

## Type 1 Diabetes: Epidemiology Forecast to 2026

URL:	<a href="https://marketpublishers.com/r/T7FB4A27E47EN.html">https://marketpublishers.com/r/T7FB4A27E47EN.html</a>
Date:	April 30, 2019
Pages:	29
Price:	US\$ 3,995.00
ID:	T7FB4A27E47EN

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#### SUMMARY

Type 1 diabetes, formerly referred to as insulin-dependent diabetes, is a type of diabetes that predominantly develops in children or young adults before the age of 40 years. The condition, therefore, was also referred to as juvenile diabetes. Type 1 diabetes accounts for about 5-10% of all diabetes cases and occurs as a result of the autoimmune destruction of pancreatic beta cells, which are responsible for producing insulin, a hormone that regulates blood sugar. If the condition is left untreated, blood sugar levels accumulate. In addition to the pancreas, high levels of blood sugar can damage other major organs, such as the heart, blood vessels, nerves, eyes, and kidneys. Such damage can be life threatening. Furthermore, research suggests that the incidence of type 1 diabetes is increasing globally, which may lead to an increased burden on healthcare resources (Holt, 2004; World Health Organization, 2013; Mayo Clinic, 2017).

To forecast the diagnosed prevalent cases of type 1 diabetes in the 8MM, GlobalData epidemiologists selected nationally representative population-based studies that provided data for the diagnosed prevalence of type 1 diabetes in the 8MM.

In the 8MM, the diagnosed prevalent cases of type 1 diabetes will increase from 3,396,254 cases in 2016 to 4,725,990 cases in 2026, at an Annual Growth Rate (AGR) of 3.92% per year. Among the 8MM, the US had the highest number of diagnosed prevalent cases of type 1 diabetes in 2016 and 2026, at 1,564,973 cases and 2,274,873 cases, respectively. Canada had the lowest number of prevalent cases of type 1 diabetes in 2016 and 2026, at 163,113 cases and 254,166 cases, respectively. GlobalData epidemiologists attribute the increase in the diagnosed prevalent cases of type 1 diabetes in the 8MM to environmental factors (seasonal variation) coupled with genetic factors, such as a family history of type 1 diabetes. However, further research is necessary to clearly understand the epidemiological factors responsible for the growth in the prevalent cases of type 1 diabetes (Onkamo et al., 1999).

#### SCOPE

- The Type 1 Diabetes Epidemiology Report provides an overview of the risk factors and global trends of type 1 diabetes in the eight major markets (8MM: US, France, Germany, Italy, Spain, UK, Japan, and Canada).
- The report includes a 10-year epidemiological forecast for the diagnosed prevalent cases of type 1 diabetes segmented by age (ages under 20 years, 20-29 years, 30-44 years, 45-59 years, 60-74 years, and 75 years and older) and sex in these markets. To forecast the diagnosed prevalent cases of type 1 diabetes in the 8MM, GlobalData epidemiologists selected nationally representative population-based studies that provided data for the diagnosed prevalence of type 1 diabetes in the 8MM.
  - The type 1 diabetes epidemiology report is written and developed by Masters - and PhD-level epidemiologists.

- The Epidemiology Report is in-depth, high quality, transparent and market-driven, providing expert analysis of disease trends in the 8MM.

## REASONS TO BUY

The Type 1 Diabetes Epidemiology report will allow you to -

- Develop business strategies by understanding the trends shaping and driving the global type 1 diabetes market.
- Quantify patient populations in the global type 1 diabetes market to improve product design, pricing, and launch plans.
- Organize sales and marketing efforts by identifying the age groups and sex that present the best opportunities for type 1 diabetes therapeutics in each of the markets covered.

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