

Smart Syringe Market Report by Product (Auto-disable Syringes, Active Safety Syringes, Passive Safety Syringes), Age Group (Pediatrics, Adults), Application (Drug Delivery, Vaccination, Blood Specimen Collection), End User (Hospitals and HMOs, Diabetic Patients, Family Practices (Physicians), Psychiatric, and Others), and Region 2024-2032

<https://marketpublishers.com/r/SB7473BA30D1EN.html>

Date: August 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: SB7473BA30D1EN

Abstracts

The global smart syringe market size reached US\$ 9.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 17.3 Billion by 2032, exhibiting a growth rate (CAGR) of 6.63% during 2024-2032.

A smart syringe is a medical device engineered with safety mechanisms to prevent reuse and regulate unsafe injection practices. It is incorporated with a read and write chip with preset parameters, ranges, and usage tracking. It is commonly available in variants of auto-disable (AD), passive safety, and active safety syringes. It aids in treating patients with critical disorders and conditions, such as human immunodeficiency virus (HIV), hepatitis A, hepatitis B, and diabetes. It is used for vaccination, drug delivery, and blood specimen collection. As a result, it is utilized in hospitals, clinics, diagnostics, and vaccination centers across the globe.

Smart Syringe Market Trends:

The increasing prevalence of chronic diseases and viral infections among the masses represents one of the major factors positively influencing the demand for smart syringes around the world. It can also be attributed to the growing aging population, which is more prone to severe medical diseases. Moreover, the expanding number of blood-

borne infections among the masses is favoring the market growth. In addition, the rising demand for self-injecting medicines is contributing to the market growth. Apart from this, increasing concerns about needle stick injuries and the rising awareness about safe injection practices are offering lucrative growth opportunities to leading players operating in the industry. Furthermore, the expanding number of births and the growing prevalence of various pediatric diseases among adolescents are creating a positive outlook for the market. Additionally, product manufacturers are introducing small-sized, convenient, lightweight with touch screens and Wi-Fi-enabled solutions for easy monitoring. Besides this, rising investments in improving healthcare infrastructure and medical services and extensive research and development (R&D) activities are expected to propel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global smart syringe market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product, age group, application and end user.

Breakup by Product:

- Auto-disable Syringes

- Active Safety Syringes

- Passive Safety Syringes

Breakup by Age Group:

- Pediatrics

- Adults

Breakup by Application:

- Drug Delivery

Vaccination

Blood Specimen Collection

Breakup by End User:

Hospitals and HMOs

Diabetic Patients

Family Practices (Physicians)

Psychiatrics

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AdvaCare Pharma, B. Braun Melsungen AG, Becton, Dickinson and Company, Gerresheimer AG, Merit Medical Systems Inc., Nipro Corporation, Numedico Technologies Pty Ltd., Retractable Technologies Inc. and Terumo Corporation.

Key Questions Answered in This Report

Smart Syringe Market Report by Product (Auto-disable Syringes, Active Safety Syringes, Passive Safety Syringes...

1. What was the size of the global smart syringe market in 2023?
2. What is the expected growth rate of the global smart syringe market during 2024-2032?
3. What are the key factors driving the global smart syringe market?
4. What has been the impact of COVID-19 on the global smart syringe market?
5. What is the breakup of the global smart syringe market based on the product?
6. What is the breakup of the global smart syringe market based on age group?
7. What is the breakup of the global smart syringe market based on the application?
8. What is the breakup of the global smart syringe market based on the end user?
9. What are the key regions in the global smart syringe market?
10. Who are the key players/companies in the global smart syringe market?

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