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Orthopedic Trauma Devices Market Research Report -Forecast to 2030

Report / Search Code: MRFR/MED/1548-HCR

Publish Date: April, 2023

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Price	1-user PDF : \$ 4950.0	Enterprise PDF : \$ 7250.0
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Description:

Global Orthopedic Trauma Devices Market Overview

The Orthopedic Trauma Devices Market Size was valued at USD 5.9 billion in 2022 and is projected to grow from USD 6.3 Billion in 2023 to USD 9.4 billion by 2030, exhibiting a compound annual growth rate (CAGR) of 6.80% during the forecast period (2023 - 2030). One of the key market drivers propelling the expansion is the rise of osteoarthritis cases. Another factor influencing market expansion is the increasing number of applications from developing nations.

Orthopedic Trauma Devices Market Overview

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Orthopedic Trauma Devices Market Trends

- Rising prevalence of osteoporosis to propel market growth

Due to the increased frequency of osteoporosis and other degenerative bone diseases, the orthopedic trauma devices market is experiencing a growth in market revenue. Osteoporosis-related fractures account for more than 8.9 million annual fractures, according to the International Osteoporosis Foundation (2021). Approximately one in five men and one in three women over 50 are at risk for fractures because of weak bones, according to the article's further information. Less dense, brittle, and vulnerable to fracture, osteoporotic bones change over time. Thus, the increasing amount of bone fractures in the musculoskeletal system due to degenerative bone illnesses like osteoporosis would boost the demand for orthopedic trauma devices to treat bone-related abnormalities. This is fueling the market for orthopedic trauma devices to increase. Thus, this factor is driving the market CAGR for orthopedic trauma devices.

Furthermore, the rise in traffic injury occurrences is another important element driving the market for orthopedic trauma devices. The World Health Organization brief (2021) on road traffic injuries states that road traffic accidents are the biggest cause of death for children and young adults between the ages of 5 and 29. According to the same factsheet, between 20 and 50 million persons worldwide experience non-fatal injuries in car accidents that leave them disabled. Depending on where the trauma occurs, such injuries may cause significant damage to the limbs. As a result, it is anticipated that the rise in traffic-related injuries and accidents will help fuel a rise in demand for orthopedic trauma devices, ultimately propelling the market during the forecast period.

However, the market for orthopedic trauma devices is driven by the rise in outpatient operations and the launch of innovative product ideas. The market is driven by the quick development of spine, hip, and knee replacement devices in design and functionality, including smart implants with built-in sensors for real-time data processing and metal-on-metal and metal-on-ceramic implants. The industry's growth is also supported by advancements in tissue engineering and gene editing technologies. As it promotes quick recovery without the risk of metal corrosion, the absorbable polymer is the subject of intensive research by industry participants. To enable endoscopic minimally invasive spine surgery for service members and veterans, Joimax and Red One Medical teamed together in August 2019. The future of orthopedic trauma devices lies in advances in robotics, machine-navigated medicine, smart implants, nanotechnology, 3D printing, genetics, and tissue engineering. Thus, it is anticipated that this aspect will accelerate orthopedic trauma devices market revenue globally.

Orthopedic Trauma Devices Market Segment Insights:

Orthopedic Trauma Devices Material Type Insights

The Orthopedic Trauma Devices Market segmentation, based on material type, includes bioabsorbable materials and non-absorbable materials. The non-absorbable materials segment held the majority share in 2022 in the Orthopedic Trauma Devices Market data. Orthopaedics increasingly rely on biodegradable polymers, particularly those from the polyglycolic acid (PGA) and polylactic acid (PLA) families. A technological improvement that is boosting the need for bioabsorbable materials in the orthopedic trauma devices market is the creation of resorbable screws.

Figure 2: Orthopedic Trauma Devices Market, by Material Type, 2022 & 2030 (USD Billion)

Orthopedic Trauma Devices Market, by Material Type, 2022 and 2030

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Orthopedic Trauma Devices Product Type Insights

The Orthopedic Trauma Devices Market segmentation, based on product type, includes internal fixator and external fixator. The internal fixator segment dominated the market growth for orthopedic trauma devices in 2022 and is

projected to be the faster-growing segment during the forecast period, 2022-2030. Due to the development of sterile surgical techniques, which dramatically decreased the danger of infection, internal fixators are often employed to treat bone abnormalities and fractures. Internal fixation also lessens the likelihood that the shattered bones will repair improperly, lets patients to resume their daily activities sooner, and speeds up recovery.

Orthopedic Trauma Devices End User Insights

The Orthopedic Trauma Devices Market data, based on end user, includes hospitals, clinics and orthopedic centers. The hospital's segment dominated the orthopedic trauma devices market revenue for orthopedic trauma devices in 2022 and is projected to be the faster-growing segment during the forecast period, 2022-2030. The use of orthopedic treatment methods in institutional settings has been prompted by the increasing occurrence of trauma and injury in the world as well as the use of less invasive techniques. Additionally, the availability of qualified professionals and tools to assist with surgical operations all help to increase the market share for the hospital sector.

Orthopedic Trauma Devices Regional Insights

By region, the study provides the market insights for orthopedic trauma devices into North America, Europe, Asia-Pacific and Rest of the World. North America orthopedic trauma devices market accounted for USD 2.7 billion in 2022 with a share of around 45.80% and is expected to exhibit a significant CAGR growth during the study period due to the high prevalence of chronic pain from a variety of causes, including low back pain, arthritis, and neck pain, as well as the growing older population, high illness management knowledge among the general public, and new product introductions in the area. The rise in the cost of research and development, the existence of important players in the area, and the increased incidence of sports injuries are all contributing factors to the expansion.

Further, the major countries studied in the market report for orthopedic trauma devices are: The U.S, Canada, Germany, France, UK, Italy, Spain, China, Japan, India, Australia, South Korea, and Brazil.

Figure 3: ORTHOPEDIC TRAUMA DEVICES MARKET SHARE BY REGION 2022 (%)

ORTHOPEDIC TRAUMA DEVICES MARKET SHARE BY REGION 2022

Source: Secondary Research, Primary Research, MRFR Database and Analyst Review

Asia Pacific orthopedic trauma devices market accounts for the second-largest market share. Several factors are anticipated to boost the market in the Asia Pacific, including an increase in the number of older adults in China and Japan, a startling rise in traffic accidents, and quickly rising economies. It is also anticipated that introducing novel equipment to identify and treat orthopedic problems precisely will fuel market growth. Moreover, China orthopedic trauma devices market held the largest market share, and the India orthopedic trauma devices market was the fastest growing market in the region.

Europe orthopedic trauma devices Market is expected to grow at the fastest CAGR from 2022 to 2030. The region's growing elderly and obese populations are at higher risk of developing bone fractures. In the years to come, the market expansion is anticipated to be fueled by investments in creating superior-quality orthopedic trauma devices. Further, the UK orthopedic trauma devices market held the largest market share, and the Germany orthopedic trauma devices market was the fastest-growing market in the region.

Orthopedic Trauma Devices Key Market Players & Competitive Insights

Major market players are spending a lot of money on R&D to increase their product lines, which will help the orthopedic trauma devices market grow even more. Market participants are also taking a range of strategic initiatives to grow their worldwide footprint, with key market developments such as new product launches, contractual agreements, mergers and acquisitions, increased investments, and collaboration with other organizations. Competitors in the orthopedic trauma devices industry must offer cost-effective items to expand and survive in an increasingly competitive and rising market environment.

One of the primary business strategies adopted by manufacturers in the global orthopedic trauma devices industry to benefit clients and expand the market sector is to manufacture locally to reduce operating costs. In recent years, orthopedic trauma devices industry has provided medicine with some of the most significant benefits. The orthopedic trauma devices market major player such as NVIBIO (UK), BIOTEK (India), DEPUY SYNTHES CompanienOrtho Max Manufacturing Company PVT. Ltd., AUXEIN Medical (India), Stryker, Johnson & Johnson Services Inc. (US), Smith & Nephew, MEDTRONIC and Braun MELSUNGEN AG.

The Stryker Corporation is an American firm with headquarters in Kalamazoo, Michigan. Stryker manufactures a wide range of medical device products, including surgical instruments and surgical navigation systems, endoscopic and communications systems, neurovascular, patient handling and emergency medical equipment, neurosurgical, and spinal devices, as well as other products used in a range of medical specialties. The Stryker Corporation provides orthobiologics, such as biodegradable solutions for bone repair, which are utilised in soft tissue regeneration, bone healing, and muscle connection to bone.

The American global firm Johnson & Johnson (J&J), established in 1886, creates consumer packaged goods, pharmaceuticals, and medical equipment. The company is ranked No. 36 on the 2021 Fortune 500 list of the largest American corporations by total revenue, and its common stock is a component of the Dow Jones Industrial Average. One of the most valuable firms in the world, Johnson & Johnson is one of just two U.S.-based businesses with a prime credit rating of AAA, which is higher than the rating of the US government.

Key Companies in the orthopedic trauma devices market includes

- NVIBIO (UK)
- BIOTEK (India)
- DEPUY SYNTHES Companies
- Ortho Max Manufacturing Company PVT. Ltd.
- AUXEIN Medical (India)
- Stryker
- Johnson & Johnson Services Inc. (US)
- Smith & Nephew

- MEDTRONIC
- Braun MELSUNGEN AG

Orthopedic Trauma Devices Industry Developments

October 2021: The CurvaFix implant was introduced in the US by CurvaFix Inc. According to reports, the implant can be used to treat pelvic and acetabular fractures.

June 2021: For the purpose of preventing infections, Zimmer Biomet introduced Bactiguard-coated orthopedic trauma implants in a few regions in Europe, the Middle East, and Africa. These implants were given the CE mark in January 2021.

Orthopedic Trauma Devices Market Segmentation

Orthopedic Trauma Devices Material Type Outlook (USD Billion, 2018-2030)

- Bioabsorbable Materials
- Non-Absorbable Materials

Orthopedic Trauma Devices Product Type Outlook (USD Billion, 2018-2030)

- Internal Fixator
- External Fixator

Orthopedic Trauma Devices End-User Outlook (USD Billion, 2018-2030)

- Hospitals
- Clinics
- Orthopedic Centers

Orthopedic Trauma Devices Regional Outlook (USD Billion, 2018-2030)

- North America
 - US
 - Canada
- Europe
 - Germany
 - France
 - UK
 - Italy
 - Spain
 - Rest of Europe
- Asia-Pacific
 - China
 - Japan
 - India
 - Australia
 - South Korea
 - Australia
 - Rest of Asia-Pacific
- Rest of the World
 - Middle East
 - Africa

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