

## **Cranial Fixation System- Market Insights, Competitive Landscape and Market Forecast-2027**

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### **Report description:**

Cranial Fixation System Market By Product Type (Plates & Screws, Mesh, Skullclamp, Horseshoe Headrest, Others), By Absorbability (Non-Absorbable, Absorbable), By End-User (Hospitals, Ambulatory Surgical 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 an increase in the prevalence of neurological disorders

Global Cranial Fixation System Market was valued at USD 1.56 billion in 2021, growing at a CAGR of 8.48% during the forecast period from 2022 to 2027 to reach USD 2.54 billion by 2027. The Cranial Fixation System market is witnessing positive growth owing to the rising number of trauma and accident cases, an increase in the prevalence of neurological 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.

Cranial Fixation System Market Dynamics:

The Cranial Fixation System 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 the Cranial Fixation System market.

Traumatic brain injury contributes to worldwide death and disability more than any other traumatic abuse. Many epidemiological studies have been limited in comprehensively measuring the incidence of cross-injury such as TBI, 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 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 neurological injuries.

The world is facing a silent epidemic of road traffic accidents in developing countries: by 2020, road traffic crashes will have moved from ninth to third place in the world ranking of the burden of disease and will be in second place in developing countries.

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

Moreover, an increase in the prevalence of neurological disorders is another factor responsible for boosting the growth of the Cranial Fixation System market. According to Pan American Health Organization 2021, regionwide in 2019, neurological disorders accounted for 8.2 million Years lived with disability (YLDs), 3.1 million YLLs in men, and 5.1 million YLLs in women; 815.8 YLDs per 100,000 population (crude rate), 631.3 years per 100,000 for men, and 995.2 years per 100,000 population for women.

However, incidents of metal sensitivity in patients and the high cost of procedures may be certain limiting factors to the Cranial Fixation System market growth.

The unprecedented COVID-19 outbreak had a profound impact on the market for Cranial Fixation System. 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.

**Cranial Fixation System Market Segment Analysis:**

Cranial Fixation System Market By Product Type (Plates & Screws, Mesh, Skullclamp, Horseshoe Headrest, Others), By Absorbability (Non-Absorbable, Absorbable), By End-User (Hospitals, Ambulatory Surgical Centers, Others), and By Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In the Product Type segment of the Cranial Fixation System market, Plates & Screws is estimated to hold a higher share in the Cranial Fixation System 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 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 Cranial Fixation System device in the Cranial Fixation System market.

**North America is expected to dominate the overall Cranial Fixation System Market:**

Among all the regions, North America is expected to account for the largest share in the Global Cranial Fixation System market. Growing demand for advanced technologies in Cranial Fixation System, a rise in the elderly population, an increasing number of sports-related injuries among other factors are driving the regional growth in the Cranial Fixation System market.

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.

Thus, with all these deformities the demand for fixation devices will rise for treatment.

Moreover, technological advancements and rising product launch also boost the growth of the Cranial Fixation System market. For instance, in September 2021, MedCAD officially announced FDA 510(k) market clearance for AccuPlate Patient-Specific Plates for mandibular reconstructive surgery.

In December 2021, Kelyniam Global, a leader in the design and manufacture of custom cranial implants, announced that the United States Patent and Trademark Office issued the company an Issue Notification for a patent covering the company's Integrated Fixation Tabs, currently marketed as IFS Tabs or KwikTabs. The US patent covers the integration of fixation appendages into a cranial implant and their design.

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

**Cranial Fixation System Market Key Players:**

Some of the key market players operating in the Cranial Fixation System market include B. Braun Melsungen AG, Medtronic, Stryker, DePuy Synthes (Johnson & Johnson), Kinamed Incorporated, Vitalys Surgical, Bioplate, G.SURGIWEAR LTD., Zimmer Biomet, Chengdu MedArt Medical Scientific Co., Ltd., Inion, NEOS Surgery S.L., AGOMED?Medizin-Technik?GmbH, Jeil Medical

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Corporation, Acumed, Changzhou Huida Medical Instrument Co., Ltd., evonos GmbH & Co. KG, Integra LifeSciences, KLS Martin Group, Stryker and others.

Recent Developmental Activities in the Cranial Fixation System Market:

- In December 2021, Kelyniam Global, Inc. announced that it entered into a strategic licensing agreement with Fin-ceramica faenza spa to market the company's hydroxyapatite patient-specific Cranial implant.
- In October 2021, ClearPoint Neuro developed the first navigation system that allowed neurosurgeons to perform minimally invasive procedures under real-time MRI guidance. The bigger potential lied in ClearPoint being the go-to-neurosurgical platform that provides the tools needed to solve some of the most devastating neurological disorders.

Key Takeaways from the Cranial Fixation System Market Report Study

- ? Market size analysis for current Cranial Fixation System market size (2021), 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 Cranial Fixation System market.
- ? Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years
- ? Key companies dominating the global Cranial Fixation System market.
- ? Various opportunities available for the other competitor in the Cranial Fixation System 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 Cranial Fixation System market scenario?
- ? Which are the regions and countries where companies should have concentrated on opportunities for Cranial Fixation System market growth in the coming future?

Target Audience who can be benefited from this Cranial Fixation System Market Report Study

- ? Cranial Fixation System products providers
- ? Research organizations and consulting companies
- ? Cranial Fixation System-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 Cranial Fixation System
- ? Various End-users who want to know more about the Cranial Fixation System market and latest technological developments in the Cranial Fixation System market.

Frequently Asked Questions for the Cranial Fixation System Market:

1. What is Cranial Fixation System?

Cranial fixation devices are medical devices used for securely fixing bone flaps resulting from craniotomies. It refers to the medical devices implanted for the stabilization of the brain.

2. What is the market for Global Cranial Fixation System?

Global Cranial Fixation System Market was valued at USD 1.56 billion in 2021, growing at a CAGR of 8.48% during the forecast period from 2022 to 2027 to reach 2.54 billion by 2027.

3. What are the drivers for the Global Cranial Fixation System Market?

The Cranial Fixation System market is witnessing positive market growth owing to the rising number of trauma and accident cases, an increase in the prevalence of neurological disorders, growing number of sports-related injuries, technological innovation in product development is thereby contributing to the growth of the Cranial Fixation System market.

4. Who are the key players operating in the Global Cranial Fixation System Market?

Some of the key market players operating in the Cranial Fixation System market include B. Braun Melsungen AG, Medtronic, Stryker, DePuy Synthes (Johnson & Johnson), Kinamed Incorporated, Vitalys Surgical, Bioplate, G.SURGIWEAR LTD., Zimmer Biomet, Chengdu MedArt Medical Scientific Co., Ltd., Inion, NEOS Surgery S.L., AGOMED?Medizin-Technik?GmbH, Jeil Medical Corporation, Acumed, Changzhou Huida Medical Instrument Co., Ltd., evonos GmbH & Co. KG, Integra LifeSciences, KLS Martin Group, Stryker, and others.

5. Which region has the highest share in Cranial Fixation System Market?

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North America is expected to hold the highest share of the revenue in the Cranial Fixation System market during the forecast period. Growing demand for advanced technologies in Cranial Fixation System, a rise in the elderly population, an increasing number of sports-related injuries among other factors, are expected to aid in the growth of the North America Cranial Fixation System Market in this region.?

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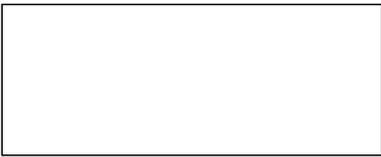
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