Orthopedic Implants Market Research Report – Forecast to 2023

Global Orthopedic Implants Market Research Report: By Product Type (Spinal, Dental), Procedure (Open Surgery, MIS), Biomaterial (Metallic, Polymer, Ceramic), Device Type (Internal Fixation Device, External Fixation), Application, End-User—Forecast 2023

Market Scenario

An orthopedic implant is placed within the body’s skeleton and muscle systems to correct existing problems or provide stability. Technological advancements and products development are the best strategies that yield the greatest market benefit. Changing technology, increasing the prevalence of osteoporosis, increasing funding for R&D, and market growth in emerging economies are major driving forces for the global orthopedic devices market.

The growing prevalence of orthopedic conditions, such as fractures, degenerative bone disease osteoporosis, rising number of road accidents, and arthritis are some of the major factors driving the market for orthopedic devices. The World Health Organization (WHO) predicts the prevalence of rheumatoid arthritis to be between 0.3% and 1% and more common in women and developed countries. Rising cases of obesity, sedentary lifestyle, long working hours, and rising sports culture result in the early onset of musculoskeletal disorders which boosts the market.

For instance, in June 2015, Zimmer Holdings, Inc. acquired Biomet, Inc. The synergistic forces of both united as a single entity, ZimmerBiomet Holdings, Inc., which is now armed with a combined product portfolio and has resulted in its strengthened position in the musculoskeletal market. Similarly, Smith & Nephew plc acquired Blue Belt Technologies, Inc., in October 2015, with the aim of strengthening its products offering in the fast-growing and orthopedic robotics-assisted surgery space.

Factors such as a rise in the prevalence of orthopedic injuries or diseases and the rapid growth in aged population globally are driving the growth of the global orthopedic implants market. Moreover, technological innovations, such as acceptance for implantable medical devices, robot-assisted surgical tools, and extensive applications of orthopedic implants to treat orthopedic diseases and musculoskeletal diseases further enhance the market growth. However, high cost associated with procedures involving orthopedic implants for treatment and stringent government policies hamper the market growth.

The global market for orthopedic implants is expected to register a CAGR of approximately 6.8% during the forecast period, 2017 to 2023.

Segmentation

The global orthopedic implants market is segmented on the basis of product type, procedure, biomaterial, device type, application, and end-user.

On the basis of product type, the global orthopedic implants market can be segmented into spinal implants, dental implants, trauma and craniomaxillofacial implants, reconstructive joint implants, orthobiologics, and others.

On the basis of procedure, the global orthopedic implants market is classified as open surgery, Minimally Invasive Surgery (MIS), and others.
On the basis of biomaterial, the global orthopedic implants market is classified into metallic biomaterials, polymer biomaterials, ceramic biomaterials, and natural biomaterials.

On the basis of device type, the global orthopedic implants market can be segmented into internal fixation devices and external fixation devices. External fixation devices are further subdivided into orthopedic rods/wires, orthopedic screws, orthopedic plates, fixation pins, and orthopedic nails.

On the basis of application, the global orthopedic implants market is classified into neck fracture, spine fracture, hip replacement, shoulder replacement, and others.

On the basis of end-user, the global orthopedic implants market is classified into hospitals, orthopedic clinics, home cares, and others.

Regional Analysis

The global orthopedic implants market consists of four regions, namely, America, Europe, Asia-Pacific, and the Middle East and Africa.

The Americas dominated the global orthopedic implants market over the forecast period. The dominance is majorly attributed to the growing geriatric population count thereby increasing the number of patients suffering from osteoarthritis and osteoporosis. The North American region dominated the orthopedic implants market with a revenue share of 53.4% in 2015. It was observed that Total Joint Arthroplasty (TJA) acknowledged a great deal of attention in the US due to the increasing demand and rising cost. Furthermore, the gradual transition towards minimally invasive procedures is projected to thrust the market growth in the American region.

The European region is the second largest market owing to the increase in the geriatric population and the increasing demand for orthopedic implants and devices for the treatment of spinal disorders. This rise in the number patients suffering from bone-related issues is likely to create a promising market opportunity for the sale of orthopedic implants in the orthopedic implants market in the European region.

Asia-Pacific is the emerging market in the global orthopedic implants market owing to the growing patient awareness levels related to the commercial availability of orthopedic implants, booming medical tourism, and the constantly improving healthcare infrastructure. China, India, and Brazil are anticipated to register the fastest growth during the forecast period. As per a study conducted by Osteoporosis Australia, out of approximately 4.74 million Australians over 50% have osteoporosis or poor bone health. Besides, as per the 2013 data, at least one fracture occurs every 3.6 minutes in Australia which is projected to go up to one fracture every 2.9 minutes by 2022. As a result, Asia-Pacific is anticipated to show significant growth from 2016 to 2024.

Key Players

Some major players in the global orthopedic implants market include Depuy Synthes Inc. (Johnson & Johnson) (US), Globus Medical, Inc. (US), NuVasive, Inc. (US), Smith & Nephew plc. (UK), Stryker Corporation (US), Zimmer Biomet Holdings, Inc. (US), Integra LifeSciences Holdings Corporation (US), Medtronic, plc (Ireland), The Orthopedic Implant Company (US), Wright Medical Group N.V. (Netherlands), Aesculap Implant Systems (US), BioTek Instruments, Inc. (US), Conmed Corporation (US), Arthrocare Corporation (US), and others.

Research Methodology

Market Research Future research is conducted by industry experts who offer insight into industry structure, market segmentation, Treatment assessment, Competitive Landscape (CL), penetration, as well as on emerging trends. Besides primary interviews (~ 80%) and secondary research (~ 20%), their analysis is based on their years of professional expertise in respective industries. Our analysts also predict where the market will be headed in the next five to ten years, by analyzing historical trends and current market positions. Furthermore, the varying trends of segments & categories geographically presented are studied and are estimated based on primary & secondary research.

Primary Research

The extensive primary research was conducted to gain a deeper insight into the market and the industry performance. In this particular report, we have conducted primary surveys (interviews) with the key level executives (VPs, CEOs, Marketing Directors, Business Development Managers, and many more) of the major players who are active in the market.
In addition to analyzing the current and historical trends, our analysts predict where the market is headed, over the next five to ten years.

- **Secondary Research**

Secondary research was mainly used to collect and identify information useful for an extensive, technical, market-oriented, and commercial study of the global orthopedic implants market. It was also used to obtain key information about major players, market classification and segmentation according to the industry trends, geographical markets, & developments related to the market and Treatment Perspectives. For this study, analysts have gathered information from various credible sources, such as annual reports, SEC filings, journals, white papers, corporate presentations, company websites, the international organization of chemical manufacturers, some paid databases, and many others.

On the basis of end-user, the global orthopedic implants market is classified into hospitals, orthopedic clinics, home cares, and others.

Global Orthopedic Implants Market, by Product Type
- Spinal implants
- Dental implants
- Trauma & craniomaxillofacial implants
- Reconstructive joint implants
- Orthobiologics
- Others

Global Orthopedic Implants Market, by Procedure
- Open Surgery
- Minimally Invasive Surgery (MIS)
- Others

Global Orthopedic Implants Market, by Biomaterial
- Metallic Biomaterials
- Polymer Biomaterials
- Ceramic Biomaterials
- Natural Biomaterials

Global Orthopedic Implants Market, by Device Type
- Internal Fixation Devices
- External Fixation Devices
- Orthopedic Rods/Wire
- Orthopedic Screws
- Orthopedic Plates
- Fixation Pins
- Orthopedic Nails

Global Orthopedic Implants Market, by Application
- Neck Fracture
- Spine Fracture
- Hip Replacement
- Shoulder Replacement
- Others

Global Orthopedic Implants Market, by End-User
- Hospital
- Orthopedic Clinics
- Home Cares
- Others

Global Orthopedic Implants Market, by Region
- Americas
- North America
- US
- Canada
- South America
Company Profiles

- Depuy Synthes Inc.
- Globus Medical, Inc.
- NuVasive, Inc.
- Smith & Nephew plc.
- Stryker Corporation
- Zimmer Biomet Holdings, Inc.
- Integra LifeSciences Holdings Corporation
- NuVasive, Inc.
- The Orthopedic Implant Company

Intended Audience

- Orthopedic implants manufacturers
- Orthopedic implants suppliers
- Contract Research Organizations (CROs)
- Research and Development (R&D) Companies
- Government research laboratories
- Government and independent regulatory authorities
- Market research and consulting service providers

Contents:

Table of Contents:

Chapter 1. Report Prologue

Chapter 2. Market Introduction

2.1 Definition
2.2 Scope of the Study
2.2.1 Research Objective
2.2.2 Assumptions
2.2.3 Limitations

Chapter 3. Research Methodology

3.1 Introduction
3.2 Primary Research
3.3 Secondary Research
3.4 Market Size Estimation

Chapter 4. Market Dynamics

4.1 Drivers
4.2 Restraints
4.3 Opportunities
4.4 Challenges
4.5 Macroeconomic Indicators
4.6 Technology Trends & Assessment

Chapter 5. Market Factor Analysis
5.1 Porter’s Five Forces Analysis
5.1.1 Bargaining Power of Suppliers
5.1.2 Bargaining Power of Buyers
5.1.3 Threat of New Entrants
5.1.4 Threat of Substitutes
5.1.5 Intensity of Rivalry
5.2 Value Chain Analysis
5.3 Investment Feasibility Analysis
5.4 Pricing Analysis

Chapter 6. Global Orthopedic Implants Market, by Product Type
6.1 Introduction
6.2 Spinal implants
6.3 Dental implants
6.4 Trauma & craniomaxillofacial implants
6.6 Reconstructive joint implants
6.7 Orthobiologics
6.8 Others

Chapter 7. Global Orthopedic Implants Market, by Procedure
7.1 Introduction
7.2 Open Surgery
7.3 Minimally Invasive Surgery (MIS)
7.4 Others

Chapter 8. Global Orthopedic Implants Market, by Biomaterial
8.1 Introduction
8.2 Metallic Biomaterials
8.3 Polymer Biomaterials
8.4 Ceramic Biomaterials
8.5 Natural Biomaterials Constipation

Chapter 9. Global Orthopedic Implants Market, by Device Type
9.1 Introduction
9.2 Internal Fixation Devices
9.3 External Fixation Devices
9.3.1 Orthopedic Rods/Wire
9.3.2 Orthopedic Screws
9.3.3 Orthopedic Plates
9.3.4 Fixation Pins
9.3.5 Orthopedic Nails Sodium Phosphate Enemas

Chapter 10. Global Orthopedic Implants Market, by Application
10.1 Introduction
10.2 Neck Fracture
10.2 Spine Fracture
10.2 Hip Replacement
10.2 Shoulder Replacement
10.2 Others

Chapter 11. Global Orthopedic Implants Market, by End-User
11.1 Introduction
11.2 Hospital
11.3 Orthopedic Clinics
11.4 Home Cares
11.5 Others

Chapter 12. Global Orthopedic Implants Market, by Region
12.1 Introduction
12.2 Americas
12.2.1 North America
12.2.1.1 US
12.2.1.2 Canada
12.2.2 South America
12.3 Europe
12.3.1 Western Europe
12.3.1.1 Germany
12.3.1.2 France
12.3.1.3 Italy
12.3.1.4 Spain
12.3.1.5 UK
12.3.1.6 Rest of Western Europe
12.3.2 Eastern Europe
12.4 Asia-Pacific
12.4.1 Japan
12.4.2 China
12.4.3 India
12.4.4 Australia
12.4.5 South Korea
12.4.6 Rest of Asia-Pacific
12.5 The Middle East & Africa
12.5.1 The Middle East
12.5.2 Africa

Chapter 13. Company Landscape
13.1 Introduction
13.2 Market Share Analysis
13.3 Key Development & Strategies

Chapter 14. Company Profiles
14.1 Depuy Synthes Inc.
14.1.1 Company Overview
14.1.2 Product Overview
14.1.3 Financials Overview
14.1.4 Key Developments
14.1.5 SWOT Analysis
14.2 Globus Medical, Inc.
14.2.1 Company Overview
14.2.2 Product Overview
14.10.3 Financials
14.10.4 Key Developments
14.10.5 SWOT Analysis
14.11 Flexicare Medical Limited
14.11.1 Overview
14.11.2 Product Overview
14.11.3 Financials
14.11.4 Key Developments
14.11.5 SWOT Analysis
14.12.1 Overview
14.12.2 Product Overview
14.12.3 Financials
14.12.4 Key Developments
14.12.5 SWOT Analysis
14.13 BioTek Instruments, Inc.
14.14.1 Overview
14.14.2 Product Overview
14.14.3 Financials
14.14.4 Key Developments
14.14.5 SWOT Analysis
14.14 Others
Chapter 15 MRFR Conclusion
15.1 Key Findings
15.1.1 From CEO’s View Point
15.1.2 Unmet Needs of the Market
15.2 Key Companies to Watch
Chapter 16 Appendix
LIST OF TABLES
Table 1 Global Orthopedic implants Market Synopsis, 2018–2023
Table 2 Global Orthopedic implants Market Estimates and Forecast, 2018–2023, (USD Million)
Table 3 Global Orthopedic Implants Market, by Region, 2018–2023, (USD Million)
Table 4 Global Orthopedic Implants Market, by Product Type, 2018–2023, (USD Million)
Table 5 Global Orthopedic Implants Market, by Procedure, 2018–2023, (USD Million)
Table 6 Global Orthopedic Implants Market, by Biomaterial, 2018–2023, (USD Million)
Table 7 Global Orthopedic Implants Market, by Device Type, 2018–2023, (USD Million)
Table 8 Global Orthopedic Implants Market, by Application, 2018–2023, (USD Million)
Table 9 Global Orthopedic Implants Market, by End-User, 2018–2023, (USD Million)
Table 10 North America Global Orthopedic Implants Market, by Product Type, 2018–2023, (USD Million)
Table 11 North America Global Orthopedic Implants Market, by Procedure, 2018–2023, (USD Million)
Table 12 North America Global Orthopedic Implants Market, by Biomaterial, 2018–2023, (USD Million)
Table 13 North America Global Orthopedic Implants Market, by Product Type, 2018–2023, (USD Million)
Table 14 North America Global Orthopedic Implants Market, by Application, 2018–2023, (USD Million)
Table 15 North America Global Orthopedic Implants Market, by Device Type, 2018–2023, (USD Million)
Table 16 North America Global Orthopedic Implants Market, by End-User, 2018–2023, (USD Million)
Table 18 US Orthopedic Implants Market, by Product Type, 2018–2023, (USD Million)
Table 19 US Orthopedic Implants Market, by Procedure, 2018–2023, (USD Million)
Table 20 US Orthopedic Implants Market, by Biomaterial, 2018–2023, (USD Million)