

## Market analysis of Orthopedics 2020

**Mallinath Gidaganti**

Manipal hospitals, India, E-mail: [mallinathgidaganti@gmail.com](mailto:mallinathgidaganti@gmail.com)

### Importance & Scope:

The goal of [Orthopedics 2020](#) is to bring together leading academic scientists, physicians, orthopedic surgeons, rheumatologists, business participants, talented student groups and research scholars to share their perspectives and research findings on all aspects of Orthopedics, Arthroplasty and rheumatology. It also offers the opportunity for the participants to present and discuss the latest developments, patterns and issues, the practical problems faced and the approaches implemented in the fields of Orthopedics, Arthroplasty and rheumatology. Orthopedics-2020 is a global platform to present and exchange ideas on Orthopedics research and thus contribute to the dissemination of information in the field.

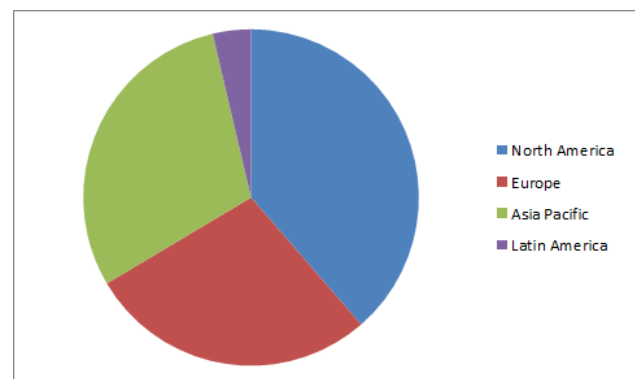
### Market Report of Orthopedics

[Arthroplasty's](#) medical science deals with the musculoskeletal system including the spine, ribs, joints, ligaments, tendons, muscles, and nerves. Orthopedics (doctor / surgeon) specialized in the prevention, diagnosis and treatment of musculoskeletal system, including surgery. Sports: Complementary Approaches is a popular forte in [Orthopedics](#). Despite the fact that wounds are inevitable in the midst of sports, many societies / Association around the world have concentrated on the importance of avoiding sport injuries to prolong athlete's career.

Market research as per 2016-2020: Technavio market research analysts forecast the category of spine orthopedic devices to account for more than 27 percent market share by the end of 2020. Factors such as the rising prevalence of spinal disorders and the growing preference for minimally invasive spinal surgery are the major factors that drive spinal-related system demand during the forecast period.

The current market estimates (2016-2021) estimate that the global market for orthopedic devices will rise to \$55.60 billion by 2021 at a CAGR of about 5.7 percent from 2016 to 2021. For support or repair the broken bone or joint, an orthopedic tool is used. This helps to

restore capacity by repairing or reinforcing the weakened structure. Keeping in mind the ultimate goal of building a biocompatible system, it is necessary to properly understand the different properties of musco-skeletal tissues such as bone, cartilage, ligament and tendon. To avoid rejection, the material used in the tools should be adaptable to the skin. The future orthopedic medical devices to 2021 – it will rise to \$22.5 billion (€ 20.9 billion) by 2021, with annual growth of 9.1 percent. The market for orthopedic medical devices should increase over 2021 as clinically feasible and cost-effective outcomes are developed.



Global Market Orthopedic Devices-2021

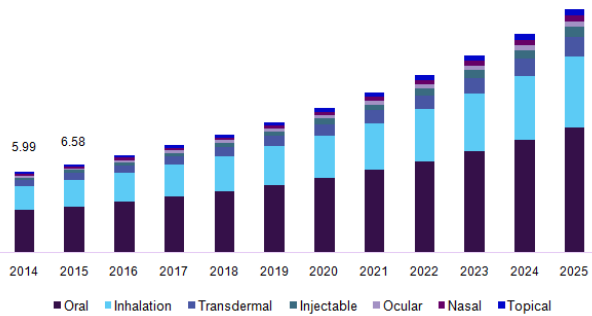
### Europe Orthopedic Devices Market

The size of the Orthopedic Devices Market in 2016 reached USD 39 billion and is expected to be more than 3 percent CAGR from 2017 to 2024.

The rising base of the geriatric population is highly susceptible to bone-related diseases like [osteoporosis](#) and [osteoarthritis](#). According to the WHO, by 2050, the global population is expected to hit 2 billion over 60 years. Increasing elderly population base would generate significant demand for various orthopedic implants and equipment.

Increasing diabetes and obesity prevalence, lack of physical activity, low dietary intake, and increasing smoking and alcohol consumption patterns would fuel

market demand for orthopedic devices over the forecast years. New innovations will accelerate the production of cost-effective tools in the field of osteology. Technological advances in oral, inhalation, and transdermal patches, ocular, nasal, and topical implants will represent driving forces of high impact on global industry revenue.



Europe Orthopedic Devices Market Size, By Product, 2014-2025(USD Million)

**Top Ten Players in the Global Orthopedics Market:**

- 1) Johnson & Johnson
- 2) Stryker
- 3) Zimmer
- 4) Biomet
- 5) Medtronic
- 6) Smith & Nephew
- 7) Arthrex
- 8) NuVasive
- 9) Globus Medical
- 10) Wright Medical Group

**Market segmentation**

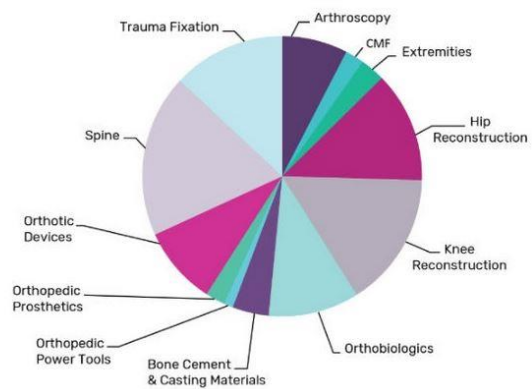
The two major types of orthopedic procedures are joint replacements and spinal implants. Depending on anatomical location, [joint replacement](#) tools can be further grouped into the knee, hip, shoulder, back, legs, and injuries. Knee [orthopedic devices](#) dominate the U.S. market for orthopedic devices led by hip orthopedic

devices due to increased demand for hip replacement [surgery](#), fractures, and aging population.

In 2019, the global market for [orthopedics](#) was estimated at \$61.8 billion, driven primarily by the aging population growth. According to Global Data, a data and analytics company, the market is set to rise to \$71.2 billion in 2023 at a steady compound annual growth rate (CAGR) of 3.8 percent.

There are a variety of product types on the orthopedics market, including bone glue, surgical power tools, [joint replacement](#) replacements, and prosthetic limbs.

However, extreme implants, which is expected to grow at a CAGR of 6.2 percent over the forecast period, are the market segment expected to undergo the fastest growth.



This section covers reconstructive implants for small joints— angle, fingertips, elbow, neck, and wrist— and builds on the success of [hip and knee implants](#) that has been developed. High growth in this field is driven by patient and doctor knowledge, small joint implant options, and technological innovations that lead to more advanced implant designs. The expected demand for extremity implants will be powered by replacement of the shoulder and ankle, which is projected to grow by 6.5% and 6.3% respectively at CAGRs.

Artificial disk replacement is a growing trend worldwide, and the plans by Centinel Spine to expand the number of products accepted on the U.S. market will position the company well for international development, as Global Data anticipates that the global market for artificial disk replacement will rise at a speedy CAGR of 15.1 percent by 2023.

**Major Orthopedic Associations in Europe**



Italian Society of [Orthopaedics and Traumatology](#), Rome, Italy

European Orthopaedic Research Society

European Foot and Ankle Society

European Hip Society

European Rheumatoid and [Arthritis Surgery](#) Society

European Society for Surgery of Shoulder and Elbow

European Trauma Society

European Bone and Joint Infection Society

### **Orthopedic Associated Hospitals in Italy**

Italian Orthopedic Hospital

CTO Hospital

Humanitas Research Hospital

San Raffaele Hospital

Villa Stuart Sport Clinic

Cervesi Hospital

ApoKOS Rehabilitation

### **Why to attend?**

Medical doctors, patients, and healthcare providers consider the prevention of orthopedic diseases as an essential tool to improve the general health status of the population. The proportions of people suffering from the disease are expected to increase in future according to a recent statistical survey. According to recent statistics, [orthopedic diseases](#) worldwide will double between 2012 and 2030. Realizing this imperative, ConferenceSeries Ltd is set to organize 13th International Conference on [Orthopedics](#), [Arthroplaty](#) and [Rheumatology](#) this year with a view to enhance research and promote awareness aiming in developing solutions for the challenges encountered. Arthroplasty-2020 will comprise of many leading keynote speakers and session speakers who will be delivering their speech on the current research topics of orthopedics, complications related to rheumatology

and other risk factors associated with the disease. The young researchers and the student participants will gain the opportunity to grab the Best Poster Award by presenting their work as a poster presentation and Young Researcher Forum.