

Global Brain Mapping Instruments Market Size study, by Product (Computed Axial Tomography (CAT), Positron Emission Tomography (PET), Electroencephalography (EEG), Functional Near-Infrared Spectroscopy (fNIRS), Functional Magnetic Resonance Imaging (fMRI) and Others), By End User (Hospitals, Diagnostic Centers, and Others), and Regional Forecasts 2021-2027

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Abstracts

Global Brain Mapping Instruments Market is valued at approximately USD xx billion in 2020 and is anticipated to grow with a healthy growth rate of more than 5.8% over the forecast period 2021-2027. Modern neurosurgery includes brain mapping as a standard procedure. The structure and function of the human brain are revealed through brain mapping. Brain mapping devices detect anomalies such as tumors, seizures, and physical brain injuries including concussions. The global market for brain mapping instruments is expected to rise throughout the projected period, owing to factors such as an ageing population, an increase in the frequency of neurodegenerative illnesses such as Alzheimer's disease, and rising health concerns. According to the American Medical Association (AMA), by 2030, at least 60% of people aged 65 and up will be suffering from a chronic disease. According to WHO (World Health Organization) data, around 50 million individuals worldwide suffer with epilepsy, with nearly 80% of them living in low- and middle-income countries. During the projected period, the high cost of the technique and equipment is expected to limit market growth. Furthermore, during the forecast period, technical advances in brain mapping tools are expected to promote market growth.

The main regions of Asia Pacific, North America, Europe, Latin America, and the Rest of the World are included in the geographical analysis of the worldwide Brain Mapping Instruments market. In 2020, the North America region dominated the Brain Mapping Instruments market, accounting for a significant amount of total revenue as well as it is also the fastest region in forecasting years. Due to the increased use of technologically improved instruments for brain mapping. Furthermore, throughout the projected period, the market is expected to be propelled by an increase in the prevalence of neurological illnesses in the senior population. During the forecast period, the U.S. government's favourable reimbursement policies for these instruments are expected to boost the market in the region. Alzheimer's dementia affects an estimated 5.8 million people in the United States, according to the Alzheimer's Association. Asia Pacific is predicted to be the fastest expanding market for brain mapping tools throughout the forecast period due to improved health care infrastructure, and the expansion of the worldwide brain mapping devices market in Asia Pacific is expected to be fueled by an increase in the number of diagnostic centres.

Major market players included in this report are:

General Electric Company

Koninklijke Philips N.V.

Siemens

Natus Medical Incorporated

Advanced Brain Monitoring, Inc.

Medtronic

Covidien, PLC.

Nihon Kohden Corporation

GE Healthcare

Omniscient Neurotechnology

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of the competitive landscape and Mode of Operation offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Computed Axial Tomography (CAT)

Position Emission Tomography
Electroencephalography (EEG)
Functional Near-Infrared Spectroscopy (fNIRS)
Functional Magnetic Resonance Imaging (fMRI)

Others

By End User:

Hospitals

Diagnostic Centers

Others

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

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Brain Mapping Instruments Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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