

# Sequoia Hospital

## Information System:

Cerner BMDI

## Devices:

Nellcor Puritan Bennet 840 ventilators

Baxter Colleague infusion Pumps

Datascope infusion pumps

GE Monitors

## Departments:

ICU

## About Sequoia Hospital

Founded in 1950, Sequoia Hospital is an accredited, not-for-profit community hospital offering a full range of medical, surgical and specialty programs. Sequoia hospital provides state-of-the-art medical care to residents of San Mateo County, California and beyond. DataCaptor is being used to collect data from Nellcor Puritan Bennett, Datascope and Baxter devices over the hospital's LAN via Philips DeviceLink II.

## DataCaptor Deployment Details

Nellcor Puritan Bennett 840s are configured to communicate through serial ports which connect to the hospital's LAN using concentrators. The concentrators convert the serial data to ethernet allowing Cerner BMDI to remotely connect and manage all device data.

Through configuration settings in Cerner BMDI, the rate and parameters which will be collected and sent

are configurable. Cerner BMDI generates and sends via TCP/IP HL7 formatted messages to the EMR.

Baxter Collogue IV pumps and Datascope balloon pumps will also be integrated into this solution. After implementation, the effort to scale the solution is minimal.

## Implementation Diagram

