

A Focus on Family to Create a Healing Environment

Responder® 5 Solution Helps Drive Noise Reduction; Fast, Direct Communications; and a Sense of Empowerment for Families

Considerable research demonstrates how support from family and close friends can create a more healing environment for patients. Providing those friends and families a certain sense of control can significantly decrease stress and improve satisfaction for both families and the patient.

Sentara Leigh Hospital in Norfolk, Virginia, is encouraging and promoting social support for its patients with a specially designed Responder® 5 nurse call solution used across two new Med/Surg towers. In its roll-out of Responder 5 in patient rooms, the hospital customized a unique workflow screen just for families that considers their needs and gives them direct, one-touch communication with providers and ancillary staff for requests.

“Our goal is to involve and empower families in the patient’s care, with workflow processes created to speed responses, improve satisfaction and reduce noise,” said Jennifer Kreiser, VP Nurse Executive.

NURSE CALL: A CLINICAL APPLICATION

A 250-bed hospital, Sentara Leigh is in construction on a modernization and expansion plan to create an innovative, state-of-the-art facility. Two new patient towers feature private bathrooms, no-step showers and overnight accommodations for families.

“Our modernization here at Sentara is addressing a general change in healthcare as it relates to nurse call,” said Betsy Meadows, Director, Network Enterprise Services for Sentara Healthcare.

“It’s no longer just lights and pullcords. We’ve taken the stance that it is a facility-wide system, a true clinical system, and we are treating it that way in our modernization and expansion.”



Responder nurse call is in use throughout the facility, including pillow speakers, patient stations and more than 200 Responder workflow terminals integrated to staff RTLS badges and mobile phones. The workflow terminals automate processes for nursing and staff, with one button press sending alerts and notifications across the hospital, including rounding and pain & reassessment reminders for caregivers. The system speeds responses, strengthens workflows, reduces noise and helps increase staff and patient satisfaction.

Already standardized on the Responder 5 solution, technology staff looked at the expansion as an opportunity to identify the capabilities of the technology and look at new ways it could be used to improve clinical processes.

“The decision was easy to stay with Responder.”

Greg Walkup, Director – Information Technologies Enterprise Application Services, Sentara Healthcare





Responder® Elements & Integrations

- Staff Terminals
- Staff Assignment
- Reports Manager
- RTLS integration
- Phone integration

“Our goal is to involve and empower families in the patient’s care, with workflow processes created to speed responses, improve satisfaction and reduce noise.”

Jennifer Kreiser, VP Nurse Executive

FAMILY INVOLVEMENT

“Responder was already addressing the workflows of providers and ancillary staff,” said Matt Montcrieff, Business System Application Analyst, “but we brainstormed additional processes that could be addressed, and presented options to clinicians that led to answering the needs of families visiting patients.”

“Very often a family member is in the room in need of assistance but doesn’t want to bother a nurse,” Montcrieff said. “Giving them some control, without the need to stand in the hallway or wait for a provider, greatly reduces their stress and allows things to be done automatically without lots of unneeded steps.”

As a result, Sentara customized its workflow stations in Med/Surg units with a special screen specifically designed for family members, with buttons that route requests to the correct level of assistance based upon need. The system gives control to those family members sitting in the patient’s room, said Kreiser, and the special screen addresses what a family typically needs or requests.

- A row of red buttons alerts nursing to the patient’s need related to toilet or pain.
- A row of yellow buttons are directed to nursing assistants for simple requests, like a blanket or water, which decreases interruptions to the nursing staff.
- A row of green buttons makes requests to other departments, the Chaplin or to the patient advocate with a simple button press.

“Families are impressed with the technology,” added Kreiser. “They like that they can make a request to the right person, and not always bother the nurse.”

MED/ADMIN TIME OUT

“More buttons on the workflow stations mean more things can get done automatically,” said Kreiser.

A catalyst in installing Responder 5 across the facility, she points out, was the ability to get notifications and requests to the right person at the right time.

In designing the Family screen, Sentara added a special button for nursing called ‘Med/Admin.’ With a touch of this button, a nurse can get up to 15 minutes of uninterrupted time to discuss needs with a patient, or to administer medications. During this interval, all calls to the nurse are silenced and re-routed to other staff, and a corridor light illuminates to notify others that the nurse is in consultation in the room.

Sentara also synchronized alerts and notifications to the corridor lights outside each room, so that nursing could immediately triage the unit right from the hallway without going to each room. Special colors and combinations notify staff of specific risks for each patient – fall, airway or high skin risk – without the need to place magnets or signs to the doors or hallway that can raise the risk of infection.



IMPROVED SATISFACTION

The first thing you notice using the Responder system is how silent the unit is, according to Willow Golay, Clinical Manager at Sentara.

“Noise reduction has been a key driver across all of our units,” Golay said, “to improve the overall environment and maintain a quiet floor at night. Using Responder 5, we no longer need to drive that, as Responder sends all of our calls directly to the staff’s phones, resulting in a silent workflow.”

“This puts wonderful technology at our fingertips,” Golay added. “I don’t walk as much, and there are fewer interruptions to clinical. We’re seeing much greater efficiencies and getting a faster response – when you need it from who you need it. We no longer have two or three people on the unit responding to the same call, and we’re getting fewer distractions as we deliver care.”

IMPROVED SCORES WITH RESPONDER

Call response has improved by 32 percent, according to Sentara, in a short period of time once the unit transitioned to the Responder 5 system. The hospital also reports a 45 percent improvement in scoring to the question ‘Was it quiet outside your room at night,’ because the patients are not hearing call bells and paging going off at night across the unit, said Golay.

TECHNOLOGY ROADMAP

“We’ve placed a strong emphasis on using technology to benefit clinical needs,” said Greg Walkup, Director – Information Technologies Enterprise Application Services, “resulting in better care, better efficiencies and patient safety.” At Sentara Leigh, he added, every clinical base has an IT support staff assigned to them.

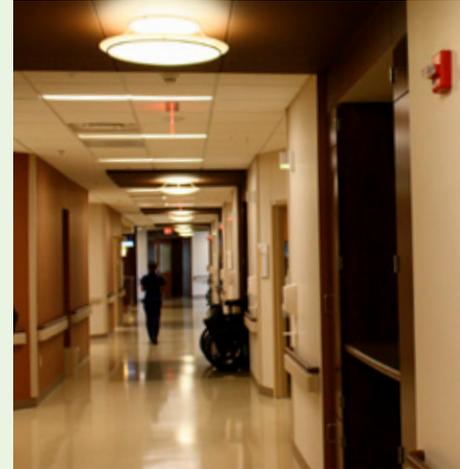
Sentara chose to standardize on Responder 5 for healthcare communications following a review of vendors, because Responder met all of their current and future requirements, according to Walkup.

“It gives us a stable, reliable system,” Walkup said, “and the functionality meets clinical requirements for escalations, workflows, corridor lights, as well as reporting on staff/

32%
IMPROVED
RESPONSE TIME



45%
IMPROVED
NOISE REDUCTION



“Noise reduction has been a key driver across all of our units to improve overall environment and maintain a quiet floor at night. Using Responder 5, we no longer need to drive that...”

Willow Golay, Clinical Manager

patient activity. We reviewed the technology with clinical staff to ensure it was going to be comprehensive, and by standardizing on Responder we are also seeing efficiencies in training and staffing.”

“The decision was easy to stay with Responder,” Walkup added. “We’ll be applying the same technology and the same workflows in all locations.”

“Our goal now is to gain system-wide reporting and establishment of best practices that can be applied across all of our facilities,” Meadows said.

“We’ve placed a strong emphasis on using technology to benefit clinical needs, resulting in better care, better efficiencies and patient safety.”

Greg Walkup, Director – Information Technologies Enterprise Application Services, Sentara Healthcare



About SENTARA

Sentara Healthcare celebrates a 125-year history of innovation, compassion and community benefit. Based in Norfolk, VA, Sentara is a diverse not-for-profit family of 12 hospitals, an array of integrated services and a team 28,000 strong on a mission to improve health every day. This mandate is pursued through a disciplined strategy to achieve Top 10% performance in key measures through shared best practices, transformation of primary care through clinical integration and strategic growth that adds value to the communities we serve in Virginia and North Carolina. For more information, please visit www.sentara.com.



About Rauland

Rauland-Borg is a respected global leader in the design and delivery of advanced communications, workflow and life-safety solutions for hospitals worldwide, with installations in more than 4,000 hospitals in 40 countries.



About Responder®

Responder® communication and nurse call systems help staff deliver the best possible patient care, with fast, direct patient-to-staff and staff-to-staff communication, flexible integrations, intelligent call routing and real-time reporting.



About Systems Electronics

Systems Electronics, a full-service, certified distributor of Rauland, has been providing communications and security/safety systems for more than 40 years. The firm works with clients to discover the best solution and then implement that solution, with follow-on service and support.



Rauland-Borg Corporation

USA	+1 800 752 7725
Fax	+1 800 217 0977
Canada	+1 905 607 2335
Fax	+1 905 607 3554
Asia Pacific	+65 64835750
Fax	+65 64830926

www.rauland.com

Mid East & Africa	+20 122 2154016
Fax	+20 2 26703676
Europe	+30 693 750 1168
Latin America	+1 630 3479757
Fax	+1 847 6328550