

Endotracheal Tubes - Market Insights, Competitive Landscape and Market Forecast-2027

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Report description:

Endotracheal Tubes Market By Product Type (Standard, Reinforced, Coated, Others), By Cuff Type (Cuffed And Uncuffed/Cuffless), By Intubation Route (Nasal, Oral, And Others), By Age Group (Adult And Pediatric), By End User (Hospitals, Ambulatory Surgical Centers, And Others), by geography is expected to grow at a steady CAGR forecast till 2027 owing to increase in anesthesia administration during surgeries due to trauma surgeries and mechanical ventilation due to respiratory distress.

Global endotracheal tubes market was valued at USD 1.53 billion in 2021, growing at a CAGR of 4.12% during the forecast period from 2022 to 2027 to reach USD 1.95 billion by 2027. Factors such as the growing prevalence of respiratory disorders, rising number of trauma cases, the increasing prevalence of various cancers, and technological advancements in product development among other factors are expected to drive the endotracheal tubes market.

Endotracheal Tubes Market Dynamics:

One of the key aspects driving the endotracheal tubes market is the growing demand for endotracheal tubes due to increase in the number of cases due to road accidents. According to the factsheet by the World Health Organization (WHO) on Road traffic injuries (2021), near about 1.3 million people lost their lives as a result of road injuries across the globe each year. The factsheet further stated that every year, between 20 and 50 million people suffer from non-fatal injuries which may result in the performance of major lifesaving procedures in order to improve outcomes for patients. Severe road accidents may result in brain damage and may leave patients incapacitated to sustain breathing thereby making respiratory support through intubation

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extremely crucial. Furthermore, administration of anesthesia for conducting surgery reduces reflexes involved in respiratory mechanism. Respiratory support through intubation by endotracheal tubes form a crucial part of medical in the intensive care units. Therefore, the rising incidents of road accidents among other causes of trauma injuries are expected to aid in the growth of the endotracheal tubes market during the forecast period.

Furthermore, another key contributor in the growing demand for endotracheal tubes is the increasing prevalence of various cancers. As per the data provided by the GLOBOCAN study 2020 by the International Agency for Research on Cancer, in 2020, an estimated 19.3 million new cancer cases and almost 10.0 million cancer deaths were reported. Cancer treatments involve chemotherapy, radiation treatment, or hematopoietic stem cell transplant (HCT) among others and may often result in immunosuppression. Cancer patients often suffer from respiratory insufficiency due as a result of these treatments thereby making acute respiratory failure a common complaint among patients with malignancies. Such patients are then treated with invasive and noninvasive ventilation where in endotracheal tubes are employed. Therefore, the rising prevalence of cancers are expected to drive the growth of the endotracheal tubes market during the forecast period.

Additionally, many drug-coated endotracheal tubes are in clinical development such as ISurTec Endotracheal tubes which would help in the prevention of ventilator-assisted pneumonia cases in intubated patients is further expected to drive the demand for endotracheal tubes in coming years.

However, complications associated with the placement of endotracheal tubes as well as mechanical failure of endotracheal tubes, along with increased chances of ventilator-assisted pneumonia in intubated patients may prove to be certain restraints to the endotracheal tubes market growth.

Contrary to other medical specialties, the endotracheal tubes market maintained a steady pace in revenue generation even during the implementation of lockdowns measures to curb the spread of the COVID-19 infection. For instance, the American Association for Bronchology and Interventional Pulmonology recommended performing open surgical tracheostomy (OST) or percutaneous dilatational tracheostomy in case of respiratory failure in COVID patients. This pandemic paved way for emergency product approvals including endotracheal tubes. For instance, a U.S.-based biotech firm, N8, secured emergency use authorization from Health Canada For its CeraSheild Endotracheal Tubes in mechanically ventilated COVID-19 patients. Nevertheless, the market for endotracheal tubes remained majorly undeterred by the pandemic as endotracheal intubation is an emergency procedure and those were being catered to even during the lockdown, and with the resumption of economic activities across the globe, the future outlook for the endotracheal tubes market appears positive during the forecast period.

Endotracheal Tubes Market Segment Analysis:

Endotracheal Tubes Market by Product Type (Standard, Reinforced, Coated, and Others), by Cuff Type (Cuffed and Uncuffed/Cuffless), by Intubation Route (Nasal, Oral, and Others), by Age Group (Adult and Pediatric), by End User (Hospitals, Ambulatory Surgical Centers, and Others), by Geography (North America, Europe, Asia-Pacific, and Rest of the World)

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In the cuff type segment of the endotracheal tubes market, the cuffed endotracheal tubes category is expected to account for the significant market share during the forecast period. This can be ascribed to advantages associated with these devices such as providing a seal within the airway, allowing airflow through the endotracheal tube but preventing passage of air or fluids around the tube. Other advantages associated with cuffed endotracheal tubes such as greater ease of intubation, lower rate and better control of flow of anesthetic gases, better control of air leakage, and decreased risk of aspiration and infection also make them a popular among end users. Therefore, the demand for cuffed endotracheal tubes is estimated to grow during the forecast period.

North America is expected to dominate the Overall Endotracheal Tubes Market:

Among all the regions, North America is expected to account for the significant market share in the orthopedic prosthetics market. North America is estimated to account for the dominant market share because of the increasing prevalence of respiratory diseases such as chronic obstructive pulmonary disease, high number of traumatic brain injury, increasing prevalence of respiratory disorders, increasing volume of surgical procedures as well as high awareness among people regarding disease management and among other factors in the region.

One of the key factors supporting the growth of the North American endotracheal tubes market is the high number of traumatic brain injury in the North American countries, particularly the United States. As per the data provided by the Centers for Disease Control and Prevention (2020), about 166 deaths from traumatic brain injury (TBI) are reported in the country. In 2019, near about 61,000 TBI-related deaths were reported in the country as stated by the above-mentioned source. Brain-injured patients with altered consciousness frequently require intubation and invasive mechanical ventilation to protect the airways from aspiration and to prevent harmful secondary insults wherein endotracheal tubes are employed. Thus, the growing number of traumatic brain injuries in the country may result in increased use of mechanical ventilation ultimately driving the product demand in the United States endotracheal tubes market.

Additionally, another key factor influencing the demand for endotracheal tubes is the increasing prevalence of various respiratory disorders such as chronic obstructive pulmonary disease (COPD) in the region. For instance, as per the Office of Disease Prevention and Health Promotion, United States (2021), about 14.8 million people are affected with COPD in the country in the present scenario. Even though not all cases of COPD present with severe symptoms, considering the presence of large patient pool, patients with COPD-associated exacerbations also make up a huge part of the population. In severe COPD cases, there can be upper and lower airway obstructions which are treated with endotracheal intubation where in endotracheal tubes are used. Therefore, the rising prevalence of various respiratory disorders wherein endotracheal intubation is unavoidable may result in an increase in product demand in the country as well as the region, thereby driving the regional growth of the endotracheal tubes market.

Furthermore, the prompt and well-established healthcare services and infrastructure further contributes to the growth of the regional endotracheal tubes market growth. Moreover, the presence of key players in the region and supportive reimbursement programs further provide immense growth opportunities for endotracheal tubes market.

Endotracheal Tubes Market Key Players:

Some of the key market players operating in the endotracheal tubes market includes Medtronic, Smiths Medical, Teleflex Incorporated, VYAIRE MEDICAL, INC., Avanos Medical, Inc, ConvaTec, Inc., BACTIGUARD AB, Vygon, N8 Medical, LLC, Novo Klinik-Service GmbH, Intersurgical Ltd, Salter Labs (SunMed), Angioplast Pvt Ltd., Guangzhou Orcl Medical Co.,Ltd, ROYAX, S.R.O,

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Sumi, HUM Gesellschaft für Homecare und Medizintechnik mbH, MEDADV Medical, Van Oostveen Medical B.V., DEAS S.R.L and others.

Recent Developmental Activities in Endotracheal Tubes Market:

? In November 2020, Brian Medical Inc received the 510k product approval from the US Food and Drug Administration for their Tenax Laser Resistant Endotracheal Tube.

? In April 2020, Hydromer partnered with N8 Medical to become the exclusive coating supplier as well as manufacturing partner for the latter's CeraShield Endotracheal Tube.

Key Takeaways from the Endotracheal Tubes Market Report Study

? Market analysis for current endotracheal tubes 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 endotracheal tubes market.

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

? Key companies dominating the global endotracheal tubes market.

? Various opportunities available for the other competitor in the endotracheal tubes market space.

? What are the top performing segments in 2021? How these segments will perform in 2027.

? Which is the top-performing regions and countries in the current endotracheal tubes market scenario?

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

Target Audience who can be benefited from this Endotracheal Tubes Market Report Study

? Endotracheal Tubes products providers

? Research organizations and consulting companies

? Endotracheal Tubes-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 endotracheal tubes

? Various End-users who want to know more about the endotracheal tubes market and latest technological developments in the endotracheal tubes market. ?

Frequently Asked Questions for Endotracheal Tubes Market:

1. What is an Endotracheal Tube?

An endotracheal tube is a flexible plastic tube that is placed through the mouth into the trachea (windpipe) to help a patient breathe which is employed in mechanical ventilation.

2. What is the market for Global Endotracheal Tubes?

Global endotracheal tubes market was valued at USD 1.53 billion in 2021, growing at a CAGR of 4.12% during the forecast period from 2022 to 2027 to reach USD 1.95 billion by 2027.

3. What are the drivers for Global Endotracheal Tubes Market?

Factors such as the growing prevalence of respiratory disorders, rising number of trauma cases, the increasing prevalence of various cancers, and technological advancements in product development among other factors are expected to drive the

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endotracheal tubes market.

4. Who are the key players operating in Global Endotracheal Tubes Market?

Some of the key market players operating in the endotracheal tubes market includes Medtronic, Smiths Medical, Teleflex Incorporated, VYAIRE MEDICAL, INC., Avanos Medical, Inc, ConvaTec, Inc., BACTIGUARD AB, Vygon, N8 Medical, LLC, Novo Klinik-Service GmbH, Intersurgical Ltd, Salter Labs (SunMed), Angioplast Pvt Ltd., Guangzhou Orcl Medical Co.,Ltd, ROYAX, S.R.O, Sumi, HUM Gesellschaft für Homecare und Medizintechnik mbH, MEDADV Medical, Van Oostveen Medical B.V., DEAS S.R.L and others.

5. Which region has the highest share in Endotracheal Tubes market?

North America is estimated to account for the dominant market share because of the increasing prevalence of respiratory diseases such as chronic obstructive pulmonary disease, high number of traumatic brain injury, increasing prevalence of respiratory disorders, increasing volume of surgical procedures as well as high awareness among people regarding disease management and among other factors in the region.

Table of Contents:

- 1.Endotracheal Tubes Market Report Introduction
- 2.Endotracheal Tubes Market Executive Summary
 - 2.1 Scope of the Study
 - 2.2 Market at Glance
 - 2.3 Competitive Assessment
 - 2.4 Financial Benchmarking
- 3. Regulatory and Patent Analysis
 - 3.1 The United States
 - 3.2 Europe
 - 3.3 Japan
 - 3.4 China
- 4. Endotracheal Tubes Market Key Factors Analysis
 - 4.1 Endotracheal Tubes Market Drivers
 - 4.1.1 Rising Number of Trauma and Accident Cases
 - 4.1.2 Increasing Prevalence of Respiratory Disorders such as COPD
 - 4.1.3 Growing Prevalence of Various Cancers
 - 4.1.4 Technological Advancements in Product Development
 - 4.2 Endotracheal Tubes Market Restraints and Challenges
 - 4.2.1 Complications Associated with the Placement of Endotracheal Tubes
 - 4.2.2 Mechanical Failure of Endotracheal Tube
 - 4.3 Endotracheal Tubes Market Opportunities
 - 4.3.1 Development of Safer Endotracheal Tubes
 - 4.3.2 Improvement in Design of Endotracheal Tubes
- 5. Endotracheal Tubes Market Porter's Five Forces Analysis
 - 5.1 Bargaining Power of Suppliers

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- 5.2 Bargaining Power of Consumers
- 5.3 Threat of New Entrants
- 5.4 Threat of Substitutes
- 5.5 Competitive Rivalry
- 6. COVID-19 Impact Analysis on Endotracheal Tubes Market
- 7. Endotracheal Tubes Market Layout
 - 7.1 By Product Type
 - 7.1.1 Standard
 - 7.1.2 Reinforced
 - 7.1.3 Coated
 - 7.1.4 Others
 - 7.2 By Cuff Type
 - 7.2.1 Cuffed
 - 7.2.2 Uncuffed/Cufless
 - 7.3 By Intubation Route
 - 7.3.1 Oral
 - 7.3.2 Nasal
 - 7.3.3 Others
 - 7.4 By Age Group
 - 7.4.1 Adult
 - 7.4.2 Pediatric
 - 7.5 By End User
 - 7.5.1 Hospitals
 - 7.5.2 Ambulatory Surgical Centers
 - 7.5.3 Others
 - 7.6 By Geography
 - 7.6.1 North America
 - 7.6.1.1 North America Endotracheal Tubes Market, by Product Type
 - 7.6.1.2 North America Endotracheal Tubes Market, by Cuff Type
 - 7.6.1.3 North America Endotracheal Tubes Market, by Intubation Route
 - 7.6.1.4 North America Endotracheal Tubes Market, by Age Group
 - 7.6.1.5 North America Endotracheal Tubes Market, by End User
 - 7.6.1.6 North America Endotracheal Tubes Market, by Country
 - 7.6.1.6.1 United States
 - 7.6.1.6.2 Canada
 - 7.6.1.6.3 Mexico
 - 7.6.2 Europe
 - 7.6.2.1 Europe Endotracheal Tubes Market, by Product Type
 - 7.6.2.2 Europe Endotracheal Tubes Market, by Cuff Type
 - 7.6.2.3 Europe Endotracheal Tubes Market, by Intubation Route
 - 7.6.2.4 Europe Endotracheal Tubes Market, by Age Group
 - 7.6.2.5 Europe Endotracheal Tubes Market, by End User
 - 7.6.2.6 Europe Endotracheal Tubes Market, by Country
 - 7.6.2.6.1 France
 - 7.6.2.6.2 Germany
 - 7.6.2.6.3 United Kingdom
 - 7.6.2.6.4 Italy

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- 7.6.2.6.5 Spain
- 7.6.2.6.6 Russia
- 7.6.2.6.7 Rest of Europe
- 7.6.3 Asia-Pacific
 - 7.6.3.1 Asia-Pacific Endotracheal Tubes Market, by Product Type
 - 7.6.3.2 Asia-Pacific Endotracheal Tubes Market, by Cuff Type
 - 7.6.3.3 Asia-Pacific Endotracheal Tubes Market, by Intubation Route
 - 7.6.3.4 Asia-Pacific Endotracheal Tubes Market, by Age Group
 - 7.6.3.5 Asia-Pacific Endotracheal Tubes Market, by End User
 - 7.6.3.6 Asia-Pacific Endotracheal Tubes Market, by Country
 - 7.6.3.6.1 China
 - 7.6.3.6.2 Japan
 - 7.6.3.6.3 India
 - 7.6.3.6.4 Australia
 - 7.6.3.6.5 South Korea
 - 7.6.3.6.6 Rest of Asia Pacific
- 7.6.4 Rest of the World (RoW)
 - 7.6.4.1 RoW Endotracheal Tubes Market, by Product Type
 - 7.6.4.2 RoW Endotracheal Tubes Market, by Cuff Type
 - 7.6.4.3 RoW Endotracheal Tubes Market, by Intubation Route
 - 7.6.4.4 RoW Endotracheal Tubes Market, by Age Group
 - 7.6.4.5 RoW Endotracheal Tubes Market, by End User
 - 7.6.4.6 RoW Endotracheal Tubes Market, by Region
 - 7.6.4.6.1 Middle East
 - 7.6.4.6.2 Africa
 - 7.6.4.6.3 South America
- 8. Endotracheal Tubes Market Global Company Share Analysis - Key 3-5 Companies
- 9. Endotracheal Tubes Market Company and Product Profiles
 - 9.1 Medtronic
 - 9.1.1. Company Overview
 - 9.1.2. Company Snapshot
 - 9.1.3. Financial Overview
 - 9.1.4 Product Listing
 - 9.1.5. Entropy
 - 9.2 Smiths Medical
 - 9.2.1. Company Overview
 - 9.2.2. Company Snapshot
 - 9.2.3. Financial Overview
 - 9.2.4 Product Listing
 - 9.2.5. Entropy
 - 9.3 Teleflex Incorporated
 - 9.3.1. Company Overview
 - 9.3.2. Company Snapshot
 - 9.3.3. Financial Overview
 - 9.3.4 Product Listing
 - 9.3.5. Entropy
 - 9.4 VYAIRE MEDICAL, INC

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- 9.4.1. Company Overview
- 9.4.2. Company Snapshot
- 9.4.3. Financial Overview
- 9.4.4 Product Listing
- 9.4.5. Entropy
- 9.5 Avanos Medical Inc
 - 9.5.1. Company Overview
 - 9.5.2. Company Snapshot
 - 9.5.3. Financial Overview
 - 9.5.4 Product Listing
 - 9.5.5. Entropy
- 9.6 ConvaTec, Inc
 - 9.6.1. Company Overview
 - 9.6.2. Company Snapshot
 - 9.6.3. Financial Overview
 - 9.6.4 Product Listing
 - 9.6.5. Entropy
- 9.7 BACTIGUARD AB
 - 9.7.1. Company Overview
 - 9.7.2. Company Snapshot
 - 9.7.3. Financial Overview
 - 9.7.4 Product Listing
 - 9.7.5. Entropy
- 9.8 Vygon
 - 9.8.1. Company Overview
 - 9.8.2. Company Snapshot
 - 9.8.3. Financial Overview
 - 9.8.4 Product Listing
 - 9.8.5. Entropy
- 9.9 N8 Medical, LLC
 - 9.9.1. Company Overview
 - 9.9.2. Company Snapshot
 - 9.9.3. Financial Overview
 - 9.9.4 Product Listing
 - 9.9.5. Entropy
- 9.10 Novo Klinik-Service GmbH
 - 9.10.1. Company Overview
 - 9.10.2. Company Snapshot
 - 9.10.3. Financial Overview
 - 9.10.4 Product Listing
 - 9.10.5. Entropy
- 9.11 Intersurgical Ltd
 - 9.11.1. Company Overview
 - 9.11.2. Company Snapshot
 - 9.11.3. Financial Overview
 - 9.11.4 Product Listing
 - 9.11.5. Entropy

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- 9.12 Salter Labs (SunMed),
 - 9.12.1. Company Overview
 - 9.12.2. Company Snapshot
 - 9.12.3. Financial Overview
 - 9.12.4 Product Listing
 - 9.12.5. Entropy
- 9.13 Angioplast Pvt Ltd
 - 9.13.1. Company Overview
 - 9.13.2. Company Snapshot
 - 9.13.3. Financial Overview
 - 9.13.4 Product Listing
 - 9.13.5. Entropy
- 9.14 Guangzhou Orcl Medical Co.,Ltd
 - 9.14.1. Company Overview
 - 9.14.2. Company Snapshot
 - 9.14.3. Financial Overview
 - 9.14.4 Product Listing
 - 9.14.5. Entropy
- 9.15 ROYAX, S.R.O
 - 9.15.1. Company Overview
 - 9.15.2. Company Snapshot
 - 9.15.3. Financial Overview
 - 9.15.4 Product Listing
 - 9.15.5. Entropy
- 9.16 Sumi
 - 9.16.1. Company Overview
 - 9.16.2. Company Snapshot
 - 9.16.3. Financial Overview
 - 9.16.4 Product Listing
 - 9.16.5. Entropy
- 9.17 HUM Gesellschaft fur Homecare und Medizintechnik mbH
 - 9.17.1. Company Overview
 - 9.17.2. Company Snapshot
 - 9.17.3. Financial Overview
 - 9.17.4 Product Listing
 - 9.17.5. Entropy
- 9.18 MEDADV Medical
 - 9.18.1. Company Overview
 - 9.18.2. Company Snapshot
 - 9.18.3. Financial Overview
 - 9.18.4 Product Listing
 - 9.18.5. Entropy
- 9.19 Van Oostveen Medical B.V
 - 9.19.1. Company Overview
 - 9.19.2. Company Snapshot
 - 9.19.3. Financial Overview
 - 9.19.4 Product Listing

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- 9.19.5. Entropy
- 9.20 DEAS S.R.L
- 9.20.1. Company Overview
- 9.20.2. Company Snapshot
- 9.20.3. Financial Overview
- 9.20.4 Product Listing
- 9.20.5. Entropy
- 10. KOL Views
- 11. Project Approach
- 12. About DelveInsight
- 13. Disclaimer & Contact Us

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