

Neurorehabilitation Devices Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Product Type (Neurorobotic System, Brain Computer Interface, Non-invasive Stimulators, and Wearable Devices), Application (Stroke, Traumatic Brain Injury, Spinal Cord Injury, Parkinson's Disease, Cerebral Palsy, and Others), End User (Rehabilitation Centers, Hospitals and Clinics, and Home Care), and Geography

<https://marketpublishers.com/r/N970D7FBE38EEN.html>

Date: October 2024

Pages: 169

Price: US\$ 5,190.00 (Single User License)

ID: N970D7FBE38EEN

Abstracts

The neurorehabilitation devices market size is expected to grow from US\$ 2.72 billion in 2023 to US\$ 7.08 billion by 2031; it is projected to register a CAGR of 12.7% during 2023-2031. The increasing prevalence of neurological diseases worldwide and the growing number of clinical studies on neurorehabilitation devices are noteworthy factors contributing to the expansion of the neurorehabilitation devices market size. However, the high cost of neurorehabilitation devices hinders the neurorehabilitation devices market growth.

Technological advancements in neurorehabilitation devices are improving patient outcomes, safety, and the overall efficiency of neurological disease management. Neuroolutions Inc., a Washington University startup company, developed a device called the IpsiHand Upper Extremity Rehabilitation System, which helps people disabled by stroke regain control over their arm and hand function by using their minds. In April 2021, the company received market authorization from the Food and Drug

Administration (FDA) for its IpsiHand Upper Extremity Rehabilitation System, which leverages brain-computer interface (BCI) technology licensed by the university. In April 2024, India-based K Physio and Rehab Clinic announced the launch of the groundbreaking Advanced Exoskeletal Neuro Device, revolutionizing neurorehabilitation. The device provides faster recovery to fully and partially paralyzed patients. In February 2023, MindMaze announced the US and EU launch of Izar, a “first-of-its-kind” US FDA-listed and CE-marked smart device for patients with impairment in hand motor function. The device is one of the most effective hand dexterity and strength treatments used in a wide range of neurological conditions. Such technological developments are likely to bring new trends in the neurorehabilitation devices market in the coming years.

Application -Based Insights

Based on application, the neurorehabilitation devices market is segmented into stroke, traumatic brain injury, spinal cord injury, Parkinson's disease, cerebral palsy, and others. The stroke segment held the largest neurorehabilitation devices market share in 2023. Stroke remains one of the leading causes of long-term disability worldwide, significantly impacting individuals and their families. As the global population ages and lifestyle diseases increase, the incidence of stroke is projected to rise, highlighting the critical need for effective rehabilitation solutions. The surge in cases of chronic disorders such as hypertension and diabetes are a major contributing factor to the increasing prevalence of stroke. According to the World Stroke Organization 2024 report, globally, 12.2 million people experience stroke every year, leading to 6.5 million deaths, and there were more than 100 million people in the world who experienced stroke in 2023. Therefore, the growing prevalence of stroke, owing to increasing lifestyle diseases, is expected to create a demand for neurorehabilitation to support recovery and improve the quality of life.

The World Health Organization, Global Stroke Fact Sheet, and Parkinson's Foundation are among the primary and secondary sources referred to while preparing the neurorehabilitation devices market report.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macro-economic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country level data:

4. NEUROREHABILITATION DEVICES MARKET LANDSCAPE

- 4.1 Overview
- 4.2 PEST Analysis
- 4.3 Average Selling Price

5. NEUROREHABILITATION DEVICES MARKET – KEY MARKET DYNAMICS

- 5.1 Neurorehabilitation Devices Market – Key Market Dynamics
- 5.2 Market Drivers
 - 5.2.1 Increasing Prevalence of Neurological Diseases
 - 5.2.2 Growing Number of Clinical Studies on Neurorehabilitation Devices
- 5.3 Market Restraints
 - 5.3.1 High Costs Associated with Neurorehabilitation Devices
- 5.4 Market Opportunities
 - 5.4.1 Strategic Initiatives by Market Players
- 5.5 Future Trends
 - 5.5.1 Technological Advancements

5.6 Impact of Drivers and Restraints:

6. NEUROREHABILITATION DEVICES MARKET – GLOBAL MARKET ANALYSIS

6.1 Neurorehabilitation Devices Market Revenue (US\$ Million), 2021–2031

6.2 Neurorehabilitation Devices Market Forecast Analysis

7. NEUROREHABILITATION DEVICES MARKET ANALYSIS – BY PRODUCT TYPE

7.1 Neurorobotic System

7.1.1 Overview

7.1.2 Neurorobotic System: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

7.2 Brain Computer Interface

7.2.1 Overview

7.2.2 Brain Computer Interface: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

7.3 Non-invasive Stimulators

7.3.1 Overview

7.3.2 Non-invasive Stimulators: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

7.4 Wearable Devices

7.4.1 Overview

7.4.2 Wearable Devices: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

8. NEUROREHABILITATION DEVICES MARKET ANALYSIS – BY APPLICATION

8.1 Stroke

8.1.1 Overview

8.1.2 Stroke: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

8.2 Traumatic Brain Injury

8.2.1 Overview

8.2.2 Traumatic Brain Injury: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

8.3 Spinal Cord Injury

8.3.1 Overview

8.3.2 Spinal Cord Injury: Neurorehabilitation Devices Market – Revenue and Forecast

to 2031 (US\$ Million)

8.4 Parkinsons Disease

8.4.1 Overview

8.4.2 Parkinsons Disease: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

8.5 Cerebral Palsy

8.5.1 Overview

8.5.2 Cerebral Palsy: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

8.6 Others

8.6.1 Overview

8.6.2 Others: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

9. NEUROREHABILITATION DEVICES MARKET ANALYSIS – BY END USER

9.1 Rehabilitation Centers

9.1.1 Overview

9.1.2 Rehabilitation Centers: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

9.2 Hospitals and Clinics

9.2.1 Overview

9.2.2 Hospitals and Clinics: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

9.3 Home Care

9.3.1 Overview

9.3.2 Home Care: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10. NEUROREHABILITATION DEVICES MARKET – GEOGRAPHICAL ANALYSIS

10.1 Overview

10.2 North America

10.2.1 North America Neurorehabilitation Devices Market Overview

10.2.2 North America: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.3 North America: Neurorehabilitation Devices Market –Forecast Analysis – by Product Type

10.2.4 North America: Neurorehabilitation Devices Market – Revenue and Forecast

Analysis – by Application

10.2.5 North America: Neurorehabilitation Devices Market – Revenue and Forecast

Analysis – by End User

10.2.6 North America: Neurorehabilitation Devices Market – Revenue and Forecast

Analysis – by Country

10.2.6.1 United States: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.6.1.1 United States: Neurorehabilitation Devices Market Breakdown, by Product Type

10.2.6.1.2 United States: Neurorehabilitation Devices Market Breakdown, by Application

10.2.6.1.3 United States: Neurorehabilitation Devices Market Breakdown, by End User

10.2.6.2 Canada: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.6.2.1 Canada: Neurorehabilitation Devices Market Breakdown, by Product Type

10.2.6.2.2 Canada: Neurorehabilitation Devices Market Breakdown, by Application

10.2.6.2.3 Canada: Neurorehabilitation Devices Market Breakdown, by End User

10.2.6.3 Mexico: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.2.6.3.1 Mexico: Neurorehabilitation Devices Market Breakdown, by Product Type

10.2.6.3.2 Mexico: Neurorehabilitation Devices Market Breakdown, by Application

10.2.6.3.3 Mexico: Neurorehabilitation Devices Market Breakdown, by End User

10.3 Europe

10.3.1 Europe Neurorehabilitation Devices Market Overview

10.3.2 Europe: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.3 Europe: Neurorehabilitation Devices Market –Forecast Analysis – by Product Type

10.3.4 Europe: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Application

10.3.5 Europe: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by End User

10.3.6 Europe: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Country

10.3.6.1 United Kingdom: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.1.1 United Kingdom: Neurorehabilitation Devices Market Breakdown, by

Product Type

10.3.6.1.2 United Kingdom: Neurorehabilitation Devices Market Breakdown, by Application

10.3.6.1.3 United Kingdom: Neurorehabilitation Devices Market Breakdown, by End User

10.3.6.2 Germany: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.2.1 Germany: Neurorehabilitation Devices Market Breakdown, by Product Type

10.3.6.2.2 Germany: Neurorehabilitation Devices Market Breakdown, by Application

10.3.6.2.3 Germany: Neurorehabilitation Devices Market Breakdown, by End User

10.3.6.3 France: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.3.1 France: Neurorehabilitation Devices Market Breakdown, by Product Type

10.3.6.3.2 France: Neurorehabilitation Devices Market Breakdown, by Application

10.3.6.3.3 France: Neurorehabilitation Devices Market Breakdown, by End User

10.3.6.4 Spain: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.4.1 Spain: Neurorehabilitation Devices Market Breakdown, by Product Type

10.3.6.4.2 Spain: Neurorehabilitation Devices Market Breakdown, by Application

10.3.6.4.3 Spain: Neurorehabilitation Devices Market Breakdown, by End User

10.3.6.5 Italy: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.5.1 Italy: Neurorehabilitation Devices Market Breakdown, by Product Type

10.3.6.5.2 Italy: Neurorehabilitation Devices Market Breakdown, by Application

10.3.6.5.3 Italy: Neurorehabilitation Devices Market Breakdown, by End User

10.3.6.6 Rest of Europe: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.3.6.6.1 Rest of Europe: Neurorehabilitation Devices Market Breakdown, by Product Type

10.3.6.6.2 Rest of Europe: Neurorehabilitation Devices Market Breakdown, by Application

10.3.6.6.3 Rest of Europe: Neurorehabilitation Devices Market Breakdown, by End User

10.4 Asia Pacific

10.4.1 Asia Pacific Neurorehabilitation Devices Market Overview

10.4.2 Asia Pacific: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.3 Asia Pacific: Neurorehabilitation Devices Market –Forecast Analysis – by

Product Type

10.4.4 Asia Pacific: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Application

10.4.5 Asia Pacific: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by End User

10.4.6 Asia Pacific: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Country

10.4.6.1 China: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.1.1 China: Neurorehabilitation Devices Market Breakdown, by Product Type

10.4.6.1.2 China: Neurorehabilitation Devices Market Breakdown, by Application

10.4.6.1.3 China: Neurorehabilitation Devices Market Breakdown, by End User

10.4.6.2 Japan: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.2.1 Japan: Neurorehabilitation Devices Market Breakdown, by Product Type

10.4.6.2.2 Japan: Neurorehabilitation Devices Market Breakdown, by Application

10.4.6.2.3 Japan: Neurorehabilitation Devices Market Breakdown, by End User

10.4.6.3 India: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.3.1 India: Neurorehabilitation Devices Market Breakdown, by Product Type

10.4.6.3.2 India: Neurorehabilitation Devices Market Breakdown, by Application

10.4.6.3.3 India: Neurorehabilitation Devices Market Breakdown, by End User

10.4.6.4 Australia: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.4.1 Australia: Neurorehabilitation Devices Market Breakdown, by Product Type

10.4.6.4.2 Australia: Neurorehabilitation Devices Market Breakdown, by Application

10.4.6.4.3 Australia: Neurorehabilitation Devices Market Breakdown, by End User

10.4.6.5 South Korea: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.5.1 South Korea: Neurorehabilitation Devices Market Breakdown, by Product Type

10.4.6.5.2 South Korea: Neurorehabilitation Devices Market Breakdown, by Application

10.4.6.5.3 South Korea: Neurorehabilitation Devices Market Breakdown, by End User

10.4.6.6 Rest of APAC: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.4.6.6.1 Rest of APAC: Neurorehabilitation Devices Market Breakdown, by

Product Type

10.4.6.6.2 Rest of APAC: Neurorehabilitation Devices Market Breakdown, by Application

10.4.6.6.3 Rest of APAC: Neurorehabilitation Devices Market Breakdown, by End User

10.5 Middle East and Africa

10.5.1 Middle East and Africa Neurorehabilitation Devices Market Overview

10.5.2 Middle East and Africa: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.3 Middle East and Africa: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Product Type

10.5.4 Middle East and Africa: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Application

10.5.5 Middle East and Africa: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by End User

10.5.6 Middle East and Africa: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Country

10.5.6.1 Saudi Arabia: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.1.1 Saudi Arabia: Neurorehabilitation Devices Market Breakdown, by Product Type

10.5.6.1.2 Saudi Arabia: Neurorehabilitation Devices Market Breakdown, by Application

10.5.6.1.3 Saudi Arabia: Neurorehabilitation Devices Market Breakdown, by End User

10.5.6.2 South Africa: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.2.1 South Africa: Neurorehabilitation Devices Market Breakdown, by Product Type

10.5.6.2.2 South Africa: Neurorehabilitation Devices Market Breakdown, by Application

10.5.6.2.3 South Africa: Neurorehabilitation Devices Market Breakdown, by End User

10.5.6.3 United Arab Emirates: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.3.1 United Arab Emirates: Neurorehabilitation Devices Market Breakdown, by Product Type

10.5.6.3.2 United Arab Emirates: Neurorehabilitation Devices Market Breakdown, by Application

10.5.6.3.3 United Arab Emirates: Neurorehabilitation Devices Market Breakdown, by End User

10.5.6.4 Rest of Middle East and Africa: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.5.6.4.1 Rest of Middle East and Africa: Neurorehabilitation Devices Market Breakdown, by Product Type

10.5.6.4.2 Rest of Middle East and Africa: Neurorehabilitation Devices Market Breakdown, by Application

10.5.6.4.3 Rest of Middle East and Africa: Neurorehabilitation Devices Market Breakdown, by End User

10.6 South and Central America

10.6.1 South and Central America Neurorehabilitation Devices Market Overview

10.6.2 South and Central America: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.3 South and Central America: Neurorehabilitation Devices Market –Forecast Analysis – by Product Type

10.6.4 South and Central America: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Application

10.6.5 South and Central America: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by End User

10.6.6 South and Central America: Neurorehabilitation Devices Market – Revenue and Forecast Analysis – by Country

10.6.6.1 Brazil: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.6.1.1 Brazil: Neurorehabilitation Devices Market Breakdown, by Product Type

10.6.6.1.2 Brazil: Neurorehabilitation Devices Market Breakdown, by Application

10.6.6.1.3 Brazil: Neurorehabilitation Devices Market Breakdown, by End User

10.6.6.2 Argentina: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.6.2.1 Argentina: Neurorehabilitation Devices Market Breakdown, by Product Type

10.6.6.2.2 Argentina: Neurorehabilitation Devices Market Breakdown, by Application

10.6.6.2.3 Argentina: Neurorehabilitation Devices Market Breakdown, by End User

10.6.6.3 Rest of South and Central America: Neurorehabilitation Devices Market – Revenue and Forecast to 2031 (US\$ Million)

10.6.6.3.1 Rest of South and Central America: Neurorehabilitation Devices Market Breakdown, by Product Type

10.6.6.3.2 Rest of South and Central America: Neurorehabilitation Devices Market Breakdown, by Application

10.6.6.3.3 Rest of South and Central America: Neurorehabilitation Devices Market
Breakdown, by End User

11. NEUROREHABILITATION DEVICES MARKET – INDUSTRY LANDSCAPE

11.1 Overview

11.2 Growth Strategies in Neurorehabilitation Devices Market

11.3 Organic Growth Strategies

11.3.1 Overview

11.4 Inorganic Growth Strategies

11.4.1 Overview

12. COMPANY PROFILES

12.1 Blackrock Microsystems Inc

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

12.1.4 Financial Overview

12.1.5 SWOT Analysis

12.1.6 Key Developments

12.2 Hocoma AG

12.2.1 Key Facts

12.2.2 Business Description

12.2.3 Products and Services

12.2.4 Financial Overview

12.2.5 SWOT Analysis

12.2.6 Key Developments

12.3 Medtronic Plc

12.3.1 Key Facts

12.3.2 Business Description

12.3.3 Products and Services

12.3.4 Financial Overview

12.3.5 SWOT Analysis

12.3.6 Key Developments

12.4 Tyromotion GmbH

12.4.1 Key Facts

12.4.2 Business Description

12.4.3 Products and Services

- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments
- 12.5 Ekso Bionics Holdings Inc
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Products and Services
 - 12.5.4 Financial Overview
 - 12.5.5 SWOT Analysis
 - 12.5.6 Key Developments
- 12.6 BIONIK
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Abbott Laboratories
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Products and Services
 - 12.7.4 Financial Overview
 - 12.7.5 SWOT Analysis
 - 12.7.6 Key Developments
- 12.8 Renishaw Plc
 - 12.8.1 Key Facts
 - 12.8.2 Business Description
 - 12.8.3 Products and Services
 - 12.8.4 Financial Overview
 - 12.8.5 SWOT Analysis
 - 12.8.6 Key Developments
- 12.9 EMOTIV
 - 12.9.1 Key Facts
 - 12.9.2 Business Description
 - 12.9.3 Products and Services
 - 12.9.4 Financial Overview
 - 12.9.5 SWOT Analysis
 - 12.9.6 Key Developments
- 12.10 BioXtreme Ltd

- 12.10.1 Key Facts
- 12.10.2 Business Description
- 12.10.3 Products and Services
- 12.10.4 Financial Overview
- 12.10.5 SWOT Analysis
- 12.10.6 Key Developments

13. APPENDIX

- 13.1 About The Insight Partners
- 13.2 Glossary of Terms

I would like to order

Product name: Neurorehabilitation Devices Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Product Type (Neurorobotic System, Brain Computer Interface, Non-invasive Stimulators, and Wearable Devices), Application (Stroke, Traumatic Brain Injury, Spinal Cord Injury, Parkinson's Disease, Cerebral Palsy, and Others), End User (Rehabilitation Centers, Hospitals and Clinics, and Home Care), and Geography

Product link: <https://marketpublishers.com/r/N970D7FBE38EEN.html>

Price: US\$ 5,190.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N970D7FBE38EEN.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