

Market Analysis of Orthopedics and Surgery

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INTRODUCTION

Orthopedic market outlook-2025

The orthopedic implants market accounting for \$45,901 million in 2017 which is expected to reach \$66,636 million by 2025, registering a CAGR of 4.7% from 2018 to 2025. These implantations are manufactured to replace or support a missing or damaged bone or joint and are intended to treat the deformities, stabilize body posture, and restore the normal skeletal function. It has witnessed a shift from conventional surgical procedures to the use of modern fixation and prosthetic devices. The growing demand for orthopedic implants has increased significantly (Figure 1).

Basing upon the product type, reconstructive joint replacements occupied the largest share in orthopedic implants industry; it is attributed to increase in prevalence of osteoporosis and osteoarthritis, innovations in the joint replacements, and rise in investment of key players in R and D of orthopedic implants. At the same time, the orthobiologics segment is expected to experience rapid growth during the forecast period owing to the rise in demand for advanced therapies, minimally invasive procedures and surge in patient awareness toward use of orthobiologics.

Global orthopedic device market 2018-2022

The global orthopedic device market size will grow by USD 7.84

billion during 2018-2022. This industry research report provides a detailed analysis of the market based on application (spine devices, knee devices, extremities devices, hip devices, and CMF devices), product (orthopedic implants and support devices and orthobiologics), end-users (hospitals, ASCs, and special orthopedic centers), and geography (the Americas, APAC, and EMEA).

Top orthopedic device companies in the world

The global orthopedic device market is highly concentrated to help clients improving their revenue shares in the market, which provides an analysis of the market's competitive landscape and offers information on the products offered by various leading companies (Figure 2).

The top companies include:

- DePuy Synthes
- DJO Global
- Medtronic
- Stryker
- Smith & Nephew
- Zimmer Biome

SESSIONS AND TRACKS

Session: Physiotherapy

Physiotherapy helps restore movement and function when someone

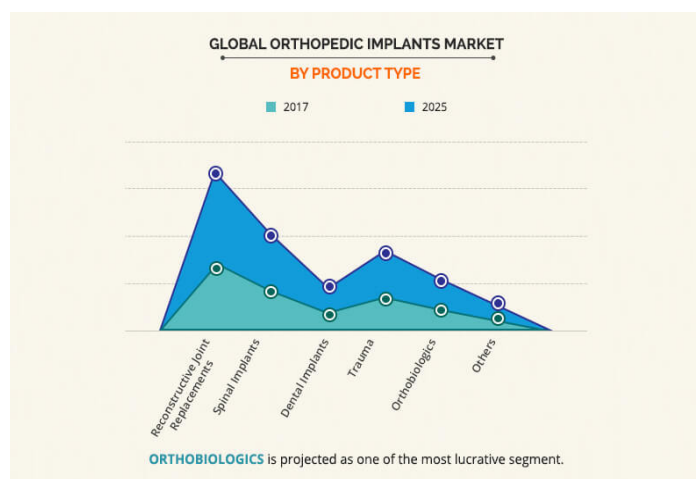


Figure 1: Orthopedic market.

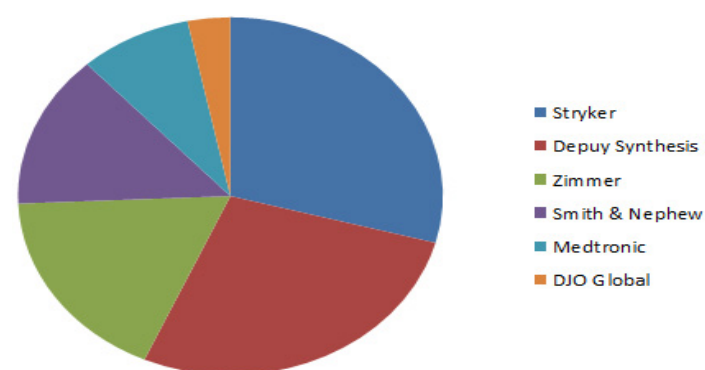


Figure 2: Orthopedic top device companies.

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is affected by injury, illness or disability. Physiotherapists help people affected by injury, illness or disability through movement and exercise, manual therapy, education and advice. They maintain health for people of all ages, helping patients to manage pain and prevent disease. Physiotherapy is a science-based profession and takes a 'whole person' approach to health and wellbeing, which includes the patient's general lifestyle. At the core is the patient's involvement in their own care, through education, awareness, empowerment and participation in their treatment.

Session: Rheumatology emergencies

Rheumatological conditions can sometimes present as emergencies. These can occur due to the disease process or infection; contrary to what many people think, rheumatologic emergencies like a pain, rheumatic crisis, or attack gout do not compromise the patient's life. This article mentioned only true emergencies: Catastrophic Antiphospholipid Syndrome (cAPS), kidney-lung syndrome, Central Nervous System (CNS) vasculitis, anti-Ro syndrome (neonatal lupus), and Macrophage Activation Syndrome (MAS). The management of above emergencies includes critical care, immunosuppression when indicated, and use of a diagnostic flowchart as well as fast laboratory profile for making decisions. Anticoagulants have to be used in the management of antiphospholipid syndrome. A good understanding of these conditions is of paramount importance for proper management.

Rheumatological emergencies are fairly common in clinical practice. Patients are routinely referred to orthopaedic surgeons, while in most instances the physician can easily manage the problem. The present write up is meant to acquaint clinicians with rheumatological emergencies likely to be encountered in day-to-day practice.

Session: Spine disorders

Backbone, or spine, is made up of 26 bone discs called vertebrae. The vertebrae protect spinal cord and allows to stand and bend. A number of problems can change the structure of the spine or damage the vertebrae and surrounding tissue. They include

- Infections
- Injuries
- Tumors
- Conditions, such as ankylosing, spondylitis and scoliosis
- Bone changes that come with age, such as spinal stenosis and herniated disks

Spinal diseases often cause pain when bone changes put pressure on the spinal cord or nerves. They can also limit movement. Treatments differ by disease, but sometimes they include back braces and surgery.

Session: Physical medicine and rehabilitation

Physical medicine and rehabilitation is a medical specialty that helps people regain body functions they lost due to medical conditions or injury. This term is often used to describe the whole medical team, not just the doctors.

Rehabilitation can help many body functions, including bowel and bladder problems, chewing and swallowing, problems thinking or reasoning, movement or mobility, speech, and language.

People can have rehabilitation in many settings. It will often begin while they are still in the hospital, recovering from an illness or injury. Sometimes it begins before someone has planned surgery. Rehabilitation often also takes place in a skilled nursing facility or rehabilitation center outside of a hospital.