver of the MRI market. The growing incidence of non-communicable diseases (NCDs), including cardiovascular conditions, cancers, and neurological disorders, is creating increased demand for advanced diagnostic modalities. MRI, known for its superior soft tissue imaging and non-invasive characteristics, plays a vital role in early detection, ongoing monitoring, and treatment planning.

Cardiovascular diseases (CVDs), such as coronary artery disease, stroke, and heart failure, are particularly prevalent and are the leading cause of mortality in Vietnam, accounting for over 30% of total deaths, according to the World Health Organization (WHO). In response, cardiac MRI (CMR) has gained momentum due to its ability to deliver non-invasive, detailed assessments of myocardial infarction, cardiomyopathies, and congenital heart anomalies.

Key Market Challenges

High Capital Investment and Operational Costs

A significant barrier to market growth is the substantial capital required to acquire, install, and maintain MRI systems. Advanced machines, especially high-field (1.5T and 3T) units, often demand an initial investment of over USD 1 million, making them financially out of reach for many hospitals, particularly in the public sector with constrained budgets.

Additionally, MRI machines require purpose-built infrastructure, including shielded rooms, specialized electrical systems, and advanced cooling setups. Many existing facilities in Vietnam are not adequately equipped to meet these requirements, making system installation both costly and logistically complex.

Ongoing operational expenses, such as equipment servicing and maintenance, further increase the financial burden—particularly given Vietnam's dependence on imported machines and components. Supply chain delays for spare parts may result in prolonged equipment downtime, negatively impacting patient throughput and hospital revenues.

Moreover, although insurance coverage and government subsidies have helped improve affordability, the cost of MRI scans remains high for a large portion of the population. As a result, many patients opt for more cost-effective imaging alternatives like CT or ultrasound, limiting broader MRI utilization.

Key Market Trends

AI Integration and Smart Scheduling Automation

The integration of artificial intelligence (AI) and automation is reshaping the operational efficiency of MRI services. AI-driven scheduling platforms are optimizing appointment management by predicting peak demand periods, minimizing wait times, and improving

overall resource allocation.

These systems use machine learning algorithms to analyze historical booking data, patient behavior, and seasonal trends, allowing providers to streamline scheduling, reduce cancellations, and enhance staff productivity. Automated messaging—via SMS, email, or in-app notifications—helps decrease no-show rates and keeps patients engaged throughout their care journey.

Additionally, AI tools are improving internal workflows by ensuring the optimal assignment of equipment and medical personnel based on appointment types and patient needs, which is particularly valuable in high-demand specialties such as radiology and oncology.

AI-enabled chatbots also contribute to operational efficiency by enabling patients to manage appointments independently through mobile applications or websites. This enhances patient experience and supports the broader digitization of healthcare services in Vietnam.

Key Market Players

GE HealthCare

Philips Healthcare

Siemens Healthcare Limited

Canon Medical Systems Asia Pte. Ltd.

Neusoft Corporation

Hitachi Digital Services, LLC

FUJIFILM VIETNAM Co., Ltd

Report Scope:

In this report, the Vietnam MRI Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

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Vietnam MRI Market, By Field Strength:

High-Field MRI Systems

Low-To-Mid-Field MRI Systems

Very-High-Field MRI Systems

Vietnam MRI Market, By Type:

Fixed

Mobile

Vietnam MRI Market, By Architecture:

Closed MRI Systems

Open MRI Systems

Vietnam MRI Market, By Application:

Brain and Neurological

Oncology

Spine and Musculoskeletal

Abdominal

Cardiac

Others

Vietnam MRI Market, By End User:

Hospitals

Imaging Centers

Ambulatory Surgical Centers

Others

Vietnam MRI Market, By Region:

Northern Vietnam

Central Vietnam

Southern Vietnam

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Vietnam MRI Market.

Available Customizations:

Vietnam MRI market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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