MUSE *in action*

Making the right connections

Process optimization

> " *Combining the right workflow adjustments with technology implementation carries greater value than equipment could carry alone.*"
>
> – Finance Executive
> *Large healthcare network with*
> *10+ affiliated hospitals*

Challenges

- Slow ECG report turnaround times, often delaying surgery starts and patient discharges
- Inconsistent entry of patient data into ECG cards, delaying interpretation
- Inconsistent ECG storage processes from facility to facility, reducing access
- Time-consuming processes

Goal

Within cardiovascular services, the network hoped to:

- Improve the quality of patient care
- Increase departmental efficiency
- Reduce length of stay (LOS)
- Improve turnaround time for ECG reports

Solution

A Digital ECG environment, implementing the MUSE™ Cardiology Information System, standardized ECG carts, and process changes

With the interfaces to MUSE and the bi-directional wireless connectivity to the ECG carts, the network was able to increase the accuracy of the data being captured while decreasing costs

Key Outcomes

Quality

- ECG turnaround (completion to interpretation) of 85-90% within 24 hours
- Avoidance of overread delays
- Patient data accuracy, access to ECG's, serial comparison

Productivity

- 10-15% improvement in capacity management
- Improved ECG professional efficiency

Cost savings

- $9.M savings due to improved decision times
- $107,850 in staff time, annually
- $33,025 in paper processes and storage costs
- $45,840 in transcription services

Cost avoidance

- $500,000 through ECG device redeployment vs purchasing new ECG carts