

Bioactive Materials Market Analysis By Type (Powder, Moldable, Granules), By Material (Glass, Glass-Ceramic, Composite), By Application, By Region, And Segment Forecasts, 2014 - 2025

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Abstracts

The global bioactive materials market is expected to reach USD 3.29 billion by 2025, according to a new report by Grand View Research, Inc. The market is expected to witness a CAGR of 10.1% over the forecast period, owing to rising substitution of engineered plastics in implants.

Increasing healthcare expenditure by the consumers is expected to drive the demand for bioactive materials over the forecast period. Rising geriatric population is likely to trigger the demand for such products primarily for use in the production of prosthesis and implants, thereby driving the market over the next eight years.

Growing use of bioactive materials for coating metal implants to promote bone healing & osteogenesis, and mitogenesis of undifferentiated cells is expected to drive the market growth over the forecast period. The demand for such products is likely to rise on account of growing product adoption by consumers including hospitals and private surgeons.

The industry is expected to benefit from the rising technological advancements across the globe. In addition, the products are expected to gain traction over the forecast period driven by the superior performance in bone regeneration surgeries.

Further key findings from the report suggest:

Glass accounted for a market share of 37.7% in 2016, of the material segment,

growing at a CAGR of 12.4% from 2017 to 2025, owing to its successful clinical applications and rising use in tissue engineering

Powder accounted for 23.4% of the overall revenue share in 2016, due to high demand in tooth implants and other dentistry applications driven by superior amalgamation properties

The market for bioactive materials in surgery is expected to grow at CAGR of 11.3% from 2017 to 2025. Recent advancements in the stem cell technology have boosted the demand for bioactive materials in the field of medicine and science and the trend is expected to sustain over the forecast period

North America accounted for the highest global share of 37.0% in 2016 driven by high per capita healthcare spending owing to Affordable Care Act (ACA) introduced by the Obama administration in 2010

Key participants of the industry include Zimmer Holding Inc., Medtronic Inc., Stryker Corporation, and Depuysynthes, with the companies focusing on new technology, excellent performance and customized products to gain market share

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

- 2.1. Market Snapshot

CHAPTER 3. BIOACTIVE MATERIALS MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market segmentation
- 3.2. Market size and growth prospects, 2014 - 2025
- 3.3. Value chain analysis
- 3.4. Technology Overview
 - 3.4.1. Recent Developments
- 3.5. Market dynamics
 - 3.5.1. Market driver analysis
 - 3.5.2. Market restraint analysis
- 3.6. Key opportunities prioritized
- 3.7. Industry analysis - Porter's
- 3.8. PESTEL analysis, 2016

CHAPTER 4. BIOACTIVE MATERIALS MARKET: MATERIAL ESTIMATES & TREND ANALYSIS

- 4.1. Bioactive materials market: Material movement analysis
- 4.2. Bioactive materials market share by material, 2016 & 2025 (USD Million)
- 4.3. Glass
 - 4.3.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 4.4. Glass-Ceramic
 - 4.4.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 4.5. Composite
 - 4.5.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 4.6. Others
 - 4.6.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

CHAPTER 5. BIOACTIVE MATERIALS MARKET: TYPE ESTIMATES & TREND ANALYSIS

- 5.1. Bioactive materials market: Type movement analysis
- 5.2. Bioactive materials market share by type, 2016 & 2025 (USD Million)
- 5.3. Powder
 - 5.3.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 5.4. Moldable
 - 5.4.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 5.5. Granules
 - 5.5.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 5.6. Others
 - 5.6.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

CHAPTER 6. BIOACTIVE MATERIALS MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

- 6.1. Bioactive materials market: Application movement analysis
- 6.2. Bioactive materials market share by application, 2016 & 2025 (USD Million)
- 6.3. Dentistry
 - 6.3.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 6.4. Surgery
 - 6.4.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 6.5. Bioengineering
 - 6.5.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
- 6.6. Others
 - 6.6.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

CHAPTER 7. BIOACTIVE MATERIALS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

- 7.1. Bioactive materials market: Regional movement analysis
- 7.2. Bioactive materials market share by region, 2016 & 2025 (USD Million)
- 7.3. North America
 - 7.3.1. Market estimates and forecasts, 2014 - 2025 (USD Million)
 - 7.3.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)
 - 7.3.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)
 - 7.3.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.3.5. U.S.

7.3.5.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.3.5.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.3.5.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.3.5.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.4. Europe

7.4.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.4.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.4.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.4.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.4.5. Germany

7.4.5.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.4.5.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.4.5.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.4.5.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.4.6. UK

7.4.6.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.4.6.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.4.6.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.4.6.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.5. Asia Pacific

7.5.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.5.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.5.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.5.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.5.5. China

7.5.5.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.5.5.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.5.5.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.5.5.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.5.6. India

7.5.6.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.5.6.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.5.6.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.5.6.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.5.7. Japan

7.5.7.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.5.7.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.5.7.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.5.7.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.6. Central & South America

7.6.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.6.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.6.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.6.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

7.7. Middle East & Africa

7.7.1. Market estimates and forecasts, 2014 - 2025 (USD Million)

7.7.2. Market estimates and forecasts, by material, 2014 - 2025 (USD Million)

7.7.3. Market estimates and forecasts, by type, 2014 - 2025 (USD Million)

7.7.4. Market estimates and forecasts, by application, 2014 - 2025 (USD Million)

CHAPTER 8. COMPETITIVE LANDSCAPE

8.1 Competitive Landscape

8.2 Vendor landscape

8.3 Competitive Environment

8.4 Competitive Market Positioning

8.5 Market participation categorization

CHAPTER 9. COMPANY PROFILES

9.1 Zimmer Holdings Inc.

9.1.1 Company overview

9.1.2 Financial Performance

9.1.3 Product Benchmarking

9.1.4 Key takeaways

9.2 Medtronic Inc.,

9.2.1 Company overview

9.2.2 Financial Performance

9.2.3 Product Benchmarking

9.2.4 Strategic Initiatives

9.2.5 Key Takeaways

9.3 Stryker Corporation

9.3.1 Company Overview

9.3.2 Financial Performance

9.3.3 Product Benchmarking

9.3.4 Strategic Initiatives

9.3.5 Key Takeaways

9.4 DePuy Synthes

- 9.4.1 Company Overview
- 9.4.2 Product Benchmarking
- 9.4.3 Strategic Initiatives
- 9.4.4 Key Takeaways

9.5 C.I. TAKIRON Corporation

- 9.5.1 Company Overview
- 9.5.2 Product Benchmarking
- 9.5.3 Strategic Initiatives
- 9.5.4 Key Takeaways

9.6 Biomatlante

- 9.6.1 Company Overview
- 9.6.2 Product Benchmarking
- 9.6.3 Strategic Initiatives
- 9.6.4 Key Takeaways

9.7 Arthrex Inc.

- 9.7.1 Company Overview
- 9.7.2 Product Benchmarking
- 9.7.3 Strategic Initiatives
- 9.7.4 Key Takeaways

9.8 Pulpdent Corporation

- 9.8.1 Company Overview
- 9.8.2 Product Benchmarking
- 9.8.3 Strategic Initiatives
- 9.8.4 Key Takeaways

9.9 Bioactive Bone Substitutes Oy.

- 9.9.1 Company Overview
- 9.9.2 Product Benchmarking
- 9.9.3 Strategic Initiatives
- 9.9.4 Key Takeaways

9.10 Lasak s.r.o.

- 9.10.1 Company Overview
- 9.10.2 Product Benchmarking
- 9.10.3 Strategic Initiatives
- 9.10.4 Key Takeaways

List Of Tables

LIST OF TABLES

TABLE 1 Glass bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 2 Glass ceramic bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 3 Composite bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 4 Other bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 5 Powder bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 6 Moldable bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 7 Granule bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 8 Other bioactive materials market revenue, 2014 - 2025 (USD Million)

TABLE 9 Bioactive materials market revenue in dentistry, 2014 - 2025 (USD Million)

TABLE 10 Bioactive materials market in surgery, 2014 - 2025 (USD Million)

TABLE 11 Bioactive materials market revenue in bioengineering, 2014 - 2025 (USD Million)

TABLE 12 Bioactive materials market revenue in other applications, 2014 - 2025 (USD Million)

TABLE 13 North America bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 14 North America bioactive materials market revenue, by material, 2014 - 2025 (USD Million)

TABLE 15 North America bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 16 North America bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 17 U.S. bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 18 U.S. bioactive materials market revenue, by material, 2014 - 2025 (USD Million)

TABLE 19 U.S. bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 20 U.S. bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 21 Europe bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 22 Europe bioactive materials market, by material, 2014 - 2025 (USD million)

TABLE 23 Europe bioactive materials market, by type, 2014 - 2025 (USD Million)

TABLE 24 Europe bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 25 Germany bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 26 Germany bioactive materials market revenue, by material (USD million)

TABLE 27 Germany bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 28 Germany bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 29 UK bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 30 UK bioactive materials market revenue, by material, 2014 - 2025 (USD million)

TABLE 31 UK bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 32 UK bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 33 Asia Pacific bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 34 Asia Pacific bioactive materials market, by material, 2014 - 2025 (USD million)

TABLE 35 Asia Pacific bioactive materials market volume, by type, 2014 - 2025 (USD Million)

TABLE 36 Asia Pacific bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 37 China bioactive materials market volume and revenue, 2014 - 2025, (USD Million)

TABLE 38 China bioactive materials market revenue, by material, 2014 - 2025 (USD million)

TABLE 39 China bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 40 China bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 41 India bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 42 India bioactive materials market revenue, by material, 2014 - 2025 (USD million)

TABLE 43 India bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 44 India bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 45 Japan bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 46 Japan bioactive materials market, by material, 2014 - 2025 (USD million)

TABLE 47 Japan bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 48 Japan bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 49 Central & South America bioactive materials market revenue, 2014 - 2025, (USD Million)

TABLE 50 Central & South America bioactive materials market revenue, by material, 2014 -2025 (USD Million)

TABLE 51 Central & South America bioactive materials market revenue, by type, 2014 - 2025 (USD Million)

TABLE 52 Central & South America bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

TABLE 53 Middle East & Africa bioactive materials market volume and revenue, 2014 - 2025, (Kilo Tons) (USD Million)

TABLE 54 Middle East & Africa bioactive materials market revenue, by material, 2014 - 2025 (USD million)

TABLE 55 Middle East & Africa bioactive materials market volume, by type, 2014 - 2025 (USD Million)

TABLE 56 Middle East & Africa bioactive materials market revenue, by application, 2014 - 2025 (USD Million)

List Of Figures

LIST OF FIGURES

- FIG. 1 Market summary
- FIG. 2 Market trends & outlook
- FIG. 3 Bioactive materials - Market segmentation & scope
- FIG. 4 Bioactive materials - Value chain analysis
- FIG. 5 Bioactive materials - Market dynamics
- FIG. 6 Market driver relevance analysis (Current & future impact)
- FIG. 7 Global medical device market share, by region, 2015 (%)
- FIG. 8 Global healthcare expenditure, 2015 (USD billion)
- FIG. 9 Market restraint relevance analysis (Current & future impact)
- FIG. 10 Penetration & growth prospect mapping
- FIG. 11 PESTEL analysis
- FIG. 12 Porter's five forces analysis
- FIG. 13 Bioactive Material market: Material movement analysis, 2016 & 2025
- FIG. 14 Bioactive material market: Type movement analysis, 2015 & 2025
- FIG. 15 Bioactive material market: Application movement analysis, 2015 & 2025
- FIG. 16 Regional market place: Key takeaways
- FIG. 17 Bioactive material: Regional movement analysis, 2016 & 2025
- FIG. 18 Participant categorization

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