

WVU Children's Hospital

Information System:

Epic

Devices:

DataScope CS100 Balloon Pumps

Maquet Servo-I & Servo 300 ventilators

Departments:

ICU

About WVU Children's Hospital

WVU Children's Hospital, in Morgantown, WV, provides specialty maternal, infant and pediatric care for the state of West Virginia and the surrounding region. We provide care to high-risk mothers, premature infants and children with life-threatening conditions through adolescence to adulthood.

WVU Children's Hospital is located on the 6th floor of Ruby Memorial Hospital. WVU Children's Hospital includes a pediatric and adolescent ward with 32 beds (6 East), a Pediatric Intensive Care Unit (PICU) with 20 beds, a Neonatal Intensive Care Unit (NICU) with 39 beds, and a suite of 25 labor-delivery-post-partum rooms for the mother and infant (Maternal Infant Care Center MICC), an activity room and teen-room facilitate the rehabilitation of young patients (Child Life Program).

DataCaptor Deployment Details

West Virginia University Children's Hospital chose Epic Systems to integrate their devices: DataScope CS100 Balloon Pumps and Maquet Servo-I & Servo 300 ventilators.

All serial enabled devices communicate device data via 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 Epic Information System.

Implementation Diagram

