

South & Central 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)

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Abstracts

The South & Central America pedicle screws market was valued at US\$ 74.51 million in 2022 and is expected to reach US\$ 111.34 million by 2030; it is estimated to grow at a CAGR of 5.1% from 2022 to 2030 .

Increasing Adoption of Minimally Invasive Surgeries Contributing to Market Expansion fuel the South & Central America Pedicle Screws Market

The rising adoption of minimally invasive surgeries, coupled with technologically advanced robotic and image-guided (IG) surgeries, is anticipated to boost overall market growth, thereby providing lucrative opportunities for emerging market players. Over the past many years, minimally invasive surgical procedures have become feasible, popular, and efficient for managing spinal disorders. Spinal surgeries using pedicle screws are transforming significantly towards a minimally invasive paradigm. Navigated pedicle screw insertion has been proven fundamental in minimally invasive spinal surgeries. These types of surgeries provide various advantages over open surgeries, such as less damage to soft tissue and muscle, less pain post-surgery,

shorter hospital stay, and quicker recovery.

Additionally, many companies in the pedicle screw market are involved in new product innovations to ease the overall surgical procedures. For instance, in January 2023, Orthofix Medical launched a fully commercial mariner deformity pedicle screw system. The product was launched to advance reduction and correct instrumentation, specialized implant technologies, and for osteotomy tools for better surgical intervention.

South & Central America Pedicle Screws Market Overview

The growth of the South & Central America pedicle screw market is driven by a large elderly population prone to spinal disorders, new product launches related to pedicle screws, rising minimally invasive surgeries, and adoption of pedicle screws and rods for various spinal fusion surgeries. As per the Ministry of Health of Brazil, the country is anticipated to rank fifth in terms of geriatric population worldwide by 2030. The WHO estimated that the elderly population would increase by more than 300%, and the overall population would grow by 30% by 2050 in the country. According to the Pan American Health Organization (PAHO), Brazil had more than 30 people aged above 60 in 2022, which represents 30% of the total population. The number of people aged above 60 is expected to reach ~50 million by 2050, which is expected to represent 24% of the total population of Brazil. The geriatric population is at a greater risk of fractures due to low bone density.

South & Central America Pedicle Screws Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Pedicle Screws Market Segmentation

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

Based on product type, the South & Central 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 South & Central 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 South & Central 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 South & Central 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 South & Central America pedicle screws market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America pedicle screws market share in 2022.

Zimmer Biomet, Globus Medical Inc., B. Braun SE, Stryker Corp, Medtronic PLC, NuVasive Inc, and Orthofix Medical Inc. are some of the leading players operating in the South & Central America pedicle screws market.

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