

# **Bacterial Pneumonia Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Community-Acquired Pneumonia (CAP), Hospital-Acquired Pneumonia (HAP)), By Treatments (Vaccines, Drugs), By Route of Administration (Oral, Subcutaneous, Other), By Distribution Channel (Hospital Pharmacies, Retail Pharmacies, Online Pharmacies) By Region & Competition, 2021-2031F**

<https://marketpublishers.com/r/BE01B64C0095EN.html>

Date: May 2026

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: BE01B64C0095EN

## **Abstracts**

The Global Bacterial Pneumonia Market is projected to expand significantly, rising from USD 2.64 Billion in 2025 to USD 4.02 Billion by 2031, demonstrating a compound annual growth rate (CAGR) of 7.26%. This market addresses bacterial pneumonia, a serious lower respiratory infection often caused by *Streptococcus pneumoniae*, leading to inflammation and fluid in the lung's air sacs. Key growth catalysts include the increasing global elderly population, who are more susceptible to infections due to weakened immune systems, and the rising incidence of chronic respiratory conditions like COPD. Data from the American Lung Association in 2025 indicated that adults aged 65 and above were over ten times more likely to require hospitalization for pneumococcal pneumonia compared to those aged 18 to 49, highlighting an urgent need for effective treatments in older populations. Furthermore, strong government policies supporting national immunization programs are fundamental to maintaining demand for preventive solutions. However, the market faces a substantial challenge from the swift rise of antimicrobial resistance, as multidrug-resistant bacteria diminish the effectiveness of conventional antibiotics, complicating patient care and mandating substantial investment in new drug development, thereby hindering overall market growth.

## Market Driver

A key driver for the Global Bacterial Pneumonia Market is the intensification of worldwide immunization and vaccination campaigns, significantly boosted by the development of next-generation conjugate vaccines offering broader protection against various serotypes. Regulatory agencies are fast-tracking approvals for these advanced biological products to close existing gaps in both adult and pediatric defense against aggressive bacterial strains. For example, Merck reported in June 2024 that the U.S. FDA approved a new 21-valent conjugate vaccine, CAPVAXIVE, specifically targeting serotypes responsible for roughly 84% of invasive pneumococcal disease in individuals aged 50 and older. This commitment to improved preventive care is also evident in widespread international deployment, with the World Health Organization's July 2024 report on Immunization Coverage indicating that global coverage for the third dose of pneumococcal conjugate vaccine reached an estimated 65% by the end of 2023, reflecting ongoing efforts to lessen the disease burden through extensive vaccination. Simultaneously, the increasing global prevalence of bacterial pneumonia, particularly with the post-pandemic resurgence of respiratory pathogens, is fueling demand for both treatment and diagnostic tools. Healthcare systems are experiencing a significant surge in patient numbers, especially among susceptible younger groups, necessitating greater supplies of antibiotics and hospital infrastructure, which in turn drives market expansion and helps mitigate the challenges presented by antimicrobial resistance.

## Market Challenge

Antimicrobial resistance poses a direct impediment to the growth of the Global Bacterial Pneumonia Market, significantly undermining the clinical effectiveness and commercial future of existing pharmaceutical treatments. As bacterial pathogens increasingly develop resistance to standard first-line antibiotics, the market is confronted with a severe efficacy challenge, rendering many inexpensive, high-volume generic drugs ineffective. This loss of effectiveness creates considerable market volatility, compelling healthcare providers to forsake established treatment guidelines in favor of alternative therapies, which are frequently less available or carry greater toxicity risks. Consequently, the market becomes fragmented, with the frequent failure of standard drugs discouraging consistent prescription volumes and thereby impeding the sector's overall expansion. The severity of this challenge is evident in recent surveillance data concerning major respiratory pathogens; for instance, the World Health Organization reported in 2025 that global resistance to third-generation cephalosporins in *Klebsiella pneumoniae*, a bacterium commonly linked to severe

pneumonia, surpassed 55%. Such high resistance levels dramatically shrink the potential market for traditional antibiotic categories, forcing the industry to reallocate resources towards risky research into new compounds instead of enhancing existing treatments, thus forming a bottleneck that obstructs the steady advancement of the Global Bacterial Pneumonia Market.

## **Market Trends**

The integration of Artificial Intelligence (AI) into pneumonia imaging and detection is significantly advancing diagnostic accuracy, effectively addressing the inherent human challenges in interpreting intricate radiographs. Sophisticated algorithms can now discern nuanced patterns indicative of pathogen-induced changes, enabling quicker and more precise therapeutic interventions. For instance, a New Atlas article from January 2025 highlighted a new AI model achieving 96.57% diagnostic accuracy, considerably surpassing conventional techniques in distinguishing pneumonia from other respiratory ailments. This technological validation is accelerating the adoption of AI tools into clinical practices, where they function as dependable second readers, thereby minimizing diagnostic inaccuracies and improving resource allocation in busy healthcare environments. Simultaneously, the growing adoption of syndromic panel testing for respiratory pathogens is fundamentally transforming clinical management by facilitating the swift differentiation of co-occurring viral and bacterial infections. This trend involves moving from single-pathogen tests to multiplexed molecular assays, which streamline patient assessment during periods of high respiratory illness. As reported by Cepheid in January 2025, the company obtained FDA approval for a rapid molecular test that can simultaneously identify four different viral targets, including SARS-CoV-2 and influenza, from a single sample. The use of these comprehensive panels shortens diagnosis times, reduces inappropriate antibiotic prescriptions, and refines isolation procedures in healthcare settings.

## **Key Market Players**

Innoviva Inc

Pfizer Inc.

Merck & Co., Inc.

Melinta Therapeutics LLC

Evopoint Biosciences

Aridis Pharmaceuticals Inc.

Cumberland Pharmaceuticals Inc.

Eagle Pharmaceuticals, Inc.

Clarametyx Biosciences

Basilea Pharmaceutica Ltd

## Report Scope

In this report, the Global Bacterial Pneumonia Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Bacterial Pneumonia Market, By Type

Community-Acquired Pneumonia (CAP)

Hospital-Acquired Pneumonia (HAP)

Bacterial Pneumonia Market, By Treatments

Vaccines

Drugs

Bacterial Pneumonia Market, By Route of Administration

Oral

Subcutaneous

Other

## Bacterial Pneumonia Market, By Distribution Channel

Hospital Pharmacies

Retail Pharmacies

Online Pharmacies

## Bacterial Pneumonia Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

### **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Bacterial Pneumonia Market.

### **Available Customizations:**

Global Bacterial Pneumonia Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### **Company Information**

Detailed analysis and profiling of additional market players (up to five).

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