

# **Global mRNA therapeutics Market Size study, by Application (Rare genetic diseases, Oncology, Respiratory diseases, Infectious disease and others), By Type (Prophylactic Vaccines, Therapeutic Vaccines and Therapeutic Drugs), By End-User (Hospitals & Clinics, Research Organizations and Others) and Regional Forecasts 2022-2028**

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## **Abstracts**

Global mRNA therapeutics Market is valued at approximately USD XX Billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. RNA-based therapies have received a lot of interest in recent years, because of its excellent potential for treating chronic diseases. Furthermore, RNA vaccines have a lot of advantages over DNA vaccines in terms of production, dissemination, and safety. The need for mRNA vaccines and therapies has grown as a result of them showing promise in human clinical investigations. In addition, the popularity of the COVID-19 vaccines developed by Moderna and Pfizer-BioNTech has led to a sharp increase in the number of mRNA-based vaccine treatments being tested in oncology clinical trials. Additionally, 2021 saw the second-highest number of mRNA vaccination trials for cancer patients after the COVID-19 trials, which fueled the industry's expansion. This market expansion is being driven by the increased incidences of rare diseases including propionic acidemia, methylmalonic acidemia, glycogen disease, phenylketonuria, metabolic and immunological disorders as well as chronic diseases like cancer, heart disease, pulmonary, CKD, and others. For instance, according to Globocan, there were 10.6 million cancer-related deaths and 19.3 million new cases of cancer worldwide in December 2020. Additionally, the demand for mRNA vaccines and therapies rises due to the popularity of mRNA vaccines, the development of tailored cancer medicines, and a robust pipeline of new products, which spurs

industry growth over the course of the projected period. However, lack of skilled professionals is expected to hamper the market growth in the forthcoming period.

The key regions considered for the global mRNA therapeutics Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market, and over the projected period, it will grow at the quickest rate. The market in North America will be driven by the availability of sizable research funding, expanding federal programmes for RNA-based therapies, and rising number of clinical studies. For instance, Graham and others' basic research was supported by the National Institutes of Health (NIH), the Defense Department, and federally financed academic laboratories in November 2020. This assistance was a key factor in the rapid discovery of vaccines against COVID-19. The government has given vaccine producers an additional \$10.5 billion since the pandemic began in order to speed up the delivery of their goods.

Major market players included in this report are:

MODERNA, INC.

BIONTECH SE

CENTOGENE AG

ARCTURUS THERAPEUTICS

TRANSLATE BIO, INC.

GSK PLC.

ARGOS THERAPEUTICS INC.

SANGAMO THERAPEUTICS, INC.

AVROBIO, Inc.

PFIZER INC

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Application offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Rare genetic diseases

Oncology  
Respiratory diseases  
Infectious disease  
others  
By Type:  
Prophylactic Vaccines  
Therapeutic Vaccines  
Therapeutic Drugs  
By End-User:  
Hospitals & Clinics  
Research Organizations  
Others  
By Region:  
North America  
U.S.  
Canada  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global mRNA therapeutics Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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