

# **North America Deep Brain Stimulation Devices Market By Applications (Parkinson's disease, Epilepsy, Essential Tremor, Dystonia, Obsessive Compulsive Disorder and Other Applications) By End User (Neurological Clinics, Ambulatory Surgical Centers, Hospital and Others) By Country, Industry Analysis and Forecast, 2019 - 2025**

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## **Abstracts**

The North America Deep Brain Stimulation Devices Market would witness market growth of 15.4% CAGR during the forecast period (2019-2025).

Several commercially available electrodes are capable of delivering directional current, and require adjustments to a particular targeted area. This advancement helps refine the stimulation paradigms and avoid unwanted DBS side effects. Additionally, while most DBS systems include a constant train of electrical stimulations, there is increasing interest in closed-loop DBS in which stimulation is turned on the basis of detecting the presence of a pathological physiological signal. Some of the signals might include the occurrence of an electroencephalographic abnormality in patients with epilepsy<sup>43</sup> or the increase in oscillatory activity in patients with PD.

In the United States alone, the total direct and indirect costs of Parkinson's in the United States have determined costs equivalent to billions of dollars that include treatment, disability, and related expenses, along with the lost income due to the inability of the patients to work. This has prompted the original equipment manufacturers (OEMs) to build cost-effective tools for the treatment of neurological movement disorders, combined with unpredictable economic conditions in the United States. In 2015, the US Food and Drug Administration (FDA) approved deep brain stimulation (DBS) system to

treat Parkinson's disease and essential tremor, called Brio System.

Based on Application, the market is segmented into Bronchoscopy, GI endoscopy, ENT Endoscopy, Urologic endoscopy, Arthroscopy and Others. Based on End Use, the market is segmented into Diagnostic Centers, Clinics and Hospitals. Based on Applications, the market is segmented into Parkinson's disease, Epilepsy, Essential Tremor, Dystonia, Obsessive Compulsive Disorder and Other Applications. Based on End User, the market is segmented into Neurological Clinics, Ambulatory Surgical Centers, Hospital and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Abbott Laboratories, Medtronic PLC, Boston Scientific Corporation, Aleva Neurotherapeutics SA, Functional Neuromodulation, Ltd., Beijing PINS Medical Co., Ltd., NeuroPace, Inc., Nevro Corporation, Neuronetics, Inc., and Fisher Wallace Laboratories, Inc.

#### Scope of the Study

#### Market Segmentation:

##### By Application

Bronchoscopy

GI endoscopy

ENT Endoscopy

Urologic endoscopy

Arthroscopy and

Others

##### By End Use

Diagnostic Centers

Clinics and

Hospitals

### By Applications

Parkinson's disease

Epilepsy

Essential Tremor

Dystonia

Obsessive Compulsive Disorder and

Other Applications

### By End User

Neurological Clinics

Ambulatory Surgical Centers

Hospital and

Others

### By Country

US

Canada

Mexico

Rest of North America

### Companies Profiled

Abbott Laboratories

Medtronic PLC

Boston Scientific Corporation

Aleva Neurotherapeutics SA

Functional Neuromodulation, Ltd.

Beijing PINS Medical Co., Ltd.

NeuroPace, Inc.

Nevro Corporation

Neuronetics, Inc.

Fisher Wallace Laboratories, Inc.

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