

## **Global Rehabilitation Robots Market Report and Forecast 2023-2031**

Market Report | 2023-04-28 | 140 pages | EMR Inc.

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### **Report description:**

Global Rehabilitation Robots Market Report and Forecast 2023-2031

Global Rehabilitation Robots Market Outlook

The value of the global rehabilitation robots market was USD 0.70 billion in 2022, driven by the development of advanced robotic technologies that offer better patient outcomes across the globe. The market is expected to grow at a CAGR of 20.85% during the forecast period of 2023-2031 to reach value of USD 3.81 billion by 2031.

Rehabilitation Robots Introduction

Rehabilitation robots are automated devices or robotic systems that help people recovering from a range of conditions, including stroke, spinal cord injuries, traumatic brain injuries, and neuromuscular disorders, to regain their strength and mobility. These robots work in conjunction with physical therapists or occupational therapists to provide patients with repetitive, intensive, and task-specific therapy. Rehabilitation robots are designed to perform various tasks, such as helping patients improve their range of motion, muscle strength, and coordination, and helping them to relearn activities of daily living. These robots are also used to monitor and track the progress of patients and provide real-time feedback to therapists. Overall, rehabilitation robots are intended to improve the effectiveness of rehabilitation programs, shorten recovery time, and enhance patients' quality of life.

Rehabilitation Robots: Application and Uses

Rehabilitation robots are used to assist patients with functional recovery, and are mainly used in physical therapy and rehabilitation centres. Some common applications and uses of rehabilitation robots include:

- Stroke rehabilitation: Rehabilitation robots can help stroke patients to improve their motor function, balance, and gait by providing repetitive and task-specific training.
- Spinal cord injury rehabilitation: Patients with spinal cord injuries can use rehabilitation robots to improve their upper and lower extremity function, mobility, and independence.
- Traumatic brain injury rehabilitation: Rehabilitation robots can assist patients with traumatic brain injuries to recover their cognitive, motor, and sensory functions.
- Paediatric rehabilitation: Rehabilitation robots can be used to help children with developmental disabilities to improve their motor skills, hand-eye coordination, and cognitive abilities.
- Sports injury rehabilitation: Athletes who have suffered injuries can use rehabilitation robots to recover their strength, endurance,

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and flexibility.

-□Elderly care: Rehabilitation robots can also be used in elderly care to help seniors maintain their mobility, independence, and quality of life.

#### Global Rehabilitation Robots Market Segmentations

##### Market breakup by Type

- Assistive Robots
- Therapeutic Robots
- Exoskeletal Robots
- Others

##### Market breakup by End User

- Hospitals and Clinics
- Senior Care Facilities
- Homecare Settings

##### Market Breakup by Region

###### North America

- United States of America
- Canada

###### Europe

- United Kingdom
- Germany
- France
- Italy
- Others

###### Asia Pacific

- China
- Japan
- India
- ASEAN
- Australia
- Others

###### Latin America

- Brazil
- Argentina
- Mexico
- Others

###### Middle East and Africa

- Saudi Arabia
- United Arab Emirates
- Nigeria
- South Africa

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-□Others

#### Global Rehabilitation Robots Market Scenario

The market growth can be attributed to factors such as an increase in the prevalence of stroke and spinal cord injuries, a growing elderly population, and the development of advanced robotic technologies that offer better patient outcomes. Additionally, the COVID-19 pandemic has accelerated the adoption of rehabilitation robots as they can minimize the risk of exposure to healthcare workers and provide remote access to rehabilitation services.

Geographically, North America is expected to dominate the market during the forecast period due to the high adoption of rehabilitation robots in the region, increased healthcare expenditure, and favourable reimbursement policies. The Asia Pacific region is expected to witness significant growth during the forecast period due to factors such as a large population base, rising geriatric population, and increasing healthcare expenditure in countries like China and India.

#### Key Players in the Global Rehabilitation Robots Market

The report gives an in-depth analysis of the key players involved in the global rehabilitation robots market. The companies included in the market are as follows:

- Rex Bionics Ltd.
- Ekso Bionics
- Bionik
- Cyberdyne Inc.
- Hocoma AG
- ReWalk Robotics Ltd
- Rehab-Robotics Company Limited
- Life Science Robotics ApS
- Tyromotion GmbH

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