

# Global Ventilator Market: Analysis and Forecast, 2021-2030

<https://marketpublishers.com/r/G594172BFDDAEN.html>

Date: June 2020

Pages: 311

Price: US\$ 5,000.00 (Single User License)

ID: G594172BFDDAEN

## Abstracts

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Market Report Coverage - Ventilator Market

Market Segmentation

Product Type – Intensive Care Ventilator and Portable Ventilator

Modality – Invasive Ventilation and Non-Invasive Ventilation

Patient Age- Adult and Pediatric and Neonates

End User – Hospitals and Specialty Clinics, Emergency Medical Services, and Homecare

Regional Segmentation

North America – U.S., Canada

Europe – Germany, U.K., France, Italy, Spain, Rest-of-Europe

Asia-Pacific – China, Japan, India, South Korea, Singapore, Australia and New Zealand, Rest-of-Asia-Pacific

Rest-of-the-World – Latin America, Middle East and Africa

## Growth Drivers

Increasing Respiratory Disease Incidences

Rising Geriatric Population

Increase in Number of ICU Beds

High Number of Premature Births

Government and Organizational Initiatives to Boost Ventilator Production

## Market Challenges

Complications and Side-Effects Associated with Ventilator Usage

Lack of Trained Medical Staff

## Market Opportunities

Coronavirus Outbreak Leading to Rising Global Ventilator Demand

Increasing Requirement of Portable Ventilators for Homecare and Emergency Usage

Development of Digital Education and Training Tool

## Key Healthcare and Non-Healthcare Companies Profiled

Aerobiosys Innovations Private Limited, Air Liquide, Drägerwerk AG & Co. KGaA, General Electric Company, Getinge AB, Hamilton Medical, Koninklijke Philips N.V., L?wenstein Medical Innovation GmbH & Co. KG, Medtronic plc, OneBreath Inc., Penlon Ltd, ResMed, SCHILLER, Shenzhen Mindray Bio-Medical Electronics Co., Ltd., Smiths Group plc, Ventec Life Systems, Ventinova Medical, VYAIRE MEDICAL, INC.,

WEINMANN Emergency Medical Technology GmbH + Co. KG, ZOLL Medical Corporation

Non-Healthcare Companies

Dyson Ltd, Ford Motor Company, General Motors Company, Maruti Suzuki India Limited, Virgin Orbit

Key Questions Answered:

What are the product types offered by the key players within the global ventilator market?

What was the total installed base of ventilators, by country, in 2019?

What is the change witnessed in the growth rate of the global ventilator market from pre-COVID to post-COVID scenario?

What are the key developmental strategies which are implemented by the key players to sustain in the competitive market?

What are the strategies opted by the healthcare and non-healthcare companies amidst coronavirus pandemic to meet the high demand for ventilators?

What are the opportunities and challenges faced by healthcare and non-healthcare companies within the global ventilator market?

What was the market share of each of the companies in mechanical ventilator and non-invasive ventilator segments of the global ventilator market in 2019?

What are the pricing trends of ventilators in the last five years?

What are the major regulatory changes taking place in the global ventilator market pre-COVID-19, during COVID-19, and post-COVID-19? How are these changes expected to impact the global ventilator market in the future?

How is the industry expected to evolve during the forecast period, 2021-2030?

What will be the impact on the products that have been awarded emergency use

authorization (EUA) during the COVID-19 pandemic, once the pandemic is over?

How has the supply and demand of the ventilator changed during the COVID-19 phase in contrast to the pre-COVID-19 phase?

What is the market value estimates of the leading segments of the global ventilator market in 2030?

What is the change witnessed in the growth rate of the global ventilator market from pre-COVID to post-COVID scenario?

What are the major driving factors, challenges, and opportunities for the global ventilator market? What will be the impact of these factors once the COVID-19 pandemic is over?

What is the growth potential of the global ventilator market in each region, including North America, Europe, Asia-Pacific, and Rest-of-the-World?

What impact of large ventilator inventories on the global ventilator market is expected once the COVID-19 pandemic is over?

## Market Overview

The global ventilator market is witnessing an exponential rise in the size of the market due to the ongoing COVID-19 pandemic. The overall market was estimated to be \$1,072 million in FY 2018, and it was expected to grow at a CAGR of 7.1% in the pre-COVID scenario. However, the COVID-19 pandemic has resulted in an extensive rise in the ventilator demand and has increased the growth rate by up to 172% in 2020. Presently, more than 45 companies are operating in this market, including already exiting healthcare companies and emerging non-healthcare companies. The maximum number of installed ventilators are in the U.S., followed by China and India. However, there is still a requirement for an additional 85,000 ventilators to cope with the COVID-19 pandemic. This demand and supply deficit of ventilators worldwide has led to major changes within the dynamics of the global ventilator market.

Moreover, to cope with the rising demand for ventilators, regulatory bodies across different regions, such as the Food and Drug Administration (FDA), Health Canada, and

Therapeutics Goods Administration (TGA), have taken unprecedented steps. For instance, in March 2020 FDA declared COVID-19 pandemic as a public emergency and authorized anesthesia gas machines, continuous positive airway pressure (CPAP), and other sleep apnea devices as alternative ventilators under emergency use authorization (EUA). Furthermore, in April 2020, the TGA published a document stating the minimum requirements to be met by medical devices to be used as alternative ventilators.

Our healthcare experts are continuously analyzing the impact of regulatory and industrial decisions on the global ventilator market. The market is driven by certain factors, which include the rising incidence of respiratory diseases, high rate of premature births, rising demand for critical care in the geriatric population, and government initiatives for boosting the ventilator production.

The market is favored by the development of low-cost ventilator products and partnerships between healthcare and non-healthcare companies for scaling up the ventilator production.

Within the research report, the market is segmented based on product type, modality, patient age, end user and regional analysis. Each of these segments covers the snapshot of the market over the projected years, the inclination of the market revenue, underlying patterns, and trends by using analytics on the primary and secondary data obtained.

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