

Cough Assisted Devices - Market Insights, Competitive Landscape and Market Forecast-2027

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Report description:

Cough Assisted Devices Market By End-User (Hospitals, Home Care Settings, And Others), by geography, is expected to grow at a significant CAGR forecast till 2027 due to the escalating prevalence of neuromuscular and spinal cord disorders among the patients across the globe and growing approvals of various cough assisted devices

The global cough assisted devices market was valued at USD 157.66 million in 2021, which is expected to grow during the forecast period of 2022 to 2027 with a CAGR of 6.56% to reach USD 230.29 million in 2027. The cough-assisted devices market is gaining momentum owing to the rise in the prevalence of various neuromuscular disorders across the globe. Moreover, the rise in spinal cord injuries, advantages exhibited by the devices over the manual cough assist technique, and increase in product approval of cough assist devices, among others are some of the factors anticipated to augment the global market for cough assist devices.

Cough Assisted Devices Market Dynamics:

The increase in demand for cough-assisted devices is primarily attributed to the growing burden of the patient population suffering from various neuromuscular disorders. This is because neuromuscular disorders weakness the muscles due to which patients are unable to clear secretions effectively thereby raising the demand for these devices. For instance, according to the data provided by the National Organization for Rare Disorders (NORD) in the year 2021, Amyotrophic lateral sclerosis (ALS), a rare disorder that affects various muscles of the body develops in 1.5 to 3 per 100,000 people every year in North American and European populations.

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Also, as per the above-mentioned source, approximately 250,000 individuals in the US were affected by muscular dystrophies. Similar trends are expected to be observed in other regions of the world. Thus, a rise in neuromuscular disorders could potentially increase the demand for cough assist devices as these device blows air into the lungs and pull it out quickly to clear mucus and are effective in patients with an ineffective cough due to muscle weakness.

Furthermore, spinal cord injuries in the mid-cervical vertebrae (C3, C4, and C5) affect the respiratory muscles which may also increase the product demand. For instance, as per the statistics published by the Australian Government in the year 2021, the age-standardized incidence rate of persisting traumatic SCI was to be 8.6 cases per million population aged 15 and over in Australia between the years 2017-2018.

Also, according to Aspire, a leading national charity supporting spinal cord injury patients in the UK, an estimated 50,000 people were living with a spinal cord injury in the UK in 2021. Thus, the demand for cough assist devices is expected to increase in the population affected with spinal cord injury.

Hence, all the above-mentioned factors are projected to bolster the demand for cough assist devices in the forthcoming years.

However, certain factors such as the stringent regulatory process for the approval of the devices and high cost associated with devices are likely to impede the global cough assist devices market growth.

Also, the outbreak of unprecedented COVID-19 has slowed down the market for cough assist devices. This is because COVID-19 is mainly spread through droplets produced by coughing or sneezing. Airway clearance devices such as cough assist, can "aerosolize" the COVID-19 virus - spreading it much more widely. However, the launch of various vaccines and mass vaccination drives across the globe is likely to normalize the post-pandemic scenario.

Cough Assisted Devices Market Segment Analysis:

Cough Assisted Devices Market By End User (Hospitals, Homecare Settings, and Others), and By Geography (North America, Europe, Asia-Pacific, and Rest of the World).

In the Cough Assisted Devices end-user segment, the hospital segment is projected to hold significant market growth in the upcoming years. This is because hospitals are the major facilities that offer treatment across different medical specialties including various spinal cord disorders and neuromuscular disorders. Moreover, hospitals are equipped with advanced technologies and are best prepared in emergency cases, the majority of patients prefer to opt for such facilities for patient care and treatment.

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Therefore, these factors would lead to an increase in admission of patients suffering from such diseases where the muscles of the body weaken causing difficulty in coughing, thereby generating more product demand from hospitals. For instance, as per the data provided by the government of New South Wales in the year 2020, the total number of hospitalizations among people with a history of serious spinal cord injury increased from 2,217 in 2008-09 to 3,888 in 2017-18 in New South Wales.

Hence, owing to the above factors, the hospital segment in the end-user category would generate a noteworthy revenue during the forecast period.

North America is expected to dominate the overall Cough Assisted Devices Market:

Among all the regions, North America is expected to occupy a major share in the overall cough-assisted devices market during the forthcoming years. This domination is owing to the increasing prevalence of the population suffering from various neuromuscular disorders, spinal cord lesions, and others which ultimately affect the muscles and make them weak. Additionally, the presence of key manufacturers in the region, the presence of well-established healthcare facilities, among others would also contribute to the regional market growth of cough assist devices.

Further, in the United States, according to the American Association of Neurological Surgeons 2021, an estimated 450,000 people in the US are living with spinal cord injuries (SCIs). Also, as per the source, every year, approximately 17,000 new SCIs occur in the US. Most of these are caused by trauma to the vertebral column.

Additionally, as per the data provided by NORD in the year 2021, around 30,000 people are affected with ALS in the US and approximately 5,000 new cases of ALS are diagnosed each year.

Thus, the rising patient population with muscle weakness which could cause difficulty in coughing is expected to increase the demand for cough assist devices in the region thereby augmenting the market in the country.

In addition, constant efforts by the manufacturers present in the region to develop new cough assist devices are likely to increase the market. For instance, in April 2017, Ventec Life Systems, an innovator in integrated respiratory care solutions, received 510(k) clearance from the US Food and Drug Administration (FDA) for VOCSN, the only portable life support device to combine five respiratory therapies - Ventilation, Oxygen, Cough, Suction, and Nebulization.

Hence, the interplay of all the aforementioned factors is anticipated to propel the market for cough assist devices in the region during the forecasted period.

Cough Assisted Devices Market Key Players:

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Some of the key market players operating in the Cough Assisted Devices market include Koninklijke Philips N.V., Hill-Rom Services, Inc. (Baxter), Dima Italia Srl, United Hayek Industries Inc., Ventec Life Systems, Air Liquide Medical Systems, Breas Medical Ltd, ABM Respiratory Care, and others.

Recent Developmental Activities in the Cough Assisted Devices Market:

- In July 2020, Hillrom launched two new respiratory therapy devices: the Volara System, which provides hospital-grade oscillation and lung expansion (OLE) therapy, and the Synclara Cough System (a non-invasive therapy that simulates a cough to remove secretions in patients with compromised peak cough flow).
- In March 2020, ABM Respiratory Care received FDA clearance for BiWaze Cough, a device intended for clearing bronchopulmonary secretions.

Key Takeaways from the Cough Assisted Devices Market Report Study

- Market size analysis for current market size (2021), and market forecast for 5 years (2022-2027)
- The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the Cough Assisted Devices market.
- Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years
- Key companies dominating the Global Cough Assisted Devices Market.
- Various opportunities available for the other competitor in the Cough Assisted Devices Market space.
- What are the top-performing segments in 2021? How these segments will perform in 2027.
- Which are the top-performing regions and countries in the current market scenario?
- Which are the regions and countries where companies should have concentrated on opportunities for Cough Assisted Devices market growth in the coming future?

Target Audience who can be benefited from the Cough Assisted Devices Market Report Study

- Cough Assisted Devices providers
- Research organizations and consulting companies
- Cough Assisted Devices-related organization, association, forum, and other alliances
- Government and corporate offices
- Start-up companies, venture capitalists, and private equity firms
- Distributors and Traders in Cough Assisted Devices
- Various End-users who want to know more about the Cough Assisted Devices Market and the latest technological developments in the Cough Assisted Devices market.

Frequently Asked Questions for the Cough Assisted Devices Market:

1. What are Cough Assisted Devices?

Cough Assist Devices are mechanical insufflation-exsufflation devices designed to noninvasively clear secretions from the lungs by simulating a natural cough. The device machine includes a mask, mouthpiece, or tracheostomy adaptor that is applied to the airway.

2. What is the market for Global Cough Assisted Devices?

The global cough assisted devices market was valued at USD 157.66 million in 2021, which is expected to grow during the forecast period of 2022 to 2027 with a CAGR of 6.56% to reach USD 230.29 million in 2027.

3. What are the drivers for the Global Cough Assisted Devices?

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The major factors driving the demand for Cough Assisted Devices are the rising prevalence of various neuromuscular disorders across the globe. Moreover, the rise in spinal cord injuries, advantages exhibited by the devices over the manual cough assist technique, and increase in product approval of cough assist devices, among others are some of the factors anticipated to augment the global market for cough assist devices.

4. What are the key players operating in Global Cough Assisted Devices?

Some of the key market players operating in the Cough Assisted Devices market include Koninklijke Philips N.V., Hill-Rom Services, Inc. (Baxter), Dima Italia Srl, United Hayek Industries Inc., Ventec Life Systems, Air Liquide Medical Systems, Breas Medical Ltd, ABM Respiratory Care, and others.

5. Which region has the highest share in the Cough Assisted Devices market?

Among all the regions, North America is expected to occupy a major share in the overall cough-assisted devices market during the forthcoming years. This domination is owing to the increasing prevalence of the population suffering from various neuromuscular disorders, spinal cord lesions, and others which ultimately affect the muscles and make them weak. Additionally, the presence of key manufacturers in the region, the presence of well-established healthcare facilities, among others would also contribute to the regional market growth of cough assist devices.

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