

# **Knee Implants Market Size, Share & Trends Analysis Report By Procedure Type (Total Knee Replacement, Revision Knee Replacement), By Component Type (Fixed-Bearing, Mobile-Bearing Implants), By Region, And Segment Forecasts, 2022 - 2030**

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## **Abstracts**

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### **Knee Implants Market Growth & Trends**

The global knee implants market size is anticipated to reach USD 17.4 billion by 2030, according to a new report published by Grand View Research, Inc. It is expected to register a CAGR of 5.7% from 2022 to 2030. This growth is attributed to the growing elderly population and the surging prevalence of chronic rheumatic conditions, such as osteoarthritis, rheumatoid arthritis, and post-traumatic arthritis. Primary factors that lead to the occurrence of arthritis are aging, physical injuries, genetic inheritance factors, abnormal metabolism, infections, and immune system abnormalities.

The introduction of advanced technologies and products is anticipated to keep the industry rivalry and market growth at par over the forecast period. For example, X3 Advanced Bearing Technology and Mako Robotic-Arm Assisted Technology have the capabilities of providing a patient-specific 3D model to plan partial knee replacement surgeries. In addition, in March 2016, Zimmer Biomet launched the Persona Medial Congruent Bearing, which is designed to enable more natural motion of the knee by maximizing joint stability.

Increasing investment in the healthcare sector, the growing geriatric population, and the rising demand for minimally invasive surgeries are the major factors driving the adoption

of joint replacement procedures. Untapped opportunities in developing economies, such as China and India, are further anticipated to impel market growth. To combat COVID-19, the governments took the initiative of allowing only the necessary surgical procedures and the majority of knee arthroplasty surgery did not meet the definition of essential surgery. Such restrictions then hampered the demand for knee implant devices.

For instance, according to a study published by the NCBI, in July 2020, the total daily Medicare revenue from arthroplasty hospitals decreased by 87% and surgeon revenue by 85%. Thus, the initial phase of the COVID-19 outbreak negatively impacted the market. The medical product supply chain also faced difficulty due to the lockdown, as many countries banned the import and export of medical products. New key developments such as partnerships, product approvals, acquisitions, and product launches are expected to positively impact the market in the coming years. For instance, in November 2021, OrthAlign, Inc., a firm based in the U.S., launched Lantern, which is a surgical technology, used to perform total and partial knee replacements.

### Knee Implants Market Report Highlights

Total knee replacement was the largest grossing segment in 2021 with over 77.0% share and is expected to maintain its position during the forecast period

Developed countries, including the U.S. and Germany, are major contributors to this market. Advances in surgical technologies and rising demand in developing economies are expected to be vital factors contributing to the growth

The mobile-bearing implants segment is expected to exhibit the fastest growth during the forecast period. This can be attributed to the associated benefits such as longer performance with less wear and the additional few degrees rotation compared to a fixed-bearing device

North America dominated the global market in 2021 and is expected to maintain its dominance over the forecast period. High procedural cost and reimbursement coverage coupled with the availability of skilled professionals is anticipated to impel the demand for knee implants during the forecast period

Asia Pacific is projected to be the fastest growing region over the projected period. The rapidly booming medical tourism industry in the emerging economies of India and China is primarily driving the demand for knee

replacement products in this region

## Contents

### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Research Methodology
- 1.2. Research Scope & Assumptions
- 1.3. List of Data Sources

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

### **CHAPTER 3. MARKET VARIABLES, TRENDS, & SCOPE**

- 3.1. Market Segmentation & Scope
- 3.2. Knee Implant: Market Dynamics
  - 3.2.1. Market Driver Analysis
  - 3.2.2. Market Restraints Analysis
- 3.3. Penetration & Growth Prospect Mapping
- 3.4. SWOT Analysis, By Factor
  - 3.4.1. Political
  - 3.4.2. Economic
  - 3.4.3. Technological
- 3.5. Industry Analysis - Porter's
- 3.6. Regulatory Framework
- 3.7. Competition Mapping
  - 3.7.1 Market Participant Categorization
  - 3.7.2 Strategy Framework
  - 3.7.3 Knee Implants Market: Estimated Company Market Share Analysis, 2021

### **CHAPTER 4. COVID-19 IMPACT ANALYSIS**

### **CHAPTER 5. MARKET CATEGORIZATION: PROCEDURE TYPE ESTIMATES & TREND ANALYSIS**

- 5.1. Procedure Type Movement Analysis& Market Share, 2017 & 2030
- 5.2. Market Size & Forecasts and Trend Analysis, 2017 to 2030 for the following types:
  - 5.2.1. Total Knee Replacement
  - 5.2.2. Partial Knee Replacement
  - 5.2.3. Revision Knee Replacement

## **CHAPTER 6. MARKET CATEGORIZATION: COMPONENT TYPE ESTIMATES & TREND ANALYSIS**

6.1. Component Type Movement Analysis& Market Share, 2017 & 2030

6.2. Market Size & Forecasts and Trend Analysis, 2017 to 2030 for the Following Products:

6.2.1. Fixed Bearing Prosthesis

6.2.2. Mobile Bearing Prosthesis

## **CHAPTER 7. MARKET CATEGORIZATION: REGIONAL ESTIMATES & TREND ANALYSIS**

7.1. Regional Movement Analysis & Market Share, 2017 & 2030

7.2. Market Size & Forecasts and Trend Analysis, 2017 to 2030 for the Following Region

7.3. North America

7.3.1. U.S.

7.3.2. Canada

7.4. Europe

7.4.1. Germany

7.4.2. U.K.

7.4.3. France

7.4.4. Italy

7.5. Asia Pacific

7.5.1. Japan

7.5.2. China

7.5.3. India

7.6. Latin America

7.6.1. Brazil

7.6.2. Mexico

7.7. MEA

7.7.1 .Saudi Arabia

7.7.2. South Africa

## **CHAPTER 8. COMPANY PROFILES**

8.1. Zimmer Biomet

8.1.1. Company Overview

8.1.2. Financial Performance

- 8.1.3. Product Benchmarking
- 8.1.4. Strategic Initiatives
- 8.2. Stryker
  - 8.2.1. Company Overview
  - 8.2.2. Financial Performance
  - 8.2.3. Product Benchmarking
  - 8.2.4. Strategic Initiatives
- 8.3. DePuy Synthes
  - 8.3.1. Company Overview
  - 8.3.2. Financial Performance
  - 8.3.3. Product Benchmarking
  - 8.3.4. Strategic Initiatives
- 8.4. Smith & Nephew
  - 8.4.1. Company Overview
  - 8.4.2. Financial Performance
  - 8.4.3. Product Benchmarking
  - 8.4.4. Strategic Initiatives
- 8.5. Exactech
  - 8.5.1. Company Overview
  - 8.5.2. Financial Performance
  - 8.5.3. Product Benchmarking
  - 8.5.4. Strategic Initiatives
- 8.6. Medacta
  - 8.6.1. Company Overview
  - 8.6.2. Financial Performance
  - 8.6.3. Product Benchmarking
  - 8.6.4. Strategic Initiatives
- 8.7. MicroPort Scientific
  - 8.7.1. Company Overview
  - 8.7.2. Financial Performance
  - 8.7.3. Product Benchmarking
  - 8.7.4. Strategic Initiatives
- 8.8. Aesculap Implants Systems
  - 8.8.1. Company Overview
  - 8.8.2. Financial Performance
  - 8.8.3. Product Benchmarking
  - 8.8.4. Strategic Initiatives
- 8.9. CONMED
  - 8.9.1. Company Overview

8.9.2. Financial Performance

8.9.3. Product Benchmarking

8.9.4. Strategic Initiatives

8.10. Kinamed

8.10.1. Company Overview

8.10.2. Financial Performance

8.10.3. Product Benchmarking

8.10.4. Strategic Initiatives

8.11. ConforMIS

8.11.1. Company Overview

8.11.2. Financial Performance

8.11.3. Product Benchmarking

8.11.4. Strategic Initiatives

8.12. OMNI Life Sciences

8.12.1. Company Overview

8.12.2. Financial Performance

8.12.3. Product Benchmarking

8.12.4. Strategic Initiatives

## List Of Tables

### LIST OF TABLES

Table 1 Country share estimation

Table 2 North America knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 3 North America knee implants market, by component type, 2017 - 2030 (USD Million)

Table 4 U.S. knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 5 U.S. knee implants market, by component type, 2017 - 2030 (USD Million)

Table 6 Canada knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 7 Canada knee implants market, by component type, 2017 - 2030 (USD Million)

Table 8 Europe knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 9 Europe knee implants market, by component type, 2017 - 2030 (USD Million)

Table 10 U.K. knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 11 U.K. knee implants market, by component type, 2017 - 2030 (USD Million)

Table 12 Germany knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 13 Germany knee implants market, by component type, 2017 - 2030 (USD Million)

Table 14 France knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 15 France knee implants market, by component type, 2017 - 2030 (USD Million)

Table 16 Italy knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 17 Italy knee implants market, by component type, 2017 - 2030 (USD Million)

Table 18 Spain knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 19 Spain knee implants market, by component type, 2017 - 2030 (USD Million)

Table 20 Asia Pacific knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 21 Asia Pacific knee implants market, by component type, 2017 - 2030 (USD Million)

Table 22 Japan knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 23 Japan knee implants market, by component type, 2017 - 2030 (USD Million)

Table 24 China knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 25 China knee implants market, by component type, 2017 - 2030 (USD Million)

Table 26 India knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 27 India knee implants market, by component type, 2017 - 2030 (USD Million)

Table 28 Latin America knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 29 Latin America knee implants market, by component type, 2017 - 2030 (USD Million)



Million)

Table 30 Brazil knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 31 Brazil knee implants market, by component type, 2017 - 2030 (USD Million)

Table 32 Mexico knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 33 Mexico knee implants market, by component type, 2017 - 2030 (USD Million)

Table 34 MEA knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 35 MEA knee implants market, by component type, 2017 - 2030 (USD Million)

Table 36 Saudi Arabia knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 37 Saudi Arabia knee implants market, by component type, 2017 - 2030 (USD Million)

Table 38 South Africa knee implants market, by procedure type, 2017 - 2030 (USD Million)

Table 39 South Africa knee implants market, by component type, 2017 - 2030 (USD Million)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Market summary
- Fig. 2 Market trends & outlook
- Fig. 3 Knee implants: Market segmentation
- Fig. 4 Market driver relevance analysis (Current & future impact)
- Fig. 5 Market restraint analysis (Current & future impact)
- Fig. 6 Penetration & growth prospect mapping
- Fig. 7 SWOT analysis, by factor (political & legal, economic, and technological)
- Fig. 8 Knee implants Porter's analysis
- Fig. 9 Knee implants market procedure type outlook key takeaways
- Fig. 10 Knee implants market: procedure type movement analysis
- Fig. 11 Global total knee implants market, 2017 - 2030 (USD Million)
- Fig. 12 Global partial knee implants market, 2017 - 2030 (USD Million)
- Fig. 13 Global revision knee market, 2013 - 2024 (USD Million)
- Fig. 14 Knee implants market component type outlook key takeaways
- Fig. 15 Knee implants market: component type movement analysis
- Fig. 16 Global fixed-bearing implants market, 2017 - 2030 (USD Million)
- Fig. 17 Global mobile-bearing implants market, 2017 - 2030 (USD Million)
- Fig. 18 Regional marketplace: Key takeaways
- Fig. 19 Regional outlook, 2017 & 2030
- Fig. 20 North America knee implants market, 2017 - 2030 (USD Million)
- Fig. 21 U.S. knee implants market, 2017 - 2030 (USD Million)
- Fig. 22 Canada knee implants market, 2017 - 2030 (USD Million)
- Fig. 23 Europe knee implants market, 2017 - 2030 (USD Million)
- Fig. 24 U.K. knee implants market, 2017 - 2030 (USD Million)
- Fig. 25 Germany knee implants market, 2017 - 2030 (USD Million)
- Fig. 26 France knee implants market, 2017 - 2030 (USD Million)
- Fig. 27 Italy knee implants market, 2017 - 2030 (USD Million)
- Fig. 28 Spain knee implants market, 2017 - 2030 (USD Million)
- Fig. 29 Asia Pacific knee implants market, 2017 - 2030 (USD Million)
- Fig. 30 Japan knee implants market, 2017 - 2030 (USD Million)
- Fig. 31 China knee implants market, 2017 - 2030 (USD Million)
- Fig. 32 India knee implants market, 2017 - 2030 (USD Million)
- Fig. 33 Latin America knee implants market, 2017 - 2030 (USD Million)
- Fig. 34 Brazil knee implants market, 2017 - 2030 (USD Million)
- Fig. 35 Mexico knee implants market, 2017 - 2030 (USD Million)

Fig. 36 MEA knee implants market, 2017 - 2030 (USD Million)

Fig. 37 Saudi Arabia knee implants market, 2017 - 2030 (USD Million)

Fig. 38 South Africa knee implants market, 2017 - 2030 (USD Million)

Fig. 39 Strategy framework

Fig. 40 Participant categorization

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