

# **Global Brain Implants Market Size study, by Product (Deep Brain Stimulators, Spinal Cord Stimulators, Vagus Nerve Stimulators), by Application (Chronic Pain, Epilepsy, Parkinson's Disease, Depression, Essential Tremor, Alzheimer's Disease) and Regional Forecasts 2020-2027**

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## **Abstracts**

Global Brain Implants Market is valued approximately at USD 4.2 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 9.1% over the forecast period 2020-2027. Brain implants are a set of neural network implants that linked to the brain's cortex utilizing electronic devices, which are mainly used essentially to reflex, record, cover up, and promote the five senses of the patient's body. Numerous clinical trials are still ongoing in analysis of brain activity of animals through using brain implant technology, and in humans, sometimes they are attached to computer chips to carry out brain analysis, such as electroencephalogram (EEG). Clinical trials on clinical depression or Parkinson's disease are also creating significant developments by encouraging the brain functions and relax the patient's mind, which significantly contributes towards strengthening the adoption of brain implants across the globe. Moreover, the rise in prevalence of neurological diseases such as Alzheimer, Parkinson etc. on account of growing aging population, coupled with the advent of sophisticated technologies such as MRI safety-enabled brain implants are few factors responsible for the high CAGR of the market during the forecast period. According to the Alzheimer's Association, in 2019, there were 5.8 million Americans of all age group are living with Alzheimer's dementia and it is projected to grow to almost 14 million by 2050. Similarly, as per the report of Global Burden of Disease 2015, the global burden of Parkinson's is to be almost 6.2 million in 2015 and this estimation is projected to reach almost 13 million people with Parkinson's by 2040. This, in turn, is likely to strengthen the demand

for Brain Implants, thereby contributing to the market growth around the world. However, the high cost of brain implants devices is one of the major factors that inhibits the market growth over the forecast period of 2020-2027.

The regional analysis of the global Brain Implants market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the rising government support and funding for raising awareness regarding neurological disorders, along with the large presence of market vendors in the region. Whereas Asia-Pacific is anticipated to exhibit the highest growth rate / CAGR over the forecast period 2020-2027. Factors such as the rise in prevalence of neurological diseases, particularly Parkinson and epilepsy, coupled with rapidly growing healthcare infrastructure in the developing nations, such as China and India, are the few factors creating a lucrative opportunity for the growth of the brain implants market in the Asia-Pacific region.

Major market player included in this report are:

Boston Scientific Corporation

Abbott Laboratories

Medtronic plc

Nevro Corp.

NeuroPace, Inc.

Synapse Biomedical Inc.

Aleva Neurotherapeutics SA

Cochlear Ltd.

Terumo Corporation

Edwards Lifesciences Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to 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 competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Deep Brain Stimulators  
Spinal Cord Stimulators  
Vagus Nerve Stimulators

By Application:

Chronic Pain  
Epilepsy  
Parkinson's Disease  
Depression  
Essential Tremor  
Alzheimer's Disease

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 – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Brain Implants 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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