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Internal Trauma Fixation Devices - Market Insights, Competitive Landscape and Market Forecast-2027

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Abstracts

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Internal Trauma Fixation Devices Market By Product Type (Plates & Screws, Rods & Pins, Others), By Absorbability (Non-Absorbable, Resorbable), By Application Site (Cranial & Facial, Spine, Upper Extremities [Hand & Wrist, Arm, Shoulder, Elbow], Lower Extremities [Knee, Foot & Ankle, Thigh, Hip & Pelvis]) By End-User (Hospitals, Ambulatory Surgery Centers, Others), by geography is expected to grow at a steady CAGR forecast till 2027 owing to rising number of trauma and accident cases and increase in the prevalence of degenerative bone disorders

Global Internal Trauma Fixation Devices Market was valued at USD 9.52 Billion in 2021, growing at a CAGR of 7.03% during the forecast period from 2022 to 2027 to reach USD 14.32 Billion by 2027. The Internal Trauma Fixation Devices market is witnessing positive growth owing to the rising number of trauma and accident cases, increase in the prevalence of degenerative bone disorders, a growing number of sports-related injuries, technological innovation in product development, thereby contributing to the growth of the Internal Trauma Fixation Devices market during the forecast period from 2022-2027.

Internal Trauma Fixation Devices Market Dynamics:

The Internal Trauma Fixation Devices market is witnessing a growth in Product demand owing to various reasons. The rising number of trauma and accident cases is the key driving factor for Internal Trauma Fixation Devices market.

Traumatic brain injury contributes to worldwide death and disability more than any other

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traumatic insult. Many epidemiological studies have been limited in comprehensively measuring the incidence of cross-injury such as TBI and SCI, and have instead focused on the incidence of the causes of injury, such as falls, road injuries, and interpersonal violence.

According to Global Neurosurgery Initiative 2018, 69 million individuals worldwide are estimated to sustain a TBI each year. The proportion of TBIs resulting from road traffic collisions was greatest in Africa and Southeast Asia (both 56%) and lowest in North America (25%).

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. 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.

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 suffering from a fracture due to weak bones.

Therefore, due to the rising number of trauma and accident cases, there will be an increase in the demand for Internal Trauma Fixation Devices, thereby fueling the market growth for Internal Trauma Fixation Devices.

However, incidents of metal sensitivity in patients and the high cost of procedures may be certain limiting factors of the Internal Trauma Fixation Devices market growth.

The unprecedented COVID-19 outbreak had a profound impact on the market for Internal Trauma Fixation Devices devices. Owing to the lockdown restrictions posed during the COVID-19 pandemic, there were reduced patients visits, and all other surgical procedures were temporarily paused, giving more attention to the COVID-19 inflicted patients.

Internal Trauma Fixation Devices Market Segment Analysis:

Internal Trauma Fixation Devices Market By Product Type (Plates & Screws, Rods & Pins, Others), By Absorbability (Non-Absorbable, Resorbable), By Application Site (Cranial & Facial, Spine, Upper Extremities [Hand & Wrist, Arm, Shoulder, Elbow],

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Lower Extremities [Knee, Foot & Ankle, Thigh, Hip & Pelvis]) By End-User (Hospitals, Ambulatory Surgery Centers, Others), and By Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In the Product Type segment of the Internal Trauma Fixation Devices market, Plates & Screws are estimated to hold a higher share in the Internal Trauma Fixation Devices market during the forecast period (2022-2027). This can be attributed to the specific features associated with these devices.

The growth can be attributed to the minimally invasive application, modularity, and biomechanical characteristics of these devices.

The popularity of these devices among orthopedic clinics and trauma centers is further boosting the segment growth. Industry players are also launching new products to increase their market share.

For instance, on July 20, 2020, Orthofix Medical Inc. had announced that it had received Food and Drug Administration approval and European CE Mark approval for the JuniOrtho Plating System. The system has been created specifically for pediatric patients and has been designed to address the demands of advanced deformity and trauma reconstruction of the lower extremities.

Also, on April 20, 2018, Advanced Biomedical Technologies Inc., had announced that it had received approval from the China Food and Drug Administration (“CFDA”) for its polymer orthopedic internal fixation screws.

Hence, all the aforementioned factors will contribute to the growth of the plate and screws Internal Trauma Fixation Devices device in the Internal Trauma Fixation Devices market.

North America is expected to dominate the overall Internal Trauma Fixation Devices Market:

Among all the regions, North America is expected to account for the largest share in the Global Internal Trauma Fixation Devices market. Growing demand for advanced technologies in Internal Trauma Fixation Devices, rising prevalence of osteoporosis and other bone diseases, rising population of the elderly population, an increasing number of sports-related injuries among other factors are driving the regional growth in the Internal Trauma Fixation Devices market.

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Traumatic brain injuries (TBI), including concussions, are common and account for an estimated 3 million emergency room visits per year in the United States, according to the Centers for Disease Control and Prevention (CDC) 2020. Approximately 40% of all concussions are caused by slips and falls. Athletes and older people are considered to be at the highest risk of TBIs.

As per the data provided by the National Center for Health Statistics, Centers for Disease Control and Prevention, United States, for the study period 2017-2018, the prevalence of low bone mass (a precursor to osteoporosis) in the femoral neck or lumbar spine or both in adults aged 50 years and older is 43.1%, and in women (51.5%) were higher than men (33.5%). Thus, with all these deformities the demand for fixation devices will rise for the treatment.

Therefore, all the above-mentioned factors are anticipated to propel the market for Internal Trauma Fixation Devices in the United States region.

Internal Trauma Fixation Devices Market Key Players:

Some of the key market players operating in the Internal Trauma Fixation Devices market include Zimmer Biomet, aap Implantate AG, DePuy Synthes (Johnson & Johnson), B. Braun Meslungen AG, Stryker, Medtronic, Acumed, INION OY, Orthomed, Smith & Nephew, CONMED Corporation, Orthofix Medical Inc., Arthrex Inc., JEIL MEDICAL CORPORATION, OsteoMed, Medartis AG, Bioretec Ltd., Integra Lifesciences Holdings Corporation, Arthrex Inc., Orthopaedic Implant Company, and others.

Recent Developmental Activities in the Internal Trauma Fixation Devices Market:

In October 2021, Silver Bullet Therapeutics, Inc. announced its launch of antimicrobial OrthoFuzIon Bone Screw System at the DKOU German Congress of Orthopedics and Traumatology on October 26-29 in Berlin.

In August 2021, OrthoGrid® Systems, Inc. announced the launch of its new OrthoGrid Trauma Application. The new OrthoGrid Trauma is the latest application of OrthoGrid's Surgical Digital Platform. OrthoGrid Trauma is a patented, distortion-correcting, disruptive, and revolutionary surgery navigation software application that provides a unique digital intraoperative-alignment technology for Open Reduction and Internal Fixation (ORIF) procedures.

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Key Takeaways from The Internal Trauma Fixation Devices Market Report Study

Market size analysis for current Internal Trauma Fixation Devices market size (2020), and market forecast for 5 years (2022-2027)

The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the Internal Trauma Fixation Devices market.

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

Key companies dominating the global Internal Trauma Fixation Devices market.

Various opportunities available for the other competitor in the Internal Trauma Fixation Devices market space.

What are the top performing segments in 2021? How these segments will perform in 2027.

Which is the top-performing regions and countries in the current Internal Trauma Fixation Devices market scenario?

Which are the regions and countries where companies should have concentrated on opportunities for Internal Trauma Fixation Devices market growth in the coming future?

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

Internal Trauma Fixation Devices Product Types providers

Research organizations and consulting companies

Internal Trauma Fixation Devices-related organizations, associations, forums, and other alliances

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Government and corporate offices

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

Distributors and Traders dealing in Internal Trauma Fixation Devices

Various End-users who want to know more about the Internal Trauma Fixation Devices market and latest technological developments in the Internal Trauma Fixation Devices market.

Frequently Asked Questions for the Internal Trauma Fixation Devices Market:

1. What are Internal Trauma Fixation Devices?

Internal trauma fixation devices refer to medical devices implanted for the stabilization of fractured bones in the body. Some of the commonly used devices include cannulated screws, intramedullary nails, hip screws, cables, wires, plates, and pins.

2. What is the market for Global Internal Trauma Fixation Devices?

Global Internal Trauma Fixation Devices Market was valued at USD 9.52 Billion in 2021, growing at a CAGR of 7.03% during the forecast period from 2022 to 2027 to reach USD 14.32 Billion by 2027.

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

The Internal Trauma Fixation Devices market is witnessing a positive market growth owing to the rising number of trauma and accident cases, increase in the prevalence of degenerative bone disorders, a growing number of sports-related injuries, technological innovation in product development, thereby contributing to the growth of the Internal Trauma Fixation Devices market during the forecast period from 2022-2027

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

Some of the key market players operating in the Internal Trauma Fixation Devices market include Zimmer Biomet, aap Implantate AG, DePuy Synthes (Johnson &

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Johnson), B. Braun Meslungen AG, Stryker, Medtronic, Acumed, INION OY, Orthomed, Smith & Nephew, CONMED Corporation, Orthofix Medical Inc., Arthrex Inc., JEIL MEDICAL CORPORATION, OsteoMed, Medartis AG, Bioretec Ltd., Integra Lifesciences Holdings Corporation, Arthrex Inc., Orthopaedic Implant Company, and others.

5. Which region has the highest share in Internal Trauma Fixation Devices Market?

North America is expected to hold the highest share in the revenue in the Internal Trauma Fixation Devices market during the forecast period. Growing demand for advanced technologies in Internal Trauma Fixation Devices, rising prevalence of osteoporosis and other bone diseases, rising population of the elderly population, an increasing number of sports-related injuries among other factors are driving the regional growth in the Internal Trauma Fixation Devices market.

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