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# Pharmaceutical Packaging: United States

June 2017



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# About This Report

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## Scope & Method

This report forecasts US pharmaceutical packaging demand in US dollars at the manufacturers' level to 2021. Total demand is segmented by product in terms of:

- plastic and glass bottles
- blister packaging
- parenteral containers
- other primary containers such as prefillable inhalers, pouches, and tubes
- closures
- secondary containers
- other secondary packaging such as labels and packaging accessories.

Total demand is also segmented by market as follows:

- pharmaceutical manufacturing
- contract packaging
- other markets such as retail pharmacy, institutional pharmacy, and drug repackaging firms.

To illustrate historical trends, total demand and the various segments are reported at five-year intervals for 2006, 2011, and 2016.

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

*Pharmaceutical Packaging: United States* (FF30018) is based on *Pharmaceutical Packaging Market 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 5 | Industry Codes Related to Pharmaceutical Packaging

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
323110	Commercial Lithographic Printing	2671	Packaging Paper and Plastics Film, Coated and Laminated
325412	Pharmaceutical Preparation Mfg	2674	Uncoated Paper and Multiwall Bags
326111	Plastics Bag and Pouch Mfg	2752	Commercial Printing, Lithographic
326112	Plastics Packaging Film and Sheet (including Laminated) Mfg	2834	Pharmaceutical Preparations
326160	Plastics Bottle Mfg	3069	Fabricated Rubber Products, NEC
326199	All Other Plastics Product Mfg	3085	Plastics Bottles
326299	All Other Rubber Product Mfg	3089	Plastics Products, NEC
327213	Glass Container Mfg	3221	Glass Containers
332115	Crown and Closure Mfg	3466	Crowns and Closures

Source: US Census Bureau

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## Resources

### The Freedonia Group

*Pharmaceutical Packaging Market in the US*, June 2017

### Freedonia Industry Studies

*Converted Flexible Packaging Market in the US*, May 2017

*Barrier Films Market in the US*, April 2017

*In Vitro Diagnostic (IVD) Packaging*, June 2016

*Disposable Medical Supplies*, February 2016

*Pouches*, February 2016

*Specialty Films*, August 2015

*World Pharmaceutical Packaging*, July 2015

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*Medical Implants: United States*

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*Flexible Packaging*

*Medical Device & Diagnostic Industry*

*Packaging Digest*

*Packaging Strategies*

*Packaging World*

*Pharmaceutical & Medical Packaging News*

*Pharmaceutical Manufacturing and Packing Sourcer*

*Plastics News*

## About This Report

*Plastics Technology*

*Plastics Today*

*QMed*

### **Agencies & Associations**

Aluminum Association

American Chemistry Council's Plastics division

Biotech Industries Association

Consumer Healthcare Products Association

Flexible Packaging Association

Generic Pharmaceutical Association

Pharmaceutical Research and Manufacturers of America

United States Census Bureau

United States Centers for Medicare and Medicaid Services

United States Food and Drug Administration

United States International Trade Commission