

The Hospital of the University of Pennsylvania

Information System:

VISICU

Devices:

Nellcor Puritan Bennet 840 ventilator

Departments:

ICU

About The Hospital of the University of Pennsylvania

The Hospital of the University of Pennsylvania (HUP) is world-renowned for its clinical and research excellence, forging the way for newer and better ways to diagnose and treat illnesses and disorders. Its long and rich history of top-notch patient care began more than two centuries ago with the founding of the nation's first medical school, the University of Pennsylvania. Since 1765 when it first opened its doors, Penn has been dedicated to the training of physicians and the discovery and implementation of new medical knowledge.

HUP's reputation as a world leader in medical research and clinical care attracts the highest quality medical specialists from around the world. The supportive and collaborative environment encourages physicians and staff to keep reaching ahead to find new ways to improve the quality and length of life for everyone.

DataCaptor Deployment Details

The Hospital of the University of Pennsylvania chose to integrate the Nellcor Puritan Bennett 840 ventilators directly with the VISICU Information Center.

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 VISICU HIS.

Implementation Diagram

