

Functional Brain Imaging System Market Intelligence Report Covers Trends, Segments And Regional Growth

*The Business Research Company's
Functional Brain Imaging System Market
Report 2026 – Market Size, Trends, And
Global Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED
KINGDOM, August 7, 2026

/EINPresswire.com/ -- "The [functional
brain imaging system market](#) is

experiencing noteworthy growth, driven by technological advancements and increasing demand for precise neurological diagnostics. These systems play a crucial role in both research and clinical environments, enabling better understanding and treatment of brain-related conditions. Let's explore the market's current size, key growth drivers, regional dynamics, and emerging trends shaping its future.

Strong Market Expansion Forecasted for Functional Brain Imaging Systems

The functional brain imaging system market has seen significant development in recent years. It is projected to increase from \$5.08 billion in 2025 to \$5.45 billion in 2026, exhibiting a compound annual growth rate (CAGR) of 7.4%. The past growth period was influenced by factors such as limited availability of high-resolution imaging technologies, reliance on conventional imaging methods, rising incidence of neurological disorders, expanding academic research into brain functions, and early adoption of functional MRI (fMRI) technologies.

Download a free sample of the [functional brain imaging system market report](#):

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Looking ahead, the market is expected to continue its upward trajectory, reaching \$7.17 billion by 2030 with a CAGR of 7.1%. This future growth is driven by innovations like portable and wearable functional near-infrared spectroscopy (fNIRS) devices, increasing use of artificial intelligence in brain imaging analysis, broader deployment of hybrid imaging systems such as PET/MRI and PET/CT, enhanced funding for cognitive neuroscience, and expansion of hospital and diagnostic imaging infrastructure. Important market trends include growing clinical use of



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functional brain imaging, wider application of wearable devices, increased focus on cognitive science research, emphasis on neurology and psychiatry diagnostics, and the development of hybrid imaging technologies.

Understanding Functional Brain Imaging Systems and Their Uses

Functional brain imaging systems encompass a range of technologies designed to visualize and measure brain activity by tracking changes in cerebral blood flow, oxygen levels, or metabolism associated with neural activation. These systems are vital tools in both clinical diagnostics and scientific research to explore brain function, uncover neural mechanisms behind cognitive processes, and assist in diagnosing neurological and psychiatric disorders.

View the full functional brain imaging system market report:

https://www.thebusinessresearchcompany.com/report/functional-brain-imaging-system-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Rising Brain Cancer Rates as a Critical Market Driver

One of the primary factors accelerating growth in the functional brain imaging system market is the increasing prevalence of brain cancer. This disease involves abnormal cell growth within the brain, forming tumors that disrupt normal brain functions. The rising incidence is linked to aging populations, improved detection technologies, environmental influences, and better disease reporting practices. Functional brain imaging systems improve diagnostic accuracy, help tailor safer, more effective treatment plans, and enable continuous monitoring to optimize patient outcomes. For instance, data from Cancer Australia in 2023 revealed that 1,597 deaths were attributed to brain cancer — 956 males and 641 females. By 2025, this death toll is anticipated to climb to 1,639, with 979 males and 660 females affected. These figures highlight how the growing burden of brain cancer is driving demand for advanced imaging solutions.

North America Leads the Functional Brain Imaging System Market

In 2025, North America held the largest share of the [global functional brain imaging system market](#). The comprehensive market report includes analysis of regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a global perspective on market developments and regional growth patterns.

Our 2026 market reports now include enhanced strategic insights through:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: marketing@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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