

Respiratory Monitoring Devices Market to Hit \$9.3B by 2031 - Driven by Tech and Aging Populations | DataM Intelligence

Respiratory monitoring devices market grows with rising respiratory diseases, aging population, and demand for smart, portable, and home-based healthcare tech.

AUSTIN, TX, UNITED STATES, May 27, 2025 /EINPresswire.com/ -- The [Respiratory Monitoring Devices Market](https://www.datamintelligence.com/respiratory-monitoring-devices-market) was valued at USD 4.6 billion in 2022 and is anticipated to experience robust growth, potentially reaching USD 9.3 billion by 2031. The global market is projected to expand at a compound annual growth rate (CAGR) of 9.3% between 2024 and 2031.



The Respiratory Monitoring Devices Market is experiencing a dynamic growth trajectory, fueled by rising respiratory health concerns, advances in medical technology, and increasing healthcare awareness worldwide. These devices are essential in diagnosing, treating, and managing respiratory conditions like asthma, chronic obstructive pulmonary disease (COPD), and sleep apnea conditions that have seen a sharp rise due to environmental pollution, smoking habits, and an aging global population.

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Key Market Drivers

Increasing Prevalence of Respiratory Disorders

Conditions such as asthma, bronchitis, COPD, and pneumonia are becoming increasingly common, particularly in urban and industrial regions. According to global health data, hundreds of millions of people suffer from chronic respiratory diseases annually, which drives the need for timely monitoring and intervention.

Technological Innovation

Advances in wireless, wearable, and contactless monitoring technologies are revolutionizing respiratory care. Devices today are smarter, more accurate, and user-friendly, catering not only to hospitals but also to home healthcare markets. Remote patient monitoring tools have become increasingly important, especially since the COVID-19 pandemic brought respiratory health to the forefront of global awareness.

Aging Population and Home-Based Care Trends

With the rise in elderly populations worldwide, the demand for non-invasive and continuous respiratory monitoring is growing. Many elderly patients prefer home-based solutions that allow for regular check-ups without frequent hospital visits, prompting a shift in the market towards portable and home-use devices.

Regional Outlook

North America

North America leads the respiratory monitoring devices market, largely due to a well-established healthcare infrastructure, high adoption of advanced technologies, and strong investment in medical R&D. The United States contributes the most to the region's dominance, driven by increasing cases of asthma and COPD, particularly among aging populations and individuals exposed to occupational hazards.

Europe

Europe commands a substantial share of the market, driven by the progress of healthcare digitalization in key countries like Germany, the United Kingdom, and France. Rising government support for preventive healthcare and early diagnosis initiatives have bolstered the demand for respiratory devices across clinical and outpatient settings.

Asia-Pacific

The Asia-Pacific region is projected to witness the fastest growth rate over the coming years. Factors like increasing pollution levels, rising health awareness, and improving healthcare systems, particularly in China, India, and Japan, are contributing to the market's expansion. Japan, in particular, is emerging as a high-growth market due to its technological expertise and rapidly aging population.

Leading Companies in the Market

GE Healthcare
Smith & Nephew
Vyair (Carefusion Corporation)
Masimo Corporation
Medtronic
MGC Diagnostics Corporation
COSMED
Nihon Kohden Corporation
Philips Healthcare
Novelda AS

Latest News: USA

FDA Tightens Standards for Pulse Oximeters

In response to concerns over the accuracy of pulse oximeters for individuals with darker skin tones, the U.S. Food and Drug Administration (FDA) has proposed new guidance aimed at improving device performance across diverse populations. Manufacturers are now being urged to include more racially diverse participants in clinical trials to ensure device readings remain consistent and reliable. This move is seen as a step forward in addressing racial disparities in medical diagnostics and could lead to significant innovations in future respiratory monitoring products.

Philips Resolves Major Lawsuit with \$1.1 Billion Settlement

Philips recently agreed to a \$1.1 billion settlement in the U.S. to resolve lawsuits linked to the recall of its sleep apnea and CPAP devices. The recall, which stemmed from concerns over the degradation of sound abatement foam, had caused considerable uncertainty in the respiratory device market. With this legal hurdle now behind them, Philips has pledged to reinforce its quality control and safety measures, while continuing to innovate in non-invasive respiratory therapy.

Latest News: Japan

Surge in Demand for Portable and Smart Devices

Japan's respiratory monitoring devices market is expected to grow significantly, with a projected CAGR of 8.3% from 2025 to 2033. This growth is being driven by an increasing aging population, greater awareness of chronic disease management, and an emphasis on in-home healthcare services. The Japanese market is particularly focused on compact, user-friendly, and technologically advanced respiratory devices that cater to both healthcare professionals and patients at home.

Collaborations and Innovations Leading the Charge

Japanese medical technology companies such as Terumo Corporation and Nihon Kohden are investing in next-generation respiratory monitoring tools. These tools are designed to integrate seamlessly with hospital information systems and provide advanced analytics. Collaborations between universities, research institutes, and medical device companies are fueling a wave of innovation, with a focus on artificial intelligence and predictive diagnostics in respiratory care.

Market Segmentation:

By Product: Sleep Test Devices, Gas Analyzers, Spirometer, Peak Flow Meters, Pulse Oximeters, Capnography, Others.

By End User: Hospitals, Ambulatory Surgery Centers, Homecare, Others.

By Region: North America, Europe, South America, Asia Pacific, Middle East and Africa

Conclusion

The global respiratory monitoring devices market is on a firm growth path, driven by increasing demand for accurate, portable, and technology-driven solutions for respiratory care. While North America and Europe continue to dominate in terms of revenue, the fastest momentum is being witnessed in the Asia-Pacific region, particularly in Japan and China.

With advancements in AI, sensor technologies, and cloud integration, the future of respiratory health monitoring looks increasingly proactive, personalized, and patient-centric. As global health systems prioritize early intervention and continuous care, the respiratory monitoring devices market is poised to play a crucial role in shaping the next generation of healthcare solutions.

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