

Global Bone Grafts Market: Market Estimation, Dynamics, Regional Share, Trends, Competitor Analysis 2012-2016 and Forecast 2017-2023

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Abstracts

Bone grafting is a surgical procedure used to fix the bones or joints. Bone grafting is replacement or repair of bones which are damaged due to trauma or fractures with the bones from other body tissue. For instance, in lumbar surgery bone from the donor site transplanted to recipient site to facilitate the fusion of vertebrae. The grafting tissue is necessary for osteoinduction, a natural bone healing process. The bone grafts are three types' autologous, allograft, and Synthetic bone. Autologous bone harvested from patients own body, often from the iliac crest. Sallograft is cadaveric bone usually obtained from a bone bank. Synthetic bone made of hydroxyapatite or other naturally occurring, biocompatible substances. Bone grafts have a wide range of applications in sports, trauma plastic, facial, and spinal surgery.

Increase in the incidence of bone & joint disorders, technological advancements in bone grafts, development of biocompatible synthetic bone grafts, and an increase in demand for dental bone grafts are expected to drive the bone grafts market. People with diabetes are liable to suffer from joint disorders and osteoporosis and a person with obesity has 60% more susceptible to arthritis and other joint disorders. However, the high cost of surgeries and ethical issues related to bone grafting procedures expected to hinder the bone grafts market growth over forecast period. For instance, a study conducted by BioMed Central, BMC Medical Ethics found that out of 100 patients, about 20% of the patients not accepting allografts for their grafting surgery. The reasons for rejection was specific religious affiliations and people are not accepting bone from other animals for human benefit.

Bone Grafts market segmented on the basis of material, application, and end-user

Based on material, bone grafts market is segmented into

Natural

Autografts

Allografts

Synthetic

Ceramic

Composite

Polymer

Bone Morphogenetic Proteins

Based on application, bone grafts market is segmented into

Craniomaxillofacial

Dental

Foot and Ankle

Joint Reconstruction

Long Bone Spinal fusion

Based on end-user, bone grafts market is segmented into

Hospitals

Ambulatory Surgical Centers

Dental Clinics

Global bone grafts market is expected to grow at steady state during forecasting period. Companies focusing on product innovations and line extensions to increase their market share. Increasing in geriatric population and growing prevalence of bone and joint disorders are the main factors boosting the worldwide bone grafts market. According to National Osteoporosis Foundation (NOF), it is expected that the number of cases with osteoporosis will exceed 61 Mn by 2020. According to National Spinal Cord Injury Centre in U.S, Researchers have assessed that in 2015, nearly 12,500 new spinal cord injuries have occurred in the year. However, larger players in bone grafts market are funding bone grafts research, collaborating and acquiring smaller players to increase their market share. For instance, In June 2016, AlloSource announced two new innovative demineralized cortical fiber allografts, the allofuse fiber boat and allofuse cortical fibers for use in a variety of spine and orthopaedic procedures. Similarly, In September 2016, RTI Surgical received regulatory clearance from the Australian Therapeutic Goods Administration (TGA) for nanoss bioactive bone void filler in Australia. Furthermore, Venture Capitalists and Government Organisations are actively involved in funding and encouraging the research activities.

Geographically, bone grafts market has been segmented into following regions viz. North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa. North America is leading the market owing to the increased number of geriatric patients, rising awareness about commercially available bone graft products among key stakeholders, high healthcare expenditure, and well-developed healthcare infrastructure in the region. Europe market is mainly driven by increased prevalence of the bone diseases and favourable regulatory environment. Developing economies such as China and India are expected to show robust growth during forecasting period due to factors such as increasing medical tourism and companies' expansion, and growth in healthcare infrastructure in the countries. In the Middle East and Africa region, South Africa is considered one of the largest markets due to the availability of larger patient pool.

Some of the players in bone grafts market include Olympus Corporation (Olympus Biotech Corporation) (Japan), Wright Medical Group N.V. (BioMimetic Therapeutics) (U.K.), Johnson & Johnson Services, Inc. (DePuy Synthes) (U.S.), Stryker Corporation (U.S.), Regeneration Technologies, Inc.(U.S), NuVasive, Inc. (U.S.), NovaBone Products (U.S), Medtronic.(U.S.), Zimmer, Inc. (U.S.), and LifeNet Health, Inc. (U.S.) to name a few.

In February 2016, Dentsply International, Inc. and Sirona Dental Systems, Inc. are

merged to form Dentsply Sirona International.

REPORT OUTLINE:

The report provides granular level information about the market size, regional market share and forecast from 2017-2023

The report covers in-detail insights about the competitor's overview, key findings and their key strategies

The report outlines drivers, restraints, challenges, and trends that are currently faced by the industry

The report tracks recent innovations, key developments and startup's details that are working in the industry

The report provides plethora of information about market entry strategies, regulatory framework and reimbursement scenario

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