

US Brain Imaging Devices Market Size study, by Product (Devices, Accessories) by Application (Stroke, Brain Tumor, Traumatic brain injury (TBI), Epilepsy, Sleep Apnea, Headache, Structural anomalies, Other Applications) by Modality (Fixed, Portable, Wearable) by End Use (Hospitals, Diagnostic Imaging Centers, Ambulatory Surgery Centers, Other End-users) Forecasts 2022-2032

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Abstracts

US Brain Imaging Devices Market is valued approximately USD 1.43 billion in 2023 and is anticipated to grow with a growth rate of more than 8.09% over the forecast period 2024-2032. Brain imaging devices, such as MRI, CT scans, PET scans, and EEG, visualize and measure brain activity. They provide detailed images of brain structures and functions, aiding in diagnosing and treating neurological disorders like Alzheimer's, epilepsy, and brain tumors. These devices are crucial in neuroscience research, enabling studies of brain development, cognition, and behavior. They also assist in surgical planning and monitoring brain responses to therapies, enhancing our understanding and treatment of various brain conditions. Also, the growing emergence of wearable neuroimaging technologies supports the U.S. brain imaging devices market by enabling real-time, non-invasive brain monitoring, enhancing diagnostic accuracy, and providing convenience for patients and clinicians. This trend is driven by advancements in technology and increasing adoption in medical research and clinical practice.

The growth of the US Brain Imaging Devices Market is driven by several key factors. Advancements in imaging technology, such as MRI and CT scans, enhance diagnostic

accuracy and patient outcomes. Increasing prevalence of neurological disorders, including Alzheimer's, Parkinson's, and brain tumors, boosts demand for effective diagnostic tools. Growing aging population further fuels market expansion, as age-related brain conditions rise. Rising healthcare expenditure and government funding for neurological research support market growth. Technological innovations, including AI and machine learning integration, improve imaging efficiency and interpretation. Additionally, heightened awareness and early diagnosis initiatives contribute to increased adoption of brain imaging devices. These factors collectively drive the robust growth of the US Brain Imaging Devices Market. However, the high initial investment and maintenance costs, and lack of skilled professionals are expected to hinder the market growth during the forecast period 2024-2032.

Major market player included in this report are:

Advanced Brain Monitoring

Nonin Medical, Inc.

Integra LifeSciences Corporation

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Product

Devices

Accessories

By Application

Stroke

Brain Tumor

Traumatic brain injury (TBI)

Epilepsy

Sleep Apnea

Headache

Structural anomalies

Other Applications

By Modality

Fixed

Portable

Wearable

By End Use

Hospitals

Diagnostic Imaging Centers

Ambulatory Surgery Centers

Other End-users

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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