

Prefilled Syringes -Market Insights, Competitive Landscape and Market Forecast–2026

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Abstracts

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Prefilled Syringes Market By Product Design (Staked Needle System, LUER Cone System, And LUER Lock System), By Material (Glass And Polymer), By Usability (Reusable And Disposable), And By End User (Hospitals & Clinics, Ambulatory Surgical Centers, And Homecare Settings), By Geography is expected to grow at a steady CAGR forecast till 2026 owing to the rising prevalence of chronic diseases such as diabetes and increasing popularity of biologic drugs specifically vaccines.

Global Prefilled Syringes Market was valued at USD 10.41 billion in 2020, growing at a CAGR of 10.40% during the forecast period from 2021 to 2026 to reach 18.76 billion by 2026. The demand for prefilled syringes is witnessing growth due to the growing prevalence of chronic diseases and autoimmune disorders such as diabetes and rheumatoid arthritis respectively, increasing popularity of biologic drugs, rising popularity of self-administration of drugs, offer a convenient alternative to conventional syringes and vials.

Prefilled Syringes Market Dynamics:

The prefilled syringes market is witnessing an increase in market revenue due to the rising prevalence of various chronic diseases such as diabetes. According to the Ninth Edition of the International Diabetes Federation (IDF) Diabetes Atlas, globally, in 2019, there were approximately 463 million adults in the 20-79 age group suffering from diabetes. The source stated that the number of diabetic patients across the globe is expected to rise to 700 million by 2045. Additionally, 374 million people are at increased risk of developing type 2 diabetes. In addition to the above facts, according to the IDF,

in 2019, an estimated 223 million women globally (2,079 years of age) were living with diabetes in 2019 and is further set to grow to 343 million by 2045.

Prefilled syringes are one of the most popular devices that have gained importance over the years due to their ease of use and other advantages over traditional insulin syringes.

Prefilled syringes are easy to use, portable and discreet in appearance, safer to administer drugs, require less time than their traditional counterparts, and prove to be more convenient to use.

Another key factor instrumental in the growth of the prefilled syringes is the rising popularity of biologic drugs.. While small molecule drugs can generally be taken orally, complex proteins and peptides of biologics in tablet form are rarely effective. This is why less invasive forms of delivery are such as prefilled syringes are becoming the choice of containers for the packaging of biologic drugs, thereby boosting the product demand in the prefilled syringes market.

However, challenges in the manufacture of prefilled syringes, and availability of alternative products such as conventional needles and syringes may prove to be certain restraints to the prefilled syringes market growth.

Prefilled Syringes Market Segment Analysis:

Prefilled Syringes Market by Product Design (Staked Needle System, Luer Cone System, and Luer Lock System), Prefilled Syringes Market by Material (Glass and Polymer), Prefilled Syringes Market by Usability (Reusable and Disposable), Prefilled Syringes Market by End User (Hospitals & Clinics, Ambulatory Surgical Centers, Homecare Settings, and Others), and Prefilled Syringes Market by Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In the material segment of the prefilled syringes market, there is expected to be a shift from glass to polymer (plastic) syringes in the forecast period in order to overcome the shortcomings of the prefilled syringes made of glass. For instance, silicone oil (used to lubricate the inner surface of glass pre-filled syringe) is seen as a key factor which cannot be avoided in the manufacture of glass prefilled syringes yet is known to interfere with the properties of the biologics. Silicone is needed to ensure functionality, for components for prefilled syringes such as the plunger but silicone can alter sensitive proteins under certain conditions—causing them to aggregate or change their form.

Therefore, polymer prefilled syringes are now being preferred over the glass prefilled syringes. The polymer prefilled syringes have high barrier properties against water vapor and oxygen, thereby effectively protecting the contents of the syringe. These syringes are also transparent, and are remarkably similar in appearance to glass syringes. This transparency also makes it easy to visually check content for haze, particles, and other imperfections. The Cyclo-Olefin-Polymer (COP) syringes are also much more resistant to breakage than their glass counterparts. Thus, the factors mentioned above are going to be instrumental in the increasing demand for plastic prefilled syringes in the forecast period.

North America is expected to dominate the overall Prefilled Syringes Market:

Among all the regions, North America is expected to account for the significant market share in the prefilled syringes market. North America is predicted to account for the dominant market share because of the high prevalence of autoimmune disorders, chronic diseases, rising population of the elderly as well as high awareness among people regarding disease management and the new product launches in the region.

The North American prefilled syringes market is witnessing an upward trend due to the rising prevalence of autoimmune diseases among other factors. In a study published in the journal *Arthritis and Rheumatology* by Dinse et al. in 2020, the researchers found that the prevalence of antinuclear antibodies (ANA), the most common biomarkers of autoimmunity, is increasing significantly in the United States in general, and more specifically in certain groups.

As per the data provided by the Public Health Agency of Canada, in 2019, approximately 374,000 (1.2%) Canadians age 16 and older were living with diagnosed rheumatoid arthritis, and 23,000 (0.8 per 1,000 people per year) were newly diagnosed in 2016-2017. The prevalence and incidence of diagnosed rheumatoid arthritis generally increases with age and is higher in women (1.7% and 1.0 per 1000 people per year, respectively) than in men (0.8% and 0.5 per year, respectively 1000 people per year).

Therefore, in order to cater to the medical needs of the large population suffering from autoimmune diseases such as RA, a number of medications are available in the prefilled syringes form. A few of them include Humira, Kevzara, and Enbrel which are available in the prefilled syringe form.

The above-mentioned facts point towards the presence of diverse patient pool in the country as well as region that may benefit from the utilization of prefilled syringes.

Furthermore, the well-established patient care system along with awareness among patients and caregivers regarding different types of prefilled syringes is further expected to propel the North American prefilled syringes market growth.

Moreover, the prompt and well-established healthcare services and infrastructure further contributes to the growth of the regional prefilled syringes market. The presence of key players in the region and supportive reimbursement programs further provide immense growth opportunities for prefilled syringes market. For instance, in July 2021, Fresenius Kabi launched ready-to-administer prefilled fentanyl syringe in the 1 ml volume format which is designed to cut waste and diversion by eliminating the possibilities of potential errors.

Prefilled Syringes Market Key Players:

Some of the key market players operating in the prefilled syringes market includes BD, NIPRO Pharma, Taisei Kako Co.,Ltd, TERUMO PHARMACEUTICAL SOLUTIONS., SCHOTT AG, Gerresheimer AG, West Pharmaceutical Services, Inc., Dali Medical Devices, Stevanato Group, Credence MedSystems, Inc., Baxter, MAEDA INDUSTRY Co., Ltd., MedXL Inc, IRISYS, LLC, Sandoz International GmbH, Pfizer Inc., Vetter, Weigao Group, Fresenius Kabi, Catalent Inc and others.

Recent Developmental Activities in Prefilled Syringes Market:

In May 2021, Glenmark Pharmaceuticals Limited received the US Food and Drug Administration approval for the Icatibant Injection, 30 mg/3 mL (10 mg/mL) Single-Dose Prefilled Syringe.

In April 2021, Roche received the approval from the US FDA for the supplemental Biologics License Application of the company for Xolair® (omalizumab) prefilled syringe for self-injection across all approved U.S. indications.

In March 2021, Zealand Pharma announced the US FDA approval for the Zegalogue® (dasiglucagon) injection which is available in the prefilled syringe form, for the treatment of diabetes.

Key Takeaways from the Prefilled Syringes Market Report Study

Market size analysis for current prefilled syringes market size (2020), and market forecast for 5 years (2021-2026)

The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the prefilled syringes market.

Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years

Key companies dominating the global prefilled syringes market.

Various opportunities available for the other competitor in the prefilled syringes market space.

What are the top performing segments in 2020? How these segments will perform in 2026.

Which is the top-performing regions and countries in the current prefilled syringes market scenario?

Which are the regions and countries where companies should have concentrated on opportunities for prefilled syringes market growth in the coming future?

Target Audience who can be benefited from this Prefilled Syringes Market Report Study

Prefilled Syringes products providers

Research organizations and consulting companies

Prefilled Syringes-related organization, association, forum, and other alliances

Government and corporate offices

Start-up companies, venture capitalists, and private equity firms

Distributors and Traders dealing in prefilled syringes

Various End-users who want to know more about the prefilled syringes market and latest technological developments in the prefilled syringes market.

Frequently Asked Questions for Prefilled Syringes Market:

1. What is a Prefilled Syringe?

A pre-filled syringe come preloaded with a single dose substance usually drug or vaccine to be injected with a needle. Pre-filled syringes with pre measure dosages helps to reduce dosing errors with increase patient compliance.

2. What is the market for Global Prefilled Syringes?

Global Prefilled Syringes Market was valued at USD 10.41 billion in 2020, growing at a CAGR of 10.40% during the forecast period from 2021 to 2026 to reach 18.76 billion by 2026.

3. What are the drivers for Global Prefilled Syringes Market?

The demand for prefilled syringes is witnessing growth due to the growing prevalence of chronic diseases and autoimmune disorders, increasing popularity of biologic drugs, rising popularity of self-administration of drugs, and a safe alternative to conventional syringes, and vials.

4. What are the key players operating in Global Prefilled Syringes Market?

Some of the key market players operating in the prefilled syringes market includes BD, NIPRO Pharma, Taisei Kako Co.,Ltd, TERUMO PHARMACEUTICAL SOLUTIONS., SCHOTT AG, Gerresheimer AG, West Pharmaceutical Services, Inc., Dali Medical Devices, Stevanato Group, Credence MedSystems, Inc., Baxter, MAEDA INDUSTRY Co., Ltd., MedXL Inc, IRISYS, LLC, Sandoz International GmbH, Pfizer Inc., Vetter, Weigao Group, Fresenius Kabi, Catalent Inc and others..

5. Which region has the highest share in Prefilled Syringes market?

Among all the regions, North America is expected to account for the significant market share in the prefilled syringes market. North America is predicted to account for the dominant market share because of the high prevalence of autoimmune disorders, chronic diseases, rising population of the elderly as well as high awareness among people regarding disease management and the new product launches other factors in the region.

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