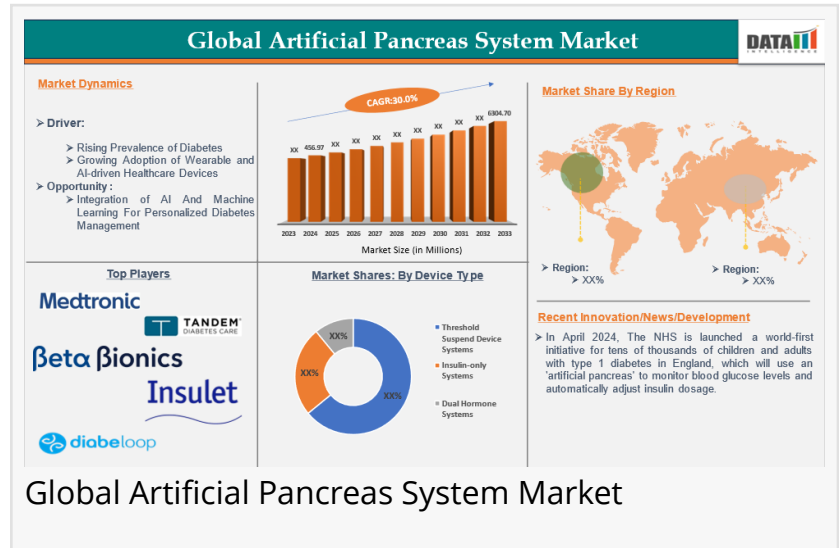


Artificial Pancreas System Market Growth | Latest Trends, Size & Forecast 2025-2032 | DataM Intelligence

The Global Artificial Pancreas System Market is expected to reach at a CAGR of 18.0% during the forecast period 2025-2033.

AUSTIN, TX, UNITED STATES, June 24, 2025 /EINPresswire.com/ -- The Global [Artificial Pancreas System Market](#) was worth \$456.97 million in 2024 and is predicted to increase to \$2070.82 million by 2033, with a CAGR of 18.0% between 2025 and 2033.



Market Overview:

The Artificial Pancreas System market is expanding rapidly as the prevalence of Type 1 and insulin-dependent Type 2 diabetes rises worldwide. These systems help improve glycemic control, reduce hypoglycemic episodes, and enhance the quality of life for diabetes patients. Continuous advancements in sensor technologies and software algorithms are making these systems more reliable, compact, and accessible.



The Artificial Pancreas System Market is driven by rising diabetes cases, tech advancements, and demand for automated insulin delivery to improve patient outcomes."

DataM Intelligence

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Market Drivers and Opportunities:

Technological Advancements: The integration of AI and machine learning into artificial pancreas systems is improving real-time insulin delivery and prediction capabilities.

Increasing Diabetes Cases: With over 537 million adults living with diabetes globally, the demand for effective glucose regulation solutions is at an all-time high.

Government and Private Sector Support: Favorable regulatory policies and funding for diabetes management technologies are accelerating product innovation and approvals.

Growing Awareness: Rising awareness regarding diabetes complications and the benefits of automated insulin delivery systems is propelling market adoption.

Market Segmentation:

By Device Type:

Threshold Suspend Device Systems

Insulin-only Systems

Dual Hormone Systems.

By End-User:

Hospitals

Clinics

Homecare Settings

Ambulatory Surgical Centers.

By Region:

North America

Latin America

Europe

Asia Pacific

Middle East

Africa.

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Geographical Share;

North America dominates the global market, driven by strong healthcare infrastructure, high diabetes prevalence, and early adoption of innovative technologies in the U.S.

Asia-Pacific is expected to register the fastest growth, particularly in countries like Japan, China,

and India, due to the increasing diabetic population and improving access to advanced healthcare technologies.

Europe holds a significant market share with extensive use of insulin pumps and continuous glucose monitors (CGMs), especially in Germany and the U.K.

Key Market Players:

Key players actively driving the Artificial Pancreas System market include:

Medtronic plc

Tandem Diabetes Care, Inc

Beta Bionics

Insulet Corporation

Diabeloop

Inreda Diabetic B.V

Nikkiso Co., Ltd.

These companies are focusing on R&D, strategic collaborations, and product innovation to gain a competitive edge in the market.

Recent Developments:

United States

2025: Medtronic launched an updated version of its MiniMed™ artificial pancreas system, incorporating personalized AI-driven insulin dosing based on user behavior and meal intake patterns.

2024: Beta Bionics received FDA approval for its iLet® Bionic Pancreas, a fully automated insulin delivery system requiring minimal user input, streamlining diabetes management.

Japan

2025: Nipro Corporation announced a partnership with a Japanese AI startup to co-develop a next-generation artificial pancreas that integrates real-time health analytics and dietary tracking.

2024: The Japanese government expanded its insurance reimbursement policy to cover hybrid closed-loop systems, increasing the adoption rate of artificial pancreas systems nationwide.

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Conclusion:

With continuous advancements in insulin delivery, glucose sensing technologies, and supportive healthcare policies, the Artificial Pancreas System market is set to transform diabetes care. As key players invest in innovation and global access expands, the market will continue to offer promising growth opportunities for both industry stakeholders and patients worldwide.

Related Reports:

[Artificial Organs and Bionics Market](#)

[Artificial Iris Market](#)

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