

North America Digital Thoracic Drainage Devices Market Forecast to 2030 - Regional Analysis - by Product Type (Single Chamber and Multiple Chambers), Application (Cardiac Surgery, Thoracic and Pulmonary Surgery, Oncology and Trauma, Infectious Diseases, and Others), and End User (Hospitals, Ambulatory Surgical Centers, and Others)

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Abstracts

The North America digital thoracic drainage devices market is expected to grow from US\$ 51.10 million in 2022 to US\$ 77.70 million by 2030. It is estimated to grow at a CAGR of 5.4% from 2022 to 2030.

Need for Digital Thoracic Drainage Post-Thoracic Surgery Fuels North America Digital Thoracic Drainage Devices Market

The count of thoracic surgeries performed is increasing due to the rising incidence of lung cancer. ~80% of the total thoracic surgeries are performed for the treatment of lung cancer and its types. The type of lung cancer includes oesophageal cancer and the cancers diagnosed in the pericardium, the chest wall, and mediastinum tumors. According to the World Cancer Research Fund International, lung cancer is the second most common cancer worldwide. The number of thoracic surgeries performed worldwide has increased notably with the prevalence of the disease and a surge in its diagnosis. According to the research article "A brief overview of thoracic surgery in the US," published in the Journal of Thoracic Disease in January 2022, nearly 530,000 general thoracic surgeries are performed annually in the US. The number of thoracic surgeries will continue to increase in the coming years with the rising incidence of lung cancer. Thus, the demand for digital thoracic drainage devices is increasing with the

rising incidence of lung cancer.

The field of thoracic surgery is growing technically and technologically into a prominent surgical specialty. Thoracic surgery has witnessed progress due to the developments made in the minimally invasive approaches. In addition, the developments have been made for peri-operative care also it has integrated surgery into treatment of chest diseases through multi-modality treatment. Further procedures, such as elective segmentectomy, enhanced recovery programs, uniport surgery, and adjuvant target therapy has allowed treatments for early-stage lung cancer, resulting in increasing number of thoracic surgeries. Moreover, the number of thoracic surgeries is increasing with technical developments, leading to much better results than surgeries performed a decade ago. Most thoracic surgeries are performed robotically or by video-assisted thoracoscopic surgery (VATS) lobectomy, which results in fewer complications and faster recovery. Thoracic drainage devices are essential post-surgery to remove large air leakage and excessive fluid from the pleural cavity.

Apart from lung cancers, thoracic surgeries are performed for treating cardiovascular diseases and other chronic diseases. These procedures also include first rib resection for thoracic outlet syndrome, myotomy for Achalasia, esophagectomy and reconstruction for end-stage benign oesophageal disease, thymectomy for Myasthenia Gravis, sympathectomy for hyperhidrosis, and so on. These diseases are common among elderlies, and people suffering from respiratory disorders and other health conditions. Thus, a rise in the geriatric population triggers the number of thoracic surgeries performed as a treatment, thereby leading to the need for digital thoracic drainage devices.

North America Digital Thoracic Drainage Devices Market Overview

The market growth in North America is attributed to the growing adoption of the latest medical device technologies, and the increasing incidences of chronic diseases such as lung cancer, cardiovascular diseases, and chronic respiratory diseases. In addition, the Mexican tourism sector is likely to offer growth opportunities to the North America digital thoracic drainage devices market in the region.

The US accounts for the largest share of the North America digital thoracic drainage devices market in North America. The market growth is primarily driven by the increasing incidence of lung cancer, ongoing developments in medical devices and burgeoning growing adoption of advanced medical devices, and rising incidences of cardiovascular diseases and respiratory diseases. In addition, the rising number of

minimally invasive surgeries, supported by the presence of a well-developed healthcare infrastructure, has triggered the demand for digital thoracic drainage devices across the US. Moreover, effective health insurance policies allow patients to undergo treatments with ease and cost-effectiveness. As per the estimates published by the American Cancer Society in January 2023, the US is likely to record 238,340 new cancer cases in 2023. Due to technological advancements, it is now possible to treat lung cancer at any stage. Therefore, with the increased diagnosis, the demand for digital thoracic drainage devices is likely to rise among people undergoing surgical procedures.

The number of heart surgeries performed in the US is increasing with the rise in cardiovascular disease cases. According to the Texas Heart Institute, thousands of heart surgeries are performed every single day across the country. Moreover, there has been substantial growth in the number of heart transplant surgeries despite the shortage of organ donors. Texas Heart Institute reveals that nearly 3,400 people undergo heart transplants annually. Thus, the demand for digital thoracic drainage devices is expected to increase with the number of heart surgeries.

North America Digital Thoracic Drainage Devices Market Revenue and Forecast to 2030 (US\$ Million)

North America Digital Thoracic Drainage Devices Market Segmentation

The North America digital thoracic drainage devices market is segmented into product type, application, end user, and country.

Based on product type, the North America digital thoracic drainage devices market is segmented into single chamber and multiple chambers. The single chamber segment held a larger share of the North America digital thoracic drainage devices market in 2022.

Based on application, the North America digital thoracic drainage devices market is segmented into cardiac surgery, thoracic and pulmonary surgery, oncology and trauma, infectious diseases, and others. The thoracic and pulmonary surgery segment held the largest share of the North America digital thoracic drainage devices market in 2022.

Based on end user, the North America digital thoracic drainage devices market is segmented into hospitals, ambulatory surgical centers, and others. The hospitals segment held the largest share of the North America digital thoracic drainage devices market in 2022.

Based on country, the North America digital thoracic drainage devices market is segmented into the US, Canada, and Mexico. The US dominated the North America digital thoracic drainage devices market in 2022.

ATMOS MedizinTechnik GmbH & Co KG, Cardinal Health Inc, Centese Inc, Digicare Biomedical Technology Inc, Getinge AB, Medela AG, Redax SpA, Rocket Medical Plc, and Teleflex Inc are some of the leading companies operating in the North America digital thoracic drainage devices market.

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