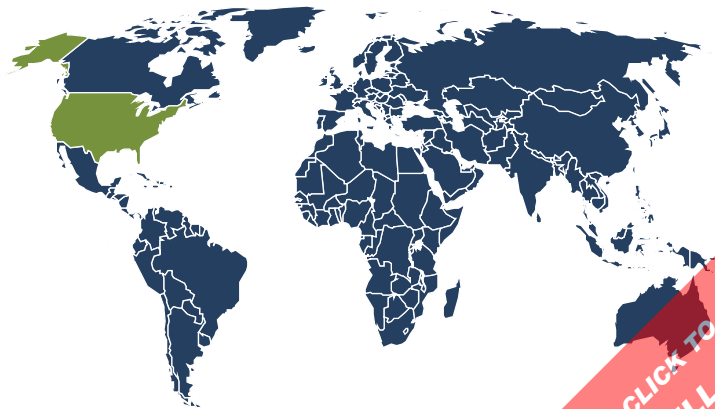




Freedonia Focus Reports
US Collection

Cardiac Implants: United States

November 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Regulation
Cardiovascular Implant Procedures

Segmentation and Forecasts Products

Industry Structure

Industry Characteristics | Market Leaders

Resources

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About This Report

Scope & Method

This report forecasts US cardiac implant demand in US dollars at the manufacturers' level to 2020. Total demand is segmented by product in terms of:

- implantable cardioverter defibrillators
- implantable cardiac pacemakers
- cardiac resynchronization therapy
- pacing leads and accessories
- coronary stents
- peripheral stents
- stent-related implants
- heart valves and accessories
- ventricular-assist devices
- implantable heart monitors.

To illustrate historical trends, total demand and the various segments are reported at five-year intervals for 2005, 2010, and 2015. Total medical implant demand is provided in an annual series from 2005 to 2015.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Cardiac Implants: United States (FF40044) is based on [Medical Implants in the US](#), a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group.

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 4 | Industry Codes Related to Cardiac Implants

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
339113	Surgical Appliance & Supplies Mfg	3842	Orthopedic, Prosthetic & Surgical Appliances & Supplies

Source: US Census Bureau

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Resources

The Freedonia Group

Medical Implants in the US, November 2016

Freedonia Industry Studies

World Medical Disposables, August 2016

In Vitro Diagnostic (IVD) Packaging, June 2016

Infection Prevention Products & Services, April 2016

Disposable Medical Supplies, February 2016

Dental Products & Materials, January 2016

Drug Delivery Products, December 2015

Medical Imaging Products, September 2015

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Medical Equipment & Supplies: United States

Medical Imaging Products: United States

Pharmaceuticals: United States

World Electronic Medical Records

World Medical Devices

World Medical Disposables

World Needle-Free Drug Delivery Systems

World Vaccines

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Drug Topics

FierceBiotech

Infection Control Today

Medical Design Technology

Medical Device & Diagnostic Industry

Medical Product Manufacturing News

Qmed Daily

Surgical Products

Agencies & Associations

Advanced Medical Technology Association

About This Report

Association for the Advancement of Medical Instrumentation
Medical Device Manufacturers Association
Society for Biomaterials
United States Census Bureau
United States Department of Health & Human Services
United States Food and Drug Administration
United States International Trade Commission