

Spinal Non Fusion Devices- Market Insights, Competitive Landscape and Market Forecast–2026

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Abstracts

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Spinal Non Fusion Devices By Product Type (Artificial Disc [Lumbar And Cervical], Dynamic Stabilization Devices, Facet Replacement Products, And Others), Spinal Non Fusion Devices By Application (Spinal Stenosis, Degenerative Disc Diseases, Spondylolisthesis, And Others), Spinal Non Fusion Devices By End User (Hospitals, Specialty Clinics, And Others), And Spinal Non Fusion Devices By Geography is expected to grow at a steady CAGR (forecast period- 2021-2026) owing to increasing prevalence of spinal disorders and advantages of spinal non fusion procedures

Global Spinal Non Fusion Devices Market was valued at USD 1.10 billion in 2020, growing at a CAGR of 5.51% during the forecast period from 2021 to 2026 to reach USD 1.51 billion by 2026. The demand for spinal non fusion devices is primarily being boosted by rising prevalence of spinal disorders, growing geriatric population base, advantages of spinal non fusion procedures over fusion procedures, and technical innovation in product development.

Spinal Non Fusion Devices Market Dynamics:

The spinal non fusion devices market is witnessing a growth in product demand due to various reasons, one of them being the rising prevalence of spinal disorders. According to the research published in the Journal of Hospital Management and Health Policy, titled “Current Epidemiology of Low Back Pain” by Mattiuzzi et al, in 2020, incidence, prevalence and disability-adjusted life years (DALYs) of LBPs are 245.9 million cases per year (15th worldwide cause), 577.0 million cases (15th worldwide cause) and 64.9 million DALYs (6th worldwide cause), respectively. The paper further stated that the risk

of LBP is marginally higher in women compared to men. Chronic lower back pain is one of the commonest complaint that may point towards an underlying serious spinal disorder.

As per the research published in the Global Spine Journal, titled “Degenerative Lumbar Spine Disease: Estimating Global Incidence and Worldwide” by Ravindra et al published in 2018, approximately 266 million individuals suffered from degenerative spinal disease and lower back pain each year. The data further mentioned that 403 million presented with symptomatic disc degeneration, 103 million with spinal stenosis, and 39 million with spondylolisthesis annually.

The abovementioned facts indicate toward the growing prevalence and incidence various spinal disorders such as degenerative disc disease, disc herniation, and back pain among others. Moreover, it has been observed that annulus fibrosus injury from herniation and degeneration can result in complications such as accelerated degeneration and prolonged chronic pain. As spinal disorders can majorly impact the quality of life of patients, these indications require surgical interventions as one of the key treatment methods.

Non fusion spinal devices are medical devices which are employed in the correction of anatomical surgical defects of the spine using a non-fusion approach. Compared to conventional spinal fusion surgeries, non-fusion spinal surgeries are gaining traction among doctors and patients. Even though spinal fusion is considered the “gold-standard” for the treatment of numerous spinal disorders, it is associated with the accelerated degeneration of the vertebrae of the adjacent levels. A spinal fusion at one or more levels causes stiffness and decreased motion of the spin

Therefore, there has been a growing demand for spinal non-fusion products in the market. Spinal non-fusion devices are also known as motion-preserving devices. These devices are gaining popularity as these devices are designed with the intent to providing stabilization and eliminate pain while preserving motion of the functional spinal unit. These systems and devices treat the indication while maintaining the natural structural of the spine.

However, availability of alternative products and slow adoption may be certain impeding factors to the spinal non fusion devices market growth.

Spinal Non Fusion Devices Market Segment Analysis:

Spinal Non Fusion Devices market by Product (Artificial Disc [Lumbar and Cervical], Dynamic Stabilization Devices, Facet Replacement Products, and Others), Spinal Non Fusion Devices Market By Application (Spinal Stenosis, Degenerative Disc Diseases, Spondylolisthesis, and Others), Spinal Non Fusion Devices market by End User (Hospitals, Specialty Clinics, and Others), and Spinal Non Fusion Devices market by Geography (North America, Europe, Asia-Pacific, and Rest of the World).

In the product segment of the Spinal Non Fusion Devices Market, the dynamic stabilization devices are expected to hold a significant share in the spinal non fusion devices market in the forecast period. While trying to maintain the motion in the joint, dynamic stabilization aims to remove the pain by distributing the weight between anterior and posterior elements of the spine. Various new devices have now been developed for the dynamic stabilization of the spine. Dynamic spine stabilization is a growing area of spine surgery because it can reduce some of the problems inherent with metal implants, such as disc degeneration in the discs next to the fusion site as they allow for less loading on the adjacent discs and facet joints and preserve adjacent segmental motion.

Dynamic stabilization makes use of rods made of flexible materials to provide stability to the affected level of the spine. Thus, the versatility of dynamic stabilization devices to be either used alone or in combination with fusion procedures further add to their market demand.

Non spinal fusion dynamic stabilization devices are further classified into pedicle screw-based systems, interspinous process spacers, and facet replacement products, and others. Among these, pedicle-screw systems are predicted to hold the significant market share in the forecast period in spinal non fusion devices market.

Therefore, the constant technological advancements coupled with added advantages and product versatility of dynamic stabilization devices among other product types is expected to boost the growth of the spinal non fusion devices market. For instance, in June 2021, Neo Medical received FDA 510(k) clearance for their Pedicle Screw System in the treatment of late stage tumor indications to be used in combination with BonOs® Inject cement from OSARTIS. The company also received the CE mark approval for the same device. In another development, Centinel Spine, LLC launched the Angled Endplate implants for the prodisc® L Lumbar Total Disc Replacement System which have been designed to shift the lordotic angle of the implant to the inferior endplate thereby allowing surgeons to address the varied lumbar anatomy and pathology of patients.

North America Is Expected To Dominate The Overall Spinal Non Fusion Devices Market:

Among all the regions, North America is expected to account for the largest share in the spinal non fusion devices market. Owing to significant growth factors such as rising prevalence of geriatric population, increasing incidences of spinal disorders, rising government initiatives, and increased government product regulations are expected to aid in the growth of the North American Spinal Non Fusion Devices Market.

Furthermore, high disposable income, sophisticated healthcare infrastructure, new product approvals, and increased awareness also propelled the market growth in this region.

As per the data provided by the United States Bone and Joint Initiative (2021), musculoskeletal diseases affect more than one out of every two persons in the United States age 18 and over, and nearly three out of four age 65 and over. Trauma, back pain, and arthritis are the three most common musculoskeletal conditions reported, and for which health care visits to physicians' offices, emergency departments, and hospitals occur each year. Furthermore, the abovementioned source stated that in any given year, 12% to 14% of the adult population will visit their physician for back pain.

Moreover, the presence of a well-regulated reimbursement channel for spine surgeries and the healthcare facilities are further expected to drive the North American Spinal Non Fusion Devices market forward.

The fastest growth in the Spinal Non Fusion Devices market is expected to be witnessed by the Asia-Pacific on account of improving disposable income, increasing focus on improving healthcare access among populations, which in turn is motivating key spinal non fusion market players in widening their market reach in the APAC region.

Spinal Non Fusion Devices Market Key Players:

Some of the key market players operating in the spinal non fusion devices market includes Stryker, NuVasive Inc, Medtronic, Zimmer Biomet, ATEC Spine, Inc, B. Braun Melsungen, SIGNUS Medizintechnik GmbH, Aditus Medical, RTI Surgical, Orthofix Medical Inc, Premia Spine, Globus Medical, SpineSave AG, Centinel Spine®, LLC, Axiomed LLC., Spinal Stabilization Technologies Ltd, SpineVision, Norm Medical Devices Co. Ltd., Neuro France Implants, Ackermann Medical GmbH & Co. KG and others.

Recent Developmental Activities in Spinal Non Fusion Devices Market:

In August 2021, Orthofix Medical Inc announced the first patient implant in the M6-C Artificial Cervical Disc Two-Level investigation device exemption (IDE) Study. The M6-C artificial cervical disc was FDA-approved for single-level implantation from C3 to C7 in 2019. It is indicated as an alternative to cervical fusion.

In May 2021, Spinal Stabilization Technologies Ltd received the Breakthrough Designation for PerQ disc Nucleus Replacement System for degenerative disc disease. The device also received the CE mark approval. PerQdisc is the only commercially available lumbar nucleus replacement system in the world.

In April 2021, NuVasive Inc received the 510k approval from the US FDA for their two-level cervical total disc replacement- Simplify Disc.

Key Takeaways from the Spinal Non Fusion Devices 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 non fusion devices market.

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

? Key companies dominating the Global Spinal Non Fusion Devices Market.

? Various opportunities available for the other competitor in the Spinal Non Fusion Devices Market space.

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

? Which is the top-performing regions and countries in the current spinal non fusion

devices market scenario?

? Which are the regions and countries where companies should have concentrated on opportunities for spinal non fusion devices market growth in the coming future?

Target Audience who can be benefited from this Spinal Non Fusion Devices Market Report Study

? Spinal Non Fusion Devices products providers

? Research organizations and consulting companies

? Spinal Non Fusion Devices-related organization, association, forum, and other alliances

? Government and corporate offices

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

? Distributors and Traders dealing in spinal non fusion devices

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

Frequently Asked Questions for Spinal Non Fusion Devices Market:

1. What is a Spinal Non Fusion Device?

? Non fusion spinal devices are medical devices which are employed in the correction of anatomical surgical defects of the spine using a non-fusion approach.

2. What is the market for Global Spinal Non Fusion Devices?

? Global Spinal Non Fusion Devices Market was valued at USD 1.10 billion in 2020, growing at a CAGR of 5.51% during the forecast period from 2021 to 2026 to reach USD 1.51 billion by 2026.

3. What are the drivers for Global Spinal Non Fusion Devices Market?

? The demand for spinal non fusion devices is primarily being boosted by rising prevalence of spinal disorders, growing geriatric population base, advantages of spinal non fusion devices over fusion devices, and technical innovation in product development.

4. What are the key players operating in Global Spinal Non Fusion Devices Market?

? Some of the key market players operating in the spinal non fusion devices market includes Stryker, NuVasive Inc, Medtronic, Zimmer Biomet, ATEC Spine, Inc, B. Braun Melsungen, Advanced Brain Monitoring, Inc, BrainScope Company Inc SIGNUS Medizintechnik GmbH, Aditus Medical, RTI Surgical, Orthofix Medical Inc, Premia Spine, Globus Medical, SpineSave AG, Centinel Spine®, LLC, AxioMed LLC., Spinal Stabilization Technologies Ltd, SpineVision, Norm Medical Devices Co. Ltd. and, Neuro France Implants, Ackermann Medical GmbH & Co. KG and others.

5. Which region has the highest share in Spinal Non Fusion Devices market?

North America is expected to dominate the overall Spinal Non Fusion Devices market during the forecast period, 2021 to 2026. The high revenue domination across regions by North America can be ascribed to significant growth factors such as rising prevalence of geriatric population, increasing incidences of spinal disorders, rising government initiatives, and increased government product regulations are expected to aid in the growth of the North American Spinal Non Fusion Devices Market. Furthermore, high disposable income, sophisticated healthcare infrastructure, new product approvals, and increased awareness also propelled the market growth in this region.

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