

# BeneVision N-Series

Neonatal Patient Monitoring



Peace of Mind with Your Most Precious Patients



## Reducing Complexity, Supporting Care

From their first moments of life, newborns are precious, dependent individuals. In the Neonatal Intensive Care Unit (NICU), these tiny patients have unique health challenges and require sophisticated, life-sustaining care and treatment. Mindray is committed to delivering innovative, clinically advanced solutions to support these delicate patients.

# BeneVision N-Series Monitors for the NICU

Babies admitted to the NICU present with a variety of critical, high-risk health conditions requiring constant specialized nursing care, advanced physiological monitoring, and other complex interventions. The BeneVision N-Series Monitors, combined with the BeneVision Distributed Monitoring System (DMS), ensure neonatal and pediatric caregivers have access to comprehensive, meaningful patient data at the bedside and throughout the infant's care path.

## BeneVision N-Series

N1



N12



N15



N17



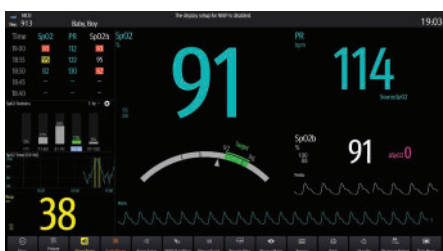
# Clinical Assessment Tools for Optimal Neonatal Care



**OxyCRG Monitoring:** A quick one-touch key instantly provides access to the OxyCRG screen for a comprehensive view of specific vital signs. Expanded visibility of apnea, bradycardia and desaturation events supports neonatal vital sign monitoring for infants with underdeveloped or immature nervous systems, as well as goal-directed care.



**Neonatal Review Dialog:** A clear, uncluttered view of the patient's condition can easily be accessed through individualized review tabs, including OxyCRG, Tabular Trends, and Events. Display review tabs side-by-side for rapid and efficient clinical decision-making at the point of care.

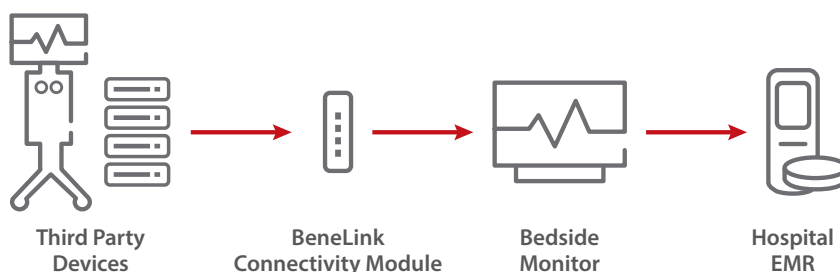


**Targeted Goal Screen:** With a clear, concise histogram dashboard, clinicians can quickly quantify the neonate's customized target parameters, including oxygenation levels at-a-glance to support neonatal goal-directed therapies.



**Alarm Watch and Remote View:** Through a secure view of alarm conditions, physiological measurements and waveforms, multiple patients can be observed from the N-Series monitor without leaving the bedside.

**Device Integration:** Consolidate and display essential patient data from third-party devices, such as neonatal ventilators, using the BeneLink Connectivity module. Patient data and alarms can be displayed, viewed, and saved on the bedside monitor and sent to the EMR, expediting clinical workflow and providing a complete patient record.





## A Baby's Journey with BeneVision N1

Hemodynamic monitoring is critical in the early stages of newborn resuscitation. From Labor and Delivery to the NICU, the N1 Monitor/Module moves with the newborn, providing seamless vital sign monitoring, including cardiac monitoring with neonatal arrhythmia detection and onboard alarms, right from the start.

Upon arrival to the NICU, insert the N1 into the N-Series bedside monitor to continue monitoring with no re-cabling, re-setting of alarms, or re-configuring settings. Data acquired on transport automatically backfills to the bedside monitor and then to the BeneVision DMS and hospital EMR, providing a comprehensive record of the patient's condition – every step of the way.

## Promoting a Healing Environment

Premature and critically ill newborns are sensitive to environmental stimuli such as light, noise, and even the slightest touch. For this reason, the ability to reduce excessive noise, movement, and light at the bedside is an essential requirement of caring for patients in the NICU. The N-Series monitors' privacy and night mode settings dim the display and reduce volume levels at the bedside with one touch, helping to maintain a calm and soothing environment for patients and family members.



Remote display and mobile technology options provide NICU clinicians viewing capability of their patients vital signs outside the baby's room or nursery, enhancing quiet and family bonding time.



Gestational age-related alarm profiles support individualized and customized care for each infant throughout their NICU stay.

Neonatal-specific settings minimize the environmental effects of noise and lights, providing an optimal atmosphere for infant growth and development.





## Design-Driven Safety

The American Academy of Pediatrics (AAP) recommends Car Seat Tolerance Screening<sup>1</sup> for pre-term and low birth weight infants before discharge from the hospital. The N-Series monitors provide OxyCRG monitoring, Trends, and Events, supporting facility guidelines for documentation of discharge readiness.

Recognizing the vital importance of infection control in the NICU, Mindray manufactures its entire line of N-Series patient monitors with industry-leading Eastman™ disinfectant-resistant resins. They are compatible with a broad range of commonly used, hospital-grade disinfectants to support the vigorous cleaning protocols required within the NICU.

<sup>1</sup>Bull, M. J., & Engle, W. A. (2009, May). *Safe transportation of preterm and low birth weight infants at hospital discharge. (Report for American Academy of Pediatrics, Committee on Injury, Violence, and Poison Prevention and the Committee on Fetus and Newborn).* Pediatrics, Vol. 123(5): 1424-1429.



# healthcare within reach



monitoring • anesthesia • ultrasound

**Vision:** Better healthcare for all

**Mission:** Advance medical technologies to make healthcare more accessible

Mindray is a leading developer, manufacturer and supplier of medical device solutions and technologies used in healthcare facilities around the globe. We believe we can change lives by making the most advanced healthcare technology attainable for all. We do this by empowering healthcare professionals through innovative, high-value solutions that help create the next generation of life-saving tools across patient monitoring, anesthesia delivery and ultrasound imaging.

At Mindray, we understand the shift in healthcare from volume to value and continuously deliver solutions that matter in this evolving environment. Our team is disrupting the industry, radically addressing today's needs with the technology of tomorrow. We are creating innovative, game-changing products and partnerships, shaping a new conversation for healthcare providers across North America. We work with thousands of healthcare providers day-to-day to drive the development and implementation of smarter technology – solutions that are simple and affordable, easy to adapt, and return bottom line results and meaningful outcomes. Together, we are creating a higher standard for healthcare.

**Mindray North America is headquartered in Mahwah, New Jersey. Our Ultrasound Innovation Center is located in San Jose, California with additional facilities in Nashville, Tennessee, and Seattle, Washington.**



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