

Positive Air Pressure Devices- Market Insights, Competitive Landscape and Market Forecast–2026

<https://marketpublishers.com/r/P47BA5B9CE64EN.html>

Date: January 2022

Pages: 100

Price: US\$ 4,750.00 (Single User License)

ID: P47BA5B9CE64EN

Abstracts

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Positive Airway Pressure Devices Market By Device Type (Continuous Positive Airway Pressure Devices, Autotitrating Positive Airway Pressure Devices, And Bilevel Positive Airway Pressure Devices, And Others), By Age Group (Adults And Pediatrics), By End User (Hospitals, Clinics, And Homecare Settings), By Geography is expected to grow at a steady CAGR (forecast period-2021-2026) owing to rising prevalence of obstructive sleep apnea and increasing prevalence of neonatal respiratory distress syndrome

Global Positive Airway Pressure Devices Market was valued at USD 1.92 billion in 2020, growing at a CAGR of 8.40% during the forecast period from 2021 to 2026 to reach USD 3.12 billion by 2026. The demand for PAP Devices is primarily witnessing growth on account of the increasing prevalence of obstructive sleep apnea, rising prevalence of neonatal respiratory distress syndrome, growing demand for noninvasive ventilation, and technological advancements in device development.

Positive Airway Pressure Devices Market Dynamics:

The positive airway pressure devices market is set to experience a considerable growth in the forecast period due to the increasing number of cases of sleep apnea. As per the article published in the Journal “Respirology” titled “Global burden of sleep-disordered breathing and its implications” published in 2020 by Bhatt et al, it has been estimated that over one-seventh of the world’s population or one billion are predicted to suffer from obstructive sleep apnea.

As per a research study published in the Lancet Journal titled “Estimation of the global

prevalence and burden of obstructive sleep apnea: a literature-based analysis” by Benjafield et al, in 2019, it was estimated that 936 million adults aged 30–69 years (men and women) had mild to severe obstructive sleep apnea and 425 million (399–450) adults aged 30–69 years had moderate to severe obstructive sleep apnea globally. The number of affected individuals was highest in China, followed by the USA, Brazil, and India.

One of the major risk factors associated with OSA is obesity. As per the factsheet provided by the World Health Organization on Obesity (2021), the worldwide obesity has tripled since 1975. As per the same factsheet, in 2016, over 1.9 billion people overweight in 2016, of which 650 million people were obese. In 2020, 39 million children below the age of 5 were either obese or overweight. As being overweight increases the risk of numerous health implications, one of them being OSA, this could be a major influencing factor in the growing demand for PAP devices.

PAP devices help in keeping the airways open for sleep apnea patients and prevent it from collapsing while they sleep thereby enabling them to breathe normally.

Furthermore, another factor aiding in the growth of the PAP devices market is the rising number of cases of the neonatal respiratory distress syndrome. As per an article published in journal “Pharmacy & Therapeutics”, titled “Neonatal Respiratory Distress Syndrome: Tackling A Worldwide Problem” by Dyer (2019), the mortality rates associated with NRDS in poor countries are 10 times higher than wealthier countries. It further stated that the situation is not any better in wealthier countries as well, such as the United States where the mortality rates associated with NRDS reach as high as 60%.

Due to the drawbacks associated with mechanical ventilation, PAP devices are gaining popularity among end users in the treatment of infants suffering from NRDS.

Therefore, the abovementioned factors combined with others are expected to drive the growth of the PAP devices market.

However, frequent product recalls due to increasing risk of infections associated with PAP devices, may limit the positive airway pressure devices market growth over the forecast period.

Positive Airway Pressure Devices Market Segment Analysis:

Positive Airway Pressure Devices market by Device Type (Continuous Positive Airway Pressure Devices, Auto titrating Positive Airway Pressure Devices, Bilevel Positive Airway Pressure Devices, and Others), Positive Airway Pressure Devices market by Age Group (Adults and Pediatrics), Positive Airway Pressure Devices market by End User (Hospitals, Clinics, and Homecare Settings), and Positive Airway Pressure Devices market by Geography (North America, Europe, Asia-Pacific, and Rest of the World).

In the device type segment of the PAP devices market, Continuous Positive Airway Pressure Devices are predicted to account for the largest market share compared to other device types. This can be attributed to the fact that CPAP devices are prescribed as the first line PAP therapy to patients. Another factor that adds to their popularity is the simplistic design of the device, which provides a steady pressure rate for both inhalation and exhalation. Furthermore, as CPAP devices have the most basic design and functionality, they cost significantly less than the counterparts, thereby contributing in their increased demand in the PAP devices market. Moreover, compared to other types of PAP devices, CPAP devices are covered by majority of the insurance providers which further add to their popularity among end users.

However, in the forecast period, Bilevel PAP devices are expected to witness the fastest growth in demand due to the rising requirement of different pressure rate PAP devices for inhalation and exhalation, addressing a drawback associated with CPAP devices.

North America is expected to dominate the overall Positive Airway Pressure Devices Market:

Among all the regions, North America is expected to account for the largest share in the PAP devices market. This can be attributed to the growing prevalence of OSA, obesity, diabetes and the well-established reimbursement programs in the region are predicted to be the major influencing factors in driving the overall growth of the market over the forecast period.

The North American PAP devices market is expected to witness growth due to rising prevalence of obesity in North American countries, particularly in the US. As per the facts provided by the Centers for Disease Control and Prevention (2021), the countrywide prevalence of obesity in 2017-2018 was 42.4%. It further stated that the prevalence of severe obesity increased to 9.2% in the same time period. Obesity is linked with many other indications such as heart disease, stroke, and a major risk factor for sleep apnea. Therefore, this increase in obesity prevalence may be a major

contributing factor in the growing demand for PAP devices in the country, and subsequently in the North American region.

Furthermore, the supportive reimbursement structure for the PAP devices has also been instrumental in the active adoption of these devices by end users. Many of the insurance providers in the US provide coverage for PAP devices, majorly the CPAP devices.

Considering the presence of large patient pool in the country for OSA and obesity coupled with supportive reimbursement and insurance structure for PAP devices, the market for PAP devices is predicted to witness significant growth in the North American region.

Positive Airway Pressure Devices Market Key Players:

Some of the key market players operating in the PAP Devices market includes ResMed, Koninklijke Philips N.V., Fisher & Paykel Healthcare Limited., APEX MEDICAL CORP, ARMSTRONG MEDICAL (an EAKIN Company), Smiths Medical, Compumedics Limited, VYAIRE MEDICAL, INC., Somnera Inc, 3B Medical Inc, DeVilbiss Healthcare LLC, Curative Medical Inc, Somnetics International, Inc, L?wenstein Medical UK Ltd., Beijing Aeonmed Co., Ltd., medin Medical Innovations GmbH, medicraft, Hebei Topson Medical Technology Ltd., Sefam, L?wenstein Medical Technology GmbH + Co. KG and others.

RECENT DEVELOPMENTAL ACTIVITIES IN POSITIVE AIRWAY PRESSURE DEVICES MARKET:

In September 2021, Koninklijke Philips N.V received the authorization from the US Food and Drug Administration for the initiation of the repairing of their first-generation DreamStation CPAP devices. These devices were previously recalled in June 2021 due to probable health issues in patients.

In August 2021, ResMed launched AirSense 11 PAP Series, the company's next-generation PAP device for sleep apnea management. The device includes features such as Care-In and Personal Therapy Assistant among other features.

In February 2021, 3B Medical Inc received the product approval from US Food and Drug Administration for their new third generation bi-level device- Luna G3 Auto-BPAP device. The device is indicated to be used in the treatment of

obstructive sleep apnea.

Key Takeaways from the Positive Airway Pressure Devices Market Report Study

? Market size analysis for current market size (2020), and market forecast for 5 years (2021-2026)

? The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the Positive Airway Pressure Devices market.

? Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years

? Key companies dominating the Global Positive Airway Pressure Devices Market.

? Various opportunities available for the other competitor in the Positive Airway Pressure Devices Market space.

? What are the top performing segments in 2020? How these segments will perform in 2026.

? Which is the top-performing regions and countries in the current Global Positive Airway Pressure Devices market scenario?

? Which are the regions and countries where companies should have concentrated on opportunities for Global Positive Airway Pressure Devices market growth in the coming future?

Target Audience who can be benefited from this Positive Airway Pressure Devices Market Report Study

? Positive Airway Pressure Devices providers

? Research organizations and consulting companies

? Positive Airway Pressure Devices-related organization, association, forum, and other alliances

? Government and corporate offices

? Start-up companies, venture capitalists, and private equity firms

? Distributors and Traders dealing in Positive Airway Pressure Devices

? Various End-users who want to know more about the Positive Airway Pressure Devices Market and latest technological developments in the Positive Airway Pressure Devices market.

Frequently Asked Questions for Positive Airway Pressure Devices Market:

1. What is a Positive Airway Pressure Device?

? PAP devices help in keeping the airways open for sleep apnea patients and prevent it from collapsing while they sleep thereby enabling them to breathe normally.

2. What is the market for Global Positive Airway Pressure Devices?

? Global Positive Airway Pressure Devices Market was valued at USD 1.92 billion in 2020, growing at a CAGR of 8.40% during the forecast period from 2021 to 2026 to reach USD 3.12 billion by 2026.

3. What are the drivers for Global Positive Airway Pressure Devices Market?

? The major drivers of the global positive airway pressure devices market growth are the increasing prevalence of obstructive sleep apnea, rising prevalence of neonatal respiratory distress syndrome, growing demand for non-invasive ventilation, and technological advancements in device development.

4. What are the key players operating in Global Positive Airway Pressure Devices Market?

? Some of the major market players operating in the Positive Airway Pressure Devices market include ResMed, Koninklijke Philips N.V., Fisher & Paykel Healthcare Limited., APEX MEDICAL CORP, ARMSTRONG MEDICAL (an EAKIN Company), Smiths Medical, Compumedics Limited, VYAIRE MEDICAL, INC., Somnera Inc, 3B Medical Inc, DeVilbiss Healthcare LLC, Curative Medical Inc, Somnetics International, Inc,

L?wenstein Medical UK Ltd., Beijing Aeonmed Co., Ltd., medin Medical Innovations GmbH, medicraft, Hebei Topson Medical Technology Ltd., Sefam, L?wenstein Medical Technology GmbH + Co. KG and others.

5. Which region has the highest share in Positive Airway Pressure Devices market?

? North America is expected to dominate the overall Positive Airway Pressure Devices market during the forecast period, 2021 to 2026. This can be attributed to the growing prevalence of OSA, obesity, diabetes and the well-established reimbursement programs in the region are predicted to be the major influencing factors in driving the overall growth of the market over the forecast period.

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