

Onyx[®] in the Long-Term Care Facility:

Patient Care is Enhanced with Addition of Pulse Oximetry to Routine Vital Signs Monitoring

Nonin has long been known for its innovation in pulse oximetry. By creating small, simple, reliable, and durable pulse oximeters, we've earned the trust of clinicians worldwide. And our Onyx[®] – the original all-in-one digital fingertip pulse oximeter™ – is a shining example of our unparalleled dedication to accurate and innovative pulse oximeters. But what do long-term care facilities around the United States think about the Onyx?

To find out, Nonin solicited the feedback of four long-term care facilities in Illinois, Missouri, California, and Florida. Over 30 percent of the patient population was on long-term oxygen therapy. After using the Onyx for over 1,700 on-site spot checks, the response from the field was overwhelmingly positive: a vast majority of participants called the Onyx a convenient, easy-to-use, time-saving device that significantly enhanced patient care – allowing clinicians to intervene and titrate prescribed oxygen levels and identify patients who require supplemental oxygen.



The original all-in-one digital fingertip pulse oximeter™

ABOUT THE STUDY

Nonin solicited the feedback of four long-term care facilities throughout the United States. Each location was provided with between two and five Onyx pulse oximeters for use by designated clinicians for 30 days as part of their routine vital signs monitoring practices. Clinicians were instructed to carry the Onyx with them, record SpO₂ and pulse rate data when taking vital signs, document any resulting interventions, and provide candid feedback. The following sites participated in the study:

- Claremont Rehabilitation Center – Buffalo Grove, Illinois
- Kingswood – Kansas City, Missouri
- Ramona Manor – Hemet, California
- Specialty Hospital – Jackson, Florida

PATIENT INTERVENTIONS

- **12%** of spot checks performed during this study resulted in patient interventions. Those interventions included titration or discontinuation of supplemental oxygen, administration of supplemental oxygen, hospitalization, and prescription of medications.

FAVORITE FEATURES

The size, simplicity, and convenience of the Onyx were favorite features among the participating clinicians, who also favored its automatic operation and unique three-color pulse quality indicator. After testing the Onyx on-site for 30 days as part of their routine monitoring practices, the participant responses speak for themselves:

- **100%** called the Onyx “easy” or “very easy” to incorporate into their routine vital signs monitoring.
- **100%** called the Onyx a time-saver.
- **99%** said they would purchase an Onyx.

Ease of use and convenience were essential concerns for clinicians, who were impressed with the Onyx’s size and portability. One clinician happily reported, “The Onyx is a real time-saver for the nursing staff.” Said another, “Patients really appreciated that we could monitor their respiratory status.” Participants also appreciated the Onyx’s automatic on/off feature, and were glad that it required no setup or adaptive devices.

“This is a great tool for understanding and adjusting titrate levels.”

Clinicians were impressed with the fast, reliable readings they obtained from the Onyx. For them, the speed of the Onyx equated to greater patient satisfaction. Consider the following responses from the field:

- **This is a great tool for monitoring the effectiveness of prescribed oxygen.**
- **This device allows us to evaluate patients more frequently.**
- **The Onyx allowed us to determine if a patient’s increased confusion was a result of hypoxia or organic changes.**
- **We are able to justify oxygen use at home with Onyx.**
- **The Onyx is good for spot-checking during ambulation and long-term care.**
- **The Onyx is very convenient. It’s easy to handle and carry.**
- **The Onyx is small and easy to carry at all times. We always used to have to search for a unit.**
- **The Onyx’s portability and quick response time make it a great product to have!**

For these clinicians – and thousands of other satisfied customers – Nonin’s Onyx is an easy-to-use time saver that improves patient care. This small, durable, accurate, dependable, and remarkably simple device is the perfect tool for making pulse oximetry a part of your routine vital signs monitoring practices.



PURELIGHT® AND PURESAT® TECHNOLOGIES

Like all Nonin sensors, the Onyx features PureLight technology, which boasts pure red and infrared LEDs to create unparalleled accuracy – even at critical SpO₂ levels. Nonin’s PureLight LEDs hold a steady calibration curve – even at SpO₂ levels below 80 percent.

Nonin has long recognized that accurate and dependable SpO₂ readings start with accurate and dependable sensors, and we’re proud to have been using our PureLight technology for over twelve years.

Nonin’s PureSAT technology makes greater use of signal characteristics for artifact rejection, using improved pulse detection technology for faster, more precise pulse detection and quick readings. With these technologies built into every device, Nonin delivers performance to customers who demand accuracy in the most challenging environments.