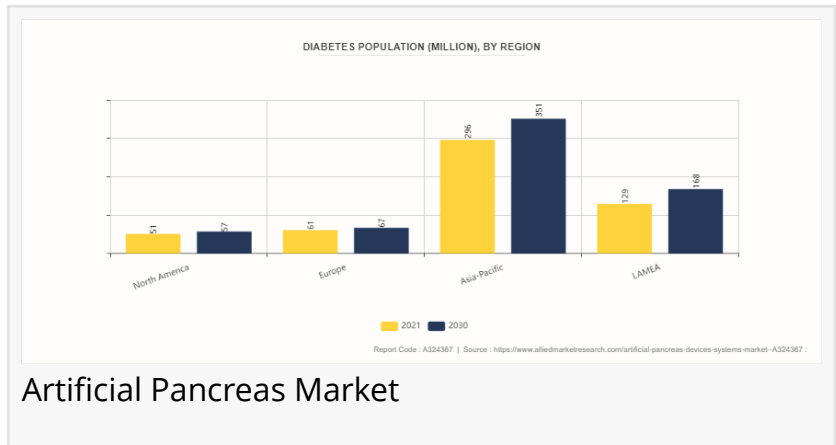


Artificial Pancreas Market to Exceed \$0.8B by 2033 - 537M Adults Affected by Diabetes

PORTLAND, OR, UNITED STATES,
November 19, 2024 /

EINPresswire.com/ -- The global [artificial pancreas devices systems market](#) is on a remarkable growth trajectory, valued at \$0.4 billion in 2023 and forecasted to reach \$0.8 billion by 2033, marking a compound annual growth rate (CAGR) of 8.8%. This growth reflects advancements in diabetes management technologies and increasing demand driven by global health trends.



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Key Market Drivers

- Diabetes Epidemic:
- Diabetes affects 537 million adults globally (2021, International Diabetes Federation).
- Lifestyle shifts and aging populations are exacerbating the prevalence, particularly in developed and emerging economies.
- Technological Innovations:
- Integration of real-time Continuous Glucose Monitors (CGMs) with smart insulin pumps.
- AI-driven algorithms enable automated insulin dosing tailored to individual patient needs.
- Healthcare Investments:
- Public health initiatives, such as NHS England's £2.5 million artificial pancreas program, bolster market expansion.
- Regulatory approvals (e.g., CamAPS FX by the FDA) validate innovations for broader adoption.

Regional Market Insights

- North America:
- Market leader with robust R&D investment and established healthcare infrastructure.
- Asia-Pacific:
- Expected to exhibit the fastest growth due to rising awareness, healthcare access, and aging

demographics.

Segment Breakdown

- By Device Type:
- Threshold Suspend Systems dominate; Control-to-Target (CTT) Systems show rapid innovation.
- End Users:
- Homecare emerging as a key segment, driven by user-friendly interfaces and remote monitoring tools.

Competitive Landscape

Key players include:

- Medtronic Plc
- Tandem Diabetes Care, Inc.
- Insulet Corporation
- Beta Bionics

These companies focus on strategic partnerships, product innovations, and global market penetration to maintain competitive advantage.

Future Prospects

Advancements in artificial pancreas systems not only promise improved glycemic control but also elevate patient quality of life. With continued innovation and supportive healthcare policies, the market is poised for transformative growth, offering lucrative opportunities for stakeholders worldwide.

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