

Somerset Medical Center

Information System:

GE Unity Network

Cerner BMDI

Devices:

Nihon Kohden monitors

Datascope System 97 infusion pumps

Siemens Servo 300 ventilators

Departments:

ICU

About Somerset Medical Center

A nationally accredited, 355-bed regional medical center, Somerset Medical Center provides a variety of comprehensive emergency, medical/surgical and rehabilitative services to Central New Jersey residents. DataCaptor has been integrated with the hospital's GE Unity Network as well as with other devices.

DataCaptor Deployment Details

Tramscope 12C monitors are interconnected on the GE Unity network which runs as a subnet on the hospital's LAN. A connection to the monitors is accomplished by configuring the DataCaptor server with two network cards bridging the Unity network with the hospital's LAN. An IP socket connection is established between the DataCaptor server and the monitors, exposing all GE device data to DataCaptor.

Siemens Servo 300 ventilators and Datascope 97 IABPs communicate through serial ports which

connect to the hospital's LAN using concentrators. The concentrators convert the serial data to ethernet, allowing DataCaptor to remotely connect and manage all device data.

Through configuration settings in DataCaptor, the choice of parameters and the rate of collection are configurable for each serial device. DataCaptor will generate and send via TCP/IP HL7 formatted messages compatible with the Cerner BMDI.

Implementation Diagram

