

Leading Factor Driving The Neonatal Respiratory Distress Syndrome Treatment Market In 2025:

Neonatal Respiratory Distress Syndrome Treatment Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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How Has [The Neonatal Respiratory Distress Syndrome Treatment Market](#) Evolved And What Does The Future Hold?



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The neonatal respiratory distress syndrome treatment market has shown strong growth over the years. In the historical period, the market size increased from \$0.96 billion in 2024 to \$1.03 billion in 2025, growing at a compound annual growth rate CAGR of 8.3%. This significant growth can be accredited to an escalating permeability and fluid accumulation within the alveoli,

increasing alveolar-capillary permeability, a rise in the utilization of mechanical ventilation, and a growing awareness among healthcare providers and parents regarding the importance of [neonatal care](#). Not forgetting, increasing healthcare investments have also contributed to this market expansion.

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Looking ahead, the neonatal respiratory distress syndrome treatment market is expected to register substantial growth, reaching \$1.41 billion in 2029 at a CAGR of 8.0%. Rising NICU admissions, an increasing preference for accessories and consumables, surges in demand for

personalized medicine, increasing research & development activities, and the growth of premature births are set to fuel this forecasted growth. Key trends for the forecast period include the innovation in surfactant therapy, the integration of artificial intelligence AI in NICUs, technological advancements in neonatal care, and the introduction of advanced ventilator technologies.

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What Is Driving Future Growth In The Neonatal Respiratory Distress Syndrome Treatment Market?

A key growth propeller for this market is the rising incidence of premature births. Premature birth, or preterm birth, refers to babies born before the completion of 37 weeks of pregnancy. With an average pregnancy lasting 40 weeks, those born before 32 weeks face the most severe health risks. These premature births are increasing due to a myriad of reasons, including older maternal age, multiple pregnancies, health conditions, lifestyle choices, use of fertility treatments, infections, and environmental factors. Neo-natal respiratory distress syndrome NRDS treatment has become more necessary for premature infants due to underdeveloped lungs and insufficient surfactant production. This treatment aids in lung function improvement, respiration stabilization, and reducing the risk of respiratory failure in premature babies.

Who Are The Key Players In The Neonatal Respiratory Distress Syndrome Treatment Market?

The neonatal respiratory distress syndrome treatment market is thriving with major players such as Merck & Co. Inc., AbbVie Inc., Bayer AG, Abbott Laboratories, Medtronic Plc, Medline Industries, Becton Dickinson, Stryker Corporation, GE Healthcare, Koninklijke Philips NV, ResMed Inc., Drägerwerk AG & Co. KGaA, Chiesi Farmaceutici, ICU Medical Inc., Fisher & Paykel Healthcare, and several others. These giants are shaping the industry landscape through pioneering research and innovations.

What Are The Emerging Trends In The Neonatal Respiratory Distress Syndrome Treatment Market?

Major market players are focused on developing advanced technologies such as nitric oxide generators to enhance oxygenation, minimize respiratory complications, and offer non-invasive treatments for neonates with hypoxic respiratory failure. For example, in June 2022, Beyond Air Inc., a US-based medical device and biopharmaceutical company, received FDA approval for LungFit PH - an innovative nitric oxide generator designed especially for treating term and near-term neonates with hypoxic respiratory failure.

How Is The Market Segmented?

- 1 Therapy: Oxygen Therapy, Surfactant Therapy
- 2 Route Of Administration: Parenteral, Inhalation, Other Routes Of Administration
- 3 End User: Hospitals, Sub-Acute Facilities, Home Care, Retail Pharmacies

And further breaks it down into:

- 1 By Oxygen Therapy: Conventional Oxygen Therapy, High-Flow Nasal Cannula HFNC Oxygen Therapy, Continuous Positive Airway Pressure CPAP Oxygen Therapy, Invasive Mechanical Ventilation With Oxygen Therapy
- 2 By Surfactant Therapy: Natural Surfactants, Synthetic Surfactants, Combined Surfactant Therapy Natural + Synthetic, Prophylactic Surfactant Therapy, Rescue Surfactant Therapy

What Is The Regional Market Landscape?

In 2024, North America held the lion's share of the neonatal respiratory distress syndrome treatment market. However, moving forward, Asia-Pacific is slated to be the fastest-growing region, giving businesses a prime opportunity for expansion. The break down of regions includes Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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