

# **Global Intramedullary Nails Market Size study, by Material (Stainless Steel, Titanium), By Product Type (Upper Bone Extremities, Lower Bone Extremities), By Application (Femoral Intramedullary nail, Tibial Intramedullary Nail, Gamma Intramedullary Nail, Others), By End-user (Hospitals, Specialty clinics, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Intramedullary Nails Market is valued approximately at USD 1.02 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 5.72% over the forecast period 2024-2032. In orthopedic surgery, intramedullary nails are utilized to address long bone fractures in areas like the humerus, tibia, and femur. These nails, inserted into the bone's marrow cavity, serve to stabilize and realign fractured bone fragments, promoting healing and restoring function. Typically made of metals such as titanium or stainless steel, they come in various lengths and diameters to suit different bone sizes and fracture types. Once implanted, intramedullary nails provide internal fixation, supporting the bone and creating favorable conditions for optimal healing. This method is commonly preferred for fractures that are too unstable for traditional casting or external fixation techniques. Intramedullary nailing stands as a pivotal technique in orthopedic fracture management by promoting accelerated healing, minimizing discomfort, and enabling early movement of the affected limb. Manufacturers are focusing on developing intramedullary nails using materials such as titanium alloys, which offer superior strength, biocompatibility, and corrosion resistance compared to traditional materials like stainless steel. These advanced materials offer better implant longevity and also reduce the risk of adverse reactions and complications. Accordingly, the rise in adoption of advanced materials and technologies to enhance surgical outcomes and patient experience is a key trend for the growth of the Global

## Intramedullary Nails Market.

The global intramedullary nails market growth is being driven by the key factors such as the rising advantages provided by intramedullary nails plating, the growing availability of a diverse range of intramedullary nails in various sizes, favorable health reimbursement policies, and an increase in the occurrence of birth deformities affecting the femur, humerus, and tibia in children. The increasing prevalence of orthopedic injuries, including fractures of long bones like femur, tibia, and humerus, is a major driving force for the intramedullary nails market. These devices are crucial in stabilizing and promoting healing in such fractures. Furthermore, the rising elderly population is expected to drive the growth of the intramedullary nails market. Additionally, the rising development of intramedullary nails that are compatible with MRI and CT scans is anticipated to further stimulate market growth throughout the forecast period. However, lack of skilled professionals, along with availability of alternative treatment options is anticipated to stifle market growth between 2022 and 2032.

The key regions considered for the global Intramedullary Nails Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America is expected to maintain its leading position in terms of market revenue in the global intramedullary nails market owing to the surge in demand of intramedullary nails, rising instances of orthopedic injuries, and a widespread acceptance of orthopedic implants. Many orthopedic trauma and reconstruction device companies have experienced positive outcomes because of supportive regulatory approvals in the region. For instance, Globus Medical, Inc., a U.S.-based firm, obtained more than eighty-two FDA product approvals. Additionally, increasing collaborations between government bodies and private associations, has significantly contributed to market expansion. For instance, In October 2021, ExsoMed Corporation, a privately held medical device firm located in the United States that specializes in orthopedic solutions for hand surgery, announced that 10,000 metacarpal fractures had been successfully treated with the INnate Intramedullary Threaded Nail. This accomplishment has been made attainable in large part by the INnate nail, which is designed for minimally invasive fixing of metacarpal fractures.

Major market player included in this report are:

B. Braun Melsungen AG (Germany)

Orthofix Holdings, Inc. (United States)

Advanced Orthopaedic Solutions (United States)

Stryker (United States)

Smith+Nephew (United Kingdom)  
Aysam Ortopedi & Tibbi Cihazlar (Turkey)  
Wright Medical Group N.V. (Netherlands)  
Zimmer Biomet (United States)  
Johnson & Johnson Inc. (United States)  
Pega Medical Inc (Canada)

The detailed segments and sub-segment of the market are explained below:

#### By Material

Stainless Steel  
Titanium

#### By Product Type

Upper Bone Extremities  
Lower Bone Extremities

#### By Application

Femoral Intramedullary nail  
Tibial Intramedullary Nail  
Gamma Intramedullary Nail  
Others

#### By End-user

Hospitals  
Specialty clinics  
Others

#### By Region:

North America  
U.S.  
Canada  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE  
Asia Pacific

China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Middle East & Africa  
Saudi Arabia  
South Africa  
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

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