

Vaccine Delivery Devices Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global vaccine delivery devices market size reached US\$ 7.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 10.9 Billion by 2028, exhibiting a growth rate (CAGR) of 7.5% during 2023-2028.

A vaccine is a biological substance used to protect individuals from bacterial illnesses by stimulating the immune response of the body against the disease. It helps the immune system to produce antibodies against the invading antigens when given at specific intervals. It can be delivered in the body through liposomes, microspheres, nanoparticles, dendrimers, micellar systems, immune stimulating complexes (ISCOMs), and plant-derived viruses. At present, there is a rise in the utilization of vaccine delivery devices due to the growing prevalence of infectious diseases across the globe.

Vaccine Delivery Devices Market Trends:

Technological advancements in the systematic delivery of vaccines, such as micro-needles and electroporation, represent one of the key factors driving the market. Moreover, there is an increase in the utilization of needle-free delivery systems as they decrease needle stick injuries and the vaccine antigen dose and enhance the vaccine immunogenicity. This, along with the rising research in the field of vaccines and the development of new vaccine delivery devices around the world, is propelling the growth of the market. In addition, governments of several countries are promoting immunization programs to prevent disabilities and deaths from vaccine-preventable diseases. This, coupled with the growing investments by non-governmental organizations (NGOs) for various vaccination programs and campaigns globally, is positively influencing the market. Besides this, key market players are focusing on novel delivery technologies that increase the therapeutic value of vaccines by reducing toxicity. Additionally, the

expanding healthcare sector due to the increasing geriatric population and easy access to medical products and services is bolstering the market growth. Furthermore, the outbreak of coronavirus disease (COVID-19) is augmenting the sales of vaccine delivery devices worldwide.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global vaccine delivery devices market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on device, route of administration and end user.

Breakup by Device:

- Syringes
- Jet Injectors
- Others

Breakup by Route of Administration:

- Intramuscular Vaccination
- Intradermal Vaccination
- Subcutaneous Vaccination
- Others

Breakup by End User:

- Hospitals
- Clinics
- 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 3M Company, Becton Dickinson and Company, Enesi Pharma Limited, Gerresheimer AG, INOVIO Pharmaceuticals, NanoPass, Panacea Biotec Pharma Limited (Panacea Biotec), Pharmajet Inc., Schott AG (Carl-Zeiss-Stiftung), Terumo Corporation and Vaxxas.

Key Questions Answered in This Report:

How has the global vaccine delivery devices market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global vaccine delivery devices market?

What are the key regional markets?

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

What is the breakup of the market based on the route of administration?

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

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global vaccine delivery devices market and who are the key players?

What is the degree of competition in the industry?

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