

## North Cypress Medical Center Uses Summit Healthcare to Integrate their Monitors with their MEDITECH HCIS

### The Challenge:

North Cypress Medical Center, a 139-bed physician-owned, general acute care hospital located in Cypress, TX, was looking to get data from their Phillips monitors to their MEDITECH HCIS. The Phillips monitors offered an unsolicited feed of data that would have inundated the HCIS, and the patient record, with a large volume of unnecessary data. Using a query interface from the HCIS would allow the clinicians to request the data only when needed, however the Phillips monitors could not accommodate the query request from the HCIS.

In addition to the challenge of getting the data to the HCIS, volume was an issue as well. North Cypress Medical Center had 20 units that were feeding the system with vital sign data. They were planning to add another area that would add an additional 24 units to the system.

North Cypress Medical Center needed a solution that could manage the data flow from the monitors, provide data when needed by the clinicians and be able to process large volumes of data with no delay in the delivery of vital sign data.

### The Solution:

North Cypress Medical Center is utilizing the [Summit Monitoring Device Solution](#) to meet their goals of managing the data from their monitors into the HCIS. The unsolicited vital sign data being sent from the monitoring devices every thirty seconds is received by the [Summit Express Connect](#) engine and the Monitoring Device Solution. When a clinician requests the most current vital signs data for a patient the request is received by the Summit Express Connect engine. The Monitoring Device Solution sends a response query with the most recent vital signs data on the patient back to the HCIS for entry into the patient record.

The Summit Monitoring Device Solution has provided North Cypress Medical Center with a comprehensive solution that can be used with all their monitoring systems. It allows the clinicians to get the most up to date vital sign data for accurate and rapid clinical decision making with no worries of manual transcription errors.

### Engagement Highlights:

- 44 monitors passing vital signs data to the solution

- Over 100,000 monitoring device messages processing through the solution daily
- Replaced manual entry of vital signs data into the patient record to ensure accuracy and save time
- Able to process large volumes of monitoring data with no delay in data delivery
- Automatic purging of the data keeps the system running smoothly
- The control panel application allows the IT staff to manage and monitor the solution

**Testimonial:**

“The Summit Monitoring Device Solution has greatly improved our processes in getting the monitoring data to the patient record. The clinicians are happy that they can get the vital signs data quickly and accurately with no manual data entry. The IT staff is happy that the solution easily handles our large volumes of data and can expand if needed in the future. The Summit Healthcare team has been excellent to work with. The expertise of the technical implementation team made it easy to get the solution up and running.”

- **Reggie Holiday, Interface Engineer, North Cypress Medical Center**