

Neonatal Ventilators Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 120 pages | Mordor Intelligence

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Report description:

The neonatal ventilators market is projected to register a CAGR of 6.8% during the forecast period (2022-2027).

The outbreak of COVID-19 impacted the neonatal ventilator market significantly. The disease has disrupted the supply chain of medical devices, including neonatal ventilators. However, there has also been a positive impact and increased demand for intensive care equipment, including beds and ventilators for neonates and adults and personal protective equipment for healthcare. The demand for neonatal ventilators has witnessed significant growth during the COVID-19 pandemic due to a surge in the implementation of neonatal ventilators for COVID-19-infected patients across the globe. Several industry players, including GE Healthcare, Getinge AB, Medtronic, Hamilton Medical, and ICU Medical, are investing in developing and distributing as many ventilators as possible across the globe owing to the lack of neonatal ventilators in many countries.

Babies are prone to various health risks, while low-weight birth is when babies are born weighing less than 5.8 pounds. Preterm births are one of the major factors responsible for low-weight births. Preterm and low-weight babies are prone to various medical conditions and infections, and in the treatment of these diseases, neonatal ventilators are used, which is expected to fuel the growth in the neonatal ventilators market over the forecast period of the study. For instance, as per a research study published in July 2020 titled "Global Burden of Preterm Birth", every year, about 15 million babies are born preterm around the world, with diseases global preterm birth rate of about 11%. Similarly, according to the European Union Research and Innovation Magazine's report of July 2020, approximately 500,000 premature babies are born every year in Europe, and the number of premature babies in the region is increasing due to the increasing prevalence of diabetes and obesity among the women along with the rise in multiple births due to the fertility treatments, and these factors will add to the growth of the studied market of neonatal ventilators.

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Further, according to the Centers for Disease Control and Prevention (CDC), preterm birth affected 1 of every 10 infants born in the United States in 2020, and these babies are at a higher risk of death and disability. These babies require specialized care. Hence, the demand for neonatal ventilators is expected to grow exponentially. With the rising cases of newborns, the demand for this equipment is also projected to increase in the near future. The neonatal ventilator has been observed to have increasing demand in middle-income countries, as birth rates in these countries are higher, and the priority for improved fetal and neonatal care is high. Constant technological advancements such as patient-triggered ventilation and VT monitoring at the proximal airway are further spurring the market growth. As a result, sales of neonatal ventilators are expected to flourish at a rapid rate. However, the high cost associated with the ventilators may hamper the demand for the neonatal ventilators market.

Neonatal Ventilators Market Trends

Portable Neonatal Ventilators is Anticipated to have a Highest Share in the Studied Market Over Forecast Period

The portable neonatal ventilator segment is expected to dominate the global neonatal ventilator market through the forecast period. This can be attributed to the rising adoption of these ventilators due to a proximal flow sensor for precise measurements, intelligitrig leak compensation, and ease of use. The transport of neonates within the hospital setting is a common event that exposes patients to risks normally not encountered in the stationary environment. As per the study of neonatal transports conducted by NICU, almost 43.8% of neonates who suffer from respiratory disorders need ventilation support during transport, which portable neonatal ventilators can eliminate.

The device will transform ventilatory care through its small size, portability, ease of use, versatility, and extended battery life. By costing as little as one-third of other ICU ventilators and offering both invasive and noninvasive capabilities, the device is ideally suited, regardless of location or severity. These factors are expected to drive the segment's market.

North America is Expected to Occupy a Major Share in the Neonatal Ventilators Market Over Forecast Period

North America is expected to dominate the overall neonatal ventilators market throughout the forecast period. Factors such as high purchasing power, technological advancements in the field, and government initiatives regarding infant safety such as the "United Nations' Millennium Development Goal" have contributed to the growth of the market in the North American region. The value-based healthcare model has led to the development of well-equipped NICU centers and an increasing number of approvals for these devices from the FDA, thereby contributing to the market growth. North America is followed by the Asia Pacific, which is anticipated to witness lucrative growth over the forecast period. The market in this region is primarily driven by an increase in birth rate and rising pre-term birth cases in countries like China and India. Infrastructural development and improved healthcare policies promoting better care provision are also the prime factors contributing to the market growth in this region.

Neonatal Ventilators Market Competitor Analysis

The major players include companies such as Drägerwerk AG & Co. KGaA, GENERAL ELECTRIC COMPANY, Getinge AB, Hamilton Medical, Koninklijke Philips N.V., Medtronic, ResMed, ICU Medical, VYAIR, Fosun Pharma, and Air Liquide Medical Systems India.

These companies are actively involved in product innovations and technological advancements to ensure better recognition, push product sales, and meet the increasing demand during and after the pandemic. For example, in May 2020, Mahindra and Mahindra launched ventilators to treat COVID-19 infected patients in India. With the scarcity of equipment in countries and growing patient numbers during the pandemic, Mahindra and Mahindra invested in developing its own device in the country.

Additional Benefits:

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The market estimate (ME) sheet in Excel format
3 months of analyst support

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