

# **Global Digital Respiratory Devices Market: Focus on Sensors, Smart Inhalers and Nebulizers, Application, 9 Countries Data, and Competitive Landscape - Analysis and Forecast, 2019-2029**

<https://marketpublishers.com/r/GA9A990F1B81EN.html>

Date: June 2019

Pages: 179

Price: US\$ 5,000.00 (Single User License)

ID: GA9A990F1B81EN

## **Abstracts**

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at [order@marketpublishers.com](mailto:order@marketpublishers.com) with your request.

### **Key Questions Answered in the Report:**

What was the total revenue generated by the global digital respiratory system market in 2018 and how is it expected to grow during 2019-2029?

What are the major market drivers, challenges, and opportunities in the global digital respiratory devices market?

What are the underlying structures resulting in the emerging trends within the digital respiratory devices industry?

What are the potential business models in global digital respiratory devices market?

Which product type, such as sensors & apps and smart inhalers & nebulizers of the global digital respiratory system market is expected to dominate during the forecast period from 2019-2029?

Which indication type such as asthma and chronic obstructive pulmonary disease of the global digital respiratory system market is expected to dominate during the forecast period?

How pharma players are taking opportunity of connected inhalers to improve drug sales?

How will pharma industry evolve in terms of drug-based devices in the future?

What are the key developmental strategies which are implemented by the key players to sustain in the competitive market?

Which are the key manufacturers in global digital respiratory devices market, and what are their contributions?

## Global Digital Respiratory Devices Market Forecast, 2019-2029

The global digital respiratory devices market analysis done by BIS Research highlights that the market was valued at approximately \$8.5 million in 2018 and is anticipated to reach \$334.0 million by 2029.

The rise in the public awareness along with the reduced cost and technological advancements is responsible for bolstering the industry demand and aiding in reduction of the global healthcare expenditure. Furthermore, the recent developments in the regulatory pathway for the utilization of digital-based medical devices for medical and research purposes have increased the acceptance of digital respiratory devices.

In recent times, the increased prevalence of respiratory diseases such as asthma and chronic obstructive pulmonary disease (COPD), is considered to be one of the leading causes of mortality. With the increasing life span and life expectancy, the geriatric population is growing at a fast pace and is expected to witness a surge in the future.

## Expert Quote on Global Digital Respiratory Devices Market

“North America is currently the leading contributor to the global digital respiratory devices market. The market was valued at \$5.0 million in 2018. Factors such as availability of large number of key players, increasing healthcare infrastructure, high adoption rate for advanced technologies, and faster product approvals by the regulatory bodies in the region are driving the growth of the North American global digital respiratory devices market. However, the Rest-of-the-World is expected to register the highest CAGR, during the forecast period 2019-2029”.

## Scope of the Market Intelligent on the Global Digital Respiratory Devices Market

The purpose of the global digital respiratory devices market study is to gain a holistic view of the market in terms of various factors influencing it, such as recent trends and technological advancements in the market. The scope of this report is centered upon conducting a detailed study of the products allied with the digital respiratory devices market, which include sensors, apps, smart inhalers, and nebulizers.

The global digital respiratory devices market is segmented into three different parts, namely, by product-type, by application, and by region. The global market value was estimated on the basis of these three different approaches which were validated against one another. These segments are further sub-segmented to ease the market estimation.

## Market Segmentation

With the increasing demand for personalized medicine, increasing incidence of chronic and respiratory diseases, technological advancements in respiratory devices industry, and new product launches by several conglomerate companies, the global digital respiratory devices market is expected to witness high growth. Moreover, the sensors and apps sub-segment dominated the global digital respiratory devices market in 2018 in terms of products. However, the smart inhalers and nebulizers segment is anticipated to witness the highest CAGR in the forecast period from 2019 to 2029.

The global digital respiratory devices market is segmented on the basis of geographical regions into North America, Europe, Asia-Pacific, and Rest-of-the-World (RoW). North America is the leading contributor in the global digital respiratory devices market. However, the Rest-of-the-World is expected to grow at a CAGR of 45.78% in the forecast period 2019-2029.

## Key Companies in the Global Digital Respiratory Devices Market

The key players who have significant contributions to the digital respiratory devices market include 3M Health Care Limited, Adherium Limited, Capsule Technologies, Inc., Cohero Health, Novartis AG, Propeller Health, Sensiron AG, Teva Pharmaceuticals Industries Ltd., Amiko Digital Health Limited, AstraZeneca plc, Boehringer Ingelheim International GmbH, and GlaxoSmithKline plc among others.

## Contents

### EXECUTIVE SUMMARY

### 1 MARKET OVERVIEW

- 1.1 Introduction
- 1.2 Digital Respiratory Devices Market Ecosystem
- 1.3 Assumptions and Limitations

### 2 MARKET DYNAMICS

- 2.1 Impact Analysis
- 2.2 Market Drivers
  - 2.2.1 Increasing Prevalence of Respiratory Diseases
  - 2.2.2 Increasing Adoption of Digital Technology Among Individuals
  - 2.2.3 Treatment Satisfaction with Inhaled Therapy Among Individuals
- 2.3 Market Restraints
  - 2.3.1 Issues Related to The Accuracy and Reliability of the Device
  - 2.3.2 Availability and High Cost Associated with Digital Respiratory Devices
- 2.4 Market Opportunities
  - 2.4.1 Expansion into the Emerging Markets
  - 2.4.2 Predicting Future Exacerbations

### 3 COMPETITIVE LANDSCAPE

- 3.1 Key Developments and Strategies
  - 3.1.1 Agreements and Collaborations
  - 3.1.2 Product Approvals
  - 3.1.3 Mergers and Acquisitions
  - 3.1.4 Awards and Recognitions
  - 3.1.5 Investments, Funding, and Business Expansion
  - 3.1.6 Product Launches
- 3.2 Market Share Analysis
- 3.3 Industry Attractiveness
  - 3.3.1 Bargaining Power of Suppliers
  - 3.3.2 Bargaining Power of Buyer
  - 3.3.3 Threat of New Entrants
  - 3.3.4 Threat of Substitute Products

### 3.3.5 Intensity of Competitive Rivalry

## 4 INDUSTRY INSIGHTS

### 4.1 Opportunity Map Analysis of Smart Inhalers and Nebulizers

### 4.2 Smart Inhaler Value Propositions for Stakeholders

### 4.3 Smart Inhalers and Nebulizers – An Important Element of System for Predicting Disease Worsening in Individuals

### 4.4 Business Models for Digital Respiratory Devices Market

## 5 GLOBAL DIGITAL RESPIRATORY DEVICES MARKET (BY PRODUCT TYPE)

### 5.1 Sensors and Apps

### 5.2 Smart Inhalers and Nebulizers

## 6 GLOBAL DIGITAL RESPIRATORY DEVICES MARKET (BY INDICATION)

### 6.1 Asthma

### 6.2 Chronic Obstructive Pulmonary Disease (COPD)

## 7 GLOBAL DIGITAL RESPIRATORY DEVICES MARKET (BY REGION)

### 7.1 North America

#### 7.1.1 U.S.

#### 7.1.2 Canada

### 7.2 Europe

#### 7.2.1 Germany

#### 7.2.2 U.K.

#### 7.2.3 France

#### 7.2.4 Rest-of-Europe

### 7.3 Asia-Pacific (APAC)

#### 7.3.1 Japan

#### 7.3.2 China

#### 7.3.3 Australia

#### 7.3.4 India

#### 7.3.5 Rest-of-Asia-Pacific (RoAPAC)

#### 7.3.6 Rest-of-the-World (RoW)

## 8 COMPANY PROFILES

## 8.1 3M Health Care Limited

### 8.1.1 Company Overview

### 8.1.2 Role of 3M Health Care Limited in the Global Digital Respiratory Devices Market.

### 8.1.3 Financials

#### 8.1.3.1 Key Insights on the Financial Health of the Company

### 8.1.4 SWOT Analysis

## 8.2 Adherium Limited

### 8.2.1 Company Overview

### 8.2.2 Role of Adherium Limited in the Global Digital Respiratory Devices Market.

### 8.2.3 Financials

#### 8.2.3.1 Key Insights on the Financial Health of the Company

### 8.2.4 SWOT Analysis

## 8.3 Amiko Digital Health Limited

### 8.3.1 Company Overview

### 8.3.2 Role of Amiko Digital Health Limited in the Global Digital Respiratory Devices Market

### 8.3.3 SWOT Analysis

## 8.4 AstraZeneca plc

### 8.4.1 Company Overview

### 8.4.2 Role of AstraZeneca plc in the Global Digital Respiratory Devices Market

### 8.4.3 Financials

#### 8.4.3.1 Key Insights on the Financial Health of the Company

### 8.4.4 SWOT Analysis

## 8.5 Boehringer Ingelheim International GmbH

### 8.5.1 Company overview

### 8.5.2 Role of Boehringer Ingelheim International GmbH in the Global Digital Respiratory Devices Market

### 8.5.3 Financials

#### 8.5.3.1 Key Insights on the Financial Health of the Company

### 8.5.4 SWOT Analysis

## 8.6 Capsule Technologies, Inc.

### 8.6.1 Company Overview

### 8.6.2 Role of Capsule Technologies, Inc. in the Global Digital Respiratory Devices Market.

### 8.6.3 SWOT Analysis

## 8.7 Cohero Health

### 8.7.1 Company Overview

### 8.7.2 Role of Cohero Health in the Global Digital Respiratory Devices Market

### 8.7.3 SWOT Analysis

## 8.8 GlaxoSmithKline plc

### 8.8.1 Company overview

### 8.8.2 Role of GlaxoSmithKline plc in the Global Digital Respiratory Devices Market

### 8.8.3 Financials

#### 8.8.3.1 Key Insights on the Financial Health of the Company

### 8.8.4 SWOT Analysis

## 8.9 Novartis AG

### 8.9.1 Company overview

### 8.9.2 Role of Novartis AG in the Global Digital Respiratory Devices Market

### 8.9.3 Financials

#### 8.9.3.1 Key Insights on the Financial Health of the Company

### 8.9.4 SWOT Analysis

## 8.10 Propeller Health

### 8.10.1 Company Overview

### 8.10.2 Role of Propeller Health in the Global Digital Respiratory Devices Market

### 8.10.3 SWOT Analysis

## 8.11 Sensiron AG

### 8.11.1 Company overview

### 8.11.2 Role of Sensiron AG in the Global Digital Respiratory Devices Market

### 8.11.3 Financials

#### 8.11.3.1 Key Insights on the Financial Health of the Company

### 8.11.4 SWOT Analysis

## 8.12 Teva Pharmaceuticals Industries Ltd.

### 8.12.1 Company Overview

### 8.12.2 Role of Teva Pharmaceuticals Industries Ltd. in the Global Digital Respiratory Devices Market

### 8.12.3 Financials

#### 8.12.3.1 Key Insights on the Financial Health of the Company

### 8.12.4 SWOT Analysis

## 9 RESEARCH SCOPE AND METHODOLOGY

### 9.1 Product Definition

### 9.2 Scope of the Research Study

## List Of Tables

### LIST OF TABLES

Table 1: A Research and Facilitation Framework

Table 2: Impact Analysis of Global Digital Respiratory Devices Market

Table 2.1: Impact Analysis of Global Digital Respiratory Devices Market

Table 2.2: Prevalence of Asthma in Key Countries, 2015-2017

Table 2.3: Prevalence of COPD in Key Countries, 2015-2017

Table 4.1: Smart Inhaler Value Propositions for Stakeholders

Table 4.2: Different Data Revenue Streams

Table 5.1: Smart Inhalers in Pipeline

Table 6.1: Incidence of Asthma in Key Countries, 2015-2017

Table 6.2: Incidence of COPD in Key Countries, 2015-2017



## List Of Figures

### LIST OF FIGURES

Figure 1: Opportunities for Clinical Benefit

Figure 2: Global Digital Respiratory Devices Market, 2018-2029

Figure 3: Dominating Segments of Global Digital Respiratory Devices Market, 2018 and 2029

Figure 4: Global Digital Respiratory Devices Market (by Product Type), 2018 and 2029

Figure 5: Global Digital Respiratory Devices Market (by Indication), 2018 and 2029

Figure 6: Global Digital Respiratory Devices Market (by Region), 2018 and 2029

Figure 7: Strategies Incorporated to Expand the Global Reach

Figure 8: Go-To-Market Strategy

Figure 1.1: Digital Respiratory Devices Market Workflow

Figure 1.2: Smart Inhalers and Data Flow

Figure 1.3: Digital Respiratory Devices Market Ecosystem

Figure 3.1: Competitive Landscape, January 2015 - May 2019

Figure 3.2: Share of Key Developments and Strategies, January 2015- May 2019

Figure 3.3: Agreements and Collaborations Share (by Companies), January 2015- May 2019

Figure 3.4: Product Approvals Share (by Companies), January 2015- May 2019

Figure 3.5: Mergers and Acquisitions Share (by Companies), January 2015- May 2019

Figure 3.6: Awards and Recognitions Share (by Companies), January 2015- May 2019

Figure 3.7: Investments, Fundings, and Business Expansions Share (by Companies), January 2015- May 2019

Figure 3.8: Product Launches Share (by Companies), January 2015- May 2019

Figure 3.9: Market Share Analysis, 2017 and 2018

Figure 3.10: Porter's Five Forces Analysis

Figure 3.11: Bargaining Power of Suppliers: Overall Impact, 2018-2029

Figure 3.12: Bargaining Power of Buyers: Overall Impact, 2018-2029

Figure 3.13: Threat of New Entrant: Overall Impact, 2018-2029

Figure 3.14: Threat of Substitute Products: Overall Impact, 2018-2029

Figure 3.15: Intensity of Competitive Rivalry: Overall Impact, 2018-2029

Figure 4.1: Opportunity Map Analysis of Digital Respiratory Devices Market

Figure 4.2: Smart Inhalers and Nebulizers – An Important Element of System for Predicting Disease Worsening in Individuals

Figure 5.1: Global Digital Respiratory Devices Market (by Product Type)

Figure 5.2: Global Digital Respiratory Devices Market Share (by Product Type), 2018 and 2029

Figure 5.3: Global Digital Respiratory Devices Market (by Sensors and Apps), 2018-2029

Figure 5.4: Global Digital Respiratory Devices Market (by Smart Inhalers and Nebulizers), 2018-2029

Figure 6.1: Global Digital Respiratory Devices Market (by Indication)

Figure 6.2: Global Digital Respiratory Devices Market Share (by Indication), 2018 and 2029

Figure 6.3: Global Digital Respiratory Devices Market (by Asthma), 2018-2029

Figure 6.4: Global Digital Respiratory Devices Market (by COPD), 2018-2029

Figure 7.1: Global Digital Respiratory Devices Market (by Region)

Figure 7.2: Global Digital Respiratory Devices Market (by Region), 2018-2029

Figure 7.3: North America Digital Respiratory Devices Market, 2018-2029

Figure 7.4: North America Digital Respiratory Devices Market (by Country), 2018-2029

Figure 7.5: U.S. Digital Respiratory Devices Market, 2018-2029

Figure 7.6: Canada Digital Respiratory Devices Market, 2018-2029

Figure 7.7: Europe Digital Respiratory Devices Market, 2018-2029

Figure 7.8: Europe Digital Respiratory Devices Market (by Country), 2018-2029

Figure 7.9: Germany Digital Respiratory Devices Market, 2018-2029

Figure 7.10: U.K. Digital Respiratory Devices Market, 2018-2029

Figure 7.11: France Digital Respiratory Devices Market, 2018-2029

Figure 7.12: Rest-of-Europe Digital Respiratory Devices Market, 2018-2029

Figure 7.13: Asia-Pacific Digital Respiratory Devices Market, 2018-2029

Figure 7.14: Asia-Pacific Digital Respiratory Devices Market (by Country), 2018-2029

Figure 7.15: Japan Digital Respiratory Devices Market, 2018-2029

Figure 7.16: China Digital Respiratory Devices Market, 2018-2029

Figure 7.17: Australia Digital Respiratory Devices Market, 2018-2029

Figure 7.18: India Digital Respiratory Devices Market, 2018-2029

Figure 7.19: Rest-of-Asia-Pacific Digital Respiratory Devices Market, 2018-2029

Figure 7.20: Rest-of-the-World Digital Respiratory Devices Market, 2018-2029

Figure 8.1: Shares of Key Company Profiles

Figure 8.2: Product Offerings for Global Digital Respiratory Devices Market

Figure 8.3: Overall Financials, 2016-2018

Figure 8.4: Net Revenue (by Business Segment), 2016-2018

Figure 8.5: Net Revenue (by Region), 2016-2018

Figure 8.6: R& D Expense, 2016-2018

Figure 8.7: Product Offerings for Global Digital Respiratory Devices Market

Figure 8.8: Overall Financials, 2016-2018

Figure 8.9: R&D Expense, 2016-2018

Figure 8.10: Amiko Digital Health Limited: Product Offerings

- Figure 8.11: AstraZeneca plc: Product Offerings
- Figure 8.12: AstraZeneca plc: Overall Financials, 2016-2018
- Figure 8.13: AstraZeneca plc: Net Revenue (by Region), 2016-2018
- Figure 8.14: AstraZeneca plc: R&D Expense, 2016-2018
- Figure 8.15: Boehringer Ingelheim International GmbH: Product Offerings
- Figure 8.16: Boehringer Ingelheim International GmbH: Overall Financials, 2016-2018
- Figure 8.17: Boehringer Ingelheim International GmbH Net Revenue (by Business Segment), 2016-2018
- Figure 8.18: Boehringer Ingelheim International GmbH: Net Revenue (by Region), 2016-2018
- Figure 8.19: Boehringer Ingelheim International GmbH: R& D Expense, 2016-2018
- Figure 8.20: Product Offerings for Global Digital Respiratory Devices Market
- Figure 8.21: GlaxoSmithKline plc: Product Offerings
- Figure 8.22: GlaxoSmithKline plc: Overall Financials, 2016-2018
- Figure 8.23: GlaxoSmithKline plc Net Revenue (by Business Segment), 2016-2018
- Figure 8.24: GlaxoSmithKline plc: Net Revenue (by Region), 2016-2018
- Figure 8.25: GlaxoSmithKline plc: R& D Expense, 2016-2018
- Figure 8.26: Novartis AG: Product Offerings
- Figure 8.27: Novartis AG: Overall Financials, 2016-2018
- Figure 8.28: Novartis AG Net Revenue (by Business Segment), 2016-2018
- Figure 8.29: Novartis AG: Net Revenue (by Region), 2016-2018
- Figure 8.30: Novartis AG: R& D Expense, 2016-2018
- Figure 8.31: Propeller Health: Product Offerings for Digital Respiratory Devices Market
- Figure 8.32: Product Offerings for Global Digital Respiratory Devices Market
- Figure 8.33: Overall Financials, 2017-2018
- Figure 8.34: Net Revenue (by Business Segment), 2017-2018
- Figure 8.35: Net Revenue (by Region), 2017-2018
- Figure 8.36: R&D Expense, 2016-2018
- Figure 8.37: Product Offerings for Global Digital Respiratory Devices Market
- Figure 8.38: Overall Financials, 2016-2018
- Figure 8.39: Net Revenue (by Business Segment), 2017-2018
- Figure 8.40: R&D Expense, 2016-2018
- Figure 9.1: Global Digital Respiratory Devices Market Segmentation
- Figure 9.2: Research Methodology
- Figure 9.3: Primary Research
- Figure 9.4: Secondary Research
- Figure 9.5: Data Triangulation
- Figure 9.6: Bottom-up Approach (Segment-wise Analysis)
- Figure 9.7: Top-down Approach (Segment-wise Analysis)

Figure 9.8: Assumptions and Limitations

Figure 9.9: Considered Factors for Data Prediction and Modeling

## I would like to order

Product name: Global Digital Respiratory Devices Market: Focus on Sensors, Smart Inhalers and Nebulizers, Application, 9 Countries Data, and Competitive Landscape - Analysis and Forecast, 2019-2029

Product link: <https://marketpublishers.com/r/GA9A990F1B81EN.html>

Price: US\$ 5,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA9A990F1B81EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970