

Drug Delivery Technologies Market (Metered Dose Inhalers, Needle-Free Injectors, Auto-Injectors, Nasal Sprays, Transdermal Patches, Nebulizers, Infusion Pumps, Drug Eluting Stents, Sustained Release, Ocular Implants) - Global Forecasts To 2017

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Abstracts

The drug delivery technology market is segmented on the basis of route of administration into nine categories - oral, pulmonary, transdermal, injectable, ocular, nasal, topical, implantable, and transmucosal drug delivery; the market is forecast till 2017. Over the years, drug delivery technologies have grown phenomenally from plain drug reformulation and release technologies to innovative platforms that hold a huge potential for the effective delivery of biologicals and novel drugs.

The global drug delivery market was worth \$142.5 billion in the year 2012. Patent expiries of certain blockbuster drugs, growing demand for self administration and home healthcare devices, rising incidence of chronic diseases such as cardiovascular diseases, diabetes and cancer, growing focus on pediatric and geriatric patients, and advancing technology are accelerating the growth of this market. However, drug failures and recalls, and technical barriers will hamper the growth of this market, to a certain extent.

Strategic collaborations, self administration and home care drug delivery devices, and expanding applications of drug delivery into niche therapeutic areas represent vast opportunities for key players in this market. The growing number of elderly persons is a large consumer of home care drug delivery devices. The global ageing population (above 60 years) is set to increase from 784 million in 2011 to 2 billion by 2050 and 2.8 billion by 2100. (Source: UN Population Division). An increase in the number of geriatric patients and rise in demand for convenient drug delivery options pose major

opportunities for the development of innovative and easy-to-use drug delivery systems.

Striking right partnership deal and enhancing the bioavailability of drugs are some of the burning issues in this market. In spite of a large number of strategic collaborations taking place every year, pharmaceutical and biotechnology companies are facing problems in finding a right drug delivery partner. Considering this need, a number of national and international conferences are organized by various associations and organizations to facilitate drug delivery partnerships.

The geographies covered in this study are North America, Europe, Asia and Rest of the world (RoW). North America is the largest market for drug delivery, followed by Europe and Asia. North America and Europe are expected to grow at a slower pace, primarily due to a certain amount of saturation in the market. The Asian market is poised to register maximum growth over the next five years, owing to the expansion of Asian economy, increase in disposable income, development of healthcare infrastructure, increasing penetration of health insurance, and rising prevalence of chronic diseases.

Scope of the Report

This research report categorizes the global drug delivery market into oral, pulmonary, transdermal, injectable, ocular, nasal, topical, implantable, and transmucosal drug delivery. These markets are broken down into segments and sub-segments, providing exhaustive value analysis for 2010, 2011 and 2012, as well as forecast up to 2017. Each of the drug delivery market is comprehensively analyzed at a granular level by geography (North America, Europe, Asia, and Rest of the World) to provide in-depth information on the global scenario.

Global drug delivery market, by route of administration

Oral

Controlled Release

Orodispersible Tablets (ODT) and Taste Masking

Others

Pulmonary

Dry Powder Inhalers

Metered Dose Inhalers

Nebulizers

Transdermal

Passive

Reservoir System

Matrix System

Active

Iontophoresis

Microporation

Others

Injectable

Conventional Injection Devices

Fillable Syringes

Prefilled Syringes

Self-injection Devices

Needle-free Injectors

Auto-injectors or Safety Syringe Devices

Pen Injectors

Others

Ocular

Eye Drops

Ointment and Gel

Others

Nasal

Nasal Drops

Nasal Sprays

Nasal Inhalers

Others

Topical

Liquid Formulations

Semi-solid Formulations

Solid Formulations

Implantable

Drug Eluting Stents

Implantable Infusion Pumps

Intravitreal Implants

Brachytherapy Seeds

Contraceptive Implants

Transmucosal

Oral (Buccal and Sublingual)

Others (Rectal and Vaginal)

Geographic analysis

North America

Europe

Asia

Rest of the World (RoW)

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FIGURE 29 YPSOMED: TOTAL REVENUE AND R&D EXPENSES, 2009 – 2011 (\$MILLION)

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