

Global RNAi Therapeutics Market: Analysis By Molecule Type, By Application, By Region Size and Trends with Impact of COVID- 19 and Forecast up to 2026

March 2022



Global RNAi Therapeutics Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact of COVID

Dynamics

Competitive Landscape

Company Profiling

Global RNAi Therapeutics Market: Coverage

Scope of the Report

Attributes	Details
Title	Global RNAi Therapeutics Market: Analysis By Molecule Type, By Application, By Region Size and Trends with Impact of COVID-19 and Forecast up to 2026
Coverage	Global and Regional
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2026
Competition in the Market	Consolidated
Key Players	Moderna Inc., Alnylam Pharmaceuticals Inc., Ionis Pharmaceuticals Inc., and Silence Therapeutics Inc.

Global RNAi Therapeutics Market: Coverage

Executive Summary

RNA therapies are a novel class of ribonucleic acid-based pharmaceuticals. RNA therapeutics are classified into four types: messenger RNA (mRNA), antisense RNA (asRNA), RNA interference (RNAi), and RNA aptamers. Emphasizing on RNAi therapeutics, RNAi refers to the interference RNA that controls and manipulates protein translation in the cell. These RNAi are used to quiet certain genes that cause illnesses. At the moment, RNAi is gaining popularity due to its potential to provide a target-specific mechanism, resulting in better therapy results.

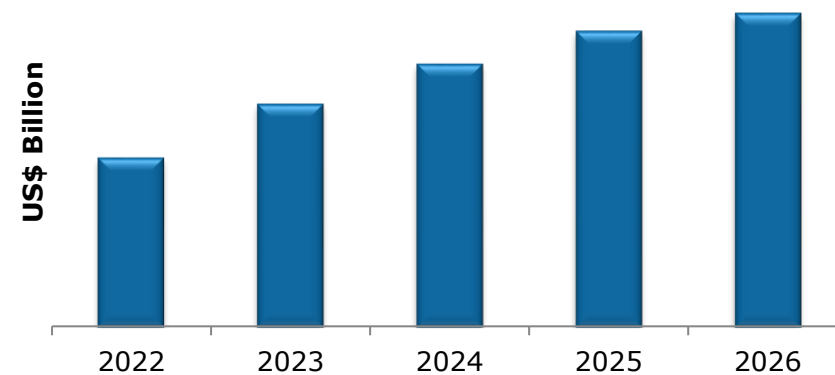
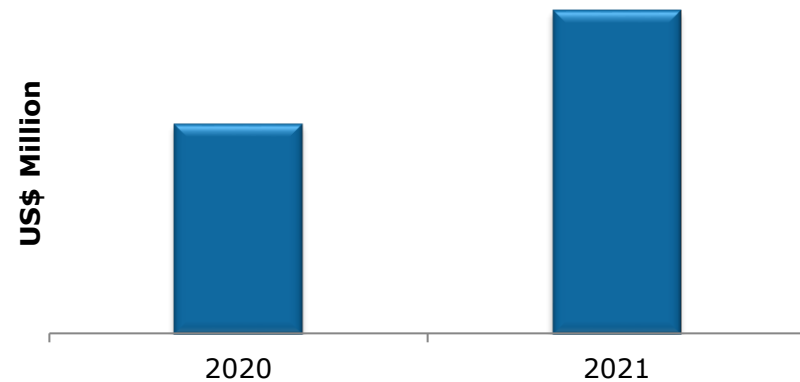
The RNAi therapeutics market can be segmented on the basis of molecule type (small interference RNA (siRNA), and micro RNA (miRNA)), and application (oncology, cardiovascular disorders, respiratory disorders, renal diseases, genetic disorders, neurodegenerative disorders, infectious diseases, and others).

While most of the industries worldwide suffered a negative impact of COVID-19, the RNAi therapeutics market witnessed a positive impact on it. Initially, the market witnessed a sudden spike in the demand, since the relevance of RNAi research in understanding the COVID-19 virus started growing mainly during the initial worldwide outbreak of COVID-19, in 2020. Later in the year 2020, the market witnessed several investments from both public and private investors in pharma R&D laboratories to conduct various studies and experiments to find out vaccines to prevent the spread of virus. Many pharmaceutical businesses are actively commercializing their medications in order to improve profits and attract additional investment capital.

The global RNAi therapeutics market has increased during the years 2020-2021 and projections are made that the market would rise in the next four years i.e. 2022-2026. The global RNAi therapeutics market is expected to increase due to significant increase in investment, increased prevalence of infectious diseases, rise in incidence of cancer, rising prevalence of diabetes, and rising genetic and metabolic disorders. Yet the market faces some challenges such as, high development cost of RNA interference-based drugs, stringent regulations and long product approval process, unstable potentially immunogenic nature of RNA, etc.

RNAi Therapeutics Market: Global Analysis

Global RNAi Therapeutics Market by Value



CAGR	
2022-2026	xx%

The Global RNAi therapeutics market valued at US\$.... million in 2021, increased as compared to US\$... million in 2020. Global RNAi therapeutics market is anticipated to reach up to US\$... billion by 2026, at a CAGR of%, from US\$... billion in 2022.

RNAi Therapeutics Market: Global Analysis

Global RNAi Therapeutics Market by Molecule Type; 2021



Molecule Type	Share
Small Interference RNA (siRNA)	xx%
Micro RNA (miRNA).	xx%

RNAi Therapeutics Market: Global Analysis

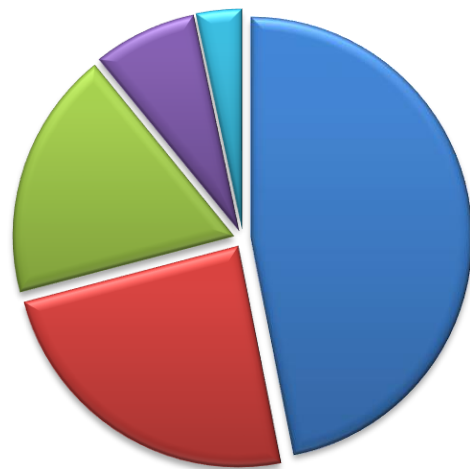
Global RNAi Therapeutics Market by Application; 2021



Application	Share
Oncology	xx%
Cardiovascular Disorders	xx%
Respiratory Disorders	xx%
Renal Diseases	xx%
Genetic Disorders	xx%
Neurodegenerative Disorders	xx%
Infectious Diseases	xx%
Others	xx%

RNAi Therapeutics Market: Regional Analysis

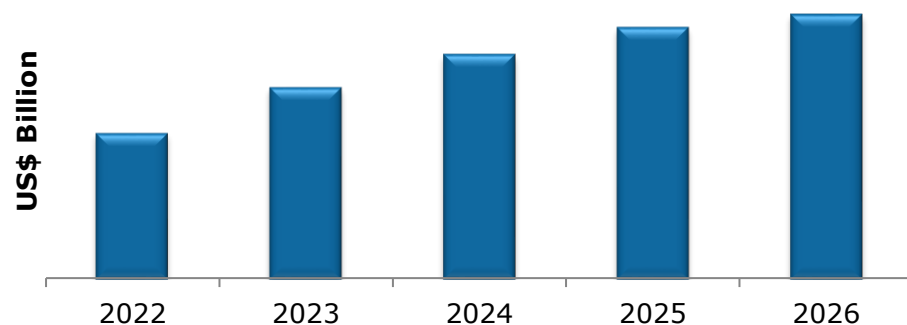
Global RNAi Therapeutics Market by Region; 2021



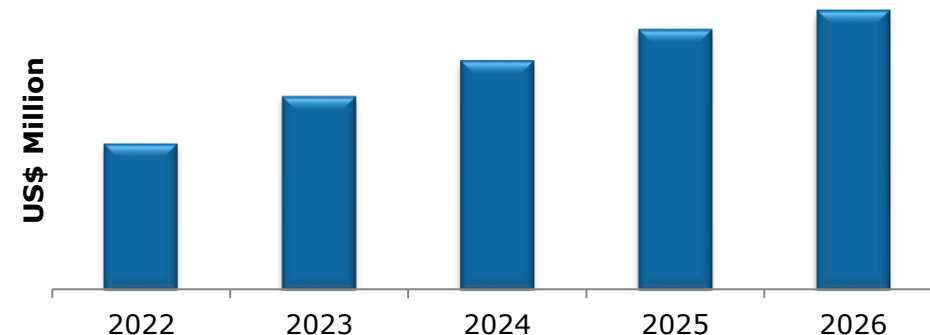
Region	Share
North America	xx%
Europe	xx%
Asia Pacific	xx%
Middle East & Africa	xx%
Latin America	xx%

Global RNAi Therapeutics Market: Molecule Type Analysis

Global Small Interfering RNAs (siRNA) Therapeutics Market By Value



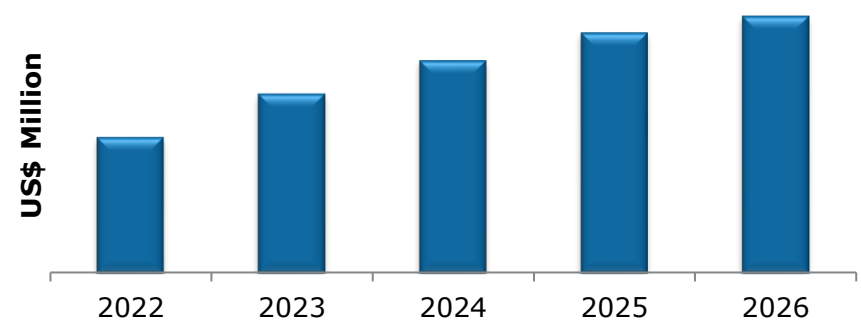
Global Micro RNAs (miRNA) Therapeutics Market By Value



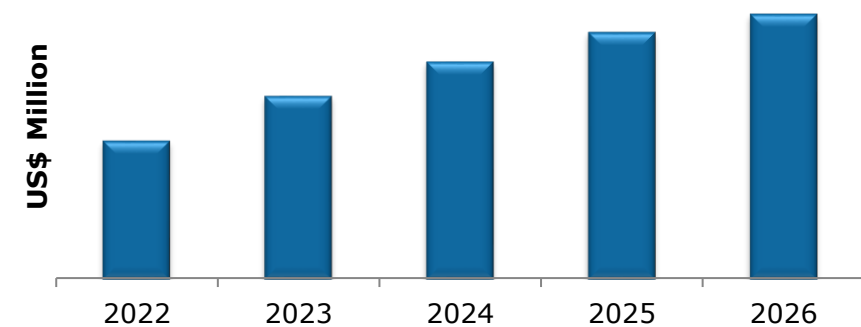
Molecule Type	CAGR
	2022-2026
Small Interference RNA (siRNA)	xx%
Micro RNA (miRNA).	xx%

Global RNAi Therapeutics Market: Application Analysis

Global Oncology RNAi Therapeutics Market by Value



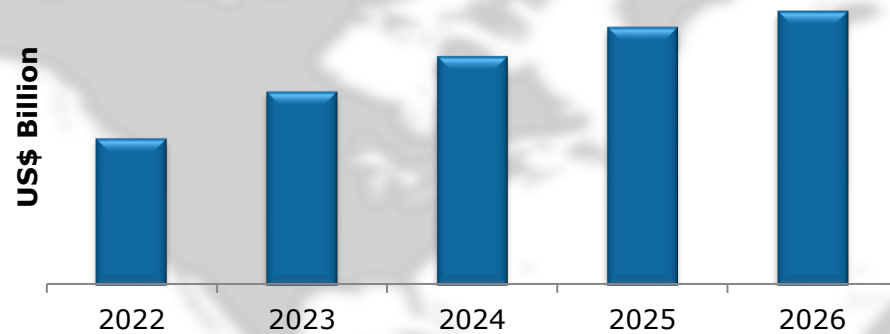
Global Cardiovascular Disorders RNAi Therapeutics Market by Value



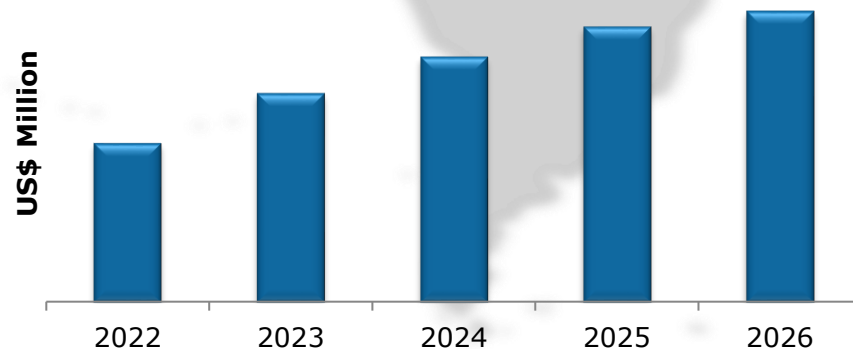
Application	CAGR
	2022-2026
Oncology	xx%
Cardiovascular Disorders	xx%
Respiratory Disorders	xx%
Renal Diseases	xx%
Genetic Disorders	xx%
Neurodegenerative Disorders	xx%
Infectious Diseases	xx%
Others	xx%

RNAi Therapeutics Market: Regional Analysis

North America RNAi Therapeutics Market by Value



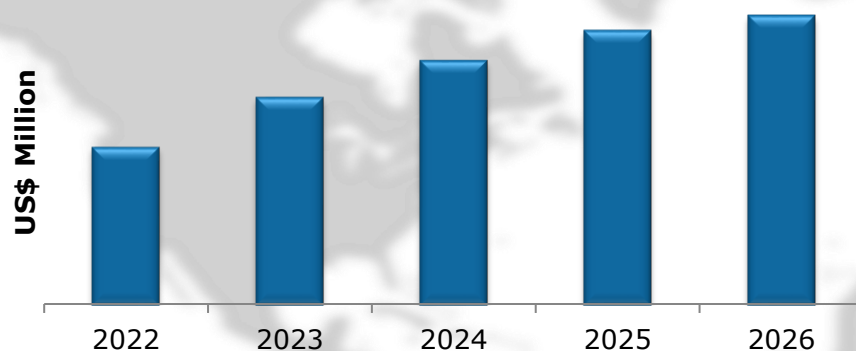
Europe RNAi Therapeutics Market by Value



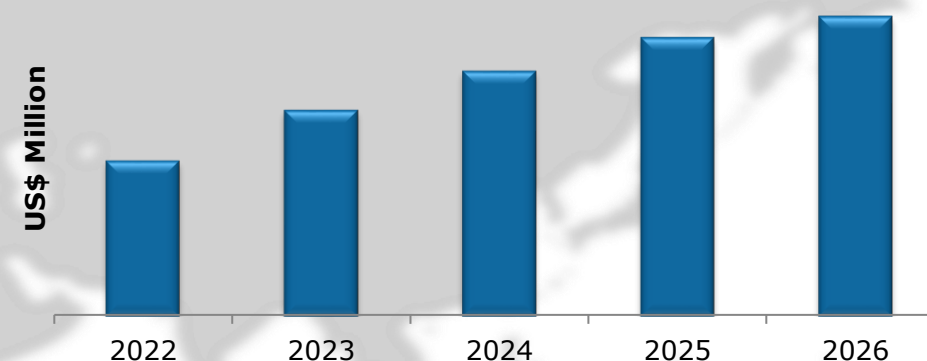
Region	CAGR
	2022-2026
North America	xx%
Europe	xx%
Asia Pacific	xx%
Middle East & Africa	xx%
Latin America	xx%

North America RNAi Therapeutics Market: Molecule Type Analysis

North America Small Interfering RNAs (siRNA) Therapeutics Market by Value



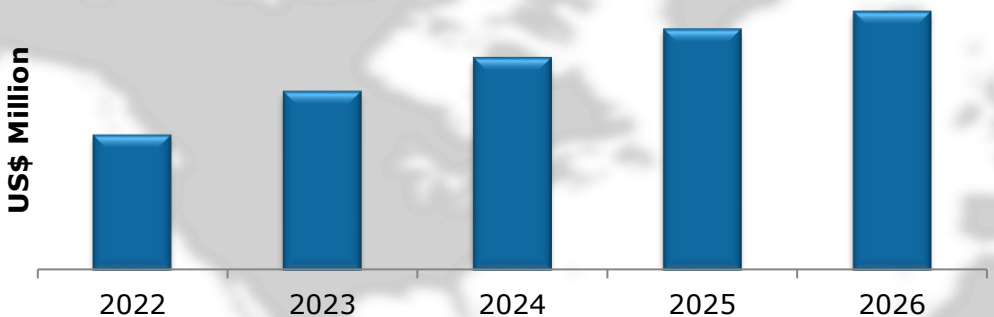
North America Micro RNAs (miRNA) Therapeutics Market by Value



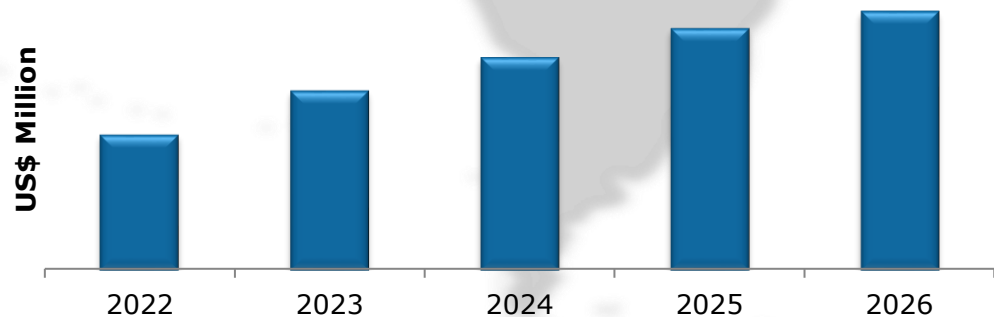
Molecule Type	CAGR
	2022-2026
Small Interference RNA (siRNA)	xx%
Micro RNA (miRNA).	xx%

North America RNAi Therapeutics Market: Application Analysis

North America Oncology RNAi Therapeutics Market by Value



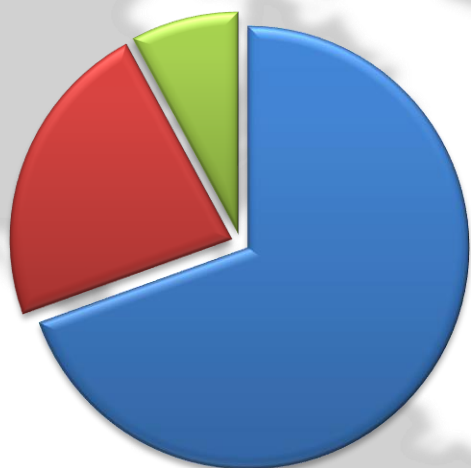
North America Cardiovascular Disorders RNAi Therapeutics Market by Value



Application	CAGR
	2022-2026
Oncology	xx%
Cardiovascular Disorders	xx%
Respiratory Disorders	xx%
Renal Diseases	xx%
Genetic Disorders	xx%
Neurodegenerative Disorders	xx%
Infectious Diseases	xx%
Others	xx%

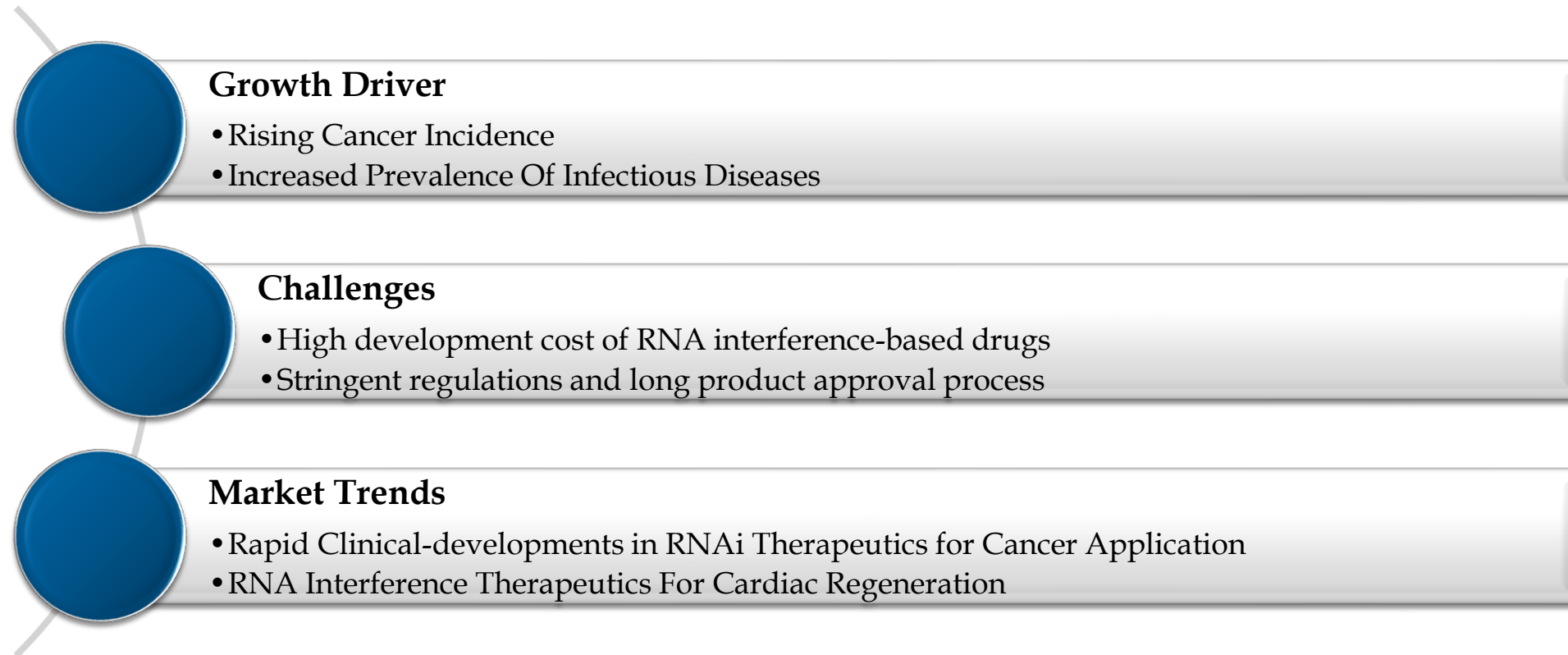
RNAi Therapeutics Market: North America Analysis

North America RNAi Therapeutics Market by Region;
2021



Sub- Regions	Share	CAGR (2022-2026)
The US	xx%	xx%
Canada	xx%	xx%
Mexico	xx%	xx%

Global RNAi Therapeutics Market: Dynamics



Global RNAi Therapeutics Market: Competitive Landscape

Players Profiled

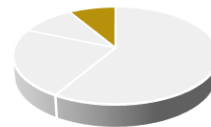
- Moderna Inc.



- Alnylam Pharmaceuticals Inc.



- Ionis Pharmaceuticals Inc.



- Silence Therapeutics Inc.



Note: The graphs on this slide are only for sample representation.