

Sleep Apnea Implants - Market Insights, Competitive Landscape and Market Forecast-2028

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Report description:

Sleep Apnea Implant Market By Product (Hypoglossal Nerve Stimulation Devices, Phrenic Nerve Stimulator Devices, And Others), Indication (Central Sleep Apnea And Obstructive Sleep Apnea), End-User (Hospital & Clinics, Home Care, And Others), and geography expected to grow at a steady CAGR forecast till 2028 owing to the increasing prevalence of sleep apnea and the rising geriatric population base across the globe

The global sleep apnea implant market is estimated to grow at a CAGR of 10.5% during the forecast period from 2023 to 2028. The demand for sleep apnea implants is primarily being boosted due to the increasing cases of sleep apnea and the rising population suffering from obesity. Further, the increasing demand for minimally invasive surgery, the rising adoption of advanced and innovative technologies, the rising awareness about sleep apnea implants, the increasing geriatric population, and the increasing product launches and approval among others are thereby contributing to the overall growth of the sleep apnea implant market during the forecast period from 2022-2028.

Sleep Apnea Implant Market Dynamics:

The sleep apnea implant market is witnessing a positive growth in product demand owing to various factors, one of the key factors is figures of various sleep disorders.

As per DelveInsight analysis, in 2021, the total diagnosed prevalent cases of insomnia were estimated to be approximately 85,968,021 cases in the 7MM region, which includes the US, France, Germany, Italy, Spain, the UK, and Japan.

In 2021, the estimated total diagnosed cases of obstructive sleep apnea (OSA) in the 7MM region was 24,165,544, as per DelveInsight analysis.

The increasing prevalence of sleep disorders will increase the demand for sleep apnea implants as implants are an effective way to treat obstructive sleep apnea (OSA) symptoms. Furthermore, according to the Sleep Foundation April 2023, insufficient sleep may lead to snoring or obstructive sleep disorder and can create an economic impact on a person's life. Thus, during the forecast period, there will be a rise in the prevalence of snoring and obstructive sleep apnea as well as an increase in the number of insomnia cases.

According to World Health Organization (WHO) 2022, by 2030, one in six persons worldwide will be 60 years of age or older. By

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2030, there will be 1.4 billion people worldwide who are 60 years of age or older, up from 1 billion in 2020. Additionally, the number of individuals in the globe who are 60 or older will nearly triple to 2.1 billion by 2050. The statistics provided by the same source stated that the number of persons aged 80 years or older is expected to triple between 2020 and 2050 to reach 426 million, globally. Any adult can acquire sleep apnea, but those over the age of 60 have a higher chance of doing so aging is linked to an increase in the frequency of psychosocial variables that interfere with sleep.

Further, sleep disturbance is more common in older adults because as the body ages the muscles get weakened and may lead to a collapsible airway, leading to nighttime snoring. Sleep apnea implants can be beneficial in old age to address breathing difficulties as the implants are either attached to the nose mouth or chest to increase the amount of air that can pass through the throat and help in sleep without snoring. These implants help keep airways open, reducing interruptions in breathing. Thus, the increasing geriatric population will increase the need for sleep apnea implants to prevent snoring and sleep apnea. Henceforth, the increasing geriatric population may increase the demand for sleep apnea implants during the forecast period.

Therefore, the above-mentioned factors are contributing to the growth of the sleep apnea implant market during the forecast period from 2023-2028.

However, complications due to implants such as malfunction, displacement, discomfort, and others may restrict the sleep apnea implant market growth during the forecast period.

Sleep Apnea Implant Market Segment Analysis:

Sleep Apnea Implant Market by Product (Hypoglossal Nerve Stimulation Devices, Phrenic Nerve Stimulator Devices, and Others), Indication (Central Sleep Apnea and Obstructive Sleep Apnea), End-User (Hospital & Clinics, Home Healthcare, and Others), and Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In the product type segment of the sleep apnea implant market, the phrenic nerve stimulator device category is expected to amass significant revenue share in the year 2022 due to the increasing product launches and approvals and the advantages offered by the device.

Phrenic nerve stimulation concentrates on the primary breathing muscle the diaphragm, giving greater direct control over respiratory function. The stimulation is also useful for people with central sleep apnea. Additionally, improvements in oxygen levels and a decrease in sleep apnea episodes can be seen with phrenic nerve stimulation.

Lastly, the phrenic nerve stimulator implant addresses central sleep apnea and offers greater direct control over respiratory function. The implant is used for patients who experience breathing problems while they sleep.

Furthermore, the rising product launches and approvals will create a positive impact on the demand for phrenic nerve stimulator devices. For instance, in August 2021, Zoll Medical Corporation acquired remede System, an implantable phrenic nerve stimulator. The device is indicated for the treatment of moderate to severe central sleep apnea (CSA) in adult patients. Countless developments are taking place that including product launches, approvals, and collaborations, that can boost the segment demand in the upcoming years.

Therefore, the advantages and applications offered by phrenic stimulator devices along with the increasing product launches and approvals are predicted to contribute to the increasing demand for this product type, thereby driving the growth of the overall sleep apnea implant market during the forecast period.

North America is expected to dominate the overall Sleep Apnea Implant Market:

Among all the regions, North America is estimated to account for the largest share of the sleep apnea implant market in the year 2022. The North America sleep apnea implant market is being driven by the importance of key growth factors like the rising prevalence of sleep apnea and insomnia, the rising geriatric population base in the region, and the rising chronic nasal congestion cases. Furthermore, sophisticated healthcare infrastructure, regulatory approval for new devices, and high awareness about sleep apnea will also help the market growth in this region.

As per the Centers for Disease and Prevention Control (CDC) 2022, in 2020, 14.5% of adults had trouble falling asleep most days or every day in the past 30 days in the US. A greater percentage of non-Hispanic White (21.0%) adults had trouble staying asleep most days or every day compared with non-Hispanic Black (15.4%), Hispanic (10.6%), and non-Hispanic Asian (8.7%) adults. Younger adults were less likely to have trouble staying asleep (13.8% of those aged 18-44) compared with adults aged 45-64 (21.8%). Thus, people who suffer from any sleep problem due to some other disease can lead to insomnia and ultimately may also experience depression, anxiety, daytime tiredness or sleepiness, and other symptoms that may further lead to breathing

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disorders and snoring while sleeping. Snoring is often associated with a sleep disorder called obstructive sleep apnea (OSA). Thus, to control the condition of snoring, a patient may need a sleep apnea implant, ultimately increasing the demand for sleep apnea implants and thereby propelling the overall market in the North America region.

According to the CDC 2023, in 2021, 8.0% of people in the US aged 18 and over had asthma. As per the same source, the annual number of hospital visits for asthma was 4.9 million, in 2021, in the US. The presence of asthma-related airway inflammation can lead to increased airway obstruction during sleep. Sleep apnea implants offer effective solutions by maintaining open airways during sleep, reducing sleep apnea events, and improving overall respiratory function. Thus, the rising cases of asthma-related sleep apnea will drive the demand for sleep apnea implant devices in the region.

Further, in May 2023, Zoll Medical received FDA approval for its Remede system for conditional use with magnetic resonance imaging (MRI). The implantable device activates automatically each night to stimulate the phrenic nerve in the chest. This sends signals to the diaphragm to help restore a more normal breathing pattern.

Thus, the aforementioned factors will increase the demand for sleep apnea implants, thereby driving the North America sleep apnea implant market forward during the forecast period.

Sleep Apnea Implant Market Key Players:

Some of the key market players operating in the sleep apnea implant market include LivaNova PLC, Inspire Medical Systems, Inc, ZOLL Medical Corporation, Medtronic, Nyxoah SA, Siesta Medical, Inc., SonoMed, Avery Biomedical Devices, Inc., DynaFlex, PANTHERA DENTAL, Natus Medical Incorporated, and others.

Recent Developmental Activities in the Sleep Apnea Implant Market:

? In June 2021, LivaNova received FDA approval for a clinical study to evaluate the aura6000 system, an implantable hypoglossal neurostimulator to treat obstructive sleep apnea.

? In June 2020, the FDA approved Upper Airway Stimulation (UAS) by Inspire Medical Systems, Inc. The device is an implantable nerve stimulator used to treat moderate to severe obstructive sleep apnea (OSA).

Key Takeaways From the Sleep Apnea Implant Market Report Study

? Market size analysis for current sleep apnea implant market size (2022), and market forecast for 5 years (2023-2028)

? Top key product/services/technology developments, mergers, acquisitions, partnerships, and joint ventures happened for the last 3 years

? Key companies dominating the global sleep apnea implant market.

? Various opportunities are available for the other competitors in the sleep apnea implant market space.

? What are the top-performing segments in 2022? How these segments will perform in 2028.

? Which are the top-performing regions and countries in the current sleep apnea implant market scenario?

? Which are the regions and countries where companies should have concentrated on opportunities for sleep apnea implant market growth in the coming future?

Target Audience who can be benefited from this Sleep Apnea Implant Market Report Study

? Sleep apnea implant products providers

? Research organizations and consulting companies

? Sleep Apnea Implant-related organizations, associations, forums, and other alliances

? Government and corporate offices

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

? Distributors and Traders dealing in sleep apnea implant

? Various End-users who want to know more about the sleep apnea implant market and the latest technological developments in the sleep apnea implant market

Frequently Asked Questions for the Sleep Apnea Implant Market:

1. What are sleep apnea implants?

Sleep apnea implants are used to treat sleep apnea, a condition involving interrupted breathing during sleep. These surgically implanted devices improve sleep quality and respiratory function in individuals with sleep apnea by stimulating the muscles of the tongue and upper airway during sleep

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2. What is the market for global sleep apnea implants?

The global sleep apnea implant market is estimated to grow at a CAGR of 10.5% during the forecast period from 2023 to 2028.

3. What are the drivers for the global sleep apnea implant market?

The demand for sleep apnea implants is primarily being heightened by the increasing prevalence of obstructive sleep apnea disorders and the increasing chronic diseases that lead to sleep disturbance. In addition, the rising demand for minimally invasive surgery, the increasing device launches, and approvals among others are thereby contributing to the overall growth of the sleep apnea implant market during the forecast period from 2023-2028.

4. Who are the key players operating in the global sleep apnea implant market?

Some of the key market players operating in the sleep apnea implant market include LivaNova PLC, Inspire Medical Systems, Inc, ZOLL Medical Corporation, Medtronic, Nyxoah SA, Siesta Medical, Inc., SonoMed, Avery Biomedical Devices, Inc., DynaFlex, PANTHERA DENTAL, Natus Medical Incorporated, and others.

5. Which region has the highest share in the sleep apnea implant market?

North America is expected to dominate the overall sleep apnea implant market during the forecast period from 2023-2028.

Factors such as the rising geriatric population, the rising cases of obesity, the increasing cases of insomnia, and others will propel the demand for sleep apnea implants in North America. Furthermore, increasing technological advancement, sophisticated healthcare infrastructure, regulatory approval for new devices, and others also helped the market growth in this region.

Table of Contents:

- 1. Sleep Apnea Implant Market Report Introduction
- 2. Sleep Apnea Implant Market Executive Summary
 - 2.1. Scope of the Study
 - 2.2. Market at Glance
 - 2.3. Competitive Assessment
- 3. Regulatory Analysis
 - 3.1. The United States
 - 3.2. Europe
 - 3.3. Japan
 - 3.4. China
- 4. Sleep Apnea Implant Market Key Factors Analysis
 - 4.1. Sleep Apnea Implant Market Drivers
 - 4.1.1. Increasing prevalence of obstructive sleep apnea (OSA)
 - 4.1.2. Rising geriatric population, rising cases of obesity, hypertension, and other risk factors across the globe
 - 4.1.3. Increasing awareness among people about sleep apnea implants which can be fit in the tongue, throat, and chest
 - 4.2. Sleep Apnea Implant Market Restraints and Challenges
 - 4.2.1. Complications related to surgery and device such as malfunction, displacement, or discomfort
 - 4.2.2. High Cost of Sleep Apnea Implants
 - 4.3. Sleep Apnea Implant Market Opportunities
 - 4.3.1. Technological advancements in sleep apnea implants such as mandibular advancement device
- 5. Sleep Apnea Implant Market Porter's Five Forces Analysis
 - 5.1. Bargaining Power of Suppliers
 - 5.2. Bargaining Power of Consumers
 - 5.3. The Threat of New Entrants
 - 5.4. Threat of Substitutes
 - 5.5. Competitive Rivalry
- 6. Sleep Apnea Implant Market Layout

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- 6.1. By Product Type
 - 6.1.1. Hypoglossal Nerve Stimulation Devices
 - 6.1.2. Phrenic Nerve Stimulator Devices
 - 6.1.3. Others
- 6.2. By Indication
 - 6.2.1. Central Sleep Apnea
 - 6.2.2. Obstructive Sleep Apnea
- 6.3. By End-User
 - 6.3.1. Hospitals & Clinics
 - 6.3.2. Home healthcare
 - 6.3.3. Others
- 6.4. By Geography
 - 6.4.1. North America Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.1.1. The United States Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.1.2. Canada Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.1.3. Mexico Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.2. Europe Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.2.1. France Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.2.2. Germany Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.2.3. United Kingdom Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.2.4. Italy Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.2.5. Spain Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.2.6. Rest of Europe Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.3. Asia-Pacific Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.3.1. China Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.3.2. Japan Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.3.3. India Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.3.4. Australia Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.3.5. South Korea Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.3.6. Rest of Asia-Pacific Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.4. Rest of the World (RoW) Sleep Apnea Implant Market Size in USD million (2020-2028)
 - 6.4.4.1. Middle East Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.4.2. Africa Sleep Apnea Implant Market Size in USD Million (2020-2028)
 - 6.4.4.3. South America Sleep Apnea Implant Market Size in USD Million (2020-2028)
- 7. Sleep Apnea Implant Market Company and Product Profiles
 - 7.1. LivaNova PLC
 - 7.1.1. Company Overview
 - 7.1.2. Company Snapshot
 - 7.1.3. Financial Overview
 - 7.1.4. Product Listing
 - 7.1.5. Entropy
 - 7.2. Inspire Medical Systems, Inc.
 - 7.2.1. Company Overview
 - 7.2.2. Company Snapshot
 - 7.2.3. Financial Overview
 - 7.2.4. Product Listing
 - 7.2.5. Entropy

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- 7.3. ZOLL Medical Corporation.
 - 7.3.1. Company Overview
 - 7.3.2. Company Snapshot
 - 7.3.3. Financial Overview
 - 7.3.4. Product Listing
 - 7.3.5. Entropy
- 7.4. Medtronic
 - 7.4.1. Company Overview
 - 7.4.2. Company Snapshot
 - 7.4.3. Financial Overview
 - 7.4.4. Product Listing
 - 7.4.5. Entropy
- 7.5. Nyxoah SA.
 - 7.5.1. Company Overview
 - 7.5.2. Company Snapshot
 - 7.5.3. Financial Overview
 - 7.5.4. Product Listing
 - 7.5.5. Entropy
- 7.6. Siesta Medical, Inc.
 - 7.6.1. Company Overview
 - 7.6.2. Company Snapshot
 - 7.6.3. Financial Overview
 - 7.6.4. Product Listing
 - 7.6.5. Entropy
- 7.7. SomnoMed
 - 7.7.1. Company Overview
 - 7.7.2. Company Snapshot
 - 7.7.3. Financial Overview
 - 7.7.4. Product Listing
 - 7.7.5. Entropy
- 7.8. Avery Biomedical Devices, Inc.
 - 7.8.1. Company Overview
 - 7.8.2. Company Snapshot
 - 7.8.3. Financial Overview
 - 7.8.4. Product Listing
 - 7.8.5. Entropy
- 7.9. DynaFlex
 - 7.9.1. Company Overview
 - 7.9.2. Company Snapshot
 - 7.9.3. Financial Overview
 - 7.9.4. Product Listing
 - 7.9.5. Entropy
- 7.10. PANTHERA DENTAL
 - 7.10.1. Company Overview
 - 7.10.2. Company Snapshot
 - 7.10.3. Financial Overview
 - 7.10.4. Product Listing

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- 7.10.5. Entropy
- 7.11. Natus Medical Incorporated
 - 7.11.1. Company Overview
 - 7.11.2. Company Snapshot
 - 7.11.3. Financial Overview
 - 7.11.4. Product Listing
 - 7.11.5. Entropy
- 8. KOL Views
- 9. Project Approach
- 10. About DelveInsight
- 11. Disclaimer & Contact Us

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