

# Global Implantable Neurostimulation Devices Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## **Abstracts**

According to our (Global Info Research) latest study, the global Implantable Neurostimulation Devices market size was valued at USD 6832.2 million in 2023 and is forecast to a readjusted size of USD 13930 million by 2030 with a CAGR of 10.7% during review period.

Neurostimulation is a therapeutic activation of part of the nervous system using microelectrodes. The electrodes are used to interface with excitable tissue in order to either restore sensation, such as a cochlear implant for hearing, or control anorgan, such as a heart pacemaker.

Neurostimulation technology improves the life quality of those who are severely paralyzed or suffering from profound losses to various sense organs. It serves as the key part of neural prosthetics for hearing aids, artificial vision, artificial limbs, and brain-machine interfaces. In the case of neural stimulation, mostly an electrical stimulation is utilized and charge-balanced biphasic constant current waveforms of capacitive coupled charge injection approaches are adopted. Alternatively, the transcranial magnetic stimulation has been proposed as a non-invasive method in which a magnetic field causes neurostimulation.

Neurostimulation devices are implantable devices that help in the therapeutic activation of the nervous systems. These devices deliver electrical stimulation to the brain and nervous systems for the treatment of various types of neurological disorders such as pain, epilepsy, Parkinson's disease, depression, obsessive-compulsive disorder, dystonia, and tremors. These devices target specific areas of the brain or spinal cord by blocking the pain messages before they reach the brain.



Global Implantable Neurostimulation Devices key players include Medtronic, Boston Scientific, St. Jude Medical (Abbott), etc. Global top three manufacturers hold a share over 75%.

North America is the largest market, with a share over 80%, followed by Europe, and Asia (Ex.China), both have a share about 10 percent.

In terms of product, Spinal Cord Stimulation (SCS) is the largest segment, with a share over 55%. And in terms of application, the largest application is Pain Management, followed by Parkinson's Disease, Epilepsy, Urinary and Fecal Incontinence, etc.

The Global Info Research report includes an overview of the development of the Implantable Neurostimulation Devices industry chain, the market status of Pain Management (Spinal Cord Stimulation (SCS), Gastric Electric Stimulation (GES)), Parkinson's Disease (Spinal Cord Stimulation (SCS), Gastric Electric Stimulation (GES)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Implantable Neurostimulation Devices.

Regionally, the report analyzes the Implantable Neurostimulation Devices markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Implantable Neurostimulation Devices market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Implantable Neurostimulation Devices market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Implantable Neurostimulation Devices industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Spinal Cord Stimulation (SCS), Gastric Electric Stimulation (GES)).



Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Implantable Neurostimulation Devices market.

Regional Analysis: The report involves examining the Implantable Neurostimulation Devices market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Implantable Neurostimulation Devices market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Implantable Neurostimulation Devices:

Company Analysis: Report covers individual Implantable Neurostimulation Devices manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Implantable Neurostimulation Devices This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Pain Management, Parkinson's Disease).

Technology Analysis: Report covers specific technologies relevant to Implantable Neurostimulation Devices. It assesses the current state, advancements, and potential future developments in Implantable Neurostimulation Devices areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Implantable Neurostimulation Devices market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through



primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Implantable Neurostimulation Devices market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Spinal Cord Stimulation (SCS)

Gastric Electric Stimulation (GES)

Deep Brain Stimulation (DBS)

Sacral Nerve Stimulation (SNS)

Vagus Nerve Stimulation (VNS)

Others

Market segment by Application

Pain Management

Parkinson's Disease

Urinary and Fecal Incontinence

Epilepsy

Gastroparesis

Others



# Major players covered Medtronic **Boston Scientific** St. Jude Medical (Abbott) LivaNova Nevro NeuroPace **Beijing Pins** Synapse Biomedical Market segment by region, regional analysis covers North America (United States, Canada and Mexico) Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe) Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia) South America (Brazil, Argentina, Colombia, and Rest of South America)

The content of the study subjects, includes a total of 15 chapters:

Middle East & Africa)

Chapter 1, to describe Implantable Neurostimulation Devices product scope, market overview, market estimation caveats and base year.

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of

Chapter 2, to profile the top manufacturers of Implantable Neurostimulation Devices,

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with price, sales, revenue and global market share of Implantable Neurostimulation Devices from 2019 to 2024.

Chapter 3, the Implantable Neurostimulation Devices competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Implantable Neurostimulation Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Implantable Neurostimulation Devices market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Implantable Neurostimulation Devices.

Chapter 14 and 15, to describe Implantable Neurostimulation Devices sales channel, distributors, customers, research findings and conclusion.



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