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Alpha-1 Antitrypsin Deficiency Market - A Global and Regional Analysis: Focus on Treatment, Distribution Channel, and Regional Analysis - Analysis and Forecast, 2025-2035

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Abstracts

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This report will be delivered in 7-10 working days.Industry Overview

The global alpha-1 antitrypsin deficiency (AATD) market is experiencing growth, fueled by advances in diagnosis, treatment options, and increasing awareness of the condition. AATD is a genetic disorder where the body produces insufficient alpha-1 antitrypsin, a protein that protects the lungs and liver. Its deficiency can lead to chronic obstructive pulmonary disease (COPD), emphysema, and liver cirrhosis. The condition often remains underdiagnosed, which presents an opportunity for early detection and intervention.

The primary treatment for AATD is augmentation therapy, which involves the infusion of AAT protein to restore deficient levels in the bloodstream. This therapy is designed to protect the lungs and slow the progression of emphysema. Other treatment options include symptomatic management, such as bronchodilators and corticosteroids. Research continues to explore gene therapies and novel treatments to better address the underlying genetic causes of AATD.

The market is expanding due to rising awareness about AATD, improvements in diagnostic tools, and innovations in treatment options. Key drivers include the increasing prevalence of the disease, particularly in older populations, and the growing availability of specialized therapies. However, challenges such as high treatment costs

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and the need for long-term care remain significant factors impacting the global alpha-1 antitrypsin deficiency market growth.

In summary, the global alpha-1 antitrypsin deficiency market is poised for growth, with a strong focus on improving diagnostic accuracy and providing effective treatments, offering significant opportunities for stakeholders in the healthcare and pharmaceutical industries.

Impact

Increasing demand for Alpha-1 Antitrypsin Deficiency therapies is anticipated to support the growth of the global alpha-1 antitrypsin deficiency market during the forecast period 2025-2035.

The global alpha-1 antitrypsin deficiency market is expected to grow at a significant rate due to advancements in diagnostic technologies, the development of innovative therapies, and increasing awareness among patients and healthcare providers.

Market Segmentation:

Segmentation 1: by Treatment

Augmentation Therapy

Bronchodilators

Corticosteroids

Oxygen Therapy

Segmentation 2: by Distribution Channel

Hospitals Pharmacy

Retail Pharmacies

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Online Pharmacies

Segmentation 3: by Region

North America

Europe

Asia-Pacific

Rest-of-the-World

The North America alpha-1 antitrypsin deficiency market is expected to lead globally due to advanced healthcare infrastructure, high awareness, and significant research investments. The market is primarily driven by augmentation therapy, which involves the administration of alpha-1 proteinase inhibitors to manage disease progression. Enhanced genetic testing and early diagnosis have improved treatment outcomes. Hospitals and specialty clinics serve as key treatment settings, offering specialized care. The region's favorable reimbursement policies and commitment to research and development further support market growth, positioning North America as a dominant force in the global alpha-1 antitrypsin deficiency treatment landscape.

Recent Developments:

Regulatory Activities: In March 2025, Beam Therapeutics announced that the U.S. FDA cleared its Investigational New Drug (IND) application for BEAM-302, a base-editing therapy for AATD. This marks the first clinical advancement of a base-editing approach for AATD, with initial Phase 1/2 trial data showing promising results in correcting the PiZ mutation associated with the disease.

Regulatory Activities: In February 2025, Grifols completed enrollment of the second cohort in its Phase 1/2 study for Alpha-1 15%, a subcutaneous AATD treatment. This development could provide patients with a more convenient administration option, enhancing treatment adherence and quality of life.

Acquisition: In May 2024, Sanofi completed its acquisition of Inhibrx, Inc., gaining control of INBRX-101, a recombinant human AAT-Fc fusion protein

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under development for AATD treatment. INBRX-101 aims to normalize serum AAT levels with less frequent dosing, potentially offering a significant advancement in AATD therapy.

Demand – Drivers and Limitations

The following are the drivers for the global alpha-1 antitrypsin deficiency market:

Increasing Awareness and Early Diagnosis

Advancements in Treatment Options

The global alpha-1 antitrypsin deficiency market is expected to face some limitations too, due to the following challenges:

High Treatment Costs

Limited Awareness in Emerging Markets

How Can This Report Add Value to an Organization?

Product/Innovation Strategy: Product launches and innovations in the global alpha-1 antitrypsin deficiency market are focused on advancing treatment options to improve patient care. These innovations aim to enhance the efficacy of therapies and streamline the detection and management of the disease. Key players in the global alpha-1 antitrypsin deficiency market, such as Grifols, CSL Behring, Takeda, GlaxoSmithKline plc, and Pfizer Inc., have been involved in offering of therapies for alpha-1 antitrypsin deficiency.

Competitive Strategy: Enterprises led by market leaders in the global alpha-1 antitrypsin deficiency market are continuously working on updating their product portfolios with innovative treatments to maintain competitiveness. A detailed competitive benchmarking of the key players in the global alpha-1 antitrypsin deficiency market has been conducted, providing insights into how these companies compare in terms of product offerings, market share, and innovation. This benchmarking provides readers with a clear understanding of the market landscape and the positions of the leading

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players. Additionally, comprehensive competitive strategies, such as partnerships, agreements, and collaborations, will help readers identify untapped revenue opportunities in the global alpha-1 antitrypsin deficiency market.

Some of the prominent names established in this market are:

Grifols

CSL Behring

Takeda Pharmaceuticals

LFB Biotechnologies

GlaxoSmithKline plc

AstraZeneca

Merck

Pfizer Inc.

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