

# Trauma Devices Market Share, Industry Growth, Trend, Drivers, Challenges, Key Companies by 2028 | Reports and Data

*Technical innovations in the field of genetic engineering, innovations of various materials for implants manufacturing, and trauma injuries*

NEW YORK, NEW YORK, UNITED STATES, September 28, 2021

/EINPresswire.com/ -- According to the current analysis of Reports and Data, the [Trauma devices market](#) was valued



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at USD 8,099.8 Million in 2020 and is expected to reach USD 12.93 Billion by the year 2028, at a CAGR of 6.2%. Trauma is referred to as any extreme injury caused due to severe accidents. The injuries caused by trauma include bone fractures or bone breakage and tissue injuries. These injuries are corrected using trauma devices, which serve as a replacement for the damaged part of the body. The trauma injuries are caused at an immense level in motor accidents on the road. The increased number of accidents in developing countries has widely driven the market. According to the World Health Organization, 20 to 50 million suffer trauma injuries on roadside accidents, which is a driving factor for the market. Many such injuries require trauma devices for treatment and recovery of the body. The geriatric population loses bone density with increasing age, and hence this population is more prone to hip and knee fractures even by a minor accident. According to the George Institute for global health, it is estimated that by 2020, almost 20% of the Indian population will be older than 60 years, and the annual incidence of hip fractures will reach 600,000. Such instances are a crucial primary driver for the market. Various new innovative tools are coming up in the market through the research and development sector, which used technology from genetic engineering to create products that are expected to drive the market widely. Though the use of trauma devices is highly anticipated, the cost of the devices could be a restraint for the market. Also, the materials used to make the trauma devices are not quickly approved by the government organizations owing to the compatibility and allergy issues of the patients. The material used to make these implants are expected to be highly inert and compatible with the body. Therefore, companies find it difficult to obtain approval for these devices. These factors are expected to be a significant restraint for the market.

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Increasing development of on-demand, digitally enabled, and seamlessly connected clinician-patient interactions to manage patient base is expected to drive pharma and healthcare market in the coming years. After the COVID-19 outbreak there has been a number of foundational shifts in the healthcare system. Some of the examples include increasing consumer involvement in health care decision-making, the rapid adoption of virtual health & other digital innovations, increasing focus on utilization of interoperable data & data analytics, and increased public-private collaborations in therapeutics and vaccine development. The increased public-private collaborations for vaccine development has arisen due to high pressure of regional governments. Health care providers, and other stakeholders have invested heavily to quickly pivot, adapt, and innovate therapeutics.

Further key findings from the report suggest

The upper and lower extremities segments account for a larger market share due to increase in accidents. Sports-related injuries that affect the lower extremities such as the knee, ankle and foot are more in case of children below 18 years.

Further, FDA has given approval to Nextremity Solution Inc. in January 2020 for its tarsometatarsal joint device (TMT) which is device fixed in the midfoot. The implants are significantly manufactured using color anodized Ti-6Al-4V alloy.

The ortho-biologic products and biodegradable materials used to make these devices are expected to drive the market significantly during the forecast period. Since trauma devices are expected to be bio-compatible with the body, innovative products made out of biodegradable material are highly in demand.

Additive manufacturing or 3-D printing is escalating the development in implants widely. For instance, in May 2019 researchers from Charité Universitätsmedizin, Berlin have introduced a titanium-mesh scaffold that is used to implant in affected bone. The scaffold is 3-D printed filled with patient's own bone tissue, growth factors and bone replacement material which helps to promote bone regeneration.

The Asia Pacific is an emerging region for the market with a CAGR of 7.3%. The rise in number of hospitals and ambulatory centers is expected to be the reason for such a fast growth regionally.

According to the World Health Organization, 20-50 million suffer trauma injuries on road side accidents which is a growth factor for the market. Many such injuries require trauma devices for treatment and recovery of the body.

However, dynamic investments in R&D activities pave the way for the introduction of innovative trauma solutions. For instance, Depuy Synthes, a subsidiary of Johnson & Johnson (J&J)

manufacturing medical devices, invested around USD 1.6 billion in R&D activities in 2015.

The leading players introducing an array of products through extensive research capabilities to expand their product portfolio through partnerships with other players. For instance, in July 2017, Cardinal Health acquired the patient recovery business from Medtronic for USD 6.1 billion. The acquisition helped expand Cardinal Health's portfolio by adding 23 product categories, including segment leader brands such as Kendall, Curity, Kangaroo, Dover, and Argyle.

The key players in the Trauma devices market are Siemens, Cardinal Health, , Depuy Synthes (Johnson and Johnson), Acumed LLC, B. Braun Melsungen AG, Integra LifeSciences, Smith & Nephew, Zimmer Biomet Holdings Inc., Stryker Corporation,

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For the purpose of this report, Reports and Data has segmented the trauma devices market on the basis of type, surgical site, composition, end-use and region:

Type Outlook (Revenue in Million USD; 2018–2028)

Internal Fixation Devices

Plates

Rods & Pins

Intramedullary Nails

Cannulated Screws

Compression Hip Screws

External Fixation Devices

Circular Fixation Devices

Uniplanar & Biplanar Fixators

Hybrid Fixators

Surgical site Outlook (Revenue in Million USD; 2018–2028)

Upper Extremity

Hand & Wrist

Shoulder

Arm

Elbow

Lower Extremity

Knee

Lower Leg

Foot & Ankle

Hip & Pelvis

Thigh

Composition Outlook (Revenue in Million USD; 2018–2028)

Bioabsorbable Fixators

Metallic Fixators

End-User Outlook (Revenue in Million USD; 2018–2028)

Hospitals

Ambulatory Surgical Centers

Others

Key Regional Markets Studied in the Report:

North America (U.S., Canada)

Europe (U.K., Italy, Germany, France, Rest of EU)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

The Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

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Major Highlights of the Trauma Devices Market Report:

The Trauma Devices market analysis report offers an in-depth study of the potential market growth opportunities and challenges.

The report dives deeper into the market and explains the dynamic factors bolstering market growth.

The report deeply assesses the current, historical market size, market share, and revenue growth rates to offer accurate market projections for the forecast period.

The report analyzes the Trauma Devices market presence across major regions of the world.

It determines the production & consumption capacities and demand & supply dynamics of each regional market.

The report further illustrates the intense competition among the key market players and highlights their effective business expansion plans and strategies.

It provides company overview and SWOT analysis of each of the market players.

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