

Spinal Implants- Market Insights, Competitive Landscape and Market Forecast–2026

<https://marketpublishers.com/r/S8A80EF24751EN.html>

Date: January 2022

Pages: 100

Price: US\$ 4,750.00 (Single User License)

ID: S8A80EF24751EN

Abstracts

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Spinal Implants Market By Product Type (Spinal Fusion & Fixation Devices [Thoracolumbar Devices, Cervical Fixation Devices, And Interbody Fusion Devices], Motion Preservation/Non-Fusion Devices [Artificial Disc Replacement, Dynamic Stabilization Devices, Annulus Repair Devices, And Others], Vertebral Compression Fracture Treatment Devices/Spine Augmentation Devices [Vertebroplasty Devices, Balloon Kyphoplasty Devices], Spine Biologics [Demineralized Bone Matrix, Bone Morphogenetic Proteins, Allografts, And Others]), By End-User (Hospitals, Orthopedic Clinics, And Others), By Geography is anticipated to expand at a modest CAGR forecast till 2026 due to rising prevalence of spinal disorders and technological advancement in the field of spinal implants

The global Spinal Implants Market was valued at USD 12.35 billion in 2020, growing at a CAGR of 5.37% during the forecast period from 2021 to 2026 to reach USD 16.88 billion by 2026. The rise in demand for Spinal Implants is predominantly attributed due to the increasing prevalence of various spinal disorders which include spinal stenosis, disc herniation, and degenerative disc diseases, among others in the older population across the globe. Moreover, shifting focus towards technological advancement in bone graft products, rising awareness among the patient population regarding spinal disorder and their proper management, and rising preferences for minimally invasive surgeries are the factors driving the spinal implants market.

Spinal Implants Market Dynamics:

The demand for the spinal implants are growing at an unprecedented rate because of

the rising population suffering with spinal related deformities caused due to road traffic crashes, falls, or increasing age across the globe. The world population is aging, according to the statistics of World Population Ageing 2020 Highlights, globally, the share of the population aged 65 years or over is expected to increase from 9.3 % in 2020 to around 16.0 % in 2050. Rising aging population are more susceptible to develop spinal deformities such as degenerative disc disorders, spinal stenosis, and others. For instance, according to a study: Lumbar Spinal Stenosis by Wu L. and Cruz R. published in NCBI in the year 2020, the prevalence of acquired lumbar spinal stenosis was 19.4% for the population aged between 60 and 69 years.

Moreover, according to the 2021 statistics of the Spinal Cord Injuries Australia, a non-government organization, approximately 15000 of the Australian population live with a spinal cord injury and traffic crashes contribute to 46% of all the cases whereas falls contribute to around 36% of all the traumatic SCI cases.

In addition, burgeoning demand for the minimally invasive spinal surgical procedures owing to the advantages such as smaller incisions, less muscle damage, decreased blood loss and length of hospital stay following surgery in comparison to standard open approach will also contribute to the global spinal implant devices during the forecasted period.

Thus, all the aforementioned factors are likely to bolster the global spinal implants market.

However, certain factors such as stringent regulatory for the implants and high cost of the devices as well as surgery are likely to hinder the spinal implants market growth.

Spinal Implants Market Segment Analysis:

Spinal Implants Market By Product Type (Spinal Fusion & Fixation Devices [Thoracolumbar Devices, Cervical Fixation Devices, and Interbody Fusion Devices], Motion Preservation/Non-Fusion Devices [Artificial Disc Replacement, Dynamic Stabilization Devices, Annulus Repair Devices, and Others], Vertebral Compression Fracture Treatment Devices/Spine Augmentation Devices [Vertebroplasty Devices, Balloon Kyphoplasty Devices], Spine Biologics [Demineralized Bone Matrix, Bone Morphogenetic Proteins, Allografts, and Others]), By End-User (Hospitals, Orthopedic Clinics, and Others), and by Geography (North America, Europe, Asia-Pacific, and Rest of the World).

In the Spinal Implants product segment, spinal fusion and fixation devices are expected to hold a largest market share during the forecast period. This is due to the availability of a wide range of spinal fusion and fixation devices in the market. Also, increasing lumbar spine degeneration prevalence across the globe is expected to fuel the segmental market. According to a NCBI study: Degenerative Lumbar Spine Disease: Estimating Global Incidence and Worldwide Volume by Ravindra M.V. et al., published in the year 2018, a total of 266 million individuals (3.63%) worldwide were found to have Lumbar degenerative spine disease (DSD) and low back pain (LBP) annually.

Furthermore, recent product approvals in spinal fusion and fixation device portfolio with advanced technology is also expected to spur the segmental market. For instance, in August 2020, Innovasis receives first special 510(k) clearance for porous spinal interbody device with HAnano Surface. The newly approved Innovasis micro porous 3D printed titanium devices include the AxTiHA™ System, a standalone IBF device for Anterior Lumbar Interbody Fusion (ALIF).

North America is expected to dominate the overall Spinal Implants Market:

North America is expected to dominate the overall Spinal Implants market during the forecast period. This domination is due to the existence of well-established reimbursement scenario for spinal surgeries in the region. In addition, presence of proper and advanced healthcare facilities, and rising prevalence of low back pain in the region is also a factor driving the market in the region.

Further, In the United States, the rising spinal cord injury is also expected to propel the spinal implants market. According to the National SCI Statistical Center 2018, people in the United States the annual incidence of spinal cord injury (SCI) is approximately 54 cases per one million or about 17,700 new SCI cases each year.

In addition, rising spinal surgery volume is also a factor that is anticipated to augment the spinal implant devices in the region. According to a study: Predicting Trends in Cervical Spinal Surgery in the United States from 2020 to 2040 by Neifert S.N. et al., published in NCBI in the year 2020, it was expected that there would be an increase of 13.3% and 19.3% for anterior cervical discectomy and fusion (ACDF) and posterior cervical decompression and fusion (PCDF) from the year 2020-2040.

Moreover, product approvals in the region will also contribute to the spinal implants market in the region. For instance, in August 2020, Orion Biotech Inc. received the US Food & Drug Administration (FDA) approval for Thoracolumbosacral Pedicle Screw

System intended to provide posterior, non-cervical immobilization and stabilization of spinal segments in skeletally mature patients.

Further, the Asia-Pacific region has the future potential growth for the Global Spinal Implants. This is due to the increasing per capita healthcare expenditure, improving healthcare infrastructure, rising disposable income, high burden of spine fractures in the region is projected to augment the spinal market in the region. For instance, according to a study: The Burden of Spine Fractures in India by Aleem S.I. et al., in NCBI in the year 2017, most middle aged patients experienced fracture in the lumbar spine region (51%) followed by thoracic (30.7%) and cervical (18.2%).

Spinal Implants Market Key Players:

Some of the key market players operating in the Spinal Fusion Devices market includes Medtronic, Johnson & Johnson, Zimmer Biomet, Stryker Corporation, B. Braun Melsungen AG, NuVasive®, Inc., Orthofix Medical Inc., XTANT MEDICAL, RTI Surgical, Life Spine, Inc., Globus Medical, Captiva Spine, Inc., Medacta International, ATEC Spine, Inc, Advin Health Care, Auxein Medical, Aurora Spine, Spineology Inc., Camber Spine Technologies, LLC, Exactech, Inc., and others.

Recent Developmental Activities in the Spinal Implants Market:

In August 2021, Aurora Spine Corporation received FDA 510(k) clearance for DEXA-C™ Cervical Interbody System.

In August 2021, Camber Spine received FDA 510(k) clearance for both its SPIRA-P Posterior Lumbar Spacer technology and SPIRA-T Oblique Posterior Lumbar Spacer technologies.

In March 2021, Aurora Spine Corporation successfully launched its Proprietary SiLO™ Posterior SI Joint Fusion System.

In October 2020, Medtronic launched Adaptix Interbody System, a navigated titanium implant with Titan nanoLOCK surface technology, a blend of surface textures on the macro, micro, and nano levels.

Key Takeaways from the Spinal Implants Market Report Study

? Market size analysis for current market size (2020), and market forecast for 5 years (2021-2026)

? The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the Spinal Implants market.

? Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years

? Key companies dominating the Global Spinal Implants Market.

? Various opportunities available for the other competitor in the Spinal Implants Market space.

? What are the top-performing segments in 2020? How these segments will perform in 2026.

? Which are the top-performing regions and countries in the current market scenario?

? Which are the regions and countries where companies should have concentrated on opportunities for Spinal Implants market growth in the coming future?

Target Audience who can be benefited from Spinal Implants Market Report Study

? Spinal Implants providers

? Research organizations and consulting companies

? Spinal Implants-related organization, association, forum, and other alliances

? Government and corporate offices

? Start-up companies, venture capitalists, and private equity firms

? Distributors and Traders in Spinal Implants

? Various End-users who want to know more about the Spinal Implants Market and the latest technological developments in the Spinal Implants market.

Frequently Asked Questions for Spinal Implants Market:

1. What are Spinal Implants?

? Spinal implants are devices surgeons use during surgery to treat deformity, stabilize and strengthen the spine, and facilitate fusion. Disorders treated using spinal implants include degenerative disc disease, scoliosis, kyphosis, spondylolisthesis, and fracture

2. What is the market for Global Spinal Implants?

? Global Spinal Implants Market was valued at USD 12.35 billion in 2020, growing at a CAGR of 5.37% during the forecast period from 2021 to 2026 to reach USD 16.88 billion by 2026.

3. What are the drivers for Global Spinal Implants?

? The major factors driving the demand for Spinal Implants are the growing geriatric population coupled with the rising spine deformities, increased preferences for minimally invasive surgeries, technological advancement, among others.

4. What are the key players operating in Global Spinal Implants?

? Some of the key market players operating in the Spinal Fusion Devices market includes Medtronic, Johnson & Johnson Services, Inc., Zimmer Biomet, Stryker Corporation, B. Braun Melsungen AG, NuVasive®, Inc., Orthofix Medical Inc., XTANT MEDICAL, RTI Surgical, Life Spine, Inc., Globus Medical, Captiva Spine, Inc., Medacta International, ATEC Spine, Inc, Advin Health Care, Auxein Medical, Aurora Spine, Spineology Inc., Camber Spine Technologies, LLC, Exactech, Inc., and others.

5. Which region have the highest share in Spinal Implants market?

? North America is expected to dominate the overall Spinal Implants market during the forecast period 2021-2026. This domination is due to the existence of well-established reimbursement scenario for spinal surgeries in the region. In addition, presence of proper and advanced healthcare facilities, and rising prevalence of low back pain in the region is also a factor driving the market in the region.

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