Pulmonary Drug Delivery Devices Market Outlook Signals Expansion To $71.89 Billion Through 2030

The Business Research Company's Pulmonary Drug Delivery Devices Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035

The Business Research Company

LONDON, GREATER LONDON, UNITED KINGDOM, August 25, 2026 /EINPresswire.com/ -- "The market for pulmonary drug delivery devices has experienced significant growth in recent years, reflecting the increasing need for effective respiratory treatments. This sector is evolving rapidly due to advancements in technology and rising awareness about respiratory health. Let's explore the current market size, the key factors propelling its expansion, regional outlook, and the major trends shaping its future.

Pulmonary Drug Delivery Devices Market Size and Growth Outlook
The market for pulmonary drug delivery devices is on a strong upward trajectory. It is projected to increase from $52.8 billion in 2025 to $56.49 billion in 2026, indicating a compound annual growth rate (CAGR) of 7.0%. The growth witnessed during the past years can be credited to the rising prevalence of respiratory diseases, greater use of inhalation therapies, expansion of treatment programs for asthma and COPD, advancements in inhaler design, and growing awareness about pulmonary drug delivery methods. Looking ahead, this market is forecasted to reach $71.9 billion by 2030, growing at a CAGR of 6.2%. This anticipated growth is driven by factors such as increasing demand for personalized respiratory care, wider adoption of digital health-integrated inhalers, the growth of home-based respiratory treatments, emphasis on non-invasive drug delivery, and ongoing innovations in inhalation technologies.

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Key Drivers Boosting the Pulmonary Drug Delivery Devices Market
A major factor stimulating the pulmonary drug delivery devices market is the rising incidence of respiratory disorders worldwide. These conditions, which affect the lungs and airways, are

becoming more common due to factors such as increasing air pollution, higher smoking rates, urbanization, climate change, and an aging global population. Pulmonary devices enable direct delivery of medication to the lungs, making them critical in managing these diseases effectively.

For instance, a December 2023 study published by JAMA Network Open highlighted that chronic obstructive pulmonary disease (COPD) cases globally could reach almost 600 million by 2050, a 23% increase in prevalence. This growing disease burden directly supports the expansion of the pulmonary drug delivery devices market.

View the full pulmonary drug delivery devices market report:
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Emerging Trends Shaping Future Growth in Pulmonary Drug Delivery
One notable trend is the rising use of smart and connected inhaler devices, which offer enhanced monitoring and adherence support for patients. These digital health-integrated devices are becoming increasingly popular as they provide real-time data and improve treatment outcomes.

Additionally, there is a growing preference for targeted pulmonary drug delivery methods, including the adoption of mesh and ultrasonic nebulizers and combination drug-device products. Innovations in these technologies are helping to make treatments more efficient and patient-friendly, which is further propelling market growth.

Regional Market Overview With North America Leading
In 2025, North America held the largest share of the global pulmonary drug delivery devices market. The comprehensive market analysis includes key geographical regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, South America, Middle East, and Africa. While North America dominates currently, other regions are expected to see substantial growth opportunities as healthcare infrastructure improves and respiratory disease management advances globally.

Understanding Pulmonary Drug Delivery Devices and Their Applications
Pulmonary drug delivery devices are specialized inhalation tools designed to deliver medicines directly into the lungs. They are primarily used to treat respiratory conditions such as asthma and COPD but also enable systemic absorption of certain drugs, including insulin and pain relief medications. By targeting drug delivery to the lungs, these devices provide faster and more effective treatment options for patients with respiratory and systemic conditions.

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