

# Oregon Health and Sciences

## Information System:

GE Centricity

---

## Devices:

Aestiva 7900 anesthesia

---

Philips MP70 Monitor

---

## Departments:

OR

---

## About Oregon Health and Sciences

University Oregon Health & Science University is a leading health and research university that strives for excellence in patient care, education, research and community service.

As a part of the university, OHSU Healthcare provides leading-edge healthcare services to patients throughout Oregon, the Pacific Northwest, and far beyond. As Oregon's only academic health center, OHSU cares for the hardest-to-treat patients, and provides an extensive range of services from everyday healthcare needs to the most complex and highly sophisticated treatments and procedures.

OHSU's mission of healing, teaching and research, combined with community service, sets us apart. Together, these pieces form the foundation for our patient care services. With knowledge at our core, we seek to find innovative solutions to each patient's needs and to the nationwide health care challenges we face today.

## DataCaptor Deployment Details

All monitors are interconnected on a proprietary network which runs as a subnet on the hospital's LAN. A connection to the monitors is accomplished by configuring the DataCaptor server to establish a socket connection with an Information Center, which expose all IntelliVue device data to DataCaptor.

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 GE Centricity Information System.

## Implementation Diagram

