

Global Orthopedic Biomaterials Market by Country (United States, Canada, India, China, Japan, United Kingdom), Company Profiles, Share, Trends, Analysis, Opportunities, Segmentation and Forecast 2015 – 2021

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Abstracts

Orthopaedic biomaterials market is expected to grow at a CAGR of 11% for the forecasted period of 2015-2021. Orthopedic materials are defined as materials used for internal fracture fixation; biomaterials are used for manufacturing bone implants. Biomaterials are composed of organic or synthetic materials. Biomaterials help in repairing the structural integrity of the damaged bones and joints. The biomaterials are implanted to perform the role of pre existing damaged tissues such as bones, ligaments and tendons. Some of the key factors that have a major impact on the orthopedic biomaterials market are growing acceptance of biomaterials with more research and development assisting the market growth. Orthopaedic surgeries are on a rise, high healthcare expenditure and disposable income of emerging market are also driving the market. High number of bone and joint related degenerative problems is one of the major drivers. The implants are used in the case of diseases such as osteoporosis, arthritis, tumors, trauma, tissue injuries and other bone related issues.

The market is segmented on the basis of products, application and biomaterials type. The biomaterials type includes metals and non-metals. Metals include stainless steel, titanium and cobalt alloys; non metals include ceramics, polymers and composites. Application of biomaterials includes orthobiologics, joint replacements, viscosupplementation and others. Products include bone allografts, aligned bone matrix, machined bones, bone morphogenetic protein, synthetic bone substitute and others.

The market is driven by high expenditure in the research and development field. New

biomaterials are being developed which are more compatible to human body. One of the major issues faced by manufacturers, physicians and patients alike is the biocompatibility of the products. Manufacturers are working on various new biomaterials and developing tissue reengineering techniques. Polymer based biodegradable biomaterials are being produced at a higher volume such as polyglycolic acid and polylactic acids. These polymers can easily be placed, as the implants are removed the callus strength increases. The hardware removal is not necessary therefore reducing the cost. High prevalence of age related lifestyle diseases and increasing number of elderly population is also driving the market.

North America has the highest market share whereas Asia Pacific is expected to grow in the future. The market is highly competitive and consists of some major player such as Genzyme Corporation, Carpenter Technology Corporation, and Materion Corporation. Ulbrich Stainless Steel & Special Metals, Inc., Heraeus Medical Components, CeramTec (a subsidiary of Rockwood Holdings Inc.), Ceradyne, Inc., Kyocera Corporation, Bayer, Purac Biomaterials and others.

Companies Profiled

1. Genzyme Corporation
2. Carpenter Technology Corporation
3. Materion Corporation
4. Ulbrich Stainless Steel & Special Metals, Inc
5. Heraeus Medical Components
6. CeramTec (a subsidiary of Rockwood Holdings Inc)
7. Ceradyne, Inc
8. Kyocera Corporation
9. Bayer
10. Purac Biomaterials
11. DSM Biomedical Inc
12. Evonik Industries AG
13. Cam Bioceramics BV
14. Ticona GmbH
15. Osteotech, Inc
16. Starch Medical, Inc Landec Corporation
17. Biomet
18. DePuy Synthes
19. Medtronic
20. Stryker

21. Wright Medical Group
22. Zimmer Holdings
23. Etex Corp
24. Invivo PEEK biomaterial solutions
25. Biocoat Incorporated
26. Biocomposites Ltd
27. Collagen Matrix Inc
28. Integra lifesciences Inc
29. NovaBone Products LLC

This Occams Research Report covers

1. Historical data
2. Revenue forecasts, growth rates and CAGR upto 2021
3. Industry Analysis
4. Competitive Analysis
5. Key geographic growth data
6. In-depth profiling of companies

Contents

1. INTRODUCTION

- 1.1. Executive summary
- 1.2. Estimation methodology

2. MARKET OVERVIEW

- 2.1. Market definition and scope
- 2.2. Key findings
- 2.3. Parametric analysis
 - 2.3.1. Global orthopedic implants market
 - 2.3.2. Global orthopedic surgeries
 - 2.3.3. Unit shipments for implants
 - 2.3.4. Healthcare expenditure across geographies
 - 2.3.5. Disposable income of top emerging economies
- 2.4. Key market insights
 - 2.4.1. Top 3 emerging countries
 - 2.4.2. Top 3 revenue generating segments
 - 2.4.3. Top growing markets and emerging trends
 - 2.4.4. R&D scenario in biomaterial market
 - 2.4.5. Pricing analysis
- 2.5. Competitive intelligence
 - 2.5.1. Market share analysis
 - 2.5.2. Top winning strategies
 - 2.5.3. Case studies: Top competitive moves
- 2.6. Value Chain analysis
- 2.7. Key buying criteria
- 2.8. Strategic recommendation
- 2.9. Strategic conclusions

3. MARKET DETERMINANTS

- 3.1. Market drivers
 - 3.1.1. Increased funding by government and private firms in research and development
 - 3.1.2. High production of polymer based biomaterials
 - 3.1.3. High elderly population and prevalence of lifestyle diseases

- 3.1.4. Technology advancements
- 3.2. Market Restraints
 - 3.2.1. Compatibility of biomaterials with recipient
 - 3.2.2. Government policies
 - 3.2.3. Post surgery issues
- 3.3. Market challenges
 - 3.3.1. High price of biomaterials
 - 3.3.2. Weak research and development in emerging markets
- 3.4. Market opportunities
 - 3.4.1. Development of tissue engineering
 - 3.4.2. Markets in emerging geographies

4. SECTOR ANALYSIS

- 4.1. Parent market
- 4.2. Sub-segment market
- 4.3. Alternative market

5. MARKET SEGMENTATION

- 5.1. Global orthopedics biomaterials market, by types, 2014-2021, (\$millions)
 - 5.1.1. Global metallic orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.1.1. Global stainless orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.1.2. Global titanium orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.1.3. Global cobalt alloys orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.2. Global non-metallic orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.2.1. Global polymers orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.2.1.1. Global Ultrahigh molecular weight polyethylene (UHMWPE) market, 2014-2021, (\$millions)
 - 5.1.2.1.2. Global Acrylic bone cements market, 2014-2021, (\$millions)
 - 5.1.2.1.3. Global Thermoplastic polyether ether ketone (PEEK) market, 2014-2021, (\$millions)
 - 5.1.2.1.4. Global Bioabsorbables market, 2014-2021, (\$millions)
 - 5.1.2.2. Global ceramics orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.2.2.1. Global alumina market, 2014-2021, (\$millions)
 - 5.1.2.2.2. Global zirconia market, 2014-2021, (\$millions)
 - 5.1.2.2.3. Global hydroxyapatite market, 2014-2021, (\$millions)
 - 5.1.2.3. Global Composites orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.1.2.3.1. Global Fiber-reinforced polymers market, 2014-2021, (\$millions)

- 5.1.2.3.2. Global Aggregates to polymethyl methacrylate (PMMA) market, 2014-2021, (\$millions)
- 5.2. Global orthopedic biomaterial market, by application, 2014-2021
 - 5.2.1. Global orthobiologics orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.2.2. Global joint replacements orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.2.3. Global viscosupplementation orthopedics biomaterials market, 2014-2021, (\$millions)
 - 5.2.4. Global bioresorbable tissue fixation products market, 2014-2021, (\$millions)
 - 5.2.5. Global non-conventional modular tumor implants market, 2014-2021, (\$millions)
 - 5.2.6. Global spine implants market, 2014-2021, (\$millions)
- 5.3. Global orthopedic materials market, by products, 2014-2021, (\$millions)
 - 5.3.1. Global bone allografts market, 2014-2021, (\$millions)
 - 5.3.2. Global machined bones 2014-2021, (\$millions)
 - 5.3.3. Global dematerialized Bone Matrix (DBM) 2014-2021, (\$millions)
 - 5.3.4. Global bone morphogenetic Protein (BMP) 2014-2021, (\$millions)
 - 5.3.5. Global stem cell therapy 2014-2021, (\$millions)
 - 5.3.6. Global synthetic bone substitute 2014-2021, (\$millions)

6. COMPETITIVE LANDSCAPE

- 6.1. Market share
- 6.2. Strategy – An analysis across tiers

7. GEOGRAPHICAL ANALYSIS

- 7.1. North America orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.2. United States (U.S.) orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.3. Canada orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.4. Europe orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.4.1. United Kingdom (UK) orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.4.2. France orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.4.3. Germany orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.4.4. Spain orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.4.5. Italy orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.4.6. RoE orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.5. Asia Pacific orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.5.1. India orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.5.2. China orthopedic biomaterials market, 2014-2021, (\$millions)

- 7.5.3. Japan orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.5.4. Korea orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.5.5. Australia orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.5.6. RoAPAC orthopedic biomaterials market, 2014-2021, (\$millions)
- 7.6. Rest of the world orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.6.1. Latin America orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.6.2. MENA orthopedic biomaterials market, 2014-2021, (\$millions)
 - 7.6.3. Africa orthopedic biomaterials market, 2014-2021, (\$millions)

8. COMPANY PROFILES:

- 8.1. Genzyme Corporation
- 8.2. Carpenter Technology Corporation
- 8.3. Materion Corporation
- 8.4. Ulbrich Stainless Steel & Special Metals, Inc.
- 8.5. Heraeus Medical Components
- 8.6. CeramTec (a subsidiary of Rockwood Holdings Inc.)
- 8.7. Ceradyne, Inc.
- 8.8. Kyocera Corporation
- 8.9. Bayer
- 8.10. Purac Biomaterials
- 8.11. DSM Biomedical Inc.
- 8.12. Evonik Industries AG
- 8.13. Cam Bioceramics B.V.
- 8.14. Ticona GmbH
- 8.15. Osteotech, Inc.
- 8.16. Starch Medical, Inc.
- 8.17. Landec Corporation.
- 8.18. Biomet
- 8.19. DePuy Synthes
- 8.20. Medtronic
- 8.21. Stryker
- 8.22. Wright Medical Group
- 8.23. Zimmer Holdings
- 8.24. Etex Corp
- 8.25. Invivo PEEK biomaterial solutions
- 8.26. Biocoat Incorporated
- 8.27. Biocomposites Ltd
- 8.28. Collagen Matrix Inc.

8.29. Integra lifesciences Inc.

8.30. NovaBone Products LLC

List Of Tables

LIST OF TABLES

1. Global orthopaedics biomaterials market, by types, 2014-2021, (\$millions)
2. Global metallic orthopaedics biomaterials market, 2014-2021, (\$millions)
3. Global stainless orthopaedics biomaterials market, 2014-2021, (\$millions)
4. Global titanium orthopaedics biomaterials market, 2014-2021, (\$millions)
5. Global cobalt alloys orthopaedics biomaterials market, 2014-2021, (\$millions)
6. Global non-metallic orthopaedics biomaterials market, 2014-2021, (\$millions)
7. Global polymers orthopaedics biomaterials market, 2014-2021, (\$millions)
8. Global Ultrahigh molecular weight polyethylene (UHMWPE) market, 2014-2021, (\$millions)
9. Global Acrylic bone cements market, 2014-2021, (\$millions)
10. Global thermoplastic polyether ether ketone (PEEK) market, 2014-2021, (\$millions)
11. Global Bioabsorbables market, 2014-2021, (\$millions)
12. Global ceramics orthopaedics biomaterials market, 2014-2021, (\$millions)
13. Global alumina market, 2014-2021, (\$millions)
14. Global zirconia market, 2014-2021, (\$millions)
15. Global hydroxyapatite market, 2014-2021, (\$millions)
16. Global Composites orthopedics biomaterials market, 2014-2021, (\$millions)
17. Global Fiber-reinforced polymers market, 2014-2021, (\$millions)
18. Global Aggregates to polymethyl methacrylate (PMMA) market, 2014-2021, (\$millions)
19. Global orthopedic biomaterial market, by application, 2014-2021
20. Global orthobiologics orthopaedics biomaterials market, 2014-2021, (\$millions)
21. Global joint replacements orthopaedics biomaterials market, 2014-2021, (\$millions)
22. Global viscosupplementation orthopaedics biomaterials market, 2014-2021, (\$millions)
23. Global bioresorbable tissue fixation products market, 2014-2021, (\$millions)
24. Global non-conventional modular tumour implants market, 2014-2021, (\$millions)
25. Global spine implants market, 2014-2021, (\$millions)
26. Global orthopedic materials market, by products, 2014-2021, (\$millions)
27. Global bone allografts market, 2014-2021, (\$millions)
28. Global machined bones 2014-2021, (\$millions)
29. Global demineralised Bone Matrix (DBM) 2014-2021, (\$millions)
30. Global bone Morphogenetic Protein (BMP) 2014-2021, (\$millions)
31. Global stem cell therapy 2014-2021, (\$millions)
32. Global Synthetic bone substitute 2014-2021, (\$millions)

33. North America orthopedic biomaterials market, 2014-2021, (\$millions)
34. United States (U.S.) orthopedic biomaterials market, 2014-2021, (\$millions)
35. Canada orthopedic biomaterials market, 2014-2021, (\$millions)
36. Europe orthopedic biomaterials market, 2014-2021, (\$millions)
37. United Kingdom (UK) orthopedic biomaterials market, 2014-2021, (\$millions)
38. France orthopedic biomaterials market, 2014-2021, (\$millions)
39. Germany orthopedic biomaterials market, 2014-2021, (\$millions)
40. Spain orthopedic biomaterials market, 2014-2021, (\$millions)
41. Italy orthopedic biomaterials market, 2014-2021, (\$millions)
42. RoE orthopedic biomaterials market, 2014-2021, (\$millions)
43. Asia Pacific orthopedic biomaterials market, 2014-2021, (\$millions)
44. India orthopedic biomaterials market, 2014-2021, (\$millions)
45. China orthopedic biomaterials market, 2014-2021, (\$millions)
46. Japan orthopedic biomaterials market, 2014-2021, (\$millions)
47. Korea orthopedic biomaterials market, 2014-2021, (\$millions)
48. Australia orthopedic biomaterials market, 2014-2021, (\$millions)
49. RoAPAC orthopedic biomaterials market, 2014-2021, (\$millions)
50. Rest of the world orthopedic biomaterials market, 2014-2021, (\$millions)
51. Latin America orthopedic biomaterials market, 2014-2021, (\$millions)
52. MENA orthopedic biomaterials market, 2014-2021, (\$millions)
53. Africa orthopedic biomaterials market, 2014-2021, (\$millions)

List Of Figures

LIST OF FIGURES

1. United States (U.S.) orthopedic biomaterials market, 2014-2021, (\$millions)
2. Canada orthopedic biomaterials market, 2014-2021, (\$millions)
3. United Kingdom (UK) orthopedic biomaterials market, 2014-2021, (\$millions)
4. France orthopedic biomaterials market, 2014-2021, (\$millions)
5. Germany orthopedic biomaterials market, 2014-2021, (\$millions)
6. Spain orthopedic biomaterials market, 2014-2021, (\$millions)
7. Italy orthopedic biomaterials market, 2014-2021, (\$millions)
8. RoE orthopedic biomaterials market, 2014-2021, (\$millions)
9. India orthopedic biomaterials market, 2014-2021, (\$millions)
10. China orthopedic biomaterials market, 2014-2021, (\$millions)
11. Japan orthopedic biomaterials market, 2014-2021, (\$millions)
12. Korea orthopedic biomaterials market, 2014-2021, (\$millions)
13. Australia orthopedic biomaterials market, 2014-2021, (\$millions)
14. RoAPAC orthopedic biomaterials market, 2014-2021, (\$millions)

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