

North America Pedicle Screws Market Forecast to 2030 – Regional Analysis – by Product Type (Polyaxial Pedicle Screw Systems, Monoaxial Pedicle Screw Systems, and Other Pedicle Screw Systems), Application (Thoracolumbar Fracture, Spinal Tumor, Scoliosis, Failed Spine Fusion, and Spondylitis), Surgery Type (Open Surgery and Minimally Invasive Surgery), and End User (Hospitals, Ambulatory Surgical Centers, and Other End User)

<https://marketpublishers.com/r/N30CB73550E2EN.html>

Date: January 2024

Pages: 92

Price: US\$ 3,550.00 (Single User License)

ID: N30CB73550E2EN

Abstracts

The North America pedicle screws market was valued at US\$ 431.03 million in 2022 and is expected to reach US\$ 707.45 million by 2030; it is estimated to grow at a CAGR of 6.4% from 2022 to 2030.

Unprecedented Shift Towards Aging Population Prone to Spinal Disorders fuel the North America Pedicle Screws Market

The pedicle screw system industry has gained traction owing to the rising elderly population prone to various spinal disorders. These population is becoming more susceptible to developing spinal disorders such as degenerative disc diseases, osteoarthritis, scoliosis, spinal tumor, and spinal stenosis. As this population ages, the natural wear and tear of the spine can lead to several spinal disorders. Hence, with this fact, the aging population poses a unique challenge to spine surgeons due to multiple increased frailty, medical comorbidities, decreased nutritional status, and the higher probability of postoperative complications. According to the World Health Organization (WHO) data published in October 2022, approximately 80% of the elderly population will

be living in low-and middle-income countries by 2050, and it is anticipated that the pace of this population aging will be much faster than in the past. Additionally, pedicle screws are widely used during vertebral fracture, vertebral deformity, spinal trauma, spinal tumor etc. Postoperative vertebral fractures with pedicle screw fixation are relatively common complications. The surgical management of these fractures and spinal disorders often requires pedicle screw fixation. For instance, surgical management of scoliosis includes decompression of neutral elements and fusion to realign the spinal segment pedicle screw system. Another study published in the International Journal of Clinical and Experimental Medicine in 2020, investigated minimally invasive percutaneous pedicle screw fixation versus open pedicle screw fixation for senile osteoporotic vertebral fracture and concluded that both open and minimally invasive surgery can provide satisfactory results using pedicle screw fixation. The study also demonstrated that minimally invasive percutaneous pedicle screw fixation is a relatively new treatment type. Hence, the rising adoption of these pedicle screw fixation among these types of surgeries is anticipated to boost the overall market growth.

North America Pedicle Screws Market Overview

The pedicle screw market in North America is segmented into the US, Canada, and Mexico. Major market players operating in the US include DePuy Synthes, Stryker, and Intelivation Technologies. These companies engage in product developments and launches to remain competitive in the market. In the US, technologically advanced pedicle screws are widely adopted for various minimally invasive and open surgeries.

North America Pedicle Screws Market Revenue and Forecast to 2030 (US\$ Million)

North America Pedicle Screws Market Segmentation

The North America pedicle screws market is segmented based on product type, application, end user, surgery type, and country.

Based on product type, the North America pedicle screws market is segmented into polyaxial pedicle screw systems, monoaxial pedicle screw systems, and other pedicle screw systems. The polyaxial pedicle screw systems segment held the largest market share in 2022.

Based on application, the North America pedicle screws market is segmented into thoracolumbar fracture, spinal tumor, scoliosis, failed fusion, and spondylitis. The

thoracolumbar fracture segment held the largest market share in 2022.

Based on surgery type, the North America pedicle screws market is bifurcated into open surgery and minimally invasive surgery. The open surgery segment held a larger market share in 2022.

Based on end user, the North America pedicle screws market is segmented into hospitals, ambulatory surgical centers, and other end users. The hospitals segment held the largest market share in 2022.

Based on country, the North America pedicle screws market is segmented into the US, Canada, and Mexico. The US dominated the North America pedicle screws market share in 2022.

DePuy Synthes; Zimmer Biomet; Globus Medical Inc.; B. Braun SE; Stryker Corp; Medtronic PLC; Surgalign Holdings, Inc.; NuVasive Inc; Orthofix Medical Inc.; and Alphatec Holdings, Inc are some of the leading players operating in the North America pedicle screws market.

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 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. NORTH AMERICA PEDICLE SCREW MARKET - KEY INDUSTRY DYNAMICS

- 4.1 Key Market Drivers
 - 4.1.1 Unprecedented Shift Towards Aging Population Prone to Spinal Disorders
 - 4.1.2 Rising Number of Spinal Surgeries Using Pedicle Screw Systems
- 4.2 Key Market Restraints
 - 4.2.1 Regulatory Hurdles and Challenges Associated with Pedicle Screw Fixation
- 4.3 Key Market Opportunities
 - 4.3.1 Increasing Adoption of Minimally Invasive Surgeries Contributing to Market Expansion
- 4.4 Key Market Trends
 - 4.4.1 Increasing Key Activities of Market Players in the Pedicle Screw Market
 - 4.4.2 Use of Robotics Navigation in the Pedicle Screw Market
- 4.5 Impact Analysis

5. PEDICLE SCREW MARKET - NORTH AMERICA MARKET ANALYSIS

- 5.1 North America Pedicle Screw Market Revenue (US\$ Mn), 2022 – 2030

6. NORTH AMERICA PEDICLE SCREW MARKET – REVENUE AND FORECAST TO 2030 – BY PRODUCT

6.1 Overview

6.2 Pedicle Screw Market Revenue Share, by Product 2022 & 2030 (%)

6.3 Polyaxial Pedicle Screw System

6.3.1 Overview

6.3.2 Polyaxial Pedicle Screw System : Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

6.4 Monoaxial Pedicle Screw System

6.4.1 Overview

6.4.2 Table 2: Companies Offering Monoaxial Pedicle Screw System

6.4.3 Monoaxial Pedicle Screw System: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

6.4.4 Other Pedicle Screw System

6.4.5 Other Pedicle Screw System: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

7. NORTH AMERICA PEDICLE SCREW MARKET – REVENUE AND FORECAST TO 2030 – BY SURGERY TYPE

7.1 Overview

7.2 Pedicle Screw Market Revenue Share, by Type 2022 & 2030 (%)

7.3 Open Surgery Type

7.3.1 Overview

7.3.2 Open Surgery : Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

7.4 Minimally Invasive Spine Surgery Type

7.4.1 Overview

7.4.2 Minimally Invasive Surgery: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

8. NORTH AMERICA PEDICLE SCREW MARKET – REVENUE AND FORECAST TO 2030 – BY APPLICATION

8.1 Overview

8.2 Pedicle Screw Market Revenue Share, by Application 2022 & 2030 (%)

8.3 Thoracolumbar Fracture

8.3.1 Overview

8.3.2 Thoracolumbar Fracture: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

8.4 Spinal Tumor

8.4.1 Overview

8.4.2 Spinal Tumor: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

8.5 Scoliosis

8.5.1 Overview

8.5.2 Scoliosis: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

8.6 Failed Spinal Fusion

8.6.1 Overview

8.6.2 Failed Spinal Fusion: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

8.7 Spondylitis

8.7.1 Overview

8.7.2 Spondylitis: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

9. NORTH AMERICA PEDICLE SCREW MARKET – REVENUE AND FORECAST TO 2030 – BY END USER

9.1 Overview

9.2 Pedicle Screw Market Revenue Share, by End User 2022 & 2030 (%)

9.3 Hospitals

9.3.1 Overview

9.3.2 Hospitals: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

9.4 Ambulatory Surgical Centres (ASCs)

9.4.1 Overview

9.4.2 Ambulatory Surgical Centers: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

9.5 Specialty Clinics

9.5.1 Overview

9.5.2 Specialty Clinics: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

10. NORTH AMERICA PEDICLE SCREW MARKET – REVENUE AND FORECAST TO 2030 – COUNTRY ANALYSIS

10.1 North America: Pedicle Screw Market

10.1.1 Overview

10.1.2 North America: Pedicle Screw Market, by Country, 2022 & 2030 (%)

10.1.2.1 US: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

10.1.2.1.1 Overview

- 10.1.2.1.2 US: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)
- 10.1.2.1.3 US: Pedicle Screw Market, by Product, 2020–2030 (US\$ Million)
- 10.1.2.1.4 US: Pedicle Screw Market, by Type, 2020–2030 (US\$ Million)
- 10.1.2.1.5 US: Pedicle Screw Market, by Surgery Type, 2020–2030 (US\$ Million)
- 10.1.2.1.6 US: Pedicle Screw Market, by End User, 2020–2030 (US\$ Million)
- 10.1.2.2 Canada: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)
- 10.1.2.2.1 Overview
- 10.1.2.2.2 Canada: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)
- 10.1.2.2.3 Canada: Pedicle Screw Market, by Product, 2020–2030 (US\$ Million)
- 10.1.2.2.4 Canada: Pedicle Screw Market, by Type, 2020–2030 (US\$ Million)
- 10.1.2.2.5 Canada: Pedicle Screw Market, by Surgery Type, 2020–2030 (US\$ Million)
- 10.1.2.2.6 Canada: Pedicle Screw Market, by End User, 2020–2030 (US\$ Million)
- 10.1.2.3 Mexico: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)
- 10.1.2.3.1 Overview
- 10.1.2.3.2 Mexico: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)
- 10.1.2.3.3 Mexico: Pedicle Screw Market, by Type, 2020–2030 (US\$ Million)
- 10.1.2.3.4 Mexico: Pedicle Screw Market, by Surgery Type, 2020–2030 (US\$ Million)
- 10.1.2.3.5 Mexico: Pedicle Screw Market, by End User, 2020–2030 (US\$ Million)

11. INDUSTRY LANDSCAPE

- 11.1 Overview
- 11.2 Growth Strategies in Pedicle Screw Market
- 11.3 Organic Growth Strategies
 - 11.3.1 Overview
- 11.4 Inorganic Growth Strategies
 - 11.4.1 Overview

12. COMPANY PROFILES

- 12.1 DePuy Synthes 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 Zimmer Biomet Holdings Inc
 - 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 Globus Medical Inc
 - 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 B. Braun SE
 - 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 Stryker Corp
 - 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 Medtronic Plc
 - 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 Surgalign Holdings Inc

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 NuVasive Inc

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 Orthofix Medical Inc

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 Alphatec Holdings Inc

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 Us

13.2 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. North America Pedicle Screw Market Segmentation

Table 2. Companies Offering Polyaxial Pedicle Screw Systems

Table 3. US Pedicle Screw Market, by Product – Revenue and Forecast to 2030 (US\$ Million)

Table 4. US Pedicle Screw Market, by Type– Revenue and Forecast to 2030 (US\$ Million)

Table 5. US Pedicle Screw Market, by Surgery Type – Revenue and Forecast to 2030 (US\$ Million)

Table 6. US Pedicle Screw Market, by End User – Revenue and Forecast to 2030 (US\$ Million)

Table 7. Canada Pedicle Screw Market, by Product – Revenue and Forecast to 2030 (US\$ Million)

Table 8. Canada Pedicle Screw Market, by Type– Revenue and Forecast to 2030 (US\$ Million)

Table 9. Canada Pedicle Screw Market, by Surgery Type – Revenue and Forecast to 2030 (US\$ Million)

Table 10. Canada Pedicle Screw Market, by End User – Revenue and Forecast to 2030 (US\$ Million)

Table 11. Mexico Pedicle Screw Market, by Product – Revenue and Forecast to 2030 (US\$ Million)

Table 12. Mexico Pedicle Screw Market, by Type– Revenue and Forecast to 2030 (US\$ Million)

Table 13. Mexico Pedicle Screw Market, by Surgery Type – Revenue and Forecast to 2030 (US\$ Million)

Table 14. Mexico Pedicle Screw Market, by End User – Revenue and Forecast to 2030 (US\$ Million)

Table 15. Recent Organic Growth Strategies in Pedicle Screw Market

Table 16. Recent Inorganic Growth Strategies in the Pedicle Screw Market

Table 17. Glossary of Terms, Pedicle Screw Market

List Of Figures

LIST OF FIGURES

Figure 1. North America Pedicle Screw Market Segmentation, By Country

Figure 2. North America Pedicle Screw Market - Key Industry Dynamics

Figure 3. Incidence of Subsequent Vertebral Fractures in Two Groups in Aging Population-Based Study

Figure 4. North America Pedicle Screw Market: Impact Analysis of Drivers and Restraints

Figure 5. North America Pedicle Screw Market Revenue (US\$ Mn), 2022 – 2030

Figure 6. North America Pedicle Screw Market Revenue Share, by Product 2022 & 2030 (%)

Figure 7. Polyaxial Pedicle Screw System: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 8. Monoaxial Pedicle Screw System: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 9. Other Pedicle Screw System: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 10. North America Pedicle Screw Market Revenue Share, by Type 2022 & 2030 (%)

Figure 11. Open Surgery: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 12. Minimally Invasive Surgery: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 13. North America Pedicle Screw Market Revenue Share, by Application 2022 & 2030 (%)

Figure 14. Thoracolumbar Fracture: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 15. Spinal Tumor: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 16. Scoliosis: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 17. Failed Spinal Fusion: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 18. Spondylitis: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 19. North America Pedicle Screw Market Revenue Share, by End User 2022 & 2030 (%)

Figure 20. Hospitals: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 21. Ambulatory Surgical Centers: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 22. Specialty Clinics: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 23. North America: Pedicle Screw Market, by Key Country – Revenue (2022) (US\$ Million)

Figure 24. North America: Pedicle Screw Market, by Country, 2022 & 2030 (%)

Figure 25. US: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 26. Canada: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 27. Mexico: Pedicle Screw Market – Revenue and Forecast to 2030 (US\$ Million)

Figure 28. Growth Strategies in Pedicle Screw Market

I would like to order

Product name: North America Pedicle Screws Market Forecast to 2030 – Regional Analysis – by Product Type (Polyaxial Pedicle Screw Systems, Monoaxial Pedicle Screw Systems, and Other Pedicle Screw Systems), Application (Thoracolumbar Fracture, Spinal Tumor, Scoliosis, Failed Spine Fusion, and Spondylitis), Surgery Type (Open Surgery and Minimally Invasive Surgery), and End User (Hospitals, Ambulatory Surgical Centers, and Other End User)

Product link: <https://marketpublishers.com/r/N30CB73550E2EN.html>

Price: US\$ 3,550.00 (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/N30CB73550E2EN.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