

# **US 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), Forecasts 2022-2032**

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## **Abstracts**

US Intramedullary Nails Market is valued approximately at USD 318.61 million in 2023 and is anticipated to grow with a healthy growth rate of more than 5.72% over the forecast period 2024-2032. Intramedullary nails serve as medical implements employed in orthopedic procedures to address long bone fractures, such as those affecting the humerus (upper arm bone), tibia (shin bone), and femur (thigh bone). These nails are inserted into the bone's marrow cavity with the aim of stabilizing and realigning fractured bone fragments to promote healing and restore functionality. Typically crafted from metals like titanium or stainless steel, intramedullary nails come in diverse lengths and diameters to suit varying bone sizes and fracture patterns. Once implanted, they provide internal fixation, aiding in bone support and creating an optimal environment for healing. This approach is commonly adopted for fractures that prove too unstable for conventional casting or external fixation methods. 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. The growing emphasis on personalized and patient-specific implant solutions is a key trend for the growth of the US Intramedullary Nails Market.

The rise in prevalence of orthopedic injuries, particularly fractures in long bones like the femur, tibia, and humerus, propels the demand for intramedullary nails as an effective

treatment method. Technological advancements play a major role, with ongoing innovations in nail design, materials, and surgical techniques enhancing outcomes and patient satisfaction. Additionally, the aging population contributes significantly to market growth, as age-related fractures become more prevalent. Sports-related injuries and traumatic incidents further drive the demand for orthopedic interventions, including intramedullary nailing, among athletes and individuals with active lifestyles. The robust healthcare infrastructure and access to specialized facilities and skilled orthopedic surgeons support market expansion. Moreover, there are various 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 orthopaedic 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. However, lack of skilled professionals, along with availability of alternative treatment options is anticipated to stifle market growth between 2022 and 2032.

Major market player included in this report are:

Orthofix Holdings, Inc. (United States)  
Advanced Orthopaedic Solutions (United States)  
Stryker (United States)  
Zimmer Biomet (United States)  
Johnson & Johnson Inc. (United States)  
Company 6  
Company 7  
Company 8  
Company 9  
Company 10

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

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 Country 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.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. US INTRAMEDULLARY NAILS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. US Intramedullary Nails Market Size & Forecast (2022- 2032)
- 2.2. Segmental Summary
  - 2.2.1. By Material
  - 2.2.2. By Product Type
  - 2.2.3. By Application
  - 2.2.4. By End-user
- 2.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

### **CHAPTER 3. US INTRAMEDULLARY NAILS MARKET DYNAMICS**

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

## **CHAPTER 4. US INTRAMEDULLARY NAILS MARKET: INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economic
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. US INTRAMEDULLARY NAILS MARKET SIZE & FORECASTS BY MATERIAL 2022-2032**

- 5.1. Stainless Steel
- 5.2. Titanium

## **CHAPTER 6. US INTRAMEDULLARY NAILS MARKET SIZE & FORECASTS BY PRODUCT TYPE 2022-2032**

- 6.1. Upper Bone Extremities
- 6.2. Lower Bone Extremities

## **CHAPTER 7. US INTRAMEDULLARY NAILS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

- 7.1. Femoral Intramedullary nail
- 7.2. Tibial Intramedullary Nail
- 7.3. Gamma Intramedullary Nail
- 7.4. Others

## **CHAPTER 8. US INTRAMEDULLARY NAILS MARKET SIZE & FORECASTS BY END-USER 2022-2032**

- 8.1. Hospitals
- 8.2. Specialty clinics
- 8.3. Others

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Company
  - 9.1.2. Company
  - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Orthofix Holdings, Inc. (United States)
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Market Strategies
  - 9.3.2. Advanced Orthopaedic Solutions (United States)
  - 9.3.3. Stryker (United States)
  - 9.3.4. Zimmer Biomet (United States)
  - 9.3.5. Johnson & Johnson Inc. (United States)
  - 9.3.6. Company 6s
  - 9.3.7. Company
  - 9.3.8. Company
  - 9.3.9. Company
  - 9.3.10. Company

## **CHAPTER 10. RESEARCH PROCESS**

### 10.1. Research Process

#### 10.1.1. Data Mining

#### 10.1.2. Analysis

#### 10.1.3. Market Estimation

#### 10.1.4. Validation

#### 10.1.5. Publishing

### 10.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. US Intramedullary Nails Market, report scope

TABLE 2. US Intramedullary Nails Market estimates & forecasts by Material 2022-2032 (USD Million)

TABLE 3. US Intramedullary Nails Market estimates & forecasts by Product Type 2022-2032 (USD Million)

TABLE 4. US Intramedullary Nails Market estimates & forecasts by Application 2022-2032 (USD Billion)

TABLE 5. US Intramedullary Nails Market estimates & forecasts by End-user 2022-2032 (USD Million)

TABLE 6. US Intramedullary Nails Market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 7. US Intramedullary Nails Market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 8. US Intramedullary Nails Market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 9. US Intramedullary Nails Market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 10. US Intramedullary Nails Market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 11. U.S. Intramedullary Nails Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 12. U.S. Intramedullary Nails Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 13. U.S. Intramedullary Nails Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 14. List of secondary sources, used in the study of US Intramedullary Nails Market.

TABLE 15. List of primary sources, used in the study of US Intramedullary Nails Market.

TABLE 16. Years considered for the study.

TABLE 17. Exchange rates considered.



## List Of Figures

### LIST OF FIGURES

- FIG 1. US Intramedullary Nails Market, research methodology
- FIG 2. US Intramedullary Nails Market, market estimation techniques
- FIG 3. US market size estimates & forecast methods.
- FIG 4. US Intramedullary Nails Market, key trends 2023
- FIG 5. US Intramedullary Nails Market, growth prospects 2022-2032
- FIG 6. US Intramedullary Nails Market, porters 5 force model
- FIG 7. US Intramedullary Nails Market, pestel analysis
- FIG 8. US Intramedullary Nails Market, value chain analysis
- FIG 9. US Intramedullary Nails Market by segment, 2022 & 2032 (USD Million)
- FIG 10. US Intramedullary Nails Market by segment, 2022 & 2032 (USD Million)
- FIG 11. US Intramedullary Nails Market by segment, 2022 & 2032 (USD Million)
- FIG 12. US Intramedullary Nails Market by segment, 2022 & 2032 (USD Million)
- FIG 13. US Intramedullary Nails Market by segment, 2022 & 2032 (USD Million)
- FIG 14. US Intramedullary Nails Market, company market share analysis (2023)

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