

# **Orthobiologics Market by Product (Viscosupplementation, Synthetic Orthobiologics, DBM, BMP, PRP, BMAC, Allograft), Application (Fracture Recovery, Osteoarthritis, Spinal Fusion, Soft Tissue), End User (Hospitals, ASCs, Academia) - Global Forecast to 2022**

<https://marketpublishers.com/r/O4BFB43A5A2EN.html>

Date: September 2017

Pages: 158

Price: US\$ 5,650.00 (Single User License)

ID: O4BFB43A5A2EN

## **Abstracts**

“The orthobiologics market projected to grow at a CAGR of 5.4%.”

The global orthobiologics market is projected to reach USD 6.06 billion by 2022 from USD 4.66 billion in 2017, at a CAGR of 5.4%. Factors such as rising burden of orthopedic injuries; increasing incidence of sports injuries and road accidents; increasing incidence of spinal fusion surgeries; risk factors associated with increasing aging population, obesity rate, & high incidence of musculoskeletal disorders; and growing patient preference for minimally invasive procedures are driving the orthobiologics market. However, high cost pertaining to orthobiologics based treatment is the major factor restraining the market growth to a certain extent.

“The PRP segment is expected to grow at the highest rate during the forecast period.”

The PRP market is expected to grow at the highest CAGR during the forecast period. The advantages of PRP (such as reduced hospital stay) over other products used in bone stimulation are expected to drive the growth of this market. Additionally, the increasing use of PRP in sports injuries and the growing number of clinical trials to expand the application areas of PRP are expected to support the growth of this market during the forecast period.

“The spinal fusion segment is expected to grow at the highest CAGR.”

Based on applications, the orthobiologics market has been categorized into the following segments: fracture recovery, osteoarthritis & degenerative arthritis, spinal fusion, soft-tissue injuries, and maxillofacial & dental applications. Amongst these, the spinal fusion segment is expected to grow at highest CAGR during the forecast period owing to factors such as the rising number of spinal fusion procedures, increasing adoption of allografts & BMAC as part of adjuvant therapy during spinal fusion procedures, & extensive use of stem cells for bone regeneration and bone grafting procedures.

“Hospitals, orthopedic clinics, and ambulatory care centers are expected to be the fastest-growing segment.”

On the basis of end user, the market is segmented into hospitals, orthopedic clinics, and ambulatory care centers; research & academic institutes; and dental clinics and facilities. The hospitals, orthopedic clinics, and ambulatory care centers segment is expected to grow at the highest rate during the forecast period. This can be attributed to the growing geriatric population (coupled with the increasing number of spinal fusion surgeries performed); road accident injuries and bone fractures; growing prevalence of spinal disorders; and growing awareness of products.

“Asia Pacific is expected to register the highest growth rate in the orthobiologics market.”

Geographically, the orthobiologics market is segmented into North America, Europe, Asia Pacific, and RoW. The Asia Pacific market is expected to register the highest growth rate during the forecast period. The presence of a large geriatric and target patient population, high incidence of osteoarthritis and obesity, increasing government spending on healthcare, and improving healthcare infrastructure are some of the major factors driving the growth of the Asia Pacific orthobiologics market.

Breakdown of supply-side primary interviews:

By Company Type - Tier 1 – 25%, Tier 2 – 30% and Tier 3 – 45%

By Designation – C-level – 26%, Director level – 30%, Others – 44%

By Region – North America - 34%, Europe – 26%, APAC – 23%, RoW – 17%

The major players in the market included are DePuy Synthes, Medtronic, Stryker, Zimmer Biomet, Harvest Technologies, and Globus Medical.

### Research Coverage

This report studies the orthobiologics market based on product, application, and end user. The report also studies factors (such as drivers, restraints, opportunities, and challenges) affecting market growth. It analyzes opportunities and challenges in the market and provides details of the competitive landscape for market leaders.

Furthermore, the report analyzes micromarkets with respect to their individual growth trends. The report forecasts the revenue of the market segments with respect to four main regions and respective countries.

### Reasons to Buy the Report:

From an insight perspective, this research report has focused on various levels of analysis—industry trends, market share analysis of top players, and company profiles, which together comprise and discuss basic views on the competitive landscape, emerging segments of the orthobiologics market, and high-growth regions and their drivers, restraints, challenges, and opportunities.

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help firms garner greater market shares. Firms purchasing the report could use any one or a combination of the below-mentioned five strategies for strengthening their market shares.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKETS COVERED
  - 1.3.1 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 RESEARCH LIMITATIONS
- 1.6 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
  - 2.1.2 PRIMARY DATA
- 2.2 MARKET SIZE ESTIMATION METHODOLOGY
  - 2.2.1 BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 GLOBAL ORTHOBIOLOGICS MARKET OVERVIEW
- 4.2 GLOBAL ORTHOBIOLOGICS MARKET: BY PRODUCT (2017 VS. 2022)
- 4.3 ORTHOBIOLOGICS MARKET: REGIONAL ANALYSIS (2017–2022)
- 4.4 ORTHOBIOLOGICS MARKET: BY APPLICATION, 2017
- 4.5 GLOBAL ORTHOBIOLOGICS MARKET SIZE, BY END USER

### 5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS
  - 5.2.1 MARKET DRIVERS
    - 5.2.1.1 Increasing incidence of sports injuries and road accidents

5.2.1.2 Increasing incidence of spinal diseases/disorders

5.2.1.3 Rising geriatric and obese population

5.2.1.4 Growing patient preference for minimally invasive procedures

#### 5.2.2 MARKET RESTRAINT

5.2.2.1 High cost associated with orthobiologics-based treatments

#### 5.2.3 GROWTH OPPORTUNITIES

5.2.3.1 Emerging markets

5.2.3.2 Increasing use of PRP in other applications

#### 5.2.4 MARKET CHALLENGES

5.2.4.1 Lawsuits filed against major market players affecting their brand value

5.2.4.2 Side effects associated with BMP-based treatments

### 5.3 KEY INDUSTRY TREND

## 6 ORTHOBIOLOGICS MARKET, BY PRODUCT

### 6.1 INTRODUCTION

### 6.2 VISCOSUPPLEMENTATION PRODUCTS

### 6.3 DEMINERALIZED BONE MATRICES

### 6.4 SYNTHETIC ORTHOBIOLOGICS

### 6.5 BONE MORPHOGENIC PROTEIN

### 6.6 ALLOGRAFTS

### 6.7 PLASMA-RICH PROTEIN

### 6.8 BONE MARROW ASPIRATE CONCENTRATE

## 7 ORTHOBIOLOGICS MARKET, BY APPLICATION

### 7.1 INTRODUCTION

### 7.2 OSTEOARTHRITIS AND DEGENERATIVE ARTHRITIS

### 7.3 SPINAL FUSION

### 7.4 SOFT-TISSUE INJURIES

### 7.5 FRACTURE RECOVERY

### 7.6 MAXILLOFACIAL AND DENTAL APPLICATIONS

## 8 ORTHOBIOLOGICS MARKET, BY END USER

### 8.1 INTRODUCTION

### 8.2 HOSPITALS, ORTHOPEDIC CLINICS, & AMBULATORY CARE CENTERS

### 8.3 RESEARCH & ACADEMIC INSTITUTES

### 8.4 DENTAL CLINICS AND FACILITIES

## **9 ORTHOBIOLOGICS MARKET, BY REGION**

### 9.1 INTRODUCTION

### 9.2 NORTH AMERICA

#### 9.2.1 US

#### 9.2.2 CANADA

### 9.3 EUROPE

#### 9.3.1 GERMANY

#### 9.3.2 FRANCE

#### 9.3.3 UK

#### 9.3.4 SPAIN

#### 9.3.5 ITALY

#### 9.3.6 REST OF EUROPE

### 9.4 ASIA PACIFIC

#### 9.4.1 JAPAN

#### 9.4.2 CHINA

#### 9.4.3 INDIA

#### 9.4.4 REST OF ASIA PACIFIC

### 9.5 REST OF THE WORLD

## **10 COMPETITIVE LANDSCAPE**

### 10.1 GLOBAL ORTHOBIOLOGICS MARKET RANKING, 2016

## **11 COMPANY PROFILES**

(Overview, Products Offered, Product Offering Scorecard, Business Strategy Scorecard, Recent Developments)\*

### 11.1 DEPUY SYNTHES (A SUBSIDIARY OF JOHNSON & JOHNSON)

### 11.2 MEDTRONIC PLC.

### 11.3 STRYKER CORPORATION

### 11.4 ZIMMER BIOMET HOLDINGS, INC.

### 11.5 HARVEST TECHNOLOGIES CORPORATION (A TERUMO BCT COMPANY)

### 11.6 GLOBUS MEDICAL, INC.

### 11.7 ORTHOFIX INTERNATIONAL N.V.

### 11.8 RTI SURGICAL, INC.

### 11.9 K2M GROUP HOLDINGS, INC.

- 11.10 KUROS BIOSCIENCES LTD.
- 11.11 BIOVENTUS LLC
- 11.12 NUVASIVE, INC.
- 11.13 SEASPINE HOLDINGS CORPORATION
- 11.14 ARTHREX, INC.
- 11.15 XTANT MEDICAL HOLDINGS, INC.

\*Details on MarketsandMarkets view, Overview, Products Offered, Product Offering Scorecard, Business Strategy Scorecard, and Recent Developments might not be captured in case of unlisted companies.

## **12 APPENDIX**

- 12.1 DISCUSSION GUIDE
- 12.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 12.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE
- 12.4 AVAILABLE CUSTOMIZATIONS
- 12.5 RELATED REPORTS
- 12.6 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

Table 1 ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 2 ORTHOBIOLOGICS MARKET FOR VISCO SUPPLEMENTATION PRODUCTS, BY REGION, 2015–2022 (USD MILLION)

Table 3 ORTHOBIOLOGICS MARKET FOR DEMINERALIZED BONE MATRICES, BY REGION, 2015–2022 (USD MILLION)

Table 4 ORTHOBIOLOGICS MARKET FOR SYNTHETIC ORTHOBIOLOGICS, BY REGION, 2015–2022 (USD MILLION)

Table 5 ORTHOBIOLOGICS MARKET FOR BONE MORPHOGENIC PROTEIN, BY REGION, 2015–2022 (USD MILLION)

Table 6 ORTHOBIOLOGICS MARKET FOR ALLOGRAFTS, BY REGION, 2015–2022 (USD MILLION)

Table 7 ORTHOBIOLOGICS MARKET FOR PLASMA-RICH PROTEIN, BY REGION, 2015–2022 (USD MILLION)

Table 8 ORTHOBIOLOGICS MARKET FOR BONE MARROW ASPIRATE CONCENTRATE, BY REGION, 2015–2022 (USD MILLION)

Table 9 ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 10 ORTHOBIOLOGICS MARKET FOR OSTEOARTHRITIS AND DEGENERATIVE ARTHRITIS, BY REGION, 2015–2022 (USD MILLION)

Table 11 ORTHOBIOLOGICS MARKET FOR SPINAL FUSION, BY REGION, 2015–2022 (USD MILLION)

Table 12 ORTHOBIOLOGICS MARKET FOR SOFT-TISSUE INJURIES, BY REGION, 2015–2022 (USD MILLION)

Table 13 ORTHOBIOLOGICS MARKET FOR FRACTURE RECOVERY, BY REGION, 2015–2022 (USD MILLION)

Table 14 ORTHOBIOLOGICS MARKET FOR MAXILLOFACIAL AND DENTAL APPLICATIONS, BY REGION, 2015–2022 (USD MILLION)

Table 15 GLOBAL ORTHOBIOLOGICS MARKET, BY END USER, 2015–2022 (USD MILLION)

Table 16 GLOBAL ORTHOBIOLOGICS MARKET FOR HOSPITALS, ORTHOPEDIC CLINICS, AND AMBULATORY CARE CENTERS, BY REGION, 2015–2022 (USD MILLION)

Table 17 GLOBAL ORTHOBIOLOGICS MARKET FOR RESEARCH & ACADEMIC INSTITUTES, BY REGION, 2015–2022 (USD MILLION)

Table 18 GLOBAL ORTHOBIOLOGICS MARKET FOR DENTAL CLINICS AND FACILITIES, BY REGION, 2015–2022 (USD MILLION)

Table 19 ORTHOBIOLOGICS MARKET, BY REGION, 2015–2022 (USD MILLION)

Table 20 ORTHOBIOLOGICS MARKET, BY COUNTRY, 2015–2022 (USD MILLION)

Table 21 NORTH AMERICA: ORTHOBIOLOGICS MARKET, BY COUNTRY, 2015–2022 (USD MILLION)

Table 22 NORTH AMERICA: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 23 NORTH AMERICA: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 24 NORTH AMERICA: ORTHOBIOLOGICS MARKET, BY END USER, 2015–2022 (USD MILLION)

Table 25 US: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 26 US: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 27 CANADA: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 28 CANADA: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 29 EUROPE: ORTHOBIOLOGICS MARKET, BY COUNTRY, 2015–2022 (USD MILLION)

Table 30 EUROPE: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 31 EUROPE: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 32 EUROPE: ORTHOBIOLOGICS MARKET, BY END USER, 2015–2022 (USD MILLION)

Table 33 GERMANY: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 34 GERMANY: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 35 FRANCE: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 36 FRANCE: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 37 UK: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 38 UK: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 39 SPAIN: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD

MILLION)

Table 40 SPAIN: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 41 ITALY: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 42 ITALY: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 43 ROE: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 44 ROE: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 45 ASIA PACIFIC: ORTHOBIOLOGICS MARKET, BY COUNTRY, 2015–2022 (USD MILLION)

Table 46 ASIA PACIFIC: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 47 ASIA PACIFIC: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 48 ASIA PACIFIC: ORTHOBIOLOGICS MARKET, BY END USER, 2015–2022 (USD MILLION)

Table 49 JAPAN: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 50 JAPAN: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 51 CHINA: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 52 CHINA: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 53 INDIA: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 54 INDIA: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 55 ROAPAC: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 56 ROAPAC: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 57 ROW: ORTHOBIOLOGICS MARKET, BY PRODUCT, 2015–2022 (USD MILLION)

Table 58 ROW: ORTHOBIOLOGICS MARKET, BY APPLICATION, 2015–2022 (USD MILLION)

Table 59 ROW: ORTHOBIOLOGICS MARKET, BY END USER, 2015–2022 (USD MILLION)

Table 60 GLOBAL ORTHOBIOLOGICS MARKET RANKING, BY KEY PLAYERS, 2016

## List Of Figures

### LIST OF FIGURES

Figure 1 RESEARCH DESIGN

Figure 2 KEY DATA FROM SECONDARY SOURCES

Figure 3 KEY DATA FROM PRIMARY SOURCES

Figure 4 BREAKDOWN OF PRIMARIES

Figure 5 BOTTOM-UP APPROACH

Figure 6 TOP-DOWN APPROACH

Figure 7 DATA TRIANGULATION

Figure 8 ASSUMPTIONS OF THE RESEARCH STUDY

Figure 9 ORTHOBIOLOGICS MARKET, BY TYPE, 2017 VS. 2022

Figure 10 ORTHOBIOLOGICS MARKET, BY APPLICATION 2017 VS. 2022

Figure 11 ORTHOBIOLOGICS MARKET, BY END USER, 2017 VS. 2022

Figure 12 GEOGRAPHICAL SNAPSHOT OF THE ORTHOBIOLOGICS MARKET, 2017

Figure 13 RISING INCIDENCE OF MUSCULOSKELETAL DISEASES IS EXPECTED TO DRIVE GROWTH OF THE ORTHOBIOLOGICS MARKET DURING THE FORECAST PERIOD

Figure 14 VISCOSUPPLEMENTATION PRODUCTS SEGMENT IS EXPECTED TO DOMINATE THE ORTHOBIOLOGICS MARKET IN 2022

Figure 15 INDIA AND CHINA ARE EXPECTED TO BE THE MOST LUCRATIVE MARKETS FOR ORTHOBIOLOGICS MANUFACTURERS

Figure 16 OSTEOARTHRITIS AND DEGENERATIVE ARTHRITIS SEGMENT IS EXPECTED TO DOMINATE THE MARKET IN 2017

Figure 17 HOSPITALS, ORTHOPEDIC CLINICS, AND AMBULATORY CARE CENTERS SEGMENT WILL CONTINUE TO DOMINATE THE MARKET DURING THE FORECAST PERIOD

Figure 18 ORTHOBIOLOGICS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

Figure 19 NUMBER OF ROAD ACCIDENTS WORLDWIDE: 2010 VS. 2014

Figure 20 GERIATRIC POPULATION, BY REGION, 2015 VS. 2030 VS. 2050

Figure 21 VISCOSUPPLEMENTATION PRODUCTS TO DOMINATE THE ORTHOBIOLOGICS MARKET DURING THE FORECAST PERIOD

Figure 22 SPINAL FUSIONS FORM THE FASTEST-GROWING APPLICATION SEGMENT IN THE GLOBAL ORTHOBIOLOGICS MARKET

Figure 23 HOSPITALS, ORTHOPEDIC CLINICS, AND AMBULATORY CARE CENTERS TO FORM THE FASTEST-GROWING END-USER SEGMENT IN THE GLOBAL ORTHOBIOLOGICS MARKET

Figure 24 NORTH AMERICA: ORTHOBIOLOGICS MARKET SNAPSHOT

Figure 25 EUROPE: ORTHOBIOLOGICS MARKET SNAPSHOT

Figure 26 ASIA PACIFIC: ORTHOBIOLOGICS MARKET SNAPSHOT

Figure 27 ROW: ORTHOBIOLOGICS MARKET SNAPSHOT

Figure 28 JOHNSON & JOHNSON: COMPANY SNAPSHOT

Figure 29 MEDTRONIC PLC: COMPANY SNAPSHOT

Figure 30 STRYKER CORPORATION: COMPANY SNAPSHOT

Figure 31 ZIMMER BIOMET HOLDINGS, INC.: COMPANY SNAPSHOT

Figure 32 TERUMO CORPORATION: COMPANY SNAPSHOT

Figure 33 GLOBUS MEDICAL, INC.: COMPANY SNAPSHOT

Figure 34 ORTHOFIX INTERNATIONAL N.V.: COMPANY SNAPSHOT

Figure 35 RTI SURGICAL: COMPANY SNAPSHOT

Figure 36 K2M GROUP HOLDINGS, INC.: COMPANY SNAPSHOT

Figure 37 KUROS BIOSCIENCES LTD.: COMPANY SNAPSHOT

## I would like to order

Product name: Orthobiologics Market by Product (Viscosupplementation, Synthetic Orthobiologics, DBM, BMP, PRP, BMAC, Allograft), Application (Fracture Recovery, Osteoarthritis, Spinal Fusion, Soft Tissue), End User (Hospitals, ASCs, Academia) - Global Forecast to 2022

Product link: <https://marketpublishers.com/r/O4BFB43A5A2EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/O4BFB43A5A2EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970