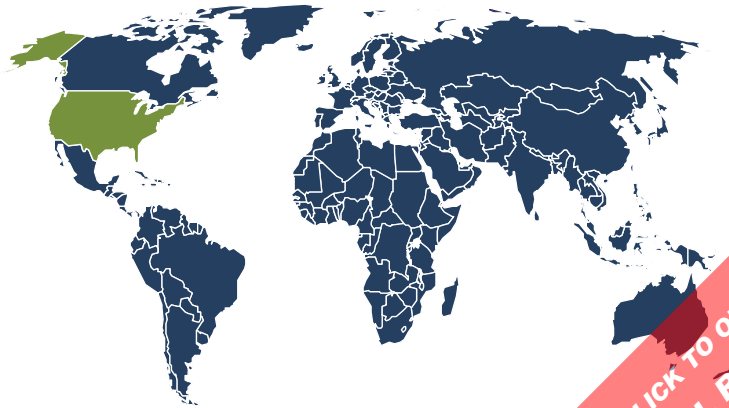




Freedonia Focus Reports  
US Collection

# Medical Device Packaging: United States

December 2015



## Highlights

### Market Environment

Historical Trends | Key Economic Indicators | Regulatory Factors | Healthcare Trends  
Medical Device Industry Overview

### Segmentation and Forecasts

Products

### Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

### Resources

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## ABOUT THIS REPORT

### Scope & Method

This report forecasts US medical device packaging demand in US dollars at the manufacturers' level to 2019. National health expenditures and medical device shipments are also forecast to 2019. Total demand is segmented by product in terms of:

- pouches
- trays
- clamshell packs
- bags
- boxes
- other containers such as blister packs and vials
- labels
- lidding
- other accessories such as package inserts, shrink materials, and desiccants.

For purposes of this report, medical device packaging demand is defined as the value of finished containers and related accessories sold by merchant companies on the open market and also includes the value of packaging products produced or assembled internally by end-use product manufacturers and contract packaging firms.

Medical device shipments are segmented by product in terms of:

- surgical appliances and supplies
- surgical and medical instruments
- diagnostic products
- electromedical equipment
- ophthalmic goods
- dental equipment and supplies.

To illustrate historical trends, total demand and the various segments are provided in annual series from 2004 to 2014.

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

*Medical Device Packaging: United States* (FF30046) is based on [World Medical Device Packaging](#), a comprehensive industry study published by The Freedonia Group in August 2013 as well as on additional research undertaken in November 2015. 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

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
322211	Corrugated and Solid Fiber Box Mfg	2653	Corrugated and Solid Fiber Boxes
322212	Folding Paperboard Box Mfg	2657	Folding Paperboard Boxes, Including Sanitary
326111	Plastics Bag and Pouch Mfg	2671	Packaging Paper and Plastics Film, Coated and Laminated
326112	Plastics Packaging Film and Sheet (including Laminated) Mfg	2673	Plastics, Foil, and Coated Paper Bags
326199	All Other Plastics Product Mfg	3089	Plastics Products, NEC
327213	Glass Container Mfg	3221	Glass Containers

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## RESOURCES

### The Freedonia Group, Inc

[www.freedoniagroup.com](http://www.freedoniagroup.com)

#### Related Industry Studies

*3269 World Pharmaceutical Packaging*, July 2015

[see study contents](#)

*3205 World Medical Disposables*, September 2014

[see study contents](#)

*3162 Infection Prevention Products & Services*, May 2014

[see study contents](#)

*3141 Home Medical Equipment*, March 2014

[see study contents](#)

#### Related Focus Reports

*Disposable Medical Supplies: United States*

[see report contents](#)

*Healthcare Insurance: United States*

[see report contents](#)

*Home Medical Equipment: United States*

[see report contents](#)

*Infection Prevention Products & Services: United States*

[see report contents](#)

*Medical Equipment & Supplies: United States*

[see report contents](#)

*Medical Services: United States*

[see report contents](#)

#### Freedonia Custom Research, Inc

[see capabilities](#)

### Trade Publications

*Healthcare Packaging*

[www.healthcarepackaging.com](http://www.healthcarepackaging.com)

*Infection Control Today*

[www.infectioncontrolday.com](http://www.infectioncontrolday.com)

*Medical Design Technology*

[www.mdtmag.com](http://www.mdtmag.com)

*Medical Device and Diagnostic Industry*

[www.mddionline.com](http://www.mddionline.com)

*Medical Plastics News*

[www.medicalplasticsnews.com](http://www.medicalplasticsnews.com)

*Medical Product Manufacturing News*

[www.qmed.com/mpmn](http://www.qmed.com/mpmn)

*Surgical Products*

[www.surgicalproductsmag.com](http://www.surgicalproductsmag.com)

### Agencies & Associations

Flexible Packaging Association

[www.flexpack.org](http://www.flexpack.org)

Institute of Packaging Professionals

[www.iopp.org](http://www.iopp.org)

International Organization for Standardization

[www.iso.org](http://www.iso.org)

SPI: The Plastics Industry Trade Association

[www.plasticsindustry.org](http://www.plasticsindustry.org)

Sterilization Packaging Manufacturers Council

[www.sterilizationpackaging.org](http://www.sterilizationpackaging.org)

United States Census Bureau

[www.census.gov](http://www.census.gov)

United States Food and Drug Administration

[www.fda.gov](http://www.fda.gov)

United States International Trade Commission

[www.usitc.gov](http://www.usitc.gov)

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