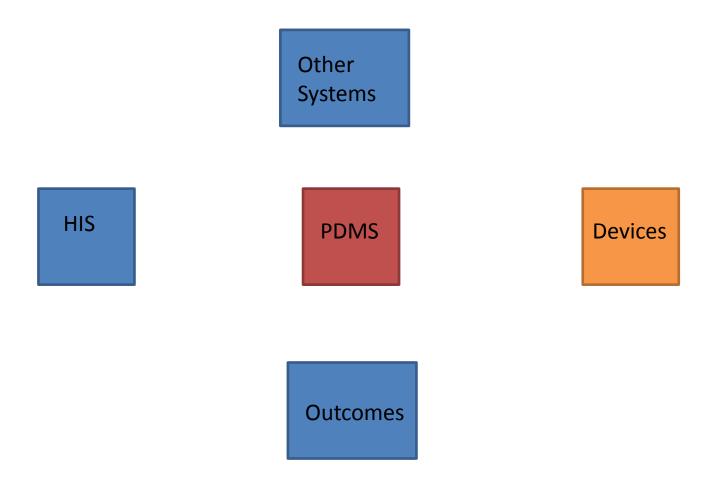




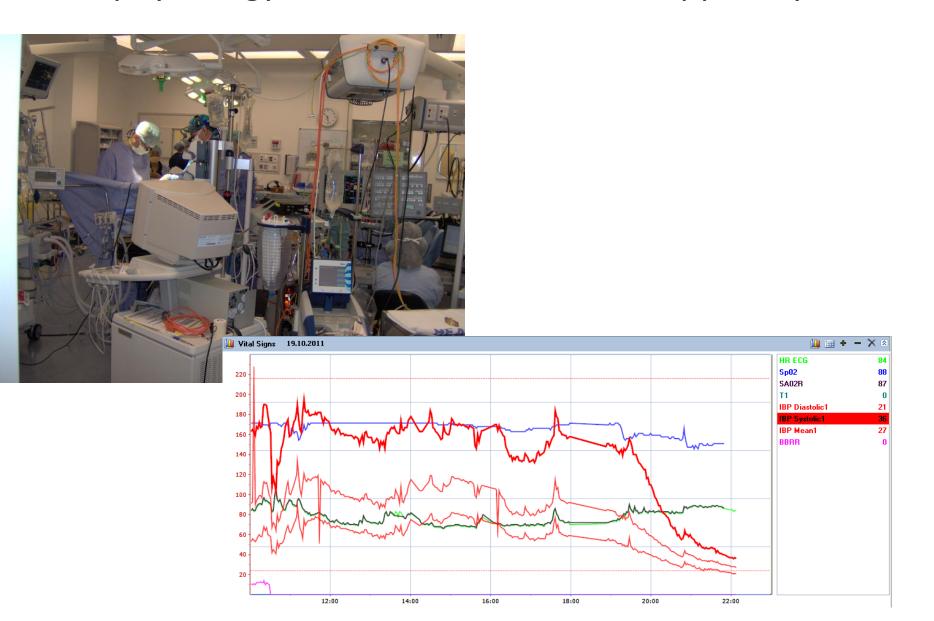
Device data. How important is it? The convergence of Physiology and data

www.precepthealth.com

PDMS. The ham in the sandwich



MD integration is the convergence of human physiology into real time decision support systems



Diversity



Device type

Cardiac perfusion

ECMO

Dialysys

EEG

BIS

Ventilation

Patient monitoring

Medication pumps

Domain

ICU

Operating theatre

Low acuity ward

Community care

Remote clinics

Technique

Direct RS232

Server based

Concentrator

Monitor as a hub

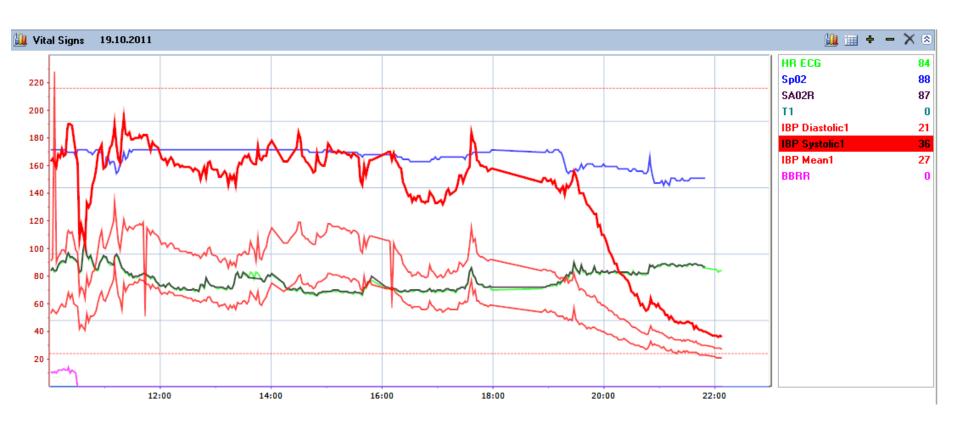


Data presentation



MD integration is zero value without a presentation layer that delivers clear decision support to clinicians.

We need to think of MD integration and the presentation layer in the same way



MD Integration can provide productivity gains, it can greatly enhance quality of data, it can give you freedom of choice, and it can provide much better decision support.

The reliability of MD information is essential

100% continuity of business must be guaranteed

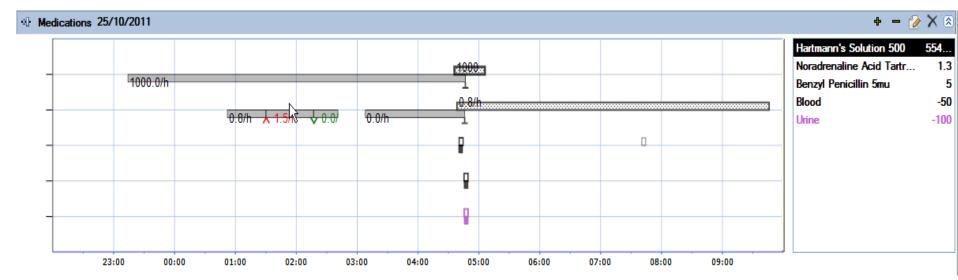
- •Does the system have a single point of failure?
- •What happens if the infrastructure crashes
- •Can the system continue without any infrastructure ?

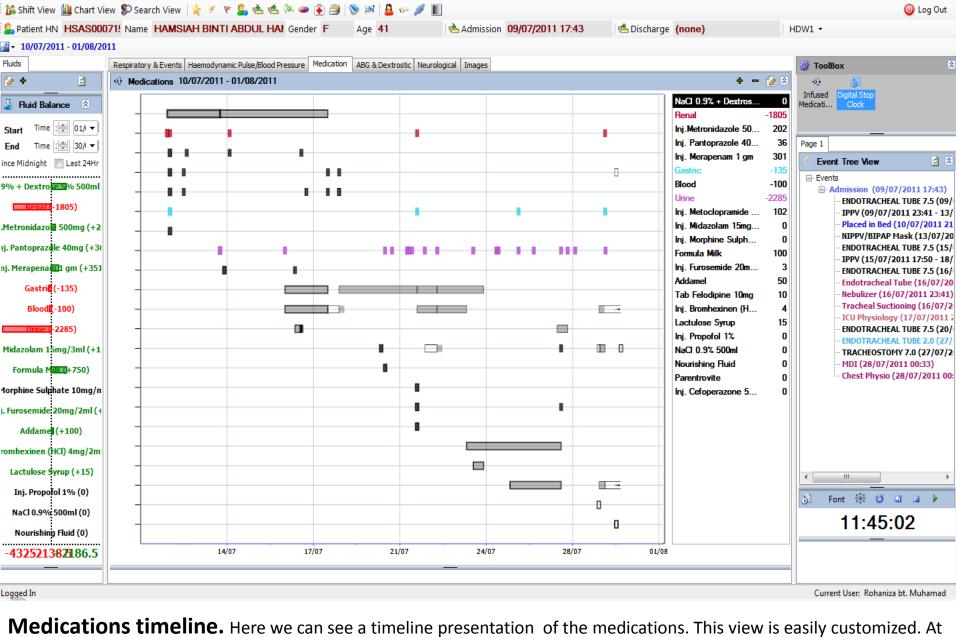


Integrated medication delivery

- •Closed loop or stand alone workflows.
- Safer medication through better patent association
- •Automated charting reduces workload and increases accuracy.
- •A single cable or Wireless connection tidies up the workplace







Precept ICU Care

File View Reports Tools

the extreme left we can see a summary of the fluids situation. IN the center is the Time line chart showing inflows, injections, and the medications schedule. At the extreme right we can see a hierarchical view of the patents clinical events

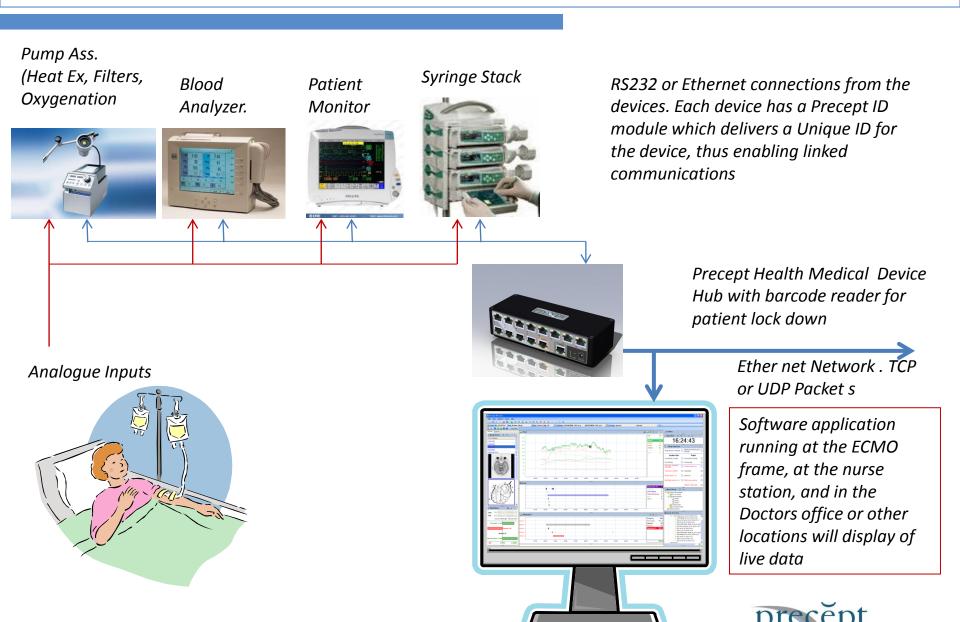
 Encapsulating the MD integration layer and isolating it from the presentation layer

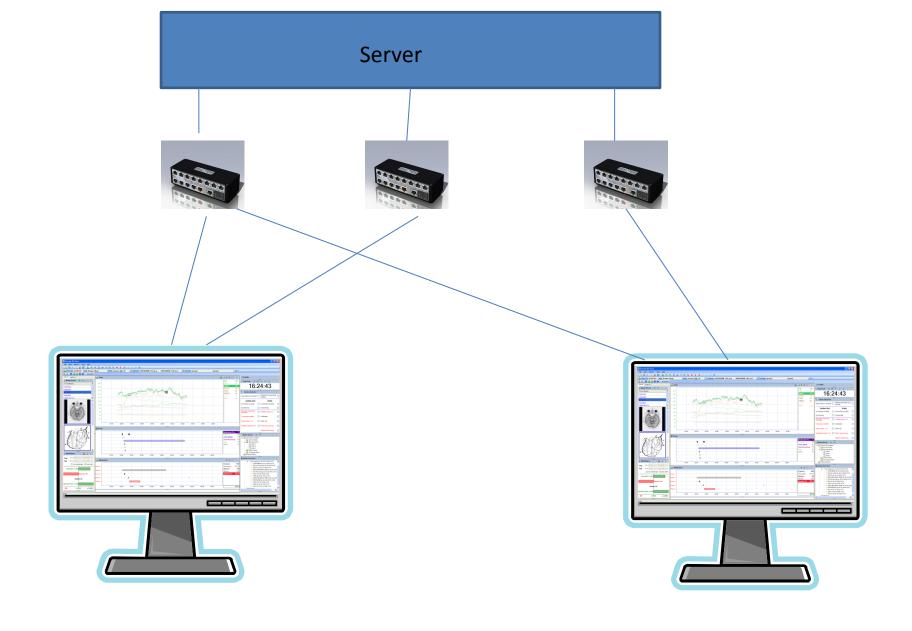
A distributed processing architecture

- •Fully encapsulated Drivers.
- Battery backup
- Auto device recognition (Plug n play)
- Very low power consumption
- No single point of failure
- Auto update of drivers



The Precept perfusion management system can capture all monitored parameters, alerts, settings, Fluids, Crystalloids, nutrition's, medications, gasses, and any other parameters.





ECMO





Terumo SDI 500 Blood Monitoring System

Precept 'Smart Dongles' for MDH

Draeger Monitor (not pictured - to be added)

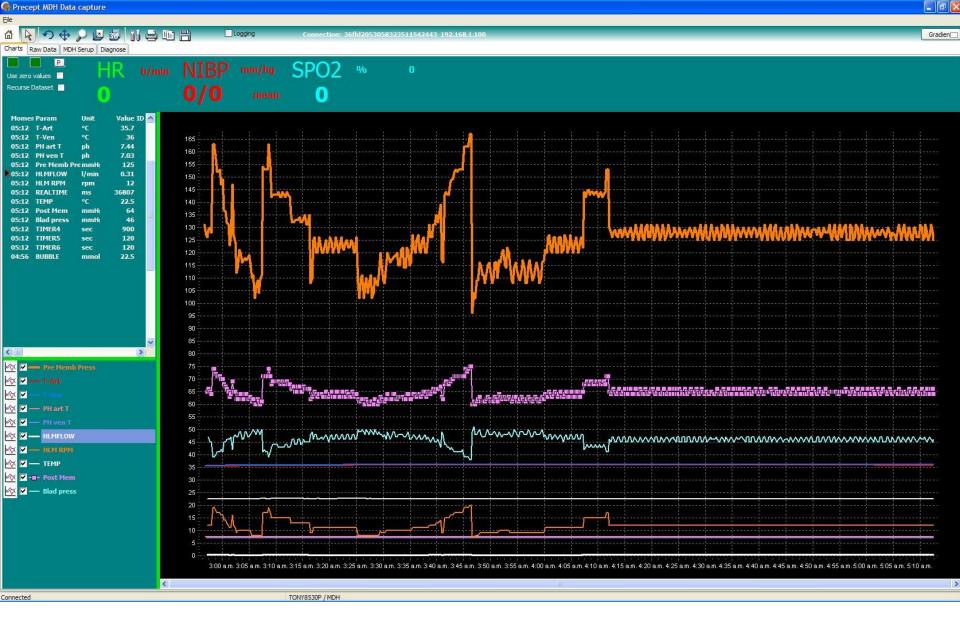
- Alaris Syringe Pump

-Data Analysis Suite (to be bracket mounted)

-Medical Device Hub (to be bracket -mounted)

-Stockert S5 Pump

Maquet Rotaflow (not pictured - to be added)



Chart



Real time charting. Users can design their own charts and feed them in real time from a 300+ vendor device election, or from an HL7 data feed.

