

## **India Blood Glucose Monitoring - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2018 - 2029**

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### **Report description:**

India's Blood Glucose Monitoring Market is expected to register a CAGR of more than 8% and reach a value of about USD 453 million over the forecast period.

Diabetes mellitus was one of the most important risk factors for a severe course of COVID-19. Several factors that are frequently present in diabetes mellitus, including advanced age, hyperglycemia, and underlying diseases (hypertension, cardiovascular disease, chronic kidney disease, and obesity), were thought to have an impact on this risk. Diabetes was soon identified as a risk factor for negative outcomes during the COVID-19 pandemic, making the management or postponement of diabetes more crucial than ever.

Blood glucose monitoring keeps track of trends in blood glucose levels that change in response to things like food, exercise, medicines, and pathological conditions like diabetes. Unusual blood sugar levels can cause immediate and long-term, life-threatening illnesses. Diabetes management demands a sophisticated interdisciplinary strategy to enhance patient outcomes. Blood glucose levels can be successfully managed by prompt and accurate monitoring, reducing health issues associated with diabetes.

Diabetes mellitus, generally known as diabetes, is characterized by high blood sugar levels. A total absence of insulin causes type-1 diabetes, often known as insulin-dependent diabetes mellitus. Type-2 diabetes mellitus is when the body either does not create enough insulin or cannot use the insulin it produces. Diabetes type-2 is considered a lifestyle condition. Sugary sweets are a mainstay of Indian culture and an important element of historical rituals and religious celebrations. According to the Article Published in 'THE HINDU,' One in six people with diabetes in the world is from India. According to the statistics, the country ranks second in the world for diabetics, with an estimated 80 million diabetics. Diabetes affects more than half of the Indian population

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at some point in their lives, making it a major public health issue. The incidence of type-2 diabetes is also increasing in rural India, which drives the market and increases the adoption rate of new and advanced technologies.

## India Blood Glucose Monitoring Market Trends

### Rising diabetes prevalence

In India, Diabetes Population is expected to increase with a CAGR of more than 1% over the forecast period.

Diabetes now affects more than 82 million people in India, and by 2027, diabetes is expected to afflict about 10% of the Indian population. Obesity, particularly central obesity and increased visceral fat because of physical inactivity, as well as intake of high-calorie/high-fat and high-sugar diets, are key risk factors for diabetes among Indians. The country's most popular work culture, which involves sitting for hours in one position and eating fast food with little or no physical exercise, is a key factor to diabetes in the working-age group, resulting in the rapid growth in diabetes cases in India.

Diabetes is estimated to account for 10% of global health spending in India, according to the International Diabetes Federation (IDF). According to the Ministry of Health and Family Welfare of the Government of India, noncommunicable diseases (NCDs) account for 60% of all fatalities in India. Noncommunicable illnesses such as diabetes, cardiovascular disease, cancer, chronic respiratory disease, and so on. The National Program for the Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases, and Stroke (NPCDCS) comprises medical education, school health awareness, and diabetes urban design to prevent and control major NCDs.

Diabetes is a data management condition, an example of how real-world health and treatment data collecting supports integrated and personalized chronic disease management. In the process of making shared treatment decisions, both patients and diabetes care professionals use continually gathered metabolic, therapeutic, and lifestyle data. Diabetes self-management is aided by digital health technology, such as digital health applications. Diabetes applications enable the adoption of lifestyle changes for the prevention and treatment of diabetes, the evaluation of blood glucose control quality, and insulin doses. Integration of Blood Glucose Monitoring with insulin calculators, automated insulin titration software, and remote coaching are additional developments that provide patients with poorly controlled diabetes with the additional support needed to improve critical outcomes, thereby improving market prospects in the coming years.

The continuous glucose monitoring segment is expected to witness the highest growth rate over the forecast period.

The Continuous Glucose Monitoring Segment is expected to register the highest CAGR of 11% over the forecast period.

Continuous glucose monitoring devices measure blood sugar levels using glucose oxidase. Glucose oxidase transforms glucose into hydrogen peroxidase, which combines with the platinum inside the sensor to provide an electrical signal sent to the transmitter. The most significant component of continuous glucose monitoring is the sensors. Technological advancements to improve sensor accuracy are expected to drive segment growth during the forecast period.

Researchers are looking for and developing alternatives to electrochemical-based glucose sensors to build more inexpensive, less intrusive, and user-friendly CGM devices. Optical sensing is a potential platform for glucose detection. Some technologies, such as spectroscopy, fluorescence, and holographic technology, have been reported to have high potential in continuous glucose sensing. Eversense, a CGM sensor based on fluorescence sensing created by Senseonics Company, has a significantly longer lifespan than electrochemical sensors.

The regularity with which glucose levels are monitored is determined by the type of diabetes, which varies from patient to

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patient. The awareness of self-monitoring of glucose levels has grown significantly in India, and the market for monitoring devices is predicted to register a CAGR of 10% over the forecast period. Type-1 people with diabetes must monitor their blood glucose levels regularly to alter their insulin dose correctly. Current CGM systems eliminate the need for finger pricking to measure blood glucose levels. It provides a more thorough picture of blood glucose patterns and trends than the typical regular screening of glucose levels at fixed intervals.

## India Blood Glucose Monitoring Industry Overview

India's Blood Glucose Monitoring Market is moderately fragmented, with few significant and generic players. There have been constant innovations driven by manufacturers such as Abbott and Medtronic while also adhering to organic growth strategies, which is evident from the R&D spending of these companies.

### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

### Table of Contents:

#### 1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

#### 2 RESEARCH METHODOLOGY

#### 3 EXECUTIVE SUMMARY

#### 4 MARKET DYNAMICS

- 4.1 Market Overview
- 4.2 Drivers
- 4.3 Restraints
- 4.4 Porter's Five Forces Analysis
  - 4.4.1 Bargaining Power of Suppliers
  - 4.4.2 Bargaining Power of Consumers
  - 4.4.3 Threat of New Entrants
  - 4.4.4 Threat of Substitute Products and Services
  - 4.4.5 Intensity of Competitive Rivalry

#### 5 MARKET SEGMENTATION

- 5.1 Device
  - 5.1.1 Self-monitoring blood glucose devices
    - 5.1.1.1 Glucometer Devices
    - 5.1.1.2 Test Strips
    - 5.1.1.3 Lancets
  - 5.1.2 Continuous blood glucose monitoring devices
    - 5.1.2.1 Sensors
    - 5.1.2.2 Durables (Receivers and Transmitters)

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## 6 MARKET INDICATORS

### 6.1 Type-1 Diabetes population

### 6.2 Type-2 Diabetes population

## 7 COMPETITIVE LANDSCAPE

### 7.1 COMPANY PROFILES

#### 7.1.1 Abbott Diabetes Care

#### 7.1.2 Roche Diabetes Care

#### 7.1.3 LifeScan

#### 7.1.4 Dexcom Inc.

#### 7.1.5 Medtronic PLC

#### 7.1.6 Arkray Inc.

#### 7.1.7 Ascensia Diabetes Care

#### 7.1.8 Agamatrix Inc.

#### 7.1.9 Bionime Corporation

#### 7.1.10 Acon Laboratories Inc.

#### 7.1.11 Trivida Health

### 7.2 COMPANY SHARE ANALYSIS

#### 7.2.1 Self-monitoring Blood Glucose Devices

##### 7.2.1.1 Abbott Diabetes Care

##### 7.2.1.2 Roche Diabetes Care

##### 7.2.1.3 LifeScan

##### 7.2.1.4 Other Self-monitoring Blood Glucose Devices

#### 7.2.2 Continuous Glucose Monitoring Devices

##### 7.2.2.1 Dexcom Inc.

##### 7.2.2.2 Medtronic PLC

##### 7.2.2.3 Abbott Diabetes Care

##### 7.2.2.4 Other Continuous Glucose Monitoring Devices

## 8 MARKET OPPORTUNITIES AND FUTURE TRENDS

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