

Continuous Positive Airway Pressure (CPAP) Devices Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (CPAP Masks, CPAP Humidifier, CPAP Motors, Others), By Type (Manual v/s Automatic), By End User (Hospitals & Clinics, Ambulatory Care Centers, Others), By Region & Competition, 2021-2031F

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Abstracts

The Global Continuous Positive Airway Pressure (CPAP) Devices Market is projected to expand from USD 5.24 Billion in 2025 to USD 7.87 Billion by 2031, registering a CAGR of 7.01%. These devices function as therapeutic respiratory aids, delivering a steady stream of pressurized air through a mask to maintain open airways for patients suffering from obstructive sleep apnea. The market is primarily propelled by health-related factors independent of technological trends, including the increasing prevalence of sleep disorders, an aging population, and rising obesity rates, all of which heighten the demand for respiratory interventions. According to the American Academy of Sleep Medicine, nearly 30 million adults in the United States were estimated to have obstructive sleep apnea in 2024, highlighting the substantial patient base necessitating these medical solutions.

Despite strong demand, market expansion is frequently hindered by significant challenges related to patient non-compliance and device intolerance. Physical discomfort or claustrophobia often leads individuals to discontinue therapy, which limits the long-term adoption and scheduled replacement of these units. This disparity between diagnosis and adherence poses a critical obstacle to revenue generation. According to the National Sleep Foundation, approximately 31 percent of adults diagnosed with sleep apnea in 2025 were not receiving the necessary treatment,

indicating a persistent barrier to achieving sustained market penetration and therapeutic success.

Market Driver

Technological advancements in device design and connectivity are fundamentally transforming the Global Continuous Positive Airway Pressure (CPAP) Devices Market by integrating cloud-based ecosystems that improve patient adherence and enable remote monitoring. These smart solutions facilitate real-time therapy adjustments and automated data tracking, which significantly lowers the high drop-out rates associated with traditional, non-connected interfaces while streamlining clinical workflows for healthcare providers. According to ResMed's 'Definitive Proxy Statement (DEF 14A)' from October 2024, the company reported a network of 26 million cloud-connectable devices, illustrating the massive scale of digital adoption. This technological leverage drives commercial performance, as evidenced by ResMed's 'First Quarter 2025 Earnings Press Release' in October 2024, which noted an 11 percent increase in revenue, underscoring the strong demand for advanced therapeutic solutions.

The increasing prevalence of Obstructive Sleep Apnea (OSA) acts as a primary driver for long-term expansion, especially given that a large segment of the global population remains undiagnosed. Enhanced diagnostic accessibility and awareness campaigns are gradually converting this latent demand into active users, while demographic shifts such as aging populations and rising obesity rates create a continuous influx of patients needing respiratory support. According to ResMed's '2024 Annual Report' from August 2024, an estimated 936 million people globally live with sleep apnea, representing a massive addressable patient pool exceeding current penetration levels. As public health initiatives focus on sleep hygiene, the gap between the total prevalence and the diagnosed population continues to close, fueling sustained device adoption.

Market Challenge

Patient non-compliance and device intolerance represent the challenging factors that significantly impede the growth of the Global Continuous Positive Airway Pressure (CPAP) Devices Market. These issues create substantial barriers to expansion because therapeutic effectiveness depends heavily on consistent, long-term usage, yet patients often abandon treatment shortly after diagnosis due to physical discomfort, mask leaks, or claustrophobia. High rates of therapy discontinuation negatively impact the market by diminishing the recurring revenue streams derived from essential consumables, such as masks, hoses, and filters, which constitute a major source of ongoing profit for

manufacturers.

Furthermore, the inability to retain patients on therapy restricts the growth of the active user base, stalling the adoption cycle and lowering the demand for replacement devices. The discrepancy between the number of diagnosed patients and those who strictly adhere to the treatment regimen results in significant market inefficiency. According to the American Thoracic Society, overall compliance rates for CPAP therapy were reported to be approximately 50 percent in 2024. This statistic indicates that nearly half of the potential market for consumables and replacement units is lost to adherence issues, preventing the industry from realizing its full revenue potential despite the existence of a large addressable patient population.

Market Trends

The convergence of CPAP therapy with consumer wearables and smart home platforms is driving market expansion by decentralizing diagnostic pathways and guiding undiagnosed patients into treatment pipelines. Tech giants are embedding clinical-grade sleep apnea detection algorithms into popular smartwatches, turning consumer gadgets into preliminary screening tools that bypass complex laboratory procedures and enable passive, longitudinal home monitoring. This trend addresses the large undiagnosed patient pool by triggering medical consultations, as seen when Samsung Electronics announced in a February 2024 press release that it received De Novo authorization from the U.S. Food and Drug Administration for the sleep apnea feature on its Galaxy Watch, establishing a direct consumer channel for identifying moderate to severe obstructive sleep apnea.

Simultaneously, advancements in minimal-contact mask designs are revolutionizing the patient interface landscape to combat high therapy termination rates resulting from claustrophobia and physical discomfort. Manufacturers are moving away from bulky headgear in favor of ultra-lightweight, minimal-contact nasal cradles and pillows that employ advanced materials and auto-adjusting fit technologies to improve seal integrity without applying aggressive pressure. This shift focuses on aesthetics and comfort to improve user tolerance and sustain long-term compliance, ensuring regular replacement of consumables. Validating this trend, Fisher & Paykel Healthcare reported a 21 percent growth in obstructive sleep apnea mask revenue in their 'Annual Report 2024' from May 2024, attributing this success to the strong global adoption of their new minimalist mask platforms.

Key Market Players

ResMed Inc.

Koninklijke Philips N.V.

Fisher & Paykel Healthcare Limited

Drive DeVilbiss Healthcare, LLC

BMC Medical Co., Ltd.

3B Medical, Inc.

Somnetics International, Inc.

Apex Medical Corporation

Medtronic plc

LOwenstein Medical SE & Co. KG

Report Scope

In this report, the Global Continuous Positive Airway Pressure (CPAP) Devices Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Continuous Positive Airway Pressure (CPAP) Devices Market, By Product Type

CPAP Masks

CPAP Humidifier

CPAP Motors

Others

Continuous Positive Airway Pressure (CPAP) Devices Market, By Type

Manual v/s Automatic

Continuous Positive Airway Pressure (CPAP) Devices Market, By End User

Hospitals & Clinics

Ambulatory Care Centers

Others

Continuous Positive Airway Pressure (CPAP) 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 Continuous Positive Airway Pressure (CPAP) Devices Market.

Available Customizations:

Global Continuous Positive Airway Pressure (CPAP) Devices 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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