

Management Challenge

“How can I make my data work for me”

- Optimization of procedure times
Increasing overall efficiency
- Improve scheduling and productivity
- Decrease patient wait time and LOS
- Potential for increasing billing revenue
- Increase utilization of modality assets

Optimization of Ultrasound Appointment Scheduling Times Generates 15% Increase in Efficiency

Utilizing sample data obtained from a Community Hospital, we extracted the analysis for the top US procedures performed over a 10-day period for Out patients and ED patients. Using the principle that 80% change will come from 20% of exams, the highest frequency of procedures was analysed by average procedure times and where possible standard appointment times were decreased to reflect actual procedure times resulting in increased efficiencies gained.



Based on sample data for illustration purposes only

Using Analytics to Create Value in Medical Imaging

The new scheduled appointment time was determined based on the actual procedure times being captured by Bialogics DImax Analytics. Where there was a significant difference between the scheduled time and the actual procedure time, we made a modest change to decrease the scheduled time slot. This effectively increased the number of time slots calculated on an annual basis and the number of new patient exams possible. The results of our sample analysis proved that when compared with actual procedure times, scheduling can be optimized to allow for approximately 2600 additional exams generating a yearly total of new revenue based on current Ontario T-fee schedule of \$ 159,091 or \$795,456 dollars over 5 years. This would represent a one year breakeven and on a full 5-year project, return, an ROI of 425%

Bialogics shows how organizations can create value through data driven decision making in Medical Imaging.

