

Hypodermic Needles Market Report by Product Type (Safety Hypodermic Needles, Non-Safety Hypodermic Needles), Application (Drug Delivery, Vaccination, Blood Specimen Collection), End User (Hospitals and Clinics, Ambulatory Surgical Centers, Diabetic Patients, Family Practices, Psychiatric, and Others), and Region 2024-2032

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Abstracts

The global hypodermic needles market size reached US\$ 2.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5.0 Billion by 2032, exhibiting a growth rate (CAGR) of 6.2% during 2024-2032. The hypodermic needles market is experiencing significant growth driven by increasing incidence of chronic diseases, rising demand for vaccinations and injectable medicines, needle breakthrough technologies that enhance comfort and safety for patients, and the expansion strategic healthcare infrastructure all over the world especially in the emerging economies.

Hypodermic Needles Market Analysis:

Major Market Drivers: The hypodermic needles market growth is significantly driven by the rising prevalence of chronic diseases requiring injectable medications, increasing demand for vaccines and therapeutic drugs, technological advancements enhancing needle safety and patient comfort, and expanding healthcare infrastructure globally.

Key Market Trends: The hypodermic needles market trends include the adoption of safety-engineered needles to minimize needlestick injuries, the growing preference for smaller gauge needles for reduced patient discomfort, and the emergence of needle-free injection systems for painless drug delivery.

Geographical Trends: North America has the largest share of the hypodermic needles market due to its a developed healthcare system, stringent safety regulations and a high

adoption rate of the latest needle technologies. Moreover, the increasing numbers of chronic diseases and healthcare expenditure are driving the region to take the lead in the global pharmaceutical market.

Competitive Landscape: Some of the major market players in the hypodermic needles industry include B. Braun Melsungen AG, Becton Dickinson and Company, Cardinal Health Inc., Connecticut Hypodermics Inc., EXELINT International Co., Hi-Tech Syringes, McKesson Corporation, Medline Industries LP, Nipro Corporation, Retractable Technologies Inc., Smiths Medical Inc. (ICU Medical Inc.), Terumo Corporation, among many others.

Challenges and Opportunities: The hypodermic needles market faces challenges such as rising concerns regarding needle disposal and environmental impact, needlestick injuries among healthcare workers, and stringent regulatory requirements. However, opportunities exist in the development of innovative needle technologies, expansion into emerging markets, and collaborations for research and development aimed at addressing unmet needs and improving patient care.

Hypodermic Needles Market Trends:

Ongoing Medical Advancements Driving Demand:

New and advanced medical procedures and the rising spread of health care has augmented the hypodermic needles market demand. For instance, the Centers for Disease Control and Prevention (CDC) stated that there are approximately 16 billion injections performed yearly in the United States indicating the role and importance of needles in modern medicine. Apart from this, the increase of vaccination programs, insulin therapy and other medical interventions has escalated the demand for hypodermic needles which show an integral part of these medical equipment in saving people's life, thus propelling the market growth. In addition to aging populations worldwide, chronic diseases have heightened the need of injecting medications such as insulin which constantly increase demand of syringes and needles.

Rising Prevalence of Chronic Diseases:

The number of chronic diseases from all over the world like diabetes and cancer is expanding every day. As per the World Health Organization (WHO), non-communicable diseases are the leading the cause of death in the world and these diseases are responsible for about 60% of all deaths. As a result, a constant supply of hypodermic or intravenous needles is required for injecting medications such as insulin and chemo drugs. Furthermore, with the increasing amount of production due to a growing need for chronically ill patient management, the hypodermic needles market is experiencing significant growth. Furthermore, the innovative breakthroughs in biotechnology result in

more injectable medication manufacturing, escalating the demand for hypodermic needles escalates.

Government Initiatives for Disease Prevention:

Many countries are allocating their budgets to disease prevention and control measures, such as mass immunization and measures aimed at preventing HIV/AIDS. For instance, the UNSDGs that targets all ages to improve health and wellness. As part of these initiatives, vaccination programs with hypodermic needles as the central element are being deployed, meeting the need for these items. With governments increasingly focusing on the public health agenda and allocating resources to combat infectious diseases, the needle-free injector market is set to experience a long-term sustainable growth due to such concerted efforts at improving the access to and the outcome of care. For instance, during the year of 2020, the World Health Organization (WHO) indicated that 116 million infants across the globe received three doses of the diphtheria-tetanus-pertussis (DTP) vaccine demonstrating the significant potential of vaccination. Additionally, actions as the USA have contributed to the same cause.

Hypodermic Needles Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global, regional, and country levels for 2024-2032. Our report has categorized the market based on product type, application, and end user.

Breakup by Product Type:

Safety Hypodermic Needles

Non-Safety Hypodermic Needles

Safety hypodermic needles accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the product type. This includes safety hypodermic needles and non-safety hypodermic needles. According to the report, safety hypodermic needles represented the largest segment.

Safety hypodermic needles can avoid needlestick injury and infection hazards among healthcare staff and patients. As stated by the Occupational Safety and Health Administration (OSHA), millions of healthcare workers around the world are affected by needlestick injuries every year. It is a significant issue mainly because of high-risk of

contracting bloodborne diseases. The Occupational Safety and Health Administration (OSHA) indicated that implementing safety-engineered devices like retractable/shielded needles can help to widen the gap between these injuries. For instance, OSHA estimates that about 385 million needlestick injuries can be maybe prevented in the United States every year using safety engineered devices. While regulations enforcing safer working environment are adopting the use of safety hypodermic needles, this is likely going to increase, which will be a key factor in the subsequent market share for that product.

Breakup by Application:

Drug Delivery

Vaccination

Blood Specimen Collection

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes drug delivery, vaccination, and blood specimen collection.

In drug delivery, the rise of chronic diseases has escalated the need to have proper and accurate administration of medication which is directly contributing to hypodermic needles market demand. The progress of biotechnology and pharmaceuticals, and the invention of injectable types add to this high level of requests. There has been a rise in needle usage with vaccine programs worldwide mostly, due to the global push for inoculation against infectious diseases. The COVID-19 pandemic has heightened the significance of vaccination projects in public health prompting an increase of demand for hypodermic needles. Furthermore, blood sampling for diagnostic purposes is still the most important blood collection method in health facilities ensuring the consistent demand for hypodermic needles. These applications ensure the continued development of the hypodermic needles market.

Breakup by End User:

Hospitals and Clinics

Ambulatory Surgical Centers

Diabetic Patients

Family Practices

Psychiatrics

Others

Hospitals and clinics represent the leading market segment

The report has provided a detailed breakup and analysis of the market based on the end user. This includes hospitals and clinics, ambulatory surgical centers, diabetic patients, family practices, psychiatrics, and others. According to the report, hospitals and clinics represented the largest segment.

Hospitals and clinics propel the hypodermic needles market growth, having a key role in provision of health services. According to the American Hospital Association (AHA), the country had at least 6000 licensed hospitals operating in 2021, serving millions of patients over the years. Hypodermic needles in their turn are indispensable medical equipment that is used throughout numerous treatments and procedures carried out in hospitals and clinics, such as vaccinations, injections, blood drawings and diagnostics. As a result of aging population and the growing number of people with chronic diseases, the consumption of hypodermic needles in hospitals and clinics leads to the fact that these establishments are gaining hypodermic needles in large amounts. In addition, stringent infection control protocols established by government health agencies ensure quality and prevent the spreading of diseases in hospitals and in the clinics, environment guaranteeing patient safety and excellent healthcare results.

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

North America leads the market, accounting for the largest hypodermic needles market share

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America represents the largest regional market for hypodermic needles.

North America remains the force of the hypodermic needles market as the region features a good healthcare infrastructure and the healthcare expenditure among the highest in the country generates a notable demand for medical devices, such as hypodermic needles. For instance, the Centers for Medicare & Medicaid Services (CMS), reported that healthcare expenditure in the United States reached \$4.1 trillion in 2020, meaning that the nation has invested vast amount of money in health services and products. Besides, agencies like the Food and Drug Administration (FDA) impose stringent regulatory standards that ensure the effectiveness, reliability, and usability of hypodermic needles which are essential for healthcare providers and patients. Also, the region concentrates on medical devices that are both innovative and uses the latest healthcare practices which in turn boosts the use of hypodermic needles, thus placing North America as a market leader in the global hypodermic needles market.

Competitive Landscape:

The market research report has also provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the major market players in the hypodermic needles industry include B. Braun Melsungen AG, Becton Dickinson and Company, Cardinal Health Inc., Connecticut Hypodermics Inc., EXELINT International Co., Hi-Tech Syringes, McKesson Corporation, Medline Industries LP, Nipro Corporation, Retractable

Technologies Inc., Smiths Medical Inc. (ICU Medical Inc.) and Terumo Corporation.

(Please note that this is only a partial list of the key players, and the complete list is provided in the report.)

The key players in the hypodermic needles market are finding new ways to improve the safety, accuracy, and comfort during the injection. For instance, BD (Becton, Dickinson and Company), which is a leading manufacturer, and which highlighted most of the modern needle technologies. BD finishes FY 2021 with revenue of \$17.09 billion thus indicating how it ranks in the market. The Terumo Corporation, another major player, advocates for sharper medical safety devices as shown by its SurGuard 3 safety needle. Terumo's movements during the fiscal year ended March 31, 2021, equaled to \$714.9 billion, which shows its market impact. Market main actors whose priority is innovation in research and the development of new needle products being the most powerful drivers of the market growth in the present era.

Hypodermic Needles Market News:

In December 2020, Becton, Dickinson and Company (BD) announced plans to invest approximately \$1.2 billion over a four-year period to expand and upgrade manufacturing capacity and technology for pre-fillable syringes (PFS) and advanced drug delivery. This investment includes the addition of a new manufacturing facility in Europe.

Key Questions Answered in This Report:

How has the global hypodermic needles market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global hypodermic needles market?

What is the impact of each driver, restraint, and opportunity on the global hypodermic needles market?

What are the key regional markets?

Which countries represent the most attractive hypodermic needles market?

What is the breakup of the market based on the product type?

Which is the most attractive product type in the hypodermic needles market?

What is the breakup of the market based on the application?

Which is the most attractive application in the hypodermic needles market?

What is the breakup of the market based on the end user?

Which is the most attractive end user in the hypodermic needles market?

What is the competitive structure of the market?

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