

# **Global Neurotech Devices Market Size study & Forecast, by Product (Neurostimulation, Neuroprostheses, Neurosensing, Neurorehabilitation Devices), by Conditions (Pain Management, Cognitive Disorders, Epilepsy, Urinary and Fecal Incontinence, Hearing Conditions, Parkinson's Disease, Depression, Sleep Disorders, Essential Tremor), by End-use (Hospitals, Ambulatory Surgical Centers, Homecare Facilities) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/GBC01A3EC882EN.html>

Date: May 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GBC01A3EC882EN

## **Abstracts**

Global Neurotech Devices Market is valued approximately USD 10.90 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 14.5% over the forecast period 2022-2029. The neurotech devices market refers to the industry that develops and sells devices that are used to diagnose and treat neurological disorders. These devices use various technologies to interface with the nervous system, including electrical stimulation, optogenetics, and neural prosthetics. Examples of neurotech devices include brain-computer interfaces, deep brain stimulators, neurostimulators, and neuromodulators. The major driving factor for the market are rising prevalence of neurological disorders, growing geriatric population and increasing investment in research and development. Moreover, rising technological advancements and growing demand for non-invasive and minimally invasive treatments is creating lucrative growth opportunity for the market over the forecast period 2022-2029.

There has been a significant increase in the number of people affected by neurological

disorders such as Alzheimer's disease, Parkinson's disease, and epilepsy. According to the World Health Organization, neurological disorders are responsible for 6.3% of the global disease burden. This has led to an increase in demand for innovative and effective treatments, which has driven the growth of the neurotech devices market. Along with this, rapid advancements in technology have led to the development of more sophisticated and effective neurotech devices. For example, the development of brain-computer interfaces has allowed paralyzed individuals to control prosthetic limbs using their thoughts. These technological advancement have increased the efficacy and scope of neurotech devices, leading to greater demand and growth in the market. However, the high cost of Neurotech Devices stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Neurotech Devices Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominates the global neurotech devices market due to factors such as increasing prevalence of neurological disorders, rising investment in research and development, favorable regulatory framework, and advanced healthcare infrastructure. The United States has

- the largest market in North America, accounting for the majority of the regional market share. The Asia Pacific region is expected to witness the fastest growth in the neurotech devices market due to factors such as increasing prevalence of neurological disorders, rising investment in research and development, and growing healthcare infrastructure. China, Japan, and India are the major markets in the region.

Major market player included in this report are:

Medtronic

Abbott Laboratories

Boston Scientific Corporation

Cochlear Limited

Stryker Corporation

LivaNova

Nihon Kohden Corporation

NeuroPace

NeuroMetrix

BrainScope

Recent Developments in the Market:

In January 2021, Medtronic launched its latest deep brain stimulation system, the

Percept PC neurostimulator, which features brain sensing technology that can record and track brain signals for more personalized therapy.

In October 2020, Abbott Laboratories received approval from the US FDA for its Infinity DBS system, a deep brain stimulation system for the treatment of Parkinson's disease.

In November 2020, Boston Scientific announced positive results from a clinical trial of its Vercise Genus deep brain stimulation system for the treatment of Parkinson's disease.

In September 2020, Cochlear Limited received approval from the US FDA for its Osia 2 bone conduction hearing implant system.

In October 2020, Stryker Corporation completed its acquisition of Wright Medical, a medical device company that specializes in orthopedics, including neurotech devices for the treatment of foot and ankle disorders.

Global Neurotech Devices Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Product, Conditions, End-use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential 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:

Neurostimulation

Neuroprostheses

Neurosensing

Neurorehabilitation Devices

By Conditions:

Pain Management

Cognitive Disorders  
Epilepsy  
Urinary and Fecal Incontinence  
Hearing Conditions  
Parkinson's Disease  
Depression  
Sleep Disorders  
Essential Tremor  
By End-use:  
Hospitals  
Ambulatory Surgical Centers  
Homecare Facilities

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

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
  - 1.2.1. Neurotech Devices Market, by Region, 2019-2029 (USD Billion)
  - 1.2.2. Neurotech Devices Market, by Product, 2019-2029 (USD Billion)
  - 1.2.3. Neurotech Devices Market, by Conditions, 2019-2029 (USD Billion)
  - 1.2.4. Neurotech Devices Market, by End-use, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL NEUROTECH DEVICES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL NEUROTECH DEVICES MARKET DYNAMICS

- 3.1. Neurotech Devices Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rising prevalence of neurological disorders
    - 3.1.1.2. Growing Geriatric Population
    - 3.1.1.3. Increasing investment in research and development
  - 3.1.2. Market Challenges
    - 3.1.2.1. High cost of Neurotech Devices
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Rising technological advancements
    - 3.1.3.2. Growing demand for non-invasive and minimally invasive treatments

### CHAPTER 4. GLOBAL NEUROTECH DEVICES MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL NEUROTECH DEVICES MARKET, BY PRODUCT**

- 6.1. Market Snapshot
- 6.2. Global Neurotech Devices Market by Product, Performance - Potential Analysis
- 6.3. Global Neurotech Devices Market Estimates & Forecasts by Product 2019-2029 (USD Billion)
- 6.4. Neurotech Devices Market, Sub Segment Analysis
  - 6.4.1. Neurostimulation
  - 6.4.2. Neuroprostheses
  - 6.4.3. Neurosensing
  - 6.4.4. Neurorehabilitation Devices

## **CHAPTER 7. GLOBAL NEUROTECH DEVICES MARKET, BY CONDITIONS**

- 7.1. Market Snapshot
- 7.2. Global Neurotech Devices Market by Conditions, Performance - Potential Analysis
- 7.3. Global Neurotech Devices Market Estimates & Forecasts by Conditions 2019-2029 (USD Billion)

## 7.4. Neurotech Devices Market, Sub Segment Analysis

- 7.4.1. Pain Management
- 7.4.2. Cognitive Disorders
- 7.4.3. Epilepsy
- 7.4.4. Urinary and Fecal Incontinence
- 7.4.5. Hearing Conditions
- 7.4.6. Parkinson's Disease
- 7.4.7. Depression
- 7.4.8. Sleep Disorders
- 7.4.9. Essential Tremor

## **CHAPTER 8. GLOBAL NEUROTECH DEVICES MARKET, BY END-USE**

### 8.1. Market Snapshot

### 8.2. Global Neurotech Devices Market by End-use, Performance - Potential Analysis

### 8.3. Global Neurotech Devices Market Estimates & Forecasts by End-use 2019-2029 (USD Billion)

### 8.4. Neurotech Devices Market, Sub Segment Analysis

- 8.4.1. Hospitals
- 8.4.2. Ambulatory Surgical Centers
- 8.4.3. Homecare Facilities

## **CHAPTER 9. GLOBAL NEUROTECH DEVICES MARKET, REGIONAL ANALYSIS**

### 9.1. Neurotech Devices Market, Regional Market Snapshot

### 9.2. North America Neurotech Devices Market

#### 9.2.1. U.S. Neurotech Devices Market

- 9.2.1.1. Product breakdown estimates & forecasts, 2019-2029
- 9.2.1.2. Conditions breakdown estimates & forecasts, 2019-2029
- 9.2.1.3. End-use breakdown estimates & forecasts, 2019-2029

#### 9.2.2. Canada Neurotech Devices Market

### 9.3. Europe Neurotech Devices Market Snapshot

- 9.3.1. U.K. Neurotech Devices Market
- 9.3.2. Germany Neurotech Devices Market
- 9.3.3. France Neurotech Devices Market
- 9.3.4. Spain Neurotech Devices Market
- 9.3.5. Italy Neurotech Devices Market
- 9.3.6. Rest of Europe Neurotech Devices Market

### 9.4. Asia-Pacific Neurotech Devices Market Snapshot

- 9.4.1. China Neurotech Devices Market
- 9.4.2. India Neurotech Devices Market
- 9.4.3. Japan Neurotech Devices Market
- 9.4.4. Australia Neurotech Devices Market
- 9.4.5. South Korea Neurotech Devices Market
- 9.4.6. Rest of Asia Pacific Neurotech Devices Market
- 9.5. Latin America Neurotech Devices Market Snapshot
  - 9.5.1. Brazil Neurotech Devices Market
  - 9.5.2. Mexico Neurotech Devices Market
- 9.6. Rest of The World Neurotech Devices Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Medtronic
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject to Data Availability)
    - 10.2.1.4. Product Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. Medtronic
  - 10.2.3. Abbott Laboratories
  - 10.2.4. Boston Scientific Corporation
  - 10.2.5. Cochlear Limited
  - 10.2.6. Stryker Corporation
  - 10.2.7. LivaNova
  - 10.2.8. Nihon Kohden Corporation
  - 10.2.9. NeuroPace
  - 10.2.10. NeuroMetrix
  - 10.2.11. BrainScope

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation



- 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Neurotech Devices Market, report scope

TABLE 2. Global Neurotech Devices Market estimates & forecasts by Region  
2019-2029 (USD Billion)

TABLE 3. Global Neurotech Devices Market estimates & forecasts by Product  
2019-2029 (USD Billion)

TABLE 4. Global Neurotech Devices Market estimates & forecasts by Conditions  
2019-2029 (USD Billion)

TABLE 5. Global Neurotech Devices Market estimates & forecasts by End-use  
2019-2029 (USD Billion)

TABLE 6. Global Neurotech Devices Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 7. Global Neurotech Devices Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 8. Global Neurotech Devices Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 9. Global Neurotech Devices Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 10. Global Neurotech Devices Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 11. Global Neurotech Devices Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 12. Global Neurotech Devices Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 13. Global Neurotech Devices Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 14. Global Neurotech Devices Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 15. Global Neurotech Devices Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 16. U.S. Neurotech Devices Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 17. U.S. Neurotech Devices Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 18. U.S. Neurotech Devices Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 19. Canada Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 20. Canada Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 23. UK Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 26. Germany Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 29. France Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 32. Italy Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 35. Spain Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 38. RoE Neurotech Devices Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. RoE Neurotech Devices Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 40. China Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 41. China Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. China Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 44. India Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. India Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 47. Japan Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. Japan Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 50. South Korea Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. South Korea Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 53. Australia Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. Australia Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 56. RoAPAC Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. RoAPAC Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. Brazil Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 59. Brazil Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 62. Mexico Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 65. RoLA Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. RoLA Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row Neurotech Devices Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 68. Row Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. Row Neurotech Devices Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Neurotech Devices Market

TABLE 71. List of primary sources, used in the study of global Neurotech Devices Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Neurotech Devices Market, research methodology
  - FIG 2. Global Neurotech Devices Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Neurotech Devices Market, key trends 2021
  - FIG 5. Global Neurotech Devices Market, growth prospects 2022-2029
  - FIG 6. Global Neurotech Devices Market, porters 5 force model
  - FIG 7. Global Neurotech Devices Market, pest analysis
  - FIG 8. Global Neurotech Devices Market, value chain analysis
  - FIG 9. Global Neurotech Devices Market by segment, 2019 & 2029 (USD Billion)
  - FIG 10. Global Neurotech Devices Market by segment, 2019 & 2029 (USD Billion)
  - FIG 11. Global Neurotech Devices Market by segment, 2019 & 2029 (USD Billion)
  - FIG 12. Global Neurotech Devices Market by segment, 2019 & 2029 (USD Billion)
  - FIG 13. Global Neurotech Devices Market by segment, 2019 & 2029 (USD Billion)
  - FIG 14. Global Neurotech Devices Market, regional snapshot 2019 & 2029
  - FIG 15. North America Neurotech Devices Market 2019 & 2029 (USD Billion)
  - FIG 16. Europe Neurotech Devices Market 2019 & 2029 (USD Billion)
  - FIG 17. Asia pacific Neurotech Devices Market 2019 & 2029 (USD Billion)
  - FIG 18. Latin America Neurotech Devices Market 2019 & 2029 (USD Billion)
  - FIG 19. Global Neurotech Devices Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Neurotech Devices Market Size study & Forecast, by Product (Neurostimulation, Neuroprostheses, Neurosensing, Neurorehabilitation Devices), by Conditions (Pain Management, Cognitive Disorders, Epilepsy, Urinary and Fecal Incontinence, Hearing Conditions, Parkinson's Disease, Depression, Sleep Disorders, Essential Tremor), by End-use (Hospitals, Ambulatory Surgical Centers, Homecare Facilities) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/GBC01A3EC882EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GBC01A3EC882EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970