

United States Brain Implants Market By Product Type (Deep Brain Stimulators, Spinal Cord Stimulators, Vagus Nerve Stimulators) By Application (Chronic Pain, Epilepsy, Parkinson's Disease, Depression, Essential Tremor, Alzheimer's Disease) By End User (Hospitals & Clinics, Ambulatory Surgery Centers, Others) By Region, Competition Forecast & Opportunities, 2027

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Abstracts

The United States brain implants market is anticipated to show robust growth in the upcoming five years, 2023-2027. The market growth can be attributed to increasing incidences of neurological conditions, like Parkinson's disease, Alzheimer's, and epilepsy. Moreover, increasing knowledge about the possibilities of brain implants along with their advantages over various neurological diseases is the probable cause behind the exponential growth of the United States brain implants market in the upcoming five years. Also, extensive research is still being carried out to study the functions and aspects of the brain, neurological system, and diseases that affect the brain and nervous system at large. This research has made it possible for the various implants and other treatment methods to be devised and introduced in the market, thereby supporting the growth of the market in the next five years. Furthermore, factors like stress and obesity are the major cause of depression among the population. Depression caused has been proven record to be treated with the usage of brain implants. The rising instances of depression are anticipated to aid the growth of the United States brain implant market in the upcoming five years.

Also, the geriatric population is more susceptible to incurring brain damage, sensory

damage, and suffer from neurological diseases. The increasing geriatric population in the country is expected to drive market growth in the future five years.

The United States brain implants market is segmented by product type, application, end-user, competitive landscape, and regional distribution. Based on product type, the market is further divided into deep brain stimulators, spinal cord stimulators, and vagus nerve stimulators. Deep brain stimulators are medical devices that are electively selected for the procedure of deep brain stimulation as a treatment regime for neurological issues like obsessive-compulsive disorder, Parkinson's disease, dystonia, essential tremor, epilepsy, and Alzheimer's disease. In this surgical procedure electrodes (brain implants) are implanted into certain brain areas. These electrodes generate electrical signals that can control abnormal brain functions. The advantages of the surgical process over multiple neurological disorders that have affected the mass population of the country are the key factor driving the growth of the United States brain implants market in the upcoming five years. Moreover, Vagus nerve stimulators are expected to register the fastest CAGR growth in the upcoming five years. These medical devices are used to stimulate the vagus nerve with electrical impulses which aid in the treatment of epilepsy and depression. The rising cases of epilepsy and depression are the major cause of the future growth of the market until 2027.

A partial list of market players in the United States brain implants market includes Medtronic Plc., Boston Scientific Corporation, St. Jude Medical, Inc. (Abbott), Synapse Biomedical Inc, Nevro Corporation, NDI Medical LLC, Terumo Americas Holding, Inc., Edwards Lifesciences Corporation, NeuroPace, Inc., Synchron Inc., among others. These market players hold larger shares of the market than the new market players. With the advancement of technology, it is appropriate to say that the effective research and development of technologically advanced medical devices would support market growth and benefit the market players as well as the consumers. New market players may focus on research and development to provide devices that satisfy consumer demand as well as benefits the market players in building their brand value. Other competitive strategies include mergers & acquisitions and new product developments.

The objective of the Study:

To analyze the historical growth of the market size of the United States brain implants market from 2017 to 2020.

To estimate and forecast the market size of the United States brain implants market from 2021 to 2027 and the growth rate until 2027.

To classify and forecast the United States brain implants market based on product type, application, end-user, competitive landscape, and regional distribution.

To identify the dominant region or segment in the United States brain implants market.

To identify drivers and challenges for the United States brain implants market.

To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in the United States brain implants market.

To identify and analyze the profile of leading players operating in the United States brain implants market.

To identify key sustainable strategies adopted by market players in the United States brain implants market.

TechSci Research performed both primary as well as exhaustive secondary research for this study. Initially, TechSci Research sourced a list of manufacturers, suppliers, and service providers across the country. Subsequently, TechSci Research conducted primary research surveys with the identified companies. While interviewing, the respondents also enquired about their competitors. Through this technique, TechSci Research could include the manufacturers which could not be identified due to the limitations of secondary research. TechSci Research analyzed the manufacturers, distribution channels, and presence of all major players across the country.

TechSci Research calculated the market size of the United States brain implants market using a bottom-up approach, wherein data for various end-user segments were recorded and forecasted for the future years. TechSci Research sourced these values from industry experts and company representatives and externally validated them by analyzing historical data of these product types and applications for getting an appropriate, overall market size. Various secondary sources such as company websites, news articles, press releases, company annual reports, investor presentations, and financial reports were also studied by TechSci Research.

Key Target Audience:

Brain implants manufacturers, end users, and other stakeholders

Distributors and suppliers of the products and other stakeholders

Organizations, forums, and alliances related to brain implants

Market research and consulting firms

The study is useful in providing answers to several critical questions that are important for the industry stakeholders such as manufacturers, suppliers, end users, etc., besides allowing them in strategizing investments and capitalizing on market opportunities.

Report Scope:

In this report, the United States brain implants market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

United States Brain Implants Market, By Product Type:

Deep Brain Stimulators

Spinal Cord Stimulators

Vagus Nerve Stimulators

United States Brain Implants Market, By Application:

Chronic Pain

Epilepsy

Parkinson's Disease

Depression

Essential Tremor

Alzheimer's Disease

United States Brain Implants Market, By End User:

Hospitals & Clinics

Ambulatory Surgery Centers

Others

United States Brain Implants Market, By Region:

South

West

Mid-West

North East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United States brain implants market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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