

Artificial Pancreas Device Systems (APDS) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/A5F1F7611D86EN.html>

Date: June 2023

Pages: 141

Price: US\$ 2,499.00 (Single User License)

ID: A5F1F7611D86EN

Abstracts

The global artificial pancreas device systems (APDS) market size reached US\$ 2,208.2 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4,500.6 Million by 2028, exhibiting a growth rate (CAGR) of 11.8% during 2023-2028.

APDS refers to a closed-loop or automated insulin delivery system that manages blood glucose levels by regulating the production of insulin. It consists of a continuous glucose monitor (CGM), a subcutaneous insulin infusion pump and a controller that links the monitor with the pump. It runs a complex algorithm that determines the adequate levels of insulin and time of delivery based on the evaluation of real-time glucose readings. It is primarily used to minimize the risks of extreme fluctuations of glucose levels in the body.

The increasing prevalence of pancreatic cancer, pancreatitis and other chronic ailments is one of the key factors driving the growth of the market. Furthermore, the growing occurrence of diabetes and obesity, due to age-related factors, physical inactivity and unhealthy dietary patterns, is also contributing to the widespread adoption of APDS across the globe. The rising demand for efficient diabetes monitoring and minimally invasive (MI) drug delivery systems is also providing a boost to the market growth. APDS automatically monitors the glucose levels and administers doses of insulin throughout the day in controlled amounts. Various technological innovations, including the development of software-based wireless systems that are integrated with automated controls, are further contributing to the market growth. Moreover, regulatory bodies and governments of various nations are significantly investing in research and development (R&D) for the improvement of healthcare infrastructure across the globe. For instance, the Food and Drug Association (US FDA) in the United States is approving an

increasing number of new and innovative products, which is creating a positive outlook for the market in the country.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global artificial pancreas device systems (APDS) market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on device type, treatment type and end-user.

Breakup by Device Type:

Threshold Suspend Device Systems

Control-to-Range Systems

Control-to-Target Systems

Breakup by Treatment Type:

Bi-hormonal

Insulin Only

Hybrid

Breakup by End-User:

Hospitals

Medical Centres

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Beta Bionics Inc., Bigfoot Biomedical Inc., Dexcom Inc., Inreda Diabetic B.V., Insulet Corporation, Johnson & Johnson, Medtronic Inc., F. Hoffmann-La Roche Ltd, Tandem Diabetes Care Inc., etc.

Key Questions Answered in This Report:

How has the global artificial pancreas device systems market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global artificial pancreas device systems market?

What is the breakup of the market based on the device type?

What is the breakup of the market based on the treatment type?

What is the breakup of the market based on the end-user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global artificial pancreas device systems market and who are the key players?

What is the degree of competition in the industry?

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