

# **Bone Cement for Spine Market By Type (Low Viscosity, Medium Viscosity, High Viscosity) , By Application (Vertebroplasty, Kyphoplasty) By End User (Hospitals, Specialty Surgical Centers) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

### **Bone Cement for Spine Market**

The bone cement for spine market was valued at \$101.2 million in 2023 and is projected to reach \$168.6 million by 2033, growing at a CAGR of 5.3% from 2024 to 2033.

The chemical used as a bone cement for spine is polymethyl methacrylate. The cement is specifically used for spinal surgeries such as kyphoplasty and vertebroplasty. This cement is administered to provide support to weakened broken bones, provide them with strength, and aid in relieving pain. A major attribute of the bone cement is its ability to solidify quickly, providing instant structural support and stability to the spine.

Increase in the prevalence of spinal surgeries across the globe is a key driver of the bone cement for spine market. In addition, the exponentially growing elderly population with high bone fragility is boosting the demand for bone cement for spine. In recent times, the trend of using bone cement as a material for the designing of scaffolds and bone implants through additive manufacturing is acquiring noteworthy traction. This enables the creation of tailored spine implants, according to the specific requirement of patients. Furthermore, the use of bone cement as a carrier for localized drug delivery is gaining significant traction in the healthcare industry.

However, bone cement for spine remains highly susceptible to fragmentation & foreign substance reaction inside the body, which leads to threatening conditions such as prosthetic loosening and periprosthetic osteolysis. These reactions hamper the development of the market. On the contrary, a constant surge in the number of spinal surgeries is projected to present lucrative opportunities for the market development. According to the statistics of the World Health Organization, approximately 15.4 million individuals were suffering from spinal cord injuries in 2021 globally owing to several reasons such as road accidents, falls, or violence. Moreover, Statista—a global data and business intelligence platform—states that around 305,000 individuals in the U.S. had a spinal cord injury by the end of 2023. These eminent figures indicate a promising future for the bone cement for spine market.

## Segment Review

The bone cement for spine market is segmented by type, application, end user, and region. On the basis of type, the market is divided into low viscosity, medium viscosity, and high viscosity. As per application, it is bifurcated into vertebroplasty and kyphoplasty. Depending on end user, it is classified into hospitals and specialty surgical centers. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

## Key Findings

On the basis of type, the medium viscosity segment held a high share of the market in 2023.

As per application, the kyphoplasty segment acquired a high stake in the market in 2023.

Depending on end user, the hospitals segment was the highest shareholder of the market in 2023.

Region wise, North America was the highest revenue generator in 2023.

## Competition Analysis

The key players operating in the global bone cement for spine market include Cardinal Health, Meta Biomed Co., Ltd, Heraeus Medical GmbH, Shanghai Rebone, Tecres

S.P.A, OSARTIS GmbH, Stryker Corporation, Johnson & Johnson, Heraeus Medical, Smith & Nephew plc, and Medtronic. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, to strengthen their foothold in the competitive market.

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## Key Market Segments

### By Type

Low Viscosity

Medium Viscosity

High Viscosity

### By Application

Vertebroplasty

Kyphoplasty

### By End User

Hospitals

Specialty Surgical Centers

### By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

Australia

India

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

Cardinal Health

Meta Biomed Co., Ltd

Heraeus Medical GmbH

Shanghai Rebone, Tecres S.P.A

OSARTIS GmbH

Stryker Corporation

Johnson & Johnson

Heraeus Medical

Smith & Nephew plc

Medtronic

## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
  - 1.4.1. Primary Research
  - 1.4.2. Secondary Research
  - 1.4.3. Analyst Tools and Models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

### CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
  - 3.2.1. Top Investment Pockets
  - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
  - 3.3.1. Bargaining Power of Suppliers
  - 3.3.2. Threat of New Entrants
  - 3.3.3. Threat of Substitutes
  - 3.3.4. Competitive Rivalry
  - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
  - 3.4.1. Drivers
  - 3.4.2. Restraints
  - 3.4.3. Opportunities

### CHAPTER 4: CLINICAL DECISION SUPPORT PLATFORM MARKET, BY COMPONENT

- 4.1. Market Overview
  - 4.1.1 Market Size and Forecast, By Component
- 4.2. Software

- 4.2.1. Key Market Trends, Growth Factors and Opportunities
- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Services
  - 4.3.1. Key Market Trends, Growth Factors and Opportunities
  - 4.3.2. Market Size and Forecast, By Region
  - 4.3.3. Market Share Analysis, By Country

## **CHAPTER 5: CLINICAL DECISION SUPPORT PLATFORM MARKET, BY DELIVERY MODE**

- 5.1. Market Overview
  - 5.1.1 Market Size and Forecast, By Delivery Mode
- 5.2. On-Premises
  - 5.2.1. Key Market Trends, Growth Factors and Opportunities
  - 5.2.2. Market Size and Forecast, By Region
  - 5.2.3. Market Share Analysis, By Country
- 5.3. Cloud Based
  - 5.3.1. Key Market Trends, Growth Factors and Opportunities
  - 5.3.2. Market Size and Forecast, By Region
  - 5.3.3. Market Share Analysis, By Country

## **CHAPTER 6: CLINICAL DECISION SUPPORT PLATFORM MARKET, BY APPLICATION**

- 6.1. Market Overview
  - 6.1.1 Market Size and Forecast, By Application
- 6.2. Drug Allergy Alerts
  - 6.2.1. Key Market Trends, Growth Factors and Opportunities
  - 6.2.2. Market Size and Forecast, By Region
  - 6.2.3. Market Share Analysis, By Country
- 6.3. Clinical Guidelines
  - 6.3.1. Key Market Trends, Growth Factors and Opportunities
  - 6.3.2. Market Size and Forecast, By Region
  - 6.3.3. Market Share Analysis, By Country
- 6.4. Drug-Drug Interactions
  - 6.4.1. Key Market Trends, Growth Factors and Opportunities
  - 6.4.2. Market Size and Forecast, By Region
  - 6.4.3. Market Share Analysis, By Country



## 6.5. Clinical Reminders

### 6.5.1. Key Market Trends, Growth Factors and Opportunities

### 6.5.2. Market Size and Forecast, By Region

### 6.5.3. Market Share Analysis, By Country

## 6.6. Others

### 6.6.1. Key Market Trends, Growth Factors and Opportunities

### 6.6.2. Market Size and Forecast, By Region

### 6.6.3. Market Share Analysis, By Country

## **CHAPTER 7: CLINICAL DECISION SUPPORT PLATFORM MARKET, BY END USER**

### 7.1. Market Overview

#### 7.1.1 Market Size and Forecast, By End User

### 7.2. Hospitals

#### 7.2.1. Key Market Trends, Growth Factors and Opportunities

#### 7.2.2. Market Size and Forecast, By Region

#### 7.2.3. Market Share Analysis, By Country

### 7.3. Clinics

#### 7.3.1. Key Market Trends, Growth Factors and Opportunities

#### 7.3.2. Market Size and Forecast, By Region

#### 7.3.3. Market Share Analysis, By Country

### 7.4. Ambulatory Care Centers

#### 7.4.1. Key Market Trends, Growth Factors and Opportunities

#### 7.4.2. Market Size and Forecast, By Region

#### 7.4.3. Market Share Analysis, By Country

### 7.5. Academic And Research Institutes

#### 7.5.1. Key Market Trends, Growth Factors and Opportunities

#### 7.5.2. Market Size and Forecast, By Region

#### 7.5.3. Market Share Analysis, By Country

## **CHAPTER 8: CLINICAL DECISION SUPPORT PLATFORM MARKET, BY REGION**

### 8.1. Market Overview

#### 8.1.1 Market Size and Forecast, By Region

### 8.2. North America

#### 8.2.1. Key Market Trends and Opportunities

#### 8.2.2. Market Size and Forecast, By Component

#### 8.2.3. Market Size and Forecast, By Delivery Mode

#### 8.2.4. Market Size and Forecast, By Application

- 8.2.5. Market Size and Forecast, By End User
- 8.2.6. Market Size and Forecast, By Country
- 8.2.7. U.S. Clinical Decision Support Platform Market
  - 8.2.7.1. Market Size and Forecast, By Component
  - 8.2.7.2. Market Size and Forecast, By Delivery Mode
  - 8.2.7.3. Market Size and Forecast, By Application
  - 8.2.7.4. Market Size and Forecast, By End User
- 8.2.8. Canada Clinical Decision Support Platform Market
  - 8.2.8.1. Market Size and Forecast, By Component
  - 8.2.8.2. Market Size and Forecast, By Delivery Mode
  - 8.2.8.3. Market Size and Forecast, By Application
  - 8.2.8.4. Market Size and Forecast, By End User
- 8.2.9. Mexico Clinical Decision Support Platform Market
  - 8.2.9.1. Market Size and Forecast, By Component
  - 8.2.9.2. Market Size and Forecast, By Delivery Mode
  - 8.2.9.3. Market Size and Forecast, By Application
  - 8.2.9.4. Market Size and Forecast, By End User

### 8.3. Europe

- 8.3.1. Key Market Trends and Opportunities
- 8.3.2. Market Size and Forecast, By Component
- 8.3.3. Market Size and Forecast, By Delivery Mode
- 8.3.4. Market Size and Forecast, By Application
- 8.3.5. Market Size and Forecast, By End User
- 8.3.6. Market Size and Forecast, By Country
- 8.3.7. France Clinical Decision Support Platform Market
  - 8.3.7.1. Market Size and Forecast, By Component
  - 8.3.7.2. Market Size and Forecast, By Delivery Mode
  - 8.3.7.3. Market Size and Forecast, By Application
  - 8.3.7.4. Market Size and Forecast, By End User
- 8.3.8. Germany Clinical Decision Support Platform Market
  - 8.3.8.1. Market Size and Forecast, By Component
  - 8.3.8.2. Market Size and Forecast, By Delivery Mode
  - 8.3.8.3. Market Size and Forecast, By Application
  - 8.3.8.4. Market Size and Forecast, By End User
- 8.3.9. Italy Clinical Decision Support Platform Market
  - 8.3.9.1. Market Size and Forecast, By Component
  - 8.3.9.2. Market Size and Forecast, By Delivery Mode
  - 8.3.9.3. Market Size and Forecast, By Application
  - 8.3.9.4. Market Size and Forecast, By End User

- 8.3.10. Spain Clinical Decision Support Platform Market
  - 8.3.10.1. Market Size and Forecast, By Component
  - 8.3.10.2. Market Size and Forecast, By Delivery Mode
  - 8.3.10.3. Market Size and Forecast, By Application
  - 8.3.10.4. Market Size and Forecast, By End User
- 8.3.11. UK Clinical Decision Support Platform Market
  - 8.3.11.1. Market Size and Forecast, By Component
  - 8.3.11.2. Market Size and Forecast, By Delivery Mode
  - 8.3.11.3. Market Size and Forecast, By Application
  - 8.3.11.4. Market Size and Forecast, By End User
- 8.3.12. Rest of Europe Clinical Decision Support Platform Market
  - 8.3.12.1. Market Size and Forecast, By Component
  - 8.3.12.2. Market Size and Forecast, By Delivery Mode
  - 8.3.12.3. Market Size and Forecast, By Application
  - 8.3.12.4. Market Size and Forecast, By End User
- 8.4. Asia-Pacific
  - 8.4.1. Key Market Trends and Opportunities
  - 8.4.2. Market Size and Forecast, By Component
  - 8.4.3. Market Size and Forecast, By Delivery Mode
  - 8.4.4. Market Size and Forecast, By Application
  - 8.4.5. Market Size and Forecast, By End User
  - 8.4.6. Market Size and Forecast, By Country
  - 8.4.7. China Clinical Decision Support Platform Market
    - 8.4.7.1. Market Size and Forecast, By Component
    - 8.4.7.2. Market Size and Forecast, By Delivery Mode
    - 8.4.7.3. Market Size and Forecast, By Application
    - 8.4.7.4. Market Size and Forecast, By End User
  - 8.4.8. Japan Clinical Decision Support Platform Market
    - 8.4.8.1. Market Size and Forecast, By Component
    - 8.4.8.2. Market Size and Forecast, By Delivery Mode
    - 8.4.8.3. Market Size and Forecast, By Application
    - 8.4.8.4. Market Size and Forecast, By End User
  - 8.4.9. India Clinical Decision Support Platform Market
    - 8.4.9.1. Market Size and Forecast, By Component
    - 8.4.9.2. Market Size and Forecast, By Delivery Mode
    - 8.4.9.3. Market Size and Forecast, By Application
    - 8.4.9.4. Market Size and Forecast, By End User
  - 8.4.10. South Korea Clinical Decision Support Platform Market
    - 8.4.10.1. Market Size and Forecast, By Component

- 8.4.10.2. Market Size and Forecast, By Delivery Mode
- 8.4.10.3. Market Size and Forecast, By Application
- 8.4.10.4. Market Size and Forecast, By End User
- 8.4.11. Australia Clinical Decision Support Platform Market
  - 8.4.11.1. Market Size and Forecast, By Component
  - 8.4.11.2. Market Size and Forecast, By Delivery Mode
  - 8.4.11.3. Market Size and Forecast, By Application
  - 8.4.11.4. Market Size and Forecast, By End User
- 8.4.12. Rest of Asia-Pacific Clinical Decision Support Platform Market
  - 8.4.12.1. Market Size and Forecast, By Component
  - 8.4.12.2. Market Size and Forecast, By Delivery Mode
  - 8.4.12.3. Market Size and Forecast, By Application
  - 8.4.12.4. Market Size and Forecast, By End User
- 8.5. LAMEA
  - 8.5.1. Key Market Trends and Opportunities
  - 8.5.2. Market Size and Forecast, By Component
  - 8.5.3. Market Size and Forecast, By Delivery Mode
  - 8.5.4. Market Size and Forecast, By Application
  - 8.5.5. Market Size and Forecast, By End User
  - 8.5.6. Market Size and Forecast, By Country
  - 8.5.7. Brazil Clinical Decision Support Platform Market
    - 8.5.7.1. Market Size and Forecast, By Component
    - 8.5.7.2. Market Size and Forecast, By Delivery Mode
    - 8.5.7.3. Market Size and Forecast, By Application
    - 8.5.7.4. Market Size and Forecast, By End User
  - 8.5.8. South Africa Clinical Decision Support Platform Market
    - 8.5.8.1. Market Size and Forecast, By Component
    - 8.5.8.2. Market Size and Forecast, By Delivery Mode
    - 8.5.8.3. Market Size and Forecast, By Application
    - 8.5.8.4. Market Size and Forecast, By End User
  - 8.5.9. Saudi Arabia Clinical Decision Support Platform Market
    - 8.5.9.1. Market Size and Forecast, By Component
    - 8.5.9.2. Market Size and Forecast, By Delivery Mode
    - 8.5.9.3. Market Size and Forecast, By Application
    - 8.5.9.4. Market Size and Forecast, By End User
  - 8.5.10. Rest of LAMEA Clinical Decision Support Platform Market
    - 8.5.10.1. Market Size and Forecast, By Component
    - 8.5.10.2. Market Size and Forecast, By Delivery Mode
    - 8.5.10.3. Market Size and Forecast, By Application

#### 8.5.10.4. Market Size and Forecast, By End User

## **CHAPTER 9: COMPETITIVE LANDSCAPE**

- 9.1. Introduction
- 9.2. Top Winning Strategies
- 9.3. Product Mapping of Top 10 Player
- 9.4. Competitive Dashboard
- 9.5. Competitive Heatmap
- 9.6. Top Player Positioning, 2023

## **CHAPTER 10: COMPANY PROFILES**

- 10.1. Cerner Corporation
  - 10.1.1. Company Overview
  - 10.1.2. Key Executives
  - 10.1.3. Company Snapshot
  - 10.1.4. Operating Business Segments
  - 10.1.5. Product Portfolio
  - 10.1.6. Business Performance
  - 10.1.7. Key Strategic Moves and Developments
- 10.2. EPIC Systems Corporation
  - 10.2.1. Company Overview
  - 10.2.2. Key Executives
  - 10.2.3. Company Snapshot
  - 10.2.4. Operating Business Segments
  - 10.2.5. Product Portfolio
  - 10.2.6. Business Performance
  - 10.2.7. Key Strategic Moves and Developments
- 10.3. IBM
  - 10.3.1. Company Overview
  - 10.3.2. Key Executives
  - 10.3.3. Company Snapshot
  - 10.3.4. Operating Business Segments
  - 10.3.5. Product Portfolio
  - 10.3.6. Business Performance
  - 10.3.7. Key Strategic Moves and Developments
- 10.4. Change Healthcare Corporation
  - 10.4.1. Company Overview

- 10.4.2. Key Executives
- 10.4.3. Company Snapshot
- 10.4.4. Operating Business Segments
- 10.4.5. Product Portfolio
- 10.4.6. Business Performance
- 10.4.7. Key Strategic Moves and Developments
- 10.5. Medical Information Technology Inc
  - 10.5.1. Company Overview
  - 10.5.2. Key Executives
  - 10.5.3. Company Snapshot
  - 10.5.4. Operating Business Segments
  - 10.5.5. Product Portfolio
  - 10.5.6. Business Performance
  - 10.5.7. Key Strategic Moves and Developments
- 10.6. Koninklijke Philips NV
  - 10.6.1. Company Overview
  - 10.6.2. Key Executives
  - 10.6.3. Company Snapshot
  - 10.6.4. Operating Business Segments
  - 10.6.5. Product Portfolio
  - 10.6.6. Business Performance
  - 10.6.7. Key Strategic Moves and Developments
- 10.7. Siemens Healthcare
  - 10.7.1. Company Overview
  - 10.7.2. Key Executives
  - 10.7.3. Company Snapshot
  - 10.7.4. Operating Business Segments
  - 10.7.5. Product Portfolio
  - 10.7.6. Business Performance
  - 10.7.7. Key Strategic Moves and Developments
- 10.8. Allscripts Healthcare Solutions Inc.
  - 10.8.1. Company Overview
  - 10.8.2. Key Executives
  - 10.8.3. Company Snapshot
  - 10.8.4. Operating Business Segments
  - 10.8.5. Product Portfolio
  - 10.8.6. Business Performance
  - 10.8.7. Key Strategic Moves and Developments
- 10.9. Wolters Kluwer NV

- 10.9.1. Company Overview
- 10.9.2. Key Executives
- 10.9.3. Company Snapshot
- 10.9.4. Operating Business Segments
- 10.9.5. Product Portfolio
- 10.9.6. Business Performance
- 10.9.7. Key Strategic Moves and Developments
- 10.10. McKesson Corporation.
  - 10.10.1. Company Overview
  - 10.10.2. Key Executives
  - 10.10.3. Company Snapshot
  - 10.10.4. Operating Business Segments
  - 10.10.5. Product Portfolio
  - 10.10.6. Business Performance
  - 10.10.7. Key Strategic Moves and Developments



## I would like to order

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