

# **Spinal Implants & Devices Market Size, Share & Trends Analysis Report By Product, By Technology, By Surgery Type, By Procedure Type, And Segment Forecasts, 2022 - 2030**

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## **Abstracts**

**This report can be delivered to the clients within 3 Business Days**

### **Spinal Implants & Devices Market Growth & Trends**

The global spinal implants & devices market size is expected to reach USD 19.0 billion by 2030 and is expected to expand at a CAGR of 5.1% in the forecast period, from 2022 to 2030, according to a new report by Grand View Research, Inc. The growing number of vehicular accidents is leading to increasing new cases of spinal cord injuries (SCIs). Other causes of SCIs include falls, violence, acts of violence, sports and recreation injuries, and diseases. Vehicular or road accidents and falls account for the majority of SCI cases.

Fall-induced SCI is common among people aged 65 years and above. Acts of violence such as gunshot wounds or knife wounds account for around 12% of SCI cases. Sports activities such as diving in shallow water and impact sports lead to nearly 10% of SCIs. Cancer, osteoporosis, arthritis, and inflammation of the spinal cord also cause SCI.

Based on National Spinal Cord Injury Statistical Center data, around 296,000 U.S. population are currently living with SCI. SCI cases are rising; according to WHO, about 90 % of SCI cases are traumatic, however, the number of non-traumatic SCI cases is rising. Further, it stated that around 20-30% of SCI patients showed clinically significant signs of depression. This adversely affects patients' improvements in functioning and overall health. The consequences associated with SCI arise mainly due to inadequate

access to medical care and rehabilitation services. Approximately 5-15 % of the population in middle- and low-income countries have access to the assisted devices needed to post spinal surgery.

Technological innovations in the field of spine surgery is also driving the market growth. Aprevo, by Carlsmed, is the first digital-to-device patient-specific interbody technology to treat adult spinal deformity (ASD). This system uses patient imaging data to create patient and surgeon-specific plans and develops personalized 3D printed spinal implants to achieve each plan. The titanium aprevo implants are personalized by shape, size, height, and coronal and lordotic angles. Since these implants provide more effective ASD treatment than a standard of care, so, in 2021, the U.S. FDA awarded aprevo Breakthrough Technology status.

### Spinal Implants & Devices Market Report Highlight

Spinal fusion devices dominated the market in 2021 because it is considered the gold standard and has been widely used in spinal surgery, however, non-fusion devices such as dynamic stabilization devices and total disc replacement (TDR) are being preferred more among the young and active patients.

With the rising preference for minimally invasive surgeries (MIS), the need for spinal implant surgeries has increased. The rate of recovery is comparatively more in MIS as compared to open surgery which has further led to the high growth of MIS.

North America dominated the market in 2021 due to the launch of new products and technological advancements in the U.S.

Key players are also undertaking various strategic initiatives that have led to their high revenue growth in the U.S.

## Contents

### CHAPTER 1 RESEARCH METHODOLOGY

- 1.1 Research Methodology
  - 1.1.1 Information procurement
  - 1.1.2 Purchased database:
  - 1.1.3 GVR's Internal Database
  - 1.1.4 Secondary sources
  - 1.1.5 Third-Party Perspective
  - 1.1.6 Primary Research:
- 1.2 Information or Data Analysis
- 1.3 Market Formulation & Validation
- 1.4 List of Secondary Sources
- 1.5 List of Primary Sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Outlook
- 2.2 Segment Outlook
- 2.3 Competitive Insights
- 2.4 Market Snapshot

### CHAPTER 3 INDUSTRY OUTLOOK

- 3.1 Market Segmentation
- 3.2 Market Lineage Outlook
  - 3.2.1 Parent market outlook: Orthopedic Implants Market
  - 3.2.2 Related/ancillary market outlook
- 3.3 Penetration & Growth Prospect Mapping
- 3.4 User Perspective Analysis
  - 3.4.1 Consumer Behavior Analysis
  - 3.4.2 Market Influencer Analysis
- 3.5 List of Key End Users
- 3.6 Regulatory Framework, by Country
  - 3.6.1 U.S.
  - 3.6.2 Canada
  - 3.6.3 UK
  - 3.6.4 Germany

- 3.6.5 France
- 3.6.6 Italy
- 3.6.7 Spain
- 3.6.8 Russia
- 3.6.9 Japan
- 3.6.10 China
- 3.6.11 India
- 3.6.12 Australia
- 3.6.13 South Korea
- 3.6.14 Singapore
- 3.6.15 Brazil
- 3.6.16 Mexico
- 3.6.17 Argentina
- 3.6.18 South Africa
- 3.6.19 UAE
- 3.6.20 Saudi Arabia
- 3.7 Market Driver Analysis
  - 3.7.1 Rise in spinal cord injuries and disorders
  - 3.7.2 Technological advancements in the spine market
  - 3.7.3 Rising market competition amongst prominent market entities
- 3.8 Market Restraint Analysis
  - 3.8.1 Lack of developed reimbursement policies
- 3.9 Industry Challenges
- 3.10 Spinal Implants and Devices Market Analysis Tools
  - 3.10.1 Industry Analysis - Porter's Five Forces Analysis
    - 3.10.1.1 Threat of new entrants
    - 3.10.1.2 Bargaining power of suppliers
    - 3.10.1.3 Competitive rivalry
    - 3.10.1.4 Bargaining power of buyers
    - 3.10.1.5 Threat of substitutes
- 3.11 Major Deals & Strategic Alliances Analysis
- 3.12 Market Entry Strategies
- 3.13 Spinal Implants and Devices Market - PESTL Analysis
- 3.14 COVID-19 Impact on Spinal Implants and Devices Market

## **CHAPTER 4 SPINAL IMPLANTS AND DEVICES MARKET: PRODUCT ESTIMATES & TREND ANALYSIS**

### **4.1 Definitions & Scope**

## 4.2 Market: Product Movement Analysis, USD Million, 2021 & 2030

### 4.3 Spinal Fusion Devices

#### 4.3.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 4.3.2 Thoracic & Lumbar Fusion Devices

##### 4.3.2.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 4.3.3 Cervical Fusion Devices

##### 4.3.3.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 4.4 Spinal Biologics

#### 4.4.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 4.4.2 Allografts

##### 4.4.2.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 4.4.3 Xenografts

##### 4.4.3.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 4.4.4 DBM

##### 4.4.4.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 4.4.5 BMP

##### 4.4.5.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 4.4.6 Synthetic Bone Grafts

##### 4.4.6.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 4.5 Vertebral Compression Fracture Treatment Devices

#### 4.5.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 4.6 Non-fusion Devices

#### 4.6.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 4.7 Spinal Bone Growth Stimulators

#### 4.7.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

## **CHAPTER 5 SPINAL IMPLANTS AND DEVICES MARKET: TECHNOLOGY ESTIMATES & TREND ANALYSIS**

### 5.1 Definitions & Scope

### 5.2 Market: Technology Movement Analysis, USD Million, 2021 & 2030

### 5.3 Spinal Fusion and Fixation Technologies

#### 5.3.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 5.4 Vertebral Compression Fracture Treatment

#### 5.4.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 5.4.2 Vertebroplasty

##### 5.4.2.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

#### 5.4.3 Kyphoplasty/Vertebral Augmentation

##### 5.4.3.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

## 5.5 Motion Preservation Technologies

### 5.5.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

## **CHAPTER 6 SPINAL IMPLANTS AND DEVICES MARKET: SURGERY TYPE ESTIMATES & TREND ANALYSIS**

### 6.1 Definitions & Scope

### 6.2 Market: Surgery Type Movement Analysis, USD Million, 2021 & 2030

### 6.3 Open Surgery

#### 6.3.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 6.4 Minimally Invasive Surgery

#### 6.4.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

## **CHAPTER 7 SPINAL IMPLANTS AND DEVICES MARKET: PROCEDURE TYPE ESTIMATES & TREND ANALYSIS**

### 7.1 Definitions & Scope

### 7.2 Market: Procedure Type Movement Analysis, USD Million, 2021 & 2030

### 7.3 Discectomy

#### 7.3.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 7.4 Laminotomy

#### 7.4.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 7.5 Foraminotomy

#### 7.5.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 7.6 Corpectomy

#### 7.6.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

### 7.7 Facetectomy

#### 7.7.1 Market Revenue Estimates and Forecasts, 2016 - 2030 (USD Million)

## **CHAPTER 8 SPINAL IMPLANTS AND DEVICES MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

### 8.1 Regional Dashboard

### 8.2 Regional Market Share Analysis, By Leading Players, 2021

#### 8.2.1 North America

#### 8.2.2 Europe

#### 8.2.3 Asia Pacific

#### 8.2.4 Latin America

#### 8.2.5 MEA

### 8.3 SWOT Analysis, by Factor (Political, Legal, Economic, and Technological)

#### 8.3.1 North America

#### 8.3.2 Europe

#### 8.3.3 the Asia Pacific

#### 8.3.4 Latin America

#### 8.3.5 MEA

### 8.4 Spinal Implants and Devices Market: Regional Movement Analysis

#### 8.5 North America

##### 8.5.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.5.2 U.S.

###### 8.5.2.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.5.3 Canada

###### 8.5.3.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

#### 8.6 Europe

##### 8.6.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.6.2 UK

###### 8.6.2.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.6.3 Germany

###### 8.6.3.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.6.4 France

###### 8.6.4.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.6.5 Italy

###### 8.6.5.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.6.6 Spain

###### 8.6.6.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.6.7 Russia

###### 8.6.7.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

#### 8.7 Asia Pacific

##### 8.7.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.7.2 China

###### 8.7.2.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.7.3 Japan

###### 8.7.3.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.7.4 India

###### 8.7.4.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.7.5 Australia

###### 8.7.5.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.7.6 South Korea

###### 8.7.6.1 Market estimates and forecasts, 2016 - 2030 (USD Million)



#### 8.7.7 Singapore

8.7.7.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

#### 8.8 Latin America

8.8.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.8.2 Brazil

8.8.2.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.8.3 Mexico

8.8.3.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.8.4 Argentina

8.8.4.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

#### 8.9 MEA

8.9.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.9.2 South Africa

8.9.2.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.9.3 Saudi Arabia

8.9.3.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

##### 8.9.4 UAE

8.9.4.1 Market estimates and forecasts, 2016 - 2030 (USD Million)

## CHAPTER 9 COMPETITIVE ANALYSIS

### 9.1 Recent Developments & Impact Analysis, By Key Market Participants

9.1.1 Medtronic

9.1.2 Johnson & Johnson

9.1.3 Stryker

9.1.4 NuVasive

9.1.5 Zimmer Biomet

9.1.6 Globus Medical, Inc.

9.1.7 Alphatec Spine, Inc.

9.1.8 Orthofix Holdings, Inc.

9.1.9 RTI Surgical Holdings

9.1.10 Ulrich GmbH & Co. KG

9.1.11 B. Braun Melsungen AG

9.1.12 Seaspine Holdings Corporation

### 9.2 Company Categorization (Key Innovators, Market Leaders, Emerging Players)

### 9.3 Vendor Landscape

9.3.1 List of key distributors and channel partners

9.3.2 Key customers

9.3.3 Company Market Share Analysis, 2021



## 9.4 Public Companies

### 9.4.1 Company Market Position Analysis

### 9.4.2 Company Market Share/Ranking, by region

### 9.4.3 Competitive Dashboard Analysis

#### 9.4.3.1 Market Differentiators

#### 9.4.3.2 Synergy Analysis: Major Deals & Strategic Alliances

##### 9.4.3.2.1 Investments

##### 9.4.3.2.2 Partnerships

##### 9.4.3.2.3 Merger & Acquisition

## 9.5 Private Companies

### 9.5.1 List of key emerging companies/technology disruptors/innovators

### 9.5.2 Regional network map

### 9.5.3 Company market position analysis (geographic presence, product portfolio, key alliance, industry experience)

### 9.5.4 Supplier Ranking

## 9.6 Key Companies Profiled

### 9.6.1 Medtronic

#### 9.6.1.1 Company overview

#### 9.6.1.2 Financial performance

#### 9.6.1.3 Product benchmarking

#### 9.6.1.4 Strategic initiatives

### 9.6.2 Johnson & Johnson

#### 9.6.2.1 Company overview

#### 9.6.2.2 Financial performance

#### 9.6.2.3 Product benchmarking

#### 9.6.2.4 Strategic initiatives

### 9.6.3 Stryker

#### 9.6.3.1 Company overview

#### 9.6.3.2 Financial performance

#### 9.6.3.3 Product benchmarking

#### 9.6.3.4 Strategic initiatives

### 9.6.4 NuVasive

#### 9.6.4.1 Company overview

#### 9.6.4.2 Financial performance

#### 9.6.4.3 Product benchmarking

#### 9.6.4.4 Strategic initiatives

### 9.6.5 Zimmer Biomet

#### 9.6.5.1 Company overview

#### 9.6.5.2 Financial performance

- 9.6.5.3 Product benchmarking
- 9.6.5.4 Strategic initiatives
- 9.6.6 Globus Medical, Inc.
  - 9.6.6.1 Company overview
  - 9.6.6.2 Financial performance
  - 9.6.6.3 Product benchmarking
  - 9.6.6.4 Strategic initiatives
- 9.6.7 Alphatec Spine, Inc.
  - 9.6.7.1 Company overview
  - 9.6.7.2 Financial performance
  - 9.6.7.3 Product benchmarking
  - 9.6.7.4 Strategic initiatives
- 9.6.8 Orthofix Holdings, Inc.
  - 9.6.8.1 Company overview
  - 9.6.8.2 Financial performance
  - 9.6.8.3 Product benchmarking
  - 9.6.8.4 Strategic initiatives
- 9.6.9 RTI Surgical Holdings
  - 9.6.9.1 Company Overview
  - 9.6.9.2 Financial performance
  - 9.6.9.3 Product Benchmarking
  - 9.6.9.4 Strategic Initiatives
- 9.6.10 ulrich GmbH & Co. KG
  - 9.6.10.1 Company overview
  - 9.6.10.2 Financial performance
  - 9.6.10.3 Product benchmarking
  - 9.6.10.4 Strategic initiatives
- 9.6.11 B. Braun Melsungen AG
  - 9.6.11.1 Company overview
  - 9.6.11.2 Financial performance
  - 9.6.11.3 Product benchmarking
  - 9.6.11.4 Strategic initiatives
- 9.6.12 Seaspine Holdings Corporation
  - 9.6.12.1 Company overview
  - 9.6.12.2 Financial performance
  - 9.6.12.3 Product benchmarking
  - 9.6.12.4 Strategic initiatives

## List Of Tables

### LIST OF TABLES

Table 1 List of secondary sources

Table 2 List of Abbreviation

Table 3 North America spinal implants and devices market, by country, 2016 - 2030 (USD Million)

Table 4 North America spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 5 North America spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 6 North America spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 7 North America spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 8 North America spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 9 North America spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 10 North America spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 11 U.S. spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 12 U.S. spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 13 U.S. spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 14 U.S. spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 15 U.S. spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 16 U.S. spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 17 U.S. spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 18 Canada spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 19 Canada spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 20 Canada spinal implants and devices market, by spinal biologics, 2016 - 2030

(USD Million)

Table 21 Canada spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 22 Canada spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 23 Canada spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 24 Canada spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 25 Europe spinal implants and devices market, by country, 2016 - 2030 (USD Million)

Table 26 Europe spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 27 Europe spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 28 Europe spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 29 Europe spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 30 Europe spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 31 Europe spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 32 Europe spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 33 UK spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 34 UK spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 35 UK spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 36 UK spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 37 UK spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 38 UK spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 39 UK spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 40 Germany spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 41 Germany spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 42 Germany spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 43 Germany spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 44 Germany spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 45 Germany spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 46 Germany spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 47 France spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 48 France spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 49 France spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 50 France spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 51 France spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 52 France spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 53 France spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 54 Italy spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 55 Italy spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 56 Italy spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 57 Italy spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 58 Italy spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 59 Italy spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 60 Italy spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 61 Spain spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 62 Spain spinal implants and devices market, by spinal fusion devices, 2016 -

2030 (USD Million)

Table 63 Spain spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 64 Spain spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 65 Spain spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 66 Spain spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 67 Spain spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 68 Russia spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 69 Russia spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 70 Russia spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 71 Russia spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 72 Russia spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 73 Russia spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 74 Russia spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 75 Asia Pacific spinal implants and devices market, by country, 2016 - 2030 (USD Million)

Table 76 Asia Pacific spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 77 Asia Pacific spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 78 Asia Pacific spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 79 Asia Pacific spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 80 Asia Pacific spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 81 Asia Pacific spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 82 Asia Pacific spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)



Table 83 China spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 84 China spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 85 China spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 86 China spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 87 China spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 88 China spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 89 China spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 90 Japan spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 91 Japan spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 92 Japan spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 93 Japan spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 94 Japan spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 95 Japan spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 96 Japan spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 97 India spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 98 India spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 99 India spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 100 India spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 101 India spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 102 India spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 103 India spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)



Table 104 Australia spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 105 Australia spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 106 Australia spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 107 Australia spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 108 Australia spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 109 Australia spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 110 Australia spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 111 South Korea spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 112 South Korea spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 113 South Korea spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 114 South Korea spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 115 South Korea spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 116 South Korea spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 117 South Korea spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 118 Singapore spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 119 Singapore spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 120 Singapore spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 121 Singapore spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 122 Singapore spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 123 Singapore spinal implants and devices market, by surgery type, 2016 - 2030

(USD Million)

Table 124 Singapore spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 125 Latin America spinal implants and devices market, by country, 2016 - 2030 (USD Million)

Table 126 Latin America spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 127 Latin America spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 128 Latin America spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 129 Latin America spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 130 Latin America spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 131 Latin America spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 132 Latin America spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 133 Brazil spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 134 Brazil spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 135 Brazil spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 136 Brazil spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 137 Brazil spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 138 Brazil spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 139 Brazil spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 140 Mexico spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 141 Mexico spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 142 Mexico spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 143 Mexico spinal implants and devices, by technology, 2016 - 2030 (USD

Million)

Table 144 Mexico spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 145 Mexico spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 146 Mexico spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 147 Argentina spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 148 Argentina spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 149 Argentina spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 150 Argentina spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 151 Argentina spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 152 Argentina spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 153 Argentina spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 154 MEA spinal implants and devices market, by country, 2016 - 2030 (USD Million)

Table 155 MEA spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 156 MEA spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 157 MEA spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 158 MEA spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 159 MEA spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 160 MEA spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 161 MEA spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 162 South Africa spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 163 South Africa spinal implants and devices market, by spinal fusion devices,

2016 - 2030 (USD Million)

Table 164 South Africa spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 165 South Africa spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 166 South Africa spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 167 South Africa spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 168 South Africa spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 169 Saudi Arabia spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 170 Saudi Arabia spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 171 Saudi Arabia spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 172 Saudi Arabia spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 173 Saudi Arabia spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 174 Saudi Arabia spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 175 Saudi Arabia spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

Table 176 UAE spinal implants and devices market, by product, 2016 - 2030 (USD Million)

Table 177 UAE spinal implants and devices market, by spinal fusion devices, 2016 - 2030 (USD Million)

Table 178 UAE spinal implants and devices market, by spinal biologics, 2016 - 2030 (USD Million)

Table 179 UAE spinal implants and devices, by technology, 2016 - 2030 (USD Million)

Table 180 UAE spinal implants and devices market, by vertebral compression fracture treatment, 2016 - 2030 (USD Million)

Table 181 UAE spinal implants and devices market, by surgery type, 2016 - 2030 (USD Million)

Table 182 UAE spinal implants and devices market, by procedure type, 2016 - 2030 (USD Million)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Data triangulation techniques
- Fig. 3 Information procurement
- Fig. 4 Primary research pattern
- Fig. 5 Market research approaches
- Fig. 6 QFD modelling for market share assessment
- Fig. 7 Information analysis and market formulation process
- Fig. 8 Market formulation & validation
- Fig. 9 Spinal Implants and Devices Market: Market Outlook
- Fig. 10 Spinal Implants and Devices Market Competitive Insights
- Fig. 11 Parent market outlook
- Fig. 12 Related/ancillary market outlook
- Fig. 13 Penetration and growth prospect mapping
- Fig. 14 Industry value chain analysis
- Fig. 15 Spinal Implants and Devices Market Driver Impact (Current & future impact)
- Fig. 16 Spinal Implants and Devices Market Restraint Impact (Current & future impact)
- Fig. 17 Product market share analysis, 2021 & 2030
- Fig. 18 Segment Dashboard
- Fig. 19 Spinal Implants and Devices Market: Product outlook and key takeaways
- Fig. 20 Thoracic & lumbar fusion devices market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 21 Cervical fusion devices market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 22 Spinal biologics market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 23 Allografts market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 24 Xenografts market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 25 DBM market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 26 BMP market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 27 Synthetic bone grafts market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 28 Vertebral compression fracture treatment devices market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 29 Non-fusion devices market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 30 Spinal bone growth stimulators market estimates and forecast, 2016 - 2030 (USD Million)
- Fig. 31 Technology market share analysis, 2021 & 2030
- Fig. 32 Segment Dashboard



Fig. 33 Spinal Implants and Devices Market: Technology outlook and key takeaways

Fig. 34 Spinal fusion and fixation technologies market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 35 Vertebral compression fracture treatment market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 36 Vertebroplasty market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 37 Kyphoplasty/vertebral augmentation market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 38 Motion preservation technologies market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 39 Surgery type market share analysis, 2021 & 2030

Fig. 40 Segment Dashboard

Fig. 41 Spinal Implants and Devices Market: Surgery type outlook and key takeaways

Fig. 42 Open surgery market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 43 Minimally invasive surgery market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 44 Procedure type market share analysis, 2021 & 2030

Fig. 45 Segment Dashboard

Fig. 46 Spinal Implants and Devices Market: Procedure type outlook and key takeaways

Fig. 47 Discectomy market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 48 Laminotomy market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 49 Foraminotomy market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 50 Corpectomy market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 51 Facetectomy market estimates and forecast, 2016 - 2030 (USD Million)

Fig. 52 Global Spinal Implants and Devices Market: Regional Movement Analysis

Fig. 53 Global Spinal Implants and Devices Market: Regional Outlook And Key Takeaways

Fig. 54 Global Market Share and Leading Players

Fig. 55 North America Market Share and Leading Players

Fig. 56 Europe Market Share and Leading Players

Fig. 57 Asia Pacific Market Share and Leading Players

Fig. 58 Latin America Market Share and Leading Players

Fig. 59 Middle East & Africa Market Share and Leading Players

Fig. 60 North America Spinal Implants and Devices Market: Regional SWOT analysis

Fig. 61 Europe Spinal Implants and Devices Market: Regional SWOT analysis

Fig. 62 Asia Pacific Spinal Implants and Devices Market: Regional SWOT analysis

Fig. 63 Latin America Spinal Implants and Devices Market: Regional SWOT analysis

Fig. 64 MEA Spinal Implants and Devices Market: Regional SWOT analysis

Fig. 65 North America spinal implants and devices market estimates and forecasts,

2016 - 2030 (USD Million)

Fig. 66 U.S. spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 67 Canada spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 68 Europe spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 69 UK spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 70 Germany spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 71 France spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 72 Italy spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 73 Spain spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 74 Russia spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 75 Asia Pacific spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 76 China spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 77 Japan spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 78 India spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 79 Australia spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 80 South Korea spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 81 Singapore spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 82 Latin America spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 83 Brazil spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 84 Mexico spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)



Fig. 85 Argentina spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 86 MEA spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 87 South Africa spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 88 Saudi Arabia spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 89 UAE spinal implants and devices market estimates and forecasts, 2016 - 2030 (USD Million)

Fig. 90 Company Categorization

Fig. 91 List of key distributors and channel partners

Fig. 92 Company market share analysis, 2021 (%)

Fig. 93 Company market position analysis

Fig. 94 Company market share/ranking, by region

Fig. 95 List of key emerging companies/technology disruptors/innovators

Fig. 96 Regional network map

Fig. 97 Company market position analysis

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