

North America Neurorehabilitation Devices Market Forecast to 2031 - Regional Analysis - 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), and End User (Rehabilitation Centers, Hospitals and Clinics, and Home Care)

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Abstracts

The North America neurorehabilitation devices market was valued at US\$ 1,512.12 million in 2023 and is expected to reach US\$ 3,891.70 million by 2031; it is estimated to register a CAGR of 12.5% from 2023 to 2031.

Increasing Prevalence of Neurological Diseases Fuels North America Neurorehabilitation Devices Market

Patients suffering from neurological diseases such as stroke, Parkinson's disease, multiple sclerosis (MS), Alzheimer's disease, and cerebral palsy require neurorehabilitation devices to improve their motor skills, cognitive abilities, and overall quality of life.

Stroke is a leading cause of long-term disability and reduces mobility in half of stroke survivors aged 65 and older. As per the Global Stroke Fact Sheet 2022, every year, there are more than 12.2 million new strokes. One in four people over 25 are likely to have a stroke in their lifetime. The factsheet also stated that there are more than 101 million people currently living across the globe who have already experienced a stroke.

The Centers for Disease Control and Prevention estimated that annually, more than 795,000 people in the US have a stroke.

Neurorehabilitation devices are widely used to improve memory and communication difficulties and reduce neuropsychiatric symptoms, thereby helping improve the quality of life of dementia patients. Per the World Health Organization fact sheet in 2023, globally, more than 55 million people have dementia, and approximately 10 million new cases are diagnosed every year.

As per the Parkinson's Foundation, in 2022, approximately one million people in the US had Parkinson's disease, and ~90,000 new cases are diagnosed every year. The number of patients who have Parkinson's disease is expected to rise to 1.2 million by 2030.

The increasing prevalence of neurological diseases worldwide creates a burden on healthcare systems, bolstering the demand for neurorehabilitation devices.

North America Neurorehabilitation Devices Market Overview

The North America neurorehabilitation devices Market is segmented into the US, Canada, and Mexico. The US is one of the most developed countries in North America. The country accounts for the major market share owing to the surging prevalence of neurological disorders, followed by the surging technological advancement in the field of neurorehabilitation devices. A large portion of the US population suffers from neurological conditions such as multiple sclerosis, cerebral palsy, etc. According to the Birth Injury Justice Center, cerebral palsy is the most common physical childhood disability affecting 1 million people in the US. Moreover, an increasing number of neuro rehab centers equipped with advanced technology is also expected to support the market growth during the forecast period. For instance, in June 2024, Neurofenix launched a virtual clinic for home-based Neuro Rehab in Florida to help patients perform varied exercises aimed at improving motor skills and functional ability, all from the comfort of their homes. In addition, in October 2020, Neuro Rehab VR its XR Therapy System, a clinically validated and FDA-registered virtual reality (VR) therapy system for neurological rehabilitation and physical therapy treatment and assessment in clinical environments. Therefore, above mentioned factors are expected to boost the neurorehabilitation market growth in the coming years.

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

North America Neurorehabilitation Devices Market Segmentation

The North America neurorehabilitation devices market is categorized into product type, application, end user, and country.

By product type, the North America neurorehabilitation devices market is segmented into neurorobotic system, brain computer interface, non-invasive stimulators, and wearable devices. The brain computer interface segment held the largest share of the North America neurorehabilitation devices market share in 2023.

In terms of application, the North America 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 share of the North America neurorehabilitation devices market share in 2023.

By end user, the North America neurorehabilitation devices market is segmented into rehabilitation centers, hospitals & clinics, and home care. The hospitals & clinics segment held the largest share of the North America neurorehabilitation devices market share in 2023.

Based on country, the North America neurorehabilitation devices market is segmented into the US, Canada, and Mexico. The US segment held the largest share of North America neurorehabilitation devices Market in 2023.

Abbott Laboratories, BIONIK, BioXtreme Ltd, Blackrock Microsystems Inc, Ekso Bionics Holdings Inc, EMOTIV, Hocoma AG, Medtronic Plc, Renishaw Plc, and Tyromotion GmbH are some of the leading companies operating in the North America neurorehabilitation devices market.

Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the North America neurorehabilitation devices market.

Highlights key business priorities to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the North America neurorehabilitation devices market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth North America market trends and outlook coupled with the factors driving the North America neurorehabilitation devices market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

The List of Companies - North America Neurorehabilitation Devices Market

Abbott Laboratories

BIONIK

BioXtreme Ltd

Blackrock Microsystems Inc

Ekso Bionics Holdings Inc

EMOTIV

Hocoma AG

Medtronic Plc

Renishaw Plc

Tyromotion GmbH

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