

Magnetic Resonance Imaging Guided & Focused Ultrasound Devices Market: Long-Term Growth Potential at 11.5% CAGR Globally

TBRC's Magnetic Resonance Imaging (MRI) Guided And Focused Ultrasound Devices Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035

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/EINPresswire.com/ -- The magnetic

resonance imaging (MRI) guided and focused ultrasound devices market is gaining significant traction as advancements in medical technology continue to enhance non-invasive treatment options. This sector is witnessing rapid growth, driven by innovations in imaging and therapy techniques that are transforming patient care. Below, we explore the market's current size, key growth drivers, regional outlook, and emerging trends shaping its future.

Current Market Size and Growth Prospects for [MRI Guided and Focused Ultrasound Devices Industry](#)

The market for magnetic resonance imaging (MRI) guided and focused ultrasound devices has expanded swiftly in recent years. It is projected to increase from \$3.14 billion in 2025 to \$3.51 billion in 2026, growing at a compound annual growth rate (CAGR) of 11.8%. This historical growth is primarily due to the rise in minimally invasive procedures, improvements in MRI imaging resolution, the growing prevalence of cancer-related conditions, wider adoption of image-guided therapies, and clinical validation supporting focused ultrasound technology.

Looking ahead, the market is expected to continue its robust expansion, reaching \$5.43 billion by 2030 with a CAGR of 11.5%. Factors propelling this forecast include the growth of non-invasive neurosurgical treatments, integration of artificial intelligence (AI) for therapy management, increased demand for outpatient care solutions, rising investments in precision medicine, and broader regulatory approvals for focused ultrasound applications. Key trends anticipated during this period involve MRI-guided non-invasive therapies, AI-assisted treatment planning, real-time image-guided precision ablation, platforms combining imaging and therapy, and data-driven monitoring of treatment outcomes.

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Understanding MRI Guided and Focused Ultrasound Devices Technology

MRI-guided focused ultrasound devices represent cutting-edge medical tools that merge magnetic resonance imaging with high-intensity focused ultrasound technology. This combination allows for precise targeting of specific tissues without invasive surgery. The MRI component continuously monitors the treatment area to ensure accuracy and safety, while the ultrasound delivers focused energy to affected regions. This approach minimizes harm to surrounding healthy tissues and reduces the need for traditional surgical procedures, offering patients a safer and more efficient treatment alternative.

Neurological Disorders as a Key Driver for Market Expansion

One of the primary factors fueling the growth of the [MRI-guided focused ultrasound devices market](#) is the rising prevalence of neurological disorders. These conditions affect the brain, spinal cord, and nerves, resulting in various cognitive, motor, and sensory impairments. The increase in neurological disorders is closely linked to the aging global population, as age-related declines in neuronal function, brain plasticity, and oxidative stress contribute to the onset and progression of such diseases.

MRI-guided focused ultrasound devices support both diagnosis and treatment of neurological disorders by providing real-time imaging combined with non-invasive therapeutic options. This technology enables precise targeting of affected brain areas, which improves diagnostic accuracy, optimizes treatment planning, enhances patient outcomes, and boosts clinical workflow efficiency. For instance, by June 30, 2024, the National Health Service in the UK reported 487,432 dementia cases—a progressive brain disorder characterized by memory and cognitive decline—with an increase of 3,155 new diagnoses compared to the previous month. This growing patient population underscores the expanding demand for these advanced imaging and treatment technologies.

View the full magnetic resonance imaging (mri) guided and focused ultrasound devices market report:

https://www.thebusinessresearchcompany.com/report/magnetic-resonance-imaging-mri-guided-and-focused-ultrasound-devices-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Regional Market Landscape and Growth Forecasts

In 2025, North America commanded the largest share of the [global MRI-guided focused ultrasound devices market](#). However, the Asia-Pacific region is anticipated to experience the fastest growth throughout the forecast period. The market analysis covers diverse geographic areas, including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America,

South America, the Middle East, and Africa, providing a global perspective on the market's development and regional opportunities.

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