

Orthopedic Trauma Devices Market Insights, Competitive Landscape and Market Forecast–2026

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Abstracts

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Orthopedic Trauma Devices Market By Product Type (Internal Fixators [Plates & Screws, Rods & Pins, And Others] And External Fixators [Unilateral, Circular, Hybrid, And Others]), By Absorbability (Non-Absorbable And Resorbable), By End User (Hospitals, Ambulatory Surgical Centers, And Others), by geography is expected to grow at a steady CAGR forecast till 2026 owing to the rising prevalence of degenerative bone disorders such as osteoporosis and road accidents

Global Orthopedic Trauma Devices Market was valued at USD 6.61 billion in 2020, growing at a CAGR of 6.41% during the forecast period from 2021 to 2026 to reach 10.08 billion by 2026. The demand for orthopedic trauma devices is witnessing growth due to the rising number of accident and trauma cases, growing prevalence of degenerative bone disorders, the rising number of sports-related injuries, rising demand for technologically advanced products, and increasing geriatric population are expected to drive product demand in the global orthopedic trauma devices market.

Orthopedic Trauma Devices Market Dynamics:

The orthopedic trauma devices market is witnessing an increase in market revenue owing to the rising prevalence of various degenerative bone disorders such as osteoporosis. As per the International Osteoporosis Foundation (2021), over 8.9 million fractures related to osteoporosis occur annually. It further stated that about one in five men and one in three women over the age of 50 are susceptible to suffer from a fracture due to weak bones. The osteoporotic bones become less dense, become weak, and are more prone to fractures. Therefore, the rising global prevalence of degenerative bone

diseases such as osteoporosis would lead to increase number of bone fractures of the musculoskeletal system, which in turn would increase the demand for orthopedic trauma devices for correcting bone-related deformities, thereby aiding in the global orthopedic trauma devices market growth.

Another key factor responsible for the growth of the orthopedic trauma devices market is the surge in the cases of road traffic injuries. According to the World Health Organization factsheet (2021) on road traffic injuries, road traffic injuries are the leading cause of fatality in children and young adults in the age group 5-29 years globally. The same factsheet further stated that near about 20-50 million people suffer from non-fatal injuries in road accidents resulting in a disability as a result of their injury. Injuries of this nature may result in severe damage to the limbs depending on the location of trauma. Therefore, the increase in the cases of road traffic injuries and accidents is expected to contribute in the growing demand for orthopedic trauma devices, eventually taking the orthopedic trauma devices market forward during the forecast period.

However, stringent product approval process, metal sensitivity in patients, and high cost of procedures may prove to be certain restraints to the orthopedic trauma devices market growth.

Along with the above-mentioned factors, the orthopedic trauma devices market witnessed a period of temporary setback due to the imposing of the lockdown restrictions as necessary measures to contain the COVID-19 spread. One of the major steps during this was the suspension of numerous elective procedures and outpatient visits which reduced the demand for orthopedic trauma devices in the market as a large number of surgeries across different medical specialties were suspended on account of being non-essential during the initial lockdown period, thereby limiting the market growth for a short time. Moreover, the suspension of sport events and outdoor recreational activities, and closure of gyms and stadiums also led to a significant decrease in the number of cases associated with orthopedic injuries during the lockdown period. Nevertheless, the market for orthopedic trauma devices is on the period of recovery with the resumption of activities across various domains including healthcare services owing to the approval and administration of numerous COVID-19 vaccines across the globe, thereby presenting a positive future outlook for the orthopedic trauma devices market during the forecast period from 2021-2026.

Orthopedic Trauma Devices Market Segment Analysis:

Orthopedic Trauma Devices Market by Product Type (Internal Fixators [Plates &

Screws, Rods & Pins, and Others] and External Fixators [Unilateral, Circular, Hybrid, and Others]), by Absorbability (Non-Absorbable and Resorbable), by End User (Hospitals, Ambulatory Surgical Centers, and Others), and by Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In product segment of the orthopedic trauma devices market, the internal fixators category is expected to account for the prominent market share during the forecast period. Internal fixators are now commonly used for the correction of bone deformities and fractures due to the advent of sterile surgical procedures which significantly reduced the risk of infection. Additionally, internal fixation allows for faster recovery, shorter hospital stays, enables patients to resume their daily activities quicker, and reduced the chances of improper healing of the broken bones.

Among internal fixators, screws are one of the commonest types of devices used in internal fixation. Even being a simple device, there are different types of screws available depending on the type of fracture and the application of the screws. Screws can be used alone or in combination with other internal fixation devices such as rods, plates, or nails.

Furthermore, the use of stainless steel and titanium in the manufacturing of these fixators have contributed immensely in improving the safety prospects of these devices. Along with that, the development of resorbable screws is another technological advancement that is further driving the demand for this product type in the orthopedic trauma devices market.

North America is expected to dominate the Overall Orthopedic Trauma Devices Market:

Among all the regions, North America is expected to account for the significant market share in the orthopedic trauma devices market. North America is predicted to account for the dominant market share because of the high prevalence of chronic pain from various reasons such as low back pain, neck pain, and arthritis among other factors, rising population of the elderly as well as high awareness among people regarding disease management and the new product launches in the region.

The North America orthopedic trauma devices market is witnessing an upward trend due to the rising prevalence of chronic low back pain among other factors. As per the data provided by the Centers for Disease Control and Prevention, in 2019, about 40 million US workers reported the problem of low back pain. Low back pain is one of the primary complaints that indicate towards the underlying disc degeneration and may

result in the replacement of spinal discs which may boost the demand for orthopedic trauma devices, eventually driving the United States orthopedic trauma devices market growth during the forecast period.

Besides United States, according to the data provided by the Public Health Agency of Canada published in 2020, approximately 3.9 million (13.6%) Canadians over the age of 20 years live with diagnosed osteoarthritis. It has been reported in many studies that orthopedic surgery provide greater improvements in pain relief and knee function in patients suffering from osteoarthritis. Therefore, the increase in number of patients suffering from osteoarthritis in Canada is expected to drive the demand for orthopedic trauma devices, thereby contributing in the overall growth of the orthopedic trauma devices market in the North American region.

The above-mentioned facts point towards the presence of diverse patient pool in the country as well as the North American region that may benefit from the utilization of orthopedic trauma devices. Furthermore, the well-established patient care system along with awareness among patients and caregivers regarding different types of orthopedic procedures and products used is further expected to propel the North American orthopedic trauma devices market growth.

Moreover, the prompt and well-established healthcare services and infrastructure further contributes to the growth of the regional orthopedic trauma devices market. The presence of key players in the region and supportive reimbursement programs further provide immense growth opportunities for orthopedic trauma devices market. For instance, in February 2021, OsteoMed received the clearance from the US Food and Drug Administration for ExtremiLOCK Lateral Ankle Fusion Plates, which is intended to be used in the fixation of osteotomies, fractures, and non-unions of the fibula and the tibia. Moreover, the constant focus of market players in targeting the region in product launch is further expected to aid in the growth of the North American orthopedic trauma devices market.

Orthopedic Trauma Devices Market Key Players:

Some of the key market players operating in the orthopedic trauma devices market includes Zimmer Biomet, Orthofix Medical Inc, DePuy Synthes (Johnson & Johnson), B. Braun Melsungen AG., Stryker, Medtronic, Acumed, INION OY, Orthomed., Smith+Nephew, CONMED Corporation, Bioretex Ltd, Arthrex Inc, JEIL MEDICAL CORPORATION, OsteoMed, Medartis AG, Biorez, Invibio Ltd, Advanced Orthopaedic Solutions, DJO, LLC and others.

Recent Developmental Activities in Orthopedic Trauma Devices Market:

In October 2021, CurvaFix Inc launched the CurvaFix implant in the United States. The implant is said to have applicability in the fixation of pelvic and acetabular fractures.

In June 2021, Zimmer Biomet launched Bactiguard-coated orthopedic trauma implants for infection prevention in select Europe and Middle East and Africa markets. In January 2021, these implants received the CE mark.

In May 2021, Safe Orthopedics received the CE mark approval for their new Hickory screw which is part of their SteruiSpine PS next-generation product portfolio.

Key Takeaways from the Orthopedic Trauma Devices Market Report Study

Market analysis for current orthopedic trauma devices 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 orthopedic trauma devices market.

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

Key companies dominating the global orthopedic trauma devices market.

Various opportunities available for the other competitor in the orthopedic trauma 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 orthopedic trauma devices market scenario?

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

Target Audience who can be benefited from this Orthopedic Trauma Devices Market Report Study

Orthopedic Trauma Devices products providers

Research organizations and consulting companies

Orthopedic Trauma Devices-related organizations, associations, forums, and other alliances

Government and corporate offices

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

Distributors and Traders dealing in orthopedic trauma devices

Various End-users who want to know more about the orthopedic trauma devices market and latest technological developments in the orthopedic trauma devices market.

Frequently Asked Questions for Orthopedic Trauma Devices Market:

1. What is an Orthopedic Trauma Device?

Trauma fixation devices are used in the correction and fixation of bone fractures and deformities. These devices are used in various orthopedic surgeries helping in fixing bone-related deformities of various anatomical regions such as spine and extremities.

2. What is the market for Global Orthopedic Trauma Devices?

Global Orthopedic Trauma Devices Market was valued at USD 6.61 billion in 2020, growing at a CAGR of 6.41% during the forecast period from 2021 to 2026 to reach 10.08 billion by 2026.

3. What are the drivers for Global Orthopedic Trauma Devices Market?

The demand for orthopedic trauma devices is witnessing growth due to the growing prevalence of degenerative bone disorders, rising geriatric population, increasing numbers of sports-related injuries and road accidents, and technological advancements in product development and design improvement.

4. Who are the key players operating in Global Orthopedic Trauma Devices Market?

Some of the key market players operating in the orthopedic trauma devices market includes Zimmer Biomet, Orthofix Medical Inc, DePuy Synthes (Johnson & Johnson), B. Braun Melsungen AG., Stryker, Medtronic, Acumed, INION OY, Orthomed., Smith+Nephew, CONMED Corporation, Bioretex Ltd, Arthrex Inc, JEIL MEDICAL CORPORATION, OsteoMed, Medartis AG, Biorez, Invibio Ltd, Advanced Orthopaedic Solutions, DJO, LLC and others.

5. Which region has the highest share in Orthopedic Trauma Devices market?

Among all the regions, North America is expected to account for the significant market share in the orthopedic trauma devices market. North America is predicted to account for the dominant market share because of the high prevalence of chronic pain from various reasons such as low back pain, neck pain, and arthritis among other factors, rising population of the elderly as well as high awareness among people regarding disease management and the new product launches in the region.

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