

Global 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) and Regional Forecasts 2022-2032

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Abstracts

Global Brain Imaging Devices Market is valued approximately USD 5.26 billion in 2023 and is anticipated to grow with a growth rate of more than 8.14% over the forecast period 2024-2032. Brain imaging devices, such as MRI, CT, PET, and EEG, visualize and monitor brain activity and structure. They are used in medical diagnostics, research, and treatment planning. Applications include detecting brain disorders, assessing injuries, guiding surgeries and studying cognitive functions. These technologies aid in understanding brain diseases, neurological conditions, and mental health issues. Also, the rising trend of non-invasive techniques supports the growth of the Brain Imaging Devices Market by providing safer, more comfortable, and accessible options for patients. These techniques reduce risks associated with invasive procedures, increase patient compliance, and enhance diagnostic accuracy. Innovations in non-invasive imaging attract more healthcare providers, expanding market adoption and driving further technological advancements.

The growth of the Global Brain Imaging Devices Market is driven by several key factors. Technological advancements in imaging modalities, such as MRI, CT, and PET, enhance diagnostic accuracy and efficiency. Increasing prevalence of neurological

disorders like Alzheimer's, Parkinson's, and epilepsy boosts demand for advanced imaging solutions. Rising geriatric population, who are more susceptible to brain disorders, further fuels market growth. Government funding and initiatives for neurological research and healthcare infrastructure improvements contribute significantly. Additionally, growing awareness about early diagnosis and treatment, coupled with expanding applications of brain imaging in clinical research and drug development, supports the market's expansion. However, the high cost of complex brain monitoring procedures and devices, and unfavorable reimbursement policies are expected to hinder the Global Brain Imaging Devices Market growth during the forecast period 2024-2032.

The key regions considered for the Global Brain Imaging Devices Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, the North American brain imaging devices market dominated the regional market with largest revenue share at 39.21%. The region's advanced healthcare infrastructure and significant investments in medical research and technology are key drivers of this growth. This robust infrastructure supports the adoption of cutting-edge brain imaging technologies. Furthermore, North America hosts numerous medical device manufacturers and neuroscience research institutions, fostering innovation and advancements in brain imaging devices. These factors collectively contribute to the market expansion in this region. Whereas, Asia Pacific is expected to be the fastest growing region during the forecast period.

Major market player included in this report are:

GE Healthcare
Philips Healthcare
Siemens Healthineers
Medtronic Plc
Compumedics Limited
CTF MEG NEURO INNOVATIONS, INC
FieldLine Inc
Cerca Magnetix Limited
Advanced Brain Monitoring, Inc.
Canon Medical Systems Corporation

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

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC
Latin America
Brazil
Mexico
Middle East & Africa
Saudi Arabia
South Africa
RoMEA

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 regional 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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