

MUSE in action

Process optimization

Making the right connections

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

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

"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

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

▶▶▶ 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

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