

# Global Exoskeleton Market Size study, by Treatment Type (Rehabilitation, Augmentation), by Body Part Type(Upper Body, Lower Body), by Product Type(Stationary, Mobile)and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/GC6C2E8EE2DDEN.html>

Date: July 2024

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: GC6C2E8EE2DDEN

## Abstracts

Global Exoskeleton Market is valued at approximately USD 341.3 million in 2020 and is anticipated to grow with a healthy growth rate of more than 46.2 % over the forecast period 2021-2027. Despite the fact that exoskeletons have been around for a long time, the market for them is expanding due to factors such as increased demand from the healthcare sector for robotic rehabilitation, breakthroughs in robotic technologies, and large investments in exoskeleton technology development. There has been an increase in demand for these robotic rehabilitation devices, which is on the rise as the global prevalence of disability rises. According to WHO statistics from 2018, over a billion people are expected to live with a disability. This equates to approximately 15% of the world's population. Between 110 million (2.2%) to 190 million (3.8%) people aged 15 and up are experiencing considerable challenges in their daily lives. More crucially, according to the research, the disabled population is growing, owing primarily to the growing senior population. According to the UN's population projections, the world elderly population would reach 2.1 billion by 2050. Furthermore, disability rates are rising, owing in part to an ageing population and a rise in chronic health issues. As a result, robotic rehabilitation applications and the market for these systems are rapidly expanding. A robot developed at McGill University that assists wheelchair-bound people with rising and walking is one example. Gait training and neuro-rehabilitation are aided by it. Other researchers and businesses are working on solutions that use robotics and 3D printing to aid people with mobility impairments caused by a damaged spinal cord or owing to other causes. However, regulatory challenges for securing approvals for medical applications of exoskeletons may impede market growth over the forecast period of 2021-2027.

The regional analysis of the global Exoskeleton Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World (ROW). Asia Pacific is the leading region across the world in terms of market share due to high purchasing power of patients, growing geriatric population, and presence of public and private organizations in the region. Whereas North America is also anticipated to exhibit the highest growth rate over the forecast period 2021-2027, due to increase in the population of elderly and disabled persons in APAC, especially in China and Japan

Major market player included in this report are:

Cyberdyne Inc.  
Ekso Bionics Holdings  
Rewalk Robotics  
Bionik Laboratories Corp.  
Parker-Hannifin Corp.  
Bioservo Technologies AB  
Gogoa Mobility Robots  
Rehab-Robotics Company Limited  
Bioness Inc.  
B-Temia Inc.

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Treatment Type:

Rehabilitation  
Augmentation

By Body Part Type:

Upper Body  
Lower Body

By Product Type:

Stationary

Mobile

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

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018-19

Base year – 2019-2020

Forecast period – 2021 to 2027.

Target Audience of the Global Exoskeleton Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers  
Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
  - 1.2.1. Exoskeleton Market , by Region, 2019-2027 (USD Billion)
  - 1.2.2. Exoskeleton Market , by Treatment Type, 2019-2027 (USD Billion)
  - 1.2.3. Exoskeleton Market , by Body Part Type, 2019-2027 (USD Billion)
  - 1.2.4. Exoskeleton Market , by Product Type, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL EXOSKELETON 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 EXOSKELETON MARKET DYNAMICS

- 3.1. Exoskeleton Market Impact Analysis (2019-2027)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Growing demand from healthcare sector for robotic rehabilitation
    - 3.1.1.2. Advancements in robotic technologies
  - 3.1.2. Market Restraint
    - 3.1.2.1. Regulatory challenges for securing approvals for medical applications of exoskeletons
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Introduction of soft actuators

### CHAPTER 4. GLOBAL EXOSKELETON 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
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL EXOSKELETON MARKET , BY TREATMENT TYPE**

- 5.1. Market Snapshot
- 5.2. Global Exoskeleton Market by Treatment Type , Performance - Potential Analysis
- 5.3. Global Exoskeleton Market Estimates & Forecasts by Treatment Type 2018-2027 (USD Billion)
- 5.4. Exoskeleton Market , Sub Segment Analysis
  - 5.4.1. Rehabilitation
  - 5.4.2. Augmentation

## **CHAPTER 6. GLOBAL EXOSKELETON MARKET , BY BODY PART TYPE**

- 6.1. Market Snapshot
- 6.2. Global Exoskeleton Market by Body Part Type, Performance - Potential Analysis
- 6.3. Global Exoskeleton Market Estimates & Forecasts by Body Part Type 2018-2027 (USD Billion)
- 6.4. Exoskeleton Market , Sub Segment Analysis
  - 6.4.1. Upper Body
  - 6.4.2. Lower Body

## **CHAPTER 7. GLOBAL EXOSKELETON MARKET , BY PRODUCT TYPE**

- 7.1. Market Snapshot
- 7.2. Global Exoskeleton Market by Product Type, Performance - Potential Analysis
- 7.3. Global Exoskeleton Market Estimates & Forecasts by Product Type 2018-2027 (USD Billion)

## 7.4. Exoskeleton Market , Sub Segment Analysis

### 7.4.1. Stationary

### 7.4.2. Mobile

## **CHAPTER 8. GLOBAL EXOSKELETON MARKET , REGIONAL ANALYSIS**

### 8.1. Exoskeleton Market , Regional Market Snapshot

### 8.2. North America Exoskeleton Market

#### 8.2.1. U.S. Exoskeleton Market

##### 8.2.1.1. Treatment Type breakdown estimates & forecasts, 2018-2027

##### 8.2.1.2. Body Part Type breakdown estimates & forecasts, 2018-2027

##### 8.2.1.3. Product Type breakdown estimates & forecasts, 2018-2027

#### 8.2.2. Canada Exoskeleton Market

### 8.3. Europe Exoskeleton Market Snapshot

#### 8.3.1. U.K. Exoskeleton Market

#### 8.3.2. Germany Exoskeleton Market

#### 8.3.3. France Exoskeleton Market

#### 8.3.4. Spain Exoskeleton Market

#### 8.3.5. Italy Exoskeleton Market

#### 8.3.6. Rest of Europe Exoskeleton Market

### 8.4. Asia-Pacific Exoskeleton Market Snapshot

#### 8.4.1. China Exoskeleton Market

#### 8.4.2. India Exoskeleton Market

#### 8.4.3. Japan Exoskeleton Market

#### 8.4.4. Australia Exoskeleton Market

#### 8.4.5. South Korea Exoskeleton Market

#### 8.4.6. Rest of Asia Pacific Exoskeleton Market

### 8.5. Latin America Exoskeleton Market Snapshot

#### 8.5.1. Brazil Exoskeleton Market

#### 8.5.2. Mexico Exoskeleton Market

### 8.6. Rest of The World Exoskeleton Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

### 9.1. Top Market Strategies

### 9.2. Company Profiles

#### 9.2.1. Cyberdyne Inc.

##### 9.2.1.1. Key Information

##### 9.2.1.2. Overview

- 9.2.1.3. Financial (Subject to Data Availability)
- 9.2.1.4. Product Summary
- 9.2.1.5. Recent Developments
- 9.2.2. Ekso Bionics Holdings
- 9.2.3. Rewalk Robotics
- 9.2.4. Bionik Laboratories Corp.
- 9.2.5. Parker-Hannifin Corp.
- 9.2.6. Bioservo Technologies AB
- 9.2.7. Gogo Mobility Robots
- 9.2.8. Rehab-Robotics Company Limited
- 9.2.9. Bioness Inc.
- 9.2.10. B-Temia Inc.

## **CHAPTER 10. RESEARCH BODY PART TYPE**

- 10.1. Research Body Part Type
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Exoskeleton Market , report scope

TABLE 2. Global Exoskeleton Market estimates & forecasts by region 2018-2027 (USD Billion)

TABLE 3. Global Exoskeleton Market estimates & forecasts by Treatment Type 2018-2027 (USD Billion)

TABLE 4. Global Exoskeleton Market estimates & forecasts by Body Part Type 2018-2027 (USD Billion)

TABLE 5. Global Exoskeleton Market estimates & forecasts by Product Type 2018-2027 (USD Billion)

TABLE 6. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 7. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 8. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 9. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 10. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 11. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 12. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 13. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 14. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 15. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 16. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 17. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 18. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027 (USD Billion)

TABLE 19. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027  
(USD Billion)

TABLE 20. Global Exoskeleton Market by segment, estimates & forecasts, 2018-2027  
(USD Billion)

TABLE 21. Global Exoskeleton Market by region, estimates & forecasts, 2018-2027  
(USD Billion)

TABLE 22. U.S. Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 23. U.S. Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 24. U.S. Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 25. Canada Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 26. Canada Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 27. Canada Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 28. UK Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 29. UK Exoskeleton Market estimates & forecasts by segment 2018-2027 (USD  
Billion)

TABLE 30. UK Exoskeleton Market estimates & forecasts by segment 2018-2027 (USD  
Billion)

TABLE 31. Germany Exoskeleton Market estimates & forecasts, 2018-2027 (USD  
Billion)

TABLE 32. Germany Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 33. Germany Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 34. France Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 35. France Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 36. France Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 37. Spain Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 38. Spain Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 39. Spain Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 40. Italy Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 41. Italy Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 42. Italy Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 43. ROE Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 44. ROE Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 45. ROE Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 46. China Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 47. China Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 48. China Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 49. India Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 50. India Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 51. India Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 52. Japan Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 53. Japan Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 54. Japan Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 55. Australia Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 56. Australia Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 57. Australia Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 58. South Korea Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 59. South Korea Exoskeleton Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 60. South Korea Exoskeleton Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 61. ROPAC Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 62. ROPAC Exoskeleton Market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 63. ROPAC Exoskeleton Market estimates & forecasts by segment 2018-2027

(USD Billion)

TABLE 64. Brazil Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 65. Brazil Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 66. Brazil Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 67. Mexico Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 68. Mexico Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 69. Mexico Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 70. ROLA Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 71. ROLA Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 72. ROLA Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 73. ROW Exoskeleton Market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 74. ROW Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 75. ROW Exoskeleton Market estimates & forecasts by segment 2018-2027  
(USD Billion)

TABLE 76. List of secondary sources used in the study of global Exoskeleton Market .

TABLE 77. List of primary sources used in the study of global Exoskeleton Market .

TABLE 78. Years considered for the study.

TABLE 79. Exchange rates considered.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Exoskeleton Market , research methodology
- FIG 2. Global Exoskeleton Market , market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Exoskeleton Market , key trends 2019
- FIG 5. Global Exoskeleton Market , growth prospects 2020-2027
- FIG 6. Global Exoskeleton Market , porters 5 force model
- FIG 7. Global Exoskeleton Market , pest analysis
- FIG 8. Global Exoskeleton Market , value chain analysis
- FIG 9. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 15. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 16. Global Exoskeleton Market by segment, 2018 & 2027 (USD Billion)
- FIG 17. Global Exoskeleton Market , regional snapshot 2018 & 2027
- FIG 18. North America Exoskeleton Market 2018 & 2027 (USD Billion)
- FIG 19. Europe Exoskeleton Market 2018 & 2027 (USD Billion)
- FIG 20. Asia-Pacific Exoskeleton Market 2018 & 2027 (USD Billion)
- FIG 21. Latin America Exoskeleton Market 2018 & 2027 (USD Billion)
- FIG 22. Global Exoskeleton Market , company market share analysis (2019)

## I would like to order

Product name: Global Exoskeleton Market Size study, by Treatment Type (Rehabilitation, Augmentation), by Body Part Type(Upper Body, Lower Body), by Product Type( Stationary, Mobile)and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/GC6C2E8EE2DDEN.html>

Price: US\$ 3,218.00 (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/GC6C2E8EE2DDEN.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