

Supporting the Full Continuum of Respiratory Care

Connected tools, unified data, complete confidence

Chronic respiratory conditions and sleep-related breathing disorders are among the most underdiagnosed and undertreated health concerns worldwide. Despite growing awareness, an estimated 80% of moderate to severe cases of obstructive sleep apnea (OSA) remain undiagnosed,¹ while studies suggest that up to 70% of chronic obstructive pulmonary disease (COPD) go undetected globally.²

Beyond underdiagnosis, respiratory care is often managed across fragmented systems and workflows, making it difficult to coordinate data, streamline communication, and maintain continuity across the patient journey. These gaps highlight a critical need for tools that connect each step of the patient journey—from initial screening to diagnosis, treatment setup, and long-term management.

The Nonin Health® platform and WristOx₂® Model 3150BLE pulse oximeter provide that connection. Together, they deliver a single solution that simplifies data capture, streamlines communication, and supports faster, more informed decisions across the continuum of patient care.

Connecting care through a single platform

In many respiratory care pathways, data collection happens in silos. Separate systems and workflows handle pre-screenings, diagnostics, and therapy follow-up, leading to inefficiencies and lost insights. The Nonin Health platform bridges these gaps with secure, cloud-based access to pulse oximetry data that is accurate,⁴ actionable, and easy to share across teams.

By pairing seamlessly with the WristOx₂, the Nonin Health platform enables healthcare professionals to collect, transmit, and review oxygen saturation (SpO₂) and pulse rate data through an intuitive mobile app and online portal. The result is a unified workflow that eliminates manual transfers, reduces turnaround time, and supports coordinated, patient-centered care.³

Stage 1: Early detection and pre-screening

Effective respiratory care begins with early detection. The WristOx₂ is an optimal tool for pre-screening patients who may be at risk for sleep-related breathing disorders or chronic respiratory disease. When paired with the Nonin Health mobile app, clinicians can easily collect overnight oximetry data from a patient's home environment and review results before the device is shipped back.

Secure, cloud-based data transmission allows providers to review results promptly and determine next steps without delay. This efficiency not only accelerates diagnosis but also reduces administrative burden, helping clinicians serve more patients with fewer logistical obstacles.³

Stage 2: Diagnosis and therapy qualification

Once a patient's risk is identified, the Nonin Health platform supports key diagnostic workflows, including oxygen qualification, using the same WristOx₂ device. Compatibility also extends to other software platforms and applications. When paired with the WristOx₂, platforms such as EnsoData can support HST for OSA diagnostic studies.

Because the Nonin Health platform automatically syncs oximetry data to a secure, HIPAA-compliant cloud portal, clinicians gain timely access to accurate⁴ readings without delays of manual uploads or physical data transfer. Faster access to data means patients can begin treatment sooner, a key advantage when early intervention in COPD management can reduce exacerbation-related hospitalizations by up to 40%.⁵

Automated data transfer also reduces the risk of transcription errors or lost reports associated with manual uploads, ensuring a higher degree of data integrity and consistency across care settings.⁶

Stage 3: Therapy monitoring and adjustment

After diagnosis, ongoing therapy management becomes essential. Whether a patient is prescribed positive airway pressure (PAP) therapy, supplemental oxygen, or an oral appliance, the Nonin Health platform provides the data continuity needed to track progress and monitor the patient's therapy.

The platform helps clinicians track therapy compliance and evaluate treatment effectiveness over time. For oral appliance titration, objective follow-up data can help clinicians assess treatment effectiveness and guide adjustments.⁷ The result: improved visibility helps clinicians monitor patients and their CPAP usage and adherence.

Stage 4: Re-care and long-term monitoring

Chronic respiratory management requires continuous evaluation to ensure sustained success. With the Nonin Health platform, clinicians can easily conduct re-care testing and periodic follow-ups using the same familiar WristOx₂ device. This continuity simplifies the process for both providers and patients while maintaining consistency in data collection.

By centralizing oximetry data within one secure platform, Nonin Health supports longitudinal testing that helps strengthen clinical insight. Providers can track progress over time, identify changes early, and adjust therapy as needed—all within an efficient, digital workflow.

A more connected approach to care

The Nonin Health platform unifies data and devices to help clinicians manage respiratory and sleep-related conditions with confidence. Across the continuum of care—from first screening to long-term therapy management—the combination of the Nonin Health platform and the WristOx₂ Model 3150BLE helps empower healthcare professionals to act quickly, communicate effectively, and make data-driven decisions to support patient care.

Discover how the Nonin Health platform and the WristOx₂ Model 3150BLE can simplify your workflow and strengthen the continuum of care for your patients.

Visit nonin.com/nonin-health or request a demo today.

SOURCES:

- ¹ Lee, W., Nagubadi, S., Kryger, M. H., et al. (2008). Epidemiology of obstructive sleep apnea: A population-based perspective. *Expert Review of Respiratory Medicine*, 2(3), 349–364. <https://pmc.ncbi.nlm.nih.gov/articles/PMC2727690/>
- ² Guecamburu, M., Klein, E., Verdy, G., et al. (2024). Factors associated with undiagnosed COPD in patients hospitalised for severe COPD exacerbation. *BMJ Open Respiratory Research*, 11(1), e002620. <https://pmc.ncbi.nlm.nih.gov/articles/PMC11603825/>
- ³ Nonin Medical, Inc. Data on File (faster/reduced turnaround time - LMR data) These data are representative savings derived in part from third party sources and early user experiences and are provided for general informational purposes only. Individual organizations' experiences and costs may differ from the provided examples; Nonin Medical does not guarantee any particular results or outcomes.
- ⁴ Nonin Medical, Inc. Data on File (accuracy)
- ⁵ Bourbeau, J., Julien, M., Maltais, F., et al. (2003). Reduction of hospital utilization in patients with chronic obstructive pulmonary disease: A disease-specific self-management intervention. *JAMA Internal Medicine*, 163(5), 585–591. <https://jamanetwork.com/journals/jamainternalmedicine/fullarticle/215223>
- ⁶ Menachemi, N., & Collum, T. H. (2011). Benefits and drawbacks of electronic health record systems. *Risk Management and Healthcare Policy*, 4, 47–55. <https://doi.org/10.2147/RMHP.S12985>
- ⁷ Ramar, K., et al. (2015). Clinical Practice Guideline for the Treatment of Obstructive Sleep Apnea and Snoring with Oral Appliance Therapy: An Update for 2015. *Journal of Clinical Sleep Medicine*, 11(7), 773–827. <https://doi.org/10.5664/jcsm.4858>

Nonin Medical, Inc.

13700 1st Avenue North, Plymouth, MN • 55441-5443 • USA

Tel: +1.763.553.9968 OR +1.800.365.8874

Email: info@nonin.com