

Smart Insulin Management Devices Market Projected to Reach USD 27.07 Bn by 2033 | DataM Intelligence

Smart Insulin Management Devices Market: Rising diabetes prevalence, patient-centric technology, and government support drive innovation and adoption worldwide

CALIFORNIA, CA, UNITED STATES, May 29, 2025 /EINPresswire.com/ -- [Smart Insulin Management Devices Market](https://www.datamintelligence.com/smart-insulin-management-devices-market) Size reached US\$ 12.93 Billion in 2024 and is expected to reach US\$ 27.07 Billion by 2033, growing at a CAGR of 8.6% during the forecast period 2025-2033.

The global market for smart insulin management devices is undergoing a rapid transformation as healthcare systems implement digital technologies to address the global diabetes pandemic. The industry is expected to experience a significant expansion by 2033 as continuous glucose monitoring (CGM), linked insulin devices, and smart pumps become more accessible.

“

In the U.S., smart insulin tech is leading a shift—making diabetes management smarter, safer, and simpler for millions.”

DataM Intelligence

Get Detailed Premium Sample PDF:

<https://www.datamintelligence.com/download-sample/smart-insulin-management-devices-market>

Market Overview and Growth Prospects

Worldwide, diabetes affects more than 500 million individuals and is considered one of the most significant

health issues. Smarter, more efficient alternatives are replacing conventional insulin delivery methods, simplifying diabetes management for both patients and healthcare professionals.



Bluetooth connectivity, AI-powered dosage algorithms, and data integration with health applications are all features of smart insulin devices. The objective of these enhancements is to eliminate dosage errors, improve patient compliance, and offer caregivers and physicians real-time monitoring.

Increased awareness, legislative support, and advancements in wearable and mobile health technology are anticipated to propel the global market for smart insulin control devices to billions of dollars by 2025.

Key Market Drivers:

Surge in Diabetes Cases

An aging population, sedentary lifestyles, and dietary shifts have caused an alarming rise in Type 1 and Type 2 diabetes globally. In response, governments and health organizations are advocating for better monitoring tools, opening the door for digital insulin solutions. According to the International Diabetes Federation, by 2050, IDF projections show that 1 in 8 adults, approximately 853 million, will be living with diabetes, an increase of 46%.

Shift Toward Personalized and Connected Care

Patients are increasingly seeking tools that integrate into their daily routines and smartphones. Smart insulin pens and CGMs meet this demand by syncing insulin delivery data with apps that track meals, exercise, and glucose trends.

Government and Payer Support

Public health agencies are pushing for remote diabetes care to ease the burden on clinics. Reimbursement policies for connected devices are improving in major markets like the U.S., Japan, Germany, and Australia, making these solutions more financially accessible.

Smart Insulin Management Devices Market Segment Analysis

The insulin pumps from the product type segment are expected to hold 39.37% of the market share in 2024 in the smart insulin management devices market

The global smart insulin management devices market is categorized by product type, application, end-user, and region.

Insulin pumps particularly hybrid closed-loop systems are transforming diabetes care by delivering insulin continuously and automatically adjusting doses based on real-time glucose monitoring. Devices such as the Medtronic MiniMed 780G and Insulet Omnipod 5 have significantly improved patient outcomes by reducing the risk of both hypoglycemia and

hyperglycemia, while also minimizing the need for user intervention.

Advancements in insulin pump software are enhancing usability and reducing complications, further increasing consumer demand for user-friendly, comfortable solutions. For example, in March 2025, Tandem Diabetes Care, Inc. introduced Control-IQ+ technology, the latest generation of its advanced hybrid closed-loop algorithm. This new technology is compatible with both the t:slim X2 insulin pump and the Tandem Mobi System, and is now available for individuals with type 1 diabetes aged 2 and older, as well as adults with type 2 diabetes.

Regional Outlook

North America

North America is expected to dominate the global smart insulin management devices market with a 43.18% share in 2024

North America remains the largest and most advanced market for smart insulin devices, led by strong healthcare infrastructure, high smartphone penetration, and favorable reimbursement models. The U.S. is witnessing rapid uptake due to strong support from insurers and growing adoption in rural health initiatives.

Asia-Pacific

Asia-Pacific is emerging as the fastest-growing region due to a large diabetic population and increasing government investments in health tech. Japan, South Korea, and India are at the forefront of digital diabetes management in the region.

Europe

Countries like Germany, France, and the UK are seeing growing usage of smart insulin pens and CGMs, largely driven by government-led initiatives for digital health and chronic disease management.

Leading Companies in the Market

Top players are continuously innovating to stay ahead in the competitive landscape. Key names include:

- Medtronic
- Abbott Laboratories
- Dexcom
- Novo Nordisk
- Eli Lilly and Company

- Tandem Diabetes Care
- Insulet Corporation

These companies are investing in miniaturization, AI-powered analytics, cloud integration, and non-invasive glucose monitoring to meet evolving patient needs.

Industry News:

- **Eli Lilly's Connected Pen Launch:** In early 2025, Eli Lilly released a Bluetooth-enabled smart insulin pen in select European markets, with a U.S. launch expected by Q3 2025.
- **Abbott's CGM Expansion:** Abbott announced enhancements to its FreeStyle Libre system, adding real-time glucose alerts and compatibility with third-party insulin pumps.
- **Medtronic's MiniMed Updates:** Medtronic is expanding its portfolio with advanced AI features in its insulin pump system to predict hypoglycemia more accurately.

Latest News of USA

In March 2025, the U.S. Centers for Medicare & Medicaid Services (CMS) expanded coverage to include certain Bluetooth-connected insulin pens and wearable devices under Medicare Part B. This decision follows lobbying from diabetes advocacy groups and marks a significant milestone in accessible smart care.

Also, leading insurer UnitedHealthcare announced pilot programs in Texas and California offering smart insulin devices bundled with telehealth services for rural and underserved communities.

Latest News of Japan

In January 2025, the Japanese Ministry of Health, Labour and Welfare approved a domestic startup's AI-powered insulin dosage assistant for commercial use. This move supports Japan's growing emphasis on remote care for its aging diabetic population.

Meanwhile, Panasonic Healthcare and a Tokyo-based medtech startup entered a partnership in February 2025 to co-develop non-invasive CGM patches, with clinical trials scheduled for late 2025.

Future Outlook

With rising global diabetes rates and a demand for simpler, connected care, the smart insulin management devices market is well-positioned for transformative growth. As technology becomes more intuitive and accessible, patients are expected to gain more control over their

health, reducing complications and improving quality of life.

Looking For Full Premium Report? Get it Here: <https://www.datamintelligence.com/buy-now-page?report=smart-insulin-management-devices-market>

Stay informed with the latest industry insights-start your subscription now:
<https://www.datamintelligence.com/reports-subscription>

Related Report:

[Insulin Pump Market Share2024-2031](#)

[Type 2 Diabetes Market Share2025-2033](#)

Sai Kumar

DataM Intelligence 4market Research LLP

+1 877-441-4866

sai.k@datamintelligence.com

Visit us on social media:

[LinkedIn](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/817168509>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.