+357 96 030922
info@marketpublishers.com

Global Human Milk Oligosaccharides (HMO) Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G179A58BF52AEN.html
Date: January 2026
Pages: 98
Price: US$ 4,480.00 (Single User License)
ID: G179A58BF52AEN

Abstracts

The global Human Milk Oligosaccharides (HMO) market size is expected to reach $ 3941 million by 2032, rising at a market growth of 24.0% CAGR during the forecast period (2026-2032).

Human Milk Oligosaccharides (HMO) are a class of complex carbohydrates naturally found in human breast milk. They are composed of multiple sugar units linked by glycosidic bonds. HMOs are one of the most abundant components in human milk after fat, protein, and lactose, and their concentration is significantly higher in human milk compared to other mammals. HMOs play a crucial role in infant health, serving as prebiotics that promote the growth of beneficial bacteria, such as bifidobacteria, helping to establish a healthy gut microbiome and enhance immune system function.

HMOs vary in structure, including monosaccharides, disaccharides, trisaccharides, and longer polysaccharide chains. Different types of HMOs have distinct biological functions, helping to combat pathogen invasion, reduce inflammation, and support brain development. While HMOs are primarily found in human milk, advances in technology have made it possible to extract and synthesize these oligosaccharides through fermentation and chemical processes for use in commercial products like infant formula, functional foods, and health supplements.

With ongoing research into the benefits of HMOs in infant health and other wellness applications, the demand for human milk oligosaccharides has been steadily increasing, particularly in infant formula and adult prebiotic foods.

Market Development Opportunities and Key Drivers:

+357 96 030922
info@marketpublishers.com

As consumer awareness of health increases, especially in regard to infant health, the market for human milk oligosaccharides (HMOs) is experiencing significant growth opportunities. In recent years, extensive research on the role of HMOs in infant health has led more infant formula manufacturers to incorporate HMOs into their products to support immune function and gut health. Additionally, HMOs have shown potential in adult health applications, particularly in maintaining gut microbiome balance and enhancing immune function, opening new growth avenues for the market. As the global population ages and the demand for functional foods rises, there is also growing demand for prebiotic products targeting adults.

Market Risks:

Despite the promising outlook for the HMO market, there are several risks. First, the production of HMOs is complex and costly, which may hinder product accessibility and price competitiveness. Second, the HMO supply chain is intricate, involving multiple stages such as raw material extraction and fermentation. Any technological challenges or disruptions in production could affect the stability of the entire supply chain. Moreover, global regulatory and standard differences may pose challenges to market expansion, particularly in terms of varying regulatory policies and certification requirements in different countries.

Market Concentration:

Currently, the HMO production market is relatively concentrated, with several leading biotech and pharmaceutical companies dominating the industry. These companies have advanced fermentation and biosynthesis technologies that enable large-scale production while maintaining high quality. However, as technology advances and the market expands, more small and medium-sized enterprises are expected to enter the market, fostering competition and innovation.

Downstream Demand Trends:

The downstream demand for HMOs is mainly concentrated in infant formula, prebiotic foods and supplements, and personalized nutrition products. As consumers increasingly demand personalized and functional nutrition products, the market for HMOs as a functional ingredient will continue to grow. Additionally, the potential for HMOs in aging populations is being recognized, particularly for supporting gut health and immune systems in elderly individuals.

+357 96 030922
info@marketpublishers.com

Latest Technologies:

The production technology for HMOs is continually evolving, with innovations in fermentation and biosynthesis reducing production costs. Furthermore, the application of genetic engineering and synthetic biology has opened up possibilities for customized HMO production, allowing for optimized efficiency and yields through genetically modified microorganisms.

This report studies the global Human Milk Oligosaccharides (HMO) demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Human Milk Oligosaccharides (HMO), and provides market size (US$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Human Milk Oligosaccharides (HMO) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Human Milk Oligosaccharides (HMO) total market, 2021-2032, (USD Million)

Global Human Milk Oligosaccharides (HMO) total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Human Milk Oligosaccharides (HMO) total market, key domestic companies, and share, (USD Million)

Global Human Milk Oligosaccharides (HMO) revenue by player, revenue and market share 2021-2026, (USD Million)

Global Human Milk Oligosaccharides (HMO) total market by Type, CAGR, 2021-2032, (USD Million)

Global Human Milk Oligosaccharides (HMO) total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Human Milk Oligosaccharides (HMO) market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies

+357 96 030922
info@marketpublishers.com

covered as a part of this study include Abbott, Inbiose, Glycom, Chr. Hansen (Jennewein), Elicityl SA, ZuChem, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Human Milk Oligosaccharides (HMO) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Human Milk Oligosaccharides (HMO) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Human Milk Oligosaccharides (HMO) Market, Segmentation by Type:

2'-FL & 3-FL

+357 96 030922
info@marketpublishers.com

LNT & LNnT, etc.

Global Human Milk Oligosaccharides (HMO) Market, Segmentation by Application:

Infant Formula

Others

Companies Profiled:

Abbott

Inbiose

Glycom

Chr. Hansen (Jennewein)

Elicityl SA

ZuChem

Key Questions Answered
1. How big is the global Human Milk Oligosaccharides (HMO) market?
2. What is the demand of the global Human Milk Oligosaccharides (HMO) market?
3. What is the year over year growth of the global Human Milk Oligosaccharides (HMO) market?

4. What is the total value of the global Human Milk Oligosaccharides (HMO) market?

5. Who are the Major Players in the global Human Milk Oligosaccharides (HMO) market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

5 MARKET ANALYSIS BY TYPE

6 MARKET ANALYSIS BY APPLICATION

+357 96 030922
info@marketpublishers.com

7 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Human Milk Oligosaccharides (HMO) Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G179A58BF52AEN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G179A58BF52AEN.html