

# North America Human Microbiome Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

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## Abstracts

The North American human microbiome market is projected to grow significantly, reaching approximately USD 2,811.82 million by 2031, up from USD 654.89 million in 2023, reflecting a compound annual growth rate (CAGR) of 20.0% from 2023 to 2031.

### Executive Summary and Market Analysis

North America stands as the leading region for epigenetics and microbiome research, with the United States commanding the largest market share, followed by Canada. The growth of the human microbiome market in this region is driven by several factors, including extensive research initiatives, increased funding for biotechnology, heightened health awareness among consumers, and a growing demand for probiotics and prebiotics aimed at managing chronic diseases. Additionally, there is a strong emphasis on developing microbiome-based therapeutics, an increase in relevant conferences, and the presence of key local players, all of which are expected to enhance market growth and revenue generation.

### Market Segmentation Analysis

The North American human microbiome market can be segmented by type, application, and disease type:

- Type: The market is divided into products and software/services, with products holding a larger market share in 2023. The product segment is further categorized into probiotics and prebiotics.
- Application: The market is segmented into therapeutics, diagnostics, and research, with therapeutics dominating the market share in 2023.

- Disease Type: The market is classified into categories such as obesity, diabetes, autoimmune disorders, cancer, gastrointestinal (GIT) issues, and others, with GIT issues leading the market in 2023.

## **Market Outlook**

Government initiatives and support programs play a crucial role in the growth of the human microbiome market. Substantial funding and grants are often allocated for microbiome research, which accelerates the development of new treatments, devices, and diagnostics. For example, the National Institutes of Health (NIH) has committed USD 115 million over five years to support the Human Microbiome Project, which aims to enhance understanding of human health and improve disease prevention, diagnosis, and treatment. Such funding fosters innovation and commercialization, particularly for startups and small-to-medium enterprises (SMEs) in the microbiome sector. Furthermore, the establishment of regulatory frameworks for microbiome-based products can streamline the introduction of new treatments, ensuring safety and efficacy, which in turn boosts consumer confidence and market acceptance.

## **Country Insights**

The North American human microbiome market includes the United States, Canada, and Mexico, with the US holding the largest market share in 2023. The application of microbiome research is rapidly expanding within biotechnology, emerging as a vital therapeutic approach for various chronic diseases. This has led to increased private investment and advancements in environmental microbiome engineering. Over the past decade, the US has invested around USD 1 billion in human microbiome research, with approximately 20% of this funding directed towards the Human Microbiome Project (HMP). Launched in 2007, the HMP aims to create essential research resources for studying the human microbiome, resulting in significant contributions to microbiome research and therapy development.

## **Recent Developments**

The demand for human microbiome therapeutics in the US is further fueled by product launches and regulatory approvals. For instance, in November 2022, Ferring Pharmaceuticals received FDA approval for REBYOTA, a first-in-class microbiota-based live biotherapeutic designed to prevent recurrent *Clostridioides difficile* infections in adults following antibiotic treatment.

## Company Profiles

Key players in the human microbiome market include MaaT Pharma, Ferring Holdings SA, AOBiome Therapeutics Inc, Finch Therapeutics Group Inc, Seres Therapeutics Inc, Merck & Co Inc, Rebiotix, Inc., Yakult Honsha Co., Ltd., IFF Nutrition & Biosciences, and Synthetic Biologics, Inc. These companies are pursuing various strategies such as market expansion, product innovation, and mergers and acquisitions to enhance their offerings and increase market share.

## Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the North America human microbiome market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the North America human microbiome market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth North America market trends and outlook coupled with the factors driving the North America human microbiome market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

## Companies

MaaT Pharma

Ferring Holdings SA

AOBiome Therapeutics Inc

Finch Therapeutics Group Inc

Seres Therapeutics Inc

Merck & Co Inc

Rebiotix, Inc.

Yakult Honsha Co., Ltd.

IFF Nutrition & Biosciences

Synthetic Biologics, Inc.

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