North America Cancer Vaccines Market - Segment by type, technology, end-user and geography (2016 - 2021)

Description: Cancer vaccines are biological preparations that stimulate or strengthen a person's immune system against cancer. Cancer vaccines are usually administered intravenously. They can be used for both adults and children. The vaccines can be broadly classified into prophylactic and therapeutic vaccines. Prophylactic vaccines are used for the prevention of cancer, whereas therapeutic vaccines are used for treatment of the disease. Analysts forecast the North America cancer vaccines market to grow at a CAGR of 12-20% over the period 2015-2020. The North America market is currently estimated to be valued at USD 1405 million for the year 2015.

The market for cancer vaccines is much smaller than other cancer therapeutic categories. The size of the market can be attributed to the nascent stages of industry life cycle and the late introduction of the vaccines in the market. To tap this market, many companies from North America are actively investing in cancer vaccine development. The market penetration is expected to increase with the increase in competition among the various pharmaceutical companies to obtain a larger portion of this market.

The North America Cancer Vaccines Market is segmented based on:

- Technology
  - Subunit Vaccines
  - Live Attenuated Vaccines
  - Conjugate Vaccines
  - Inactivated Vaccines
  - Recombinant Vector Vaccines
  - Toxoid Vaccines
  - Synthetic Vaccines
  - Dendritic Cell Vaccines
- Type
  - Preventive Vaccines
  - Therapeutic Vaccines
- Disease Indication
  - Cervical cancer
  - Others
- End user
  - Pediatrics
  - Adults
- Geography
  - USA
  - Canada
  - Mexico

According to the World Health Organization, 14-million incidences of cancer and 8.2-million cancer deaths were recorded in 2012. Lung, prostate, colorectal, cervical, and breast cancers remain the most common forms of cancer. Thus, there is a rise in demand for vaccines to prevent and treat cancers.

North America dominates the market, with U.S. accounting for a major market share. However, it is poised to grow at the second highest CAGR during the forecast period owing to governmental initiatives, rising focus of major players on the Indian vaccine technology market, and increasing immunization initiatives by organizations such as World Health Organization and GAVI in these regions.

Some of the key participants in the industry include Prima BioMed, GlaxoSmithKline, Sanofi S.A, Merck, Aduro BioTech, AstraZeneca plc, OXFORD BIOMEDICA etc.

Drivers:

- Increasing cancer cases
- Technological developments
- Drug innovations with regard to the cancer
- Government initiatives
- Rise in aging populace
- Advanced health care services
- Upsurge in awareness about cancer and their available therapies in the market
- Increasing health care expenditure

Restraints:

- Cold chain, or temperature-controlled supply chain, management
- Low accessibility to vaccines in remote areas
- Stringent regulatory procedures

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