

Digital Respiratory Devices Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Smart Inhalers & Nebulizers, Sensors & Apps, Others), By Indication (Asthma, COPD, Others), By Distribution Channel (Hospital Pharmacies, Retail Pharmacies, Online Pharmacies), By Region & Competition, 2021-2031F

<https://marketpublishers.com/r/DC7FAA441A6EEN.html>

Date: May 2026

Pages: 182

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

ID: DC7FAA441A6EEN

Abstracts

The Global Digital Respiratory Devices Market is set for substantial growth, projected to increase from USD 44.98 Billion in 2025 to USD 81.09 Billion by 2031, achieving a 10.32% CAGR. This market includes smart inhalers, nebulizers, and spirometers that integrate sensors and connectivity to monitor medication adherence and lung physiology. Key drivers include the rising prevalence of chronic respiratory conditions and the growing demand for remote patient monitoring, which facilitates timely medical interventions. In 2025, chronic respiratory diseases affected 81.7 million people in the WHO European Region, highlighting the critical need for advanced management tools. However, significant challenges like the high cost of developing and acquiring these connected technologies, coupled with limited reimbursement frameworks, could hinder market expansion, making these devices unaffordable for many and restricting their adoption in regions with limited healthcare funding. This financial barrier remains a major obstacle to widespread global implementation.

Market Driver

The increasing global incidence of asthma and COPD is a primary driver for the Digital Respiratory Devices Market, creating a strong demand for advanced disease management tools like smart inhalers to prevent exacerbations. This demand is further

amplified by worsening environmental conditions; for instance, 131 million people in the U.S. live with unhealthy air pollution levels, increasing respiratory risks. Concurrently, the rise of remote patient monitoring (RPM) and telehealth solutions is transforming care delivery by enabling real-time data transmission via IoT connectivity, allowing personalized treatment adjustments without frequent hospital visits. This shift facilitates proactive interventions, improving patient adherence and clinical outcomes. The widespread adoption of connected devices, with over 26 million deployed globally by ResMed, underscores the established infrastructure for value-based care, making digital respiratory devices integral to modern medicine.

Market Challenge

A major impediment to market expansion is the substantial capital required for the development and procurement of connected respiratory technologies. Manufacturers face high research and engineering costs, which translate into elevated retail prices for smart inhalers and monitoring devices. Furthermore, the lack of comprehensive reimbursement policies in many regions forces patients to pay out-of-pocket, making these advanced solutions difficult for healthcare systems, especially in economically constrained areas, to justify over less expensive traditional alternatives. This economic barrier directly limits the uptake and market penetration of digital solutions, exacerbating the already high financial strain on patients with respiratory conditions. For example, asthma patients incurred annual medical expenses \$3,266 higher than individuals without the condition in 2025, making the additional cost of unsubsidized digital devices prohibitive and stalling global market growth.

Market Trends

Strategic collaborations between pharmaceutical companies and medical technology firms are fundamentally reshaping the market by moving towards co-development models that bundle medication with digital connectivity. These partnerships allow pharmaceutical companies to utilize sensor technologies for enhanced adherence tracking, while device manufacturers gain access to broader patient networks and distribution channels. This synergistic approach validates the commercial viability of connected ecosystems, as evidenced by companies like Adherium, which surpassed its 2025 shipment milestones by delivering 4,666 connected devices, confirming rising demand for integrated monitoring solutions. Simultaneously, the development of eco-friendly and sustainable device designs is gaining significant momentum. This trend is driven by increasing regulatory pressure to decarbonize respiratory care, leading to the engineering of inhalers with low-global-warming-potential propellants and reusable

components. Corporations are actively investing in green innovation to align with global ESG mandates, with Chiesi Farmaceutici, for example, developing a Carbon Minimal Inhaler designed to reduce propellant gas emissions by up to 90% compared to traditional devices.

Key Market Players

COHERO Health Inc.

Cognita Labs llc

Adherium Limited

Amiko Digital Health Limited

Teva Pharmaceuticals Industries Ltd.

Propeller Health

Novartis AG

Pneuma Respiratory Inc.

3M Health Care Limited

AireHealth, Inc.

Report Scope

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

Digital Respiratory Devices Market, By Product

Smart Inhalers & Nebulizers

Sensors & Apps

Others

Digital Respiratory Devices Market, By Indication

Asthma

COPD

Others

Digital Respiratory Devices Market, By Distribution Channel

Hospital Pharmacies

Retail Pharmacies

Online Pharmacies

Digital Respiratory Devices 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 Digital Respiratory Devices Market.

Available Customizations:

Global Digital Respiratory Devices Market report with the given market data, TechSci

Digital Respiratory Devices Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented...

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).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL DIGITAL RESPIRATORY DEVICES MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Product (Smart Inhalers & Nebulizers, Sensors & Apps, Others)
 - 5.2.2. By Indication (Asthma, COPD, Others)
 - 5.2.3. By Distribution Channel (Hospital Pharmacies, Retail Pharmacies, Online Pharmacies)

- 5.2.4. By Region
- 5.2.5. By Company (2025)
- 5.3. Market Map

6. NORTH AMERICA DIGITAL RESPIRATORY DEVICES MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Product
 - 6.2.2. By Indication
 - 6.2.3. By Distribution Channel
 - 6.2.4. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Digital Respiratory Devices Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Product
 - 6.3.1.2.2. By Indication
 - 6.3.1.2.3. By Distribution Channel
 - 6.3.2. Canada Digital Respiratory Devices Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Product
 - 6.3.2.2.2. By Indication
 - 6.3.2.2.3. By Distribution Channel
 - 6.3.3. Mexico Digital Respiratory Devices Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Product
 - 6.3.3.2.2. By Indication
 - 6.3.3.2.3. By Distribution Channel

7. EUROPE DIGITAL RESPIRATORY DEVICES MARKET OUTLOOK

- 7.1. Market Size & Forecast

- 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Product
 - 7.2.2. By Indication
 - 7.2.3. By Distribution Channel
 - 7.2.4. By Country
- 7.3. Europe: Country Analysis
 - 7.3.1. Germany Digital Respiratory Devices Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Product
 - 7.3.1.2.2. By Indication
 - 7.3.1.2.3. By Distribution Channel
 - 7.3.2. France Digital Respiratory Devices Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Product
 - 7.3.2.2.2. By Indication
 - 7.3.2.2.3. By Distribution Channel
 - 7.3.3. United Kingdom Digital Respiratory Devices Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Product
 - 7.3.3.2.2. By Indication
 - 7.3.3.2.3. By Distribution Channel
 - 7.3.4. Italy Digital Respiratory Devices Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Product
 - 7.3.4.2.2. By Indication
 - 7.3.4.2.3. By Distribution Channel
 - 7.3.5. Spain Digital Respiratory Devices Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast

- 7.3.5.2.1. By Product
- 7.3.5.2.2. By Indication
- 7.3.5.2.3. By Distribution Channel

8. ASIA PACIFIC DIGITAL RESPIRATORY DEVICES MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Product
 - 8.2.2. By Indication
 - 8.2.3. By Distribution Channel
 - 8.2.4. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Digital Respiratory Devices Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Product
 - 8.3.1.2.2. By Indication
 - 8.3.1.2.3. By Distribution Channel
 - 8.3.2. India Digital Respiratory Devices Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Product
 - 8.3.2.2.2. By Indication
 - 8.3.2.2.3. By Distribution Channel
 - 8.3.3. Japan Digital Respiratory Devices Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Product
 - 8.3.3.2.2. By Indication
 - 8.3.3.2.3. By Distribution Channel
 - 8.3.4. South Korea Digital Respiratory Devices Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast

- 8.3.4.2.1. By Product
- 8.3.4.2.2. By Indication
- 8.3.4.2.3. By Distribution Channel
- 8.3.5. Australia Digital Respiratory Devices Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Product
 - 8.3.5.2.2. By Indication
 - 8.3.5.2.3. By Distribution Channel

9. MIDDLE EAST & AFRICA DIGITAL RESPIRATORY DEVICES MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Product
 - 9.2.2. By Indication
 - 9.2.3. By Distribution Channel
 - 9.2.4. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Digital Respiratory Devices Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Product
 - 9.3.1.2.2. By Indication
 - 9.3.1.2.3. By Distribution Channel
 - 9.3.2. UAE Digital Respiratory Devices Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Product
 - 9.3.2.2.2. By Indication
 - 9.3.2.2.3. By Distribution Channel
 - 9.3.3. South Africa Digital Respiratory Devices Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value

- 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Product
 - 9.3.3.2.2. By Indication
 - 9.3.3.2.3. By Distribution Channel

10. SOUTH AMERICA DIGITAL RESPIRATORY DEVICES MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Product
 - 10.2.2. By Indication
 - 10.2.3. By Distribution Channel
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Digital Respiratory Devices Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Product
 - 10.3.1.2.2. By Indication
 - 10.3.1.2.3. By Distribution Channel
 - 10.3.2. Colombia Digital Respiratory Devices Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Product
 - 10.3.2.2.2. By Indication
 - 10.3.2.2.3. By Distribution Channel
 - 10.3.3. Argentina Digital Respiratory Devices Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Product
 - 10.3.3.2.2. By Indication
 - 10.3.3.2.3. By Distribution Channel

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

13. GLOBAL DIGITAL RESPIRATORY DEVICES MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

- 15.1. COHERO Health Inc.
 - 15.1.1. Business Overview
 - 15.1.2. Products & Services
 - 15.1.3. Recent Developments
 - 15.1.4. Key Personnel
 - 15.1.5. SWOT Analysis
- 15.2. Cognita Labs llc
- 15.3. Adherium Limited
- 15.4. Amiko Digital Health Limited
- 15.5. Teva Pharmaceuticals Industries Ltd.
- 15.6. Propeller Health
- 15.7. Novartis AG
- 15.8. Pneuma Respiratory Inc.
- 15.9. 3M Health Care Limited
- 15.10. AireHealth, Inc.

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

I would like to order

Product name: Digital Respiratory Devices Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Smart Inhalers & Nebulizers, Sensors & Apps, Others), By Indication (Asthma, COPD, Others), By Distribution Channel (Hospital Pharmacies, Retail Pharmacies, Online Pharmacies), By Region & Competition, 2021-2031F

Product link: <https://marketpublishers.com/r/DC7FAA441A6EEN.html>

Price: US\$ 4,500.00 (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/DC7FAA441A6EEN.html>