

# Global Biodegradable Drug Eluting Stents Market: Market Estimation, Dynamics, Regional Share, Trends, Competitor Analysis 2012-2016 and Forecast 2017-2023

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#### **Abstracts**

Drug-eluting stents are peripheral or coronary stents placed into narrowed peripheral or coronary arteries that slowly release the drug to block cell proliferation. Generally, these devices are made up of metal and remain permanently or removed through further surgery. Metal stents present drawbacks such as the predisposition to late stent thrombosis, impairment of imaging with multislice CT, hindrance of surgical revascularization. Biodegradable drug-eluting stents are made up of material that dissolves or absorbed in the body, these are temporary, and no need for further surgery to removal of the stent. These are also called as bioresorbable stents or naturally-dissolving stents.

Biodegradable Drug Eluting Stents Market growth is driven by growing prevalence of coronary artery diseases, increased geriatric population who are more prone to heart diseases. According to World Health Organization (WHO), cardiovascular diseases are a primary cause of deaths globally, an estimated 17.7 Mn people died from cardiovascular diseases in 2015, representing 31% of all global deaths. Of these deaths, an estimated 7.4 Mn were due to coronary heart disease and 6.7 million were due to heart stroke. Furthermore, biodegradable drug-eluting stents have various advantages over the traditional metal stents such as no need of further surgery to remove stent, quick restoration of blood flow and faster healing process which are expected to boost the biodegradable drug eluting stents market. However, a risk of complications in use and lower awareness about biodegradable stents among healthcare professionals in developing and developed regions are expected to hamper the growth of Biodegradable Drug Eluting Stents Market over the forecast period.



Biodegradable Drug Eluting Stents Market has been segmented by application, type of material and end user

Based on type of material, Biodegradable Drug Eluting Stents Market segmented into

Metallic Alloy Stents

Polymeric Stents

Based on application, Biodegradable Drug Eluting Stents Market segmented into

Coronary Artery Disease

Peripheral Artery Disease

Based on end-user, Biodegradable Drug Eluting Stents Market segmented into

Hospitals

**Cardiac Centers** 

Biodegradable Drug Eluting Stents Market is expected to grow at notable CAGR during forecasting period. Market players are focusing on product development with extensive R&D, partnerships, and collaborations. For instance, in March 2014, Terumo Medical Corporation partnered with Arterial Remodeling Technologies to develop bioresorbable stents with the help of Arterial Remodeling Technologies. Larger players, such as Abbott and Biosensors International, are developing innovative biodegradable stents to reduce the complications post-percutaneous coronary intervention procedures. The application segments coronary artery segment expected to account for major market share as eluting stents are considered as ideal for treating coronary artery disease.

Geographically biodegradable drug eluting stents market has been segmented into following regions Viz. North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa. In North America, U.S. represents the largest market owing to the higher prevalence of cardiovascular diseases especially coronary artery diseases. Asia Pacific



region is expected to register significant growth rate due to increasing awareness about biodegradable drug eluting stents in this region. In Asia region, India, China, Japan are expected to grow at significant rate owing to rise in prevalence of chronic diseases, such as diabetes and cardiac diseases which are expected to boost the demand for biodegradable drug eluting stents over the forecast period.

Some of the players in biodegradable drug eluting stents market include Biosensors International Group (Singapore), Abbott Laboratories (U.S), Medtronic (U.S.), B. Braun Holding GmbH & Co. KG (B.Braun Melsungen) (Germany), Boston Scientific Corporation (U.S.), and Terumo Corporation (Japan) to name a few.

In October 2015, Boston Scientific Corporation received U.S. Food and Drug Administration (FDA) approval for the synergy bioabsorbable Polymer Drug-Eluting Stent System (BP-DES) for the treatment of coronary artery disease.

#### **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



#### **Contents**

#### 1. EXECUTIVE SUMMARY

#### 2. GLOBAL BIODEGRADABLE DRUG ELUTING STENTS MARKET INTRODUCTION

- 2.1. Global Biodegradable Drug Eluting Stents Market- Taxonomy
- 2.2. Global Biodegradable Drug Eluting Stents Market-Definitions
  - 2.2.1. Material Type
  - 2.2.2. Application

#### 3. GLOBAL BIODEGRADABLE DRUG ELUTING STENTS MARKET DYNAMICS

- 3.1. Drivers
- 3.2. Restraints
- 3.3. Opportunities/Unmet Needs of the Market
- 3.4. Trends
- 3.5. Global Biodegradable Drug Eluting Stents Market Dynamics Factors Impact Analysis
- 3.6. Global Biodegradable Drug Eluting Stents Market Recent Market Introductions

## 4. GLOBAL BIODEGRADABLE DRUG ELUTING STENTS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 – 2023

- 4.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
- 4.2. Year-over-Year (Y-o-Y) Growth Analysis (%)
- 4.3. Market Oppurtunity Analysis

## 5. GLOBAL BIODEGRADABLE DRUG ELUTING STENTS MARKET FORECAST, BY MATERIAL TYPE, 2012 - 2016 AND FORECAST, 2017 - 2023

- 5.1. Metallic Alloy Stents
  - 5.1.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
  - 5.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
  - 5.1.3. Market Opportunity Analysis
- 5.2. Polymeric Stents
- 5.2.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
- 5.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)



#### 5.2.3. Market Opportunity Analysis

## 6. GLOBAL BIODEGRADABLE DRUG ELUTING STENTS MARKET FORECAST, BY APPLICATION, 2012 - 2016 AND FORECAST, 2017 - 2023

- 6.1. Coronary Artery Disease
- 6.1.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
- 6.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
- 6.1.3. Market Opportunity Analysis
- 6.2. Peripheral Artery Disease
  - 6.2.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
  - 6.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
  - 6.2.3. Market Opportunity Analysis

## 7. GLOBAL BIODEGRADABLE DRUG ELUTING STENTS MARKET FORECAST, BY END USER, 2012 - 2016 AND FORECAST, 2017 - 2023

- 7.1. Hospitals
  - 7.1.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
  - 7.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
  - 7.1.3. Market Opportunity Analysis
- 7.2. Cardiac Centers
- 7.2.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
- 7.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
- 7.2.3. Market Opportunity Analysis

## 8. GLOBAL BIODEGRADABLE DRUG ELUTING STENTS MARKET FORECAST, BY REGION, 2012 - 2016 AND FORECAST, 2017 - 2023

- 8.1. North America
- 8.1.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
- 8.1.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
- 8.1.3. Market Opportunity Analysis
- 8.2. Europe
  - 8.2.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
  - 8.2.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
  - 8.2.3. Market Opportunity Analysis
- 8.3. Asia-Pacific
- 8.3.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)



- 8.3.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
- 8.3.3. Market Opportunity Analysis
- 8.4. Latin America
  - 8.4.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
  - 8.4.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
  - 8.4.3. Market Opportunity Analysis
- 8.5. Middle East and Africa
- 8.5.1. Market Analysis, 2012 2016 and Forecast, 2017 2023 (Revenue, USD Mn)
- 8.5.2. Year-over-Year (Y-o-Y) Growth Analysis (%) and Market Share Analysis (%)
- 8.5.3. Market Opportunity Analysis
- 8.6. Global Biodegradable Drug Eluting Stents Market- Opportunity Analysis Index By Material Type, By Application, By End User, and Region, 2017 2023

## 9. NORTH AMERICA BIODEGRADABLE DRUG ELUTING STENTS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

- 9.1.1. Material Type Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 9.1.1.1. Metallic Alloy Stents
  - 9.1.1.2. Polymeric Stents
- 9.1.2. Application Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 9.1.2.1. Coronary Artery Disease
  - 9.1.2.2. Peripheral Artery Disease
- 9.1.3. End User Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 9.1.3.1. Hospitals
  - 9.1.3.2. Cardiac Centers
- 9.1.4. Country Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn) Y-o-Y Growth (%) and Market Share (%)
  - 9.1.4.1. U.S.
  - 9.1.4.2. Canada
- 9.1.5. North America Biodegradable Drug Eluting Stents Market- Opportunity Analysis
- Index By Material Type, By Application, By End User, and Country, 2017 2023
- 9.1.6. North America Biodegradable Drug Eluting Stents Market Dynamics Trends

## 10. EUROPE BIODEGRADABLE DRUG ELUTING STENTS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023



- 10.1.1. Material Type Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 10.1.1.1. Metallic Alloy Stents
  - 10.1.1.2. Polymeric Stents
- 10.1.2. Application Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 10.1.2.1. Coronary Artery Disease
  - 10.1.2.2. Peripheral Artery Disease
- 10.1.3. End User Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 10.1.3.1. Hospitals
  - 10.1.3.2. Cardiac Centers
- 10.1.4. Country Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 10.1.4.1. Germany
  - 10.1.4.2. UK
  - 10.1.4.3. France
  - 10.1.4.4. Spain
  - 10.1.4.5. Italy
  - 10.1.4.6. Russia
  - 10.1.4.7. Poland
  - 10.1.4.8. Rest of Europe
- 10.1.5. Europe Biodegradable Drug Eluting Stents Market- Opportunity Analysis Index
   By Material Type, By Application, By Harvesting, By End User, and Country, 2017 –
   2023
  - 10.1.6. Europe Biodegradable Drug Eluting Stents Market Dynamics Trends

## 11. ASIA-PACIFIC BIODEGRADABLE DRUG ELUTING STENTS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

- 11.1.1. Material Type Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 11.1.1.1. Metallic Alloy Stents
  - 11.1.1.2. Polymeric Stents
- 11.1.2. Application Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 11.1.2.1. Coronary Artery Disease
  - 11.1.2.2. Peripheral Artery Disease
- 11.1.3. End User Analysis (2012 2016) and Forecast (2017 2023) by Revenue



(USD Mn), Y-o-Y Growth (%) and Market Share (%)

11.1.3.1. Hospitals

11.1.3.2. Cardiac Centers

11.1.4. Country Analysis (2012 – 2016) and Forecast (2017 – 2023) by Revenue (USD Mn),

Y-o-Y Growth (%), and Market Share (%)

11.1.4.1. Japan

11.1.4.2. China

11.1.4.3. India

11.1.4.4. ASEAN

11.1.4.5. Australia & New Zealand

11.1.4.6. Rest of Asia-Pacific

11.1.5. Asia-Pacific Biodegradable Drug Eluting Stents Market- Opportunity Analysis Index - By Material Type, By Application, By Harvesting, By End User, and Country, 2017 – 2023

11.1.6. Asia-Pacific Biodegradable Drug Eluting Stents Market Dynamics – Trends

## 12. LATIN AMERICA BIODEGRADABLE DRUG ELUTING STENTS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

- 12.1.1. Material Type Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 12.1.1.1. Metallic Alloy Stents
  - 12.1.1.2. Polymeric Stents
- 12.1.2. Application Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 12.1.2.1. Coronary Artery Disease
  - 12.1.2.2. Peripheral Artery Disease
- 12.1.3. End User Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 12.1.3.1. Hospitals
  - 12.1.3.2. Cardiac Centers
- 12.1.4. Country Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 12.1.4.1. Brazil
  - 12.1.4.2. Mexico
  - 12.1.4.3. Argentina
  - 12.1.4.4. Venezuela
  - 12.1.4.5. Rest of Latin America



- 12.1.5. Latin America Biodegradable Drug Eluting Stents Market- Opportunity Analysis Index By Material Type, By Application, By Harvesting, End User, and Country, 2017 2023
  - 12.1.6. Latin America Biodegradable Drug Eluting Stents Market Dynamics Trends

## 13. MIDDLE EAST & AFRICA BIODEGRADABLE DRUG ELUTING STENTS MARKET ANALYSIS, 2012 - 2016 AND FORECAST, 2017 - 2023

- 13.1.1. Material Type Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 13.1.1.1. Metallic Alloy Stents
  - 13.1.1.2. Polymeric Stents
- 13.1.2. Application Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 13.1.2.1. Coronary Artery Disease
  - 13.1.2.2. Peripheral Artery Disease
- 13.1.3. End User Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%) and Market Share (%)
  - 13.1.3.1. Hospitals
  - 13.1.3.2. Cardiac Centers
- 13.1.4. Country Analysis (2012 2016) and Forecast (2017 2023) by Revenue (USD Mn), Y-o-Y Growth (%), and Market Share (%)
  - 13.1.4.1. Gulf Cooperation Council (GCC) Countries
  - 13.1.4.2. Israel
  - 13.1.4.3. South Africa
  - 13.1.4.4. Rest of MEA
- 13.1.5. MEA Biodegradable Drug Eluting Stents Market- Opportunity Analysis Index By Material Type, By Application, By Harvesting, By End User, and Country, 2017 2023
  - 13.1.6. MEA Biodegradable Drug Eluting Stents Market Dynamics Trends

#### 14. COMPETITION LANDSCAPE

- 14.1. Strategic Dashboard of Top Market Players
- 14.2. Company Profiles (Introduction, Financial Analysis, Drug & Service Offerings, Key Developments, Strategies, and SWOT Analysis)
  - 14.2.1. Biosensors International Group (Singapore)
  - 14.2.2. Abbott Laboratories (U.S)
  - 14.2.3. Medtronic (U.S.)



- 14.2.4. B. Braun Holding GmbH & Co. KG (B.Braun Melsungen) (Germany)
- 14.2.5. Boston Scientific Corporation (U.S.)
- 14.2.6. Terumo Corporation (Japan)
- 15. RESEARCH METHODOLOGY
- 16. KEY ASSUMPTIONS AND ACRONYMS



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