CARESCAPE
Monitoring
for the NICU

Accuracy you can trust

From Labor and Delivery to the **NICU**
Monitoring your tiniest patients

Your tiniest patients need a tailored, sophisticated approach to vital signs monitoring. At GE Healthcare, our patient monitors can help you meet the unique challenges of neonatal care, from seamless and uninterrupted monitoring during intra-hospital transport from L&D through to the NICU. Our commitment includes a CARESCAPE™ monitoring platform that helps deliver clinical accuracy, streamlined workflow, and may help improve patient care and in your goal to reduce costs.

The CARESCAPE monitoring platform contains the special functionality for neonatal care, including histograms and lower sampling rates for CO_2 monitoring to added flexibility in setting alarm limits. We strive to deliver accurate real-time clinical measurements, reliable tools, and simple workflows.

These capabilities can help you optimize the NICU care settings, and may help you reduce alarm burden and noise so that you can focus on who really matters – the babies.

That's CARESCAPE NICU monitoring
Accuracy you can trust.

Uninterrupted warmth.
Uninterrupted monitoring.

Cold and heat stresses may have serious consequences for newborns and preterm babies, and these consequences could be devastating. The Giraffe™ OmniBed™ Carestation and Giraffe Shuttle™ solutions help ensure thermal stability, while CARESCAPE ONE provides continuous monitoring with an easy-to-see screen, including during intra-hospital transport.

From the delivery room to the NICU
Uninterrupted care

Labor and Delivery

During resuscitation caregivers can quickly connect a pulse oximetry sensor or ECG leads to assess baby's heart rate.

All vital signs are stored in the CARESCAPE ONE memory.

Seamless Intra-hospital Transport

Easily transport and transition from L&D to the NICU, and anywhere else in the hospital, with the CARESCAPE ONE and the Giraffe Shuttle, all while maintaining monitoring continuity.

Quickly admit the baby into the NICU by sliding the CARESCAPE ONE into the CARESCAPE bedside monitor's docking station.

NICU Monitoring

Upon NICU admission, all trended data from L&D and transport is available for review for a complete status of the baby.

The portability of the CARESCAPE ONE facilitates family-centered care without having to take the baby off the monitor.

Data continuity
Mobile and rugged

The CARESCAPE ONE monitor stays with the baby throughout their journey in the hospital and helps avoid data gaps during intra-hospital transport.

CARESCAPE NICU monitoring

Monitoring excellence in a single platform

Patient trends

Trend data delivers accurate snapshots of neonates' health over time. CARESCAPE monitors provide high-resolution CRG trending, enabling better visualization and expanded parameter selection for trend graphics. Available selections include HR, SpO_2, $SpO_2(2)$, MAP, RR waveforms, and CO_2 waveforms.

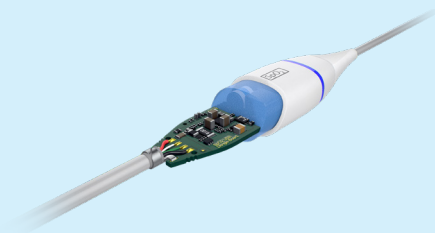In addition, with configurable trend data pages, CARESCAPE monitors help clinicians:

- Determine when an event happened

- Understand the baby's real-time clinical status

- Screen for critical congenital heart defects with integrated dual pulse oximetry modules

- Monitor and document infant car seat challenge to assess discharge readiness

CO_2 monitoring

The LoFlo micro-module and Respironics® LoFlo® CO_2 sensor provide sidestream CO_2 monitoring at the bedside and during intra-hospital transport. Used with intubated and non-intubated babies, this accurate 50 mL/minute solution provides an immediate indicator for ineffective ventilation and early warning of respiratory distress.

Protecting your investment

The CARESCAPE monitoring platform helps fulfill the GE Healthcare commitment to support advances in care delivery throughout the life of patient monitors. We continually deliver new capabilities through updates, software enhancements, and expanded support for third-party devices.

ONE bold concept

Smart and miniaturized technology secures easy integration of today's and tomorrow's clinical advancements. The **CARESCAPE ONE** monitor meets your current needs and positions you for the future. Its innovative design with open architecture leaves wide space for technology advances. Acquiring new measurements will be as simple as adding more plug-and-play parameter micro-modules.

CARESCAPE NICU monitoring

Unique functionality for babies' specific needs

Histograms

Providing clinicians with a visual of the babies' SpO_2 and HR target ranges, helping enable clinicians to provide better care. For additional insight, each range can be individually selected to provide greater detail of time spent within range.

High resolution trends

Enabling better visualization and helping clinicians understand the baby's real-time clinical status.

Unique neonatal alarm management features

Helping create a quieter environment for babies and families, and reduce alarm fatigue for staff.

CARESCAPE NICU monitoring

Monitoring excellence in a single platform

Advanced algorithms

The CARESCAPE monitoring platform applies a wide range of proven GE Healthcare neonatal algorithms to help you understand your patients and make easy, fast, informed decisions.

- EK-Pro arrhythmia algorithm improves detection of weak heart rate signals through increased sensitivity, enhanced noise and artifact discrimination of the ECG signal

- The IntelliRate™ algorithm helps reduce false heart rate alarms by extracting from multiple signals (SpO_2 or ART) if the primary heart rate is lost

- The DINAMAP™ SuperSTAT NIBP algorithm and dual-lumen hose technology deliver fast and accurate blood pressures even on infants with low pressure

- Masimo SET® SpO_2 performs on poorly perfused patients

- Nellcor™ OxiMax SatSecond technology decreases the number of nuisance SpO_2 saturation alarms

Alarm management and notification

Customizable alarms and services provide alarm limits specific to NICU patients. This includes alarm management tools like Automatic View on Alarm (AVOA) for improved workflow and secondary alarm notification through ASCOM, using handheld devices to triage and filter alarms. You can access patient monitor information on an iPad or iPhone through AirStrip®, overcoming logistical and geographic barriers to care. Our three-phase alarm consulting program can help you comply with The Joint Commission patient safety standards to reduce alarm fatigue.

Other alarm functionalities:

- Critical alarm limits that enable value-based alarm escalation, allowing clinicians to set patient-specific critical alarms for SpO_2 and HR

- Fully configurable VTach criteria to help reduce false alarms

- Configurable alarm delays for HR, SpO_2 high/low, and RR high/low, to help reduce alarm burden

- Impedance RR smoothing using a 10-second average to limit false alarm calls caused by patient motion

- Brady/tachy alarm priority separation, letting users independently set alarm priorities (HR low or HR high)

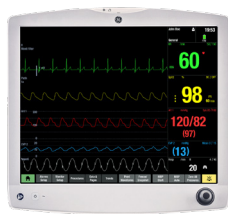- Connection to a remote alarm system, creating a quieter environment for the baby and family

Minimizing touch

- With Giraffe Shuttle and CARESCAPE ONE monitor for intra-hospital transport, the baby stays in the same bed

- One-touch canopy lift and foot pedal converts the Giraffe OmniBed Carestation into a radiant warmer without disturbing the baby due to bed-to-bed transfer

- Bi-directional translating mattress brings the baby closer to promote swaddling, Kangaroo Care, and to assist in rotating the mattress for clinical procedures

- Baby Susan™ mattress with full 360° rotation for procedural ease

- In-bed scale with reweigh to reduce transfers in and out of the bed

- The CARESCAPE ONE is fully enabled to serve as your bedside acquisition device and intra-hospital transport monitor; no more disturbing the baby for transport

- Flexibility in scaling up the monitor with additional parameters to fit the clinical needs

Features	CARESCAPE B850 Monitor Highly configurable for extreme performance	CARESCAPE B650 Monitor Flexibility for the enterprise	CARESCAPE B450 Monitor Powerful monitoring in a compact design	CARESCAPE ONE Monitor Redefining intra-hospital transport monitoring
Screen size	19-in. LCD	15-in. LCD	12-in. LCD	7-in. LCD
Waveform display	Up to 8 individual; Up to 14 with overlays	Up to 8 individual; Up to 14 with overlays	Up to 6 individual; Up to 12 with overlays	Up to 8, 4 per page
Additional displays	2 independent	Additional independent or 1 clone	Additional independent or 1 clone	N/A
Touchscreen	Yes	Yes	Yes	Yes
Trim Knob™	Yes	Yes	No	No
Weight	16.5 lbs. (CPU only)	21.6 lbs.	11 lbs.	4 lbs. with battery
Additional E-module slots	Up to 7	2	1	N/A
Printer type	4 channel	3 channel integrated	3 channel integrated	N/A
Corded remote control[3]	Yes	Yes	Yes	No
Wireless (WLAN)[3]	No	Yes	Yes	No
Bed-to-bed viewing	Yes	Yes	Yes	No
CARESCAPE Central Station	Yes	Yes	Yes	Yes, via Bx50 monitor when docked
CARESCAPE Gateway	Yes	Yes	Yes	Yes, via Bx50 monitor when docked
Remote service (InSite™)	Yes	Yes	Yes	No
12-lead at the bedside[3]	Yes	Yes	Yes	Yes, via Bx50 monitor when docked
Battery	N/A	1 lithium ion; 1-2 hrs. operating time[1]	1 or 2 lithium ion; 1-2 hrs. operating time each[1]	1 lithium ion; up to 5 hr. operating time
Remote access and data viewing	Yes	Yes	Yes	N/A

CARESCAPE Patient Data Modules and E-modules[2]	Clinical measurements
CARESCAPE Patient Data Module	Invasive pressures, temperature, SpO_2, NIBP, ECG, RR
E-MASIMO, E-NSATX	SpO_2
E-sCAiOV	O_2, CO_2, N_2O, anesthetic agent and agents identification, patient spirometry

CARESCAPE PARAMETERS – Micro-modules

CARESCAPE ECG (3-, 5-, 6-, 10-lead, respiration)

CARESCAPE SpO_2 – GE TruSignal

CARESCAPE SpO_2 – Nellcor

CARESCAPE SpO_2 – Masimo

CARESCAPE Invasive Pressure

CARESCAPE Temperature

CARESCAPE CO_2 – LoFlo

NIBP built in

Note: Support for ventilators and additional parameters, such as transcutaneous, are available via Unity Network™ ID.