

Perioperative Efficiency

Johnson & Johnson Medical Devices Companies (JJMDC) CareAdvantage approach enables partnership with health system to improve operating room efficiencies in spine surgery

Needs Identification

- Reduce the total number of JJMDC trays being opened per procedure to drive a reduction in sterilization costs
- Minimize time spent managing JJMDC instrumentation table before and after procedures

JJMDC Capabilities*

- The JJMDC Operating Room Data Tracker tool provided customized analysis of case time performance versus baseline
- Optimized instrument tray sets, including the most commonly used standard instrumentation, eliminating the extraneous instruments
- Reduction in JJMDC trays delivered significant sterilization cost savings and provided scrub techs additional time to manage case flows

*All analyses and reviews focused on processes and performances related to JJMDC products only

An industry analysis of instrument use in trays across multiple specialties revealed that less than 25% of instruments were being used; additionally, an increase in instruments per tray correlated with more instances of incorrect instrument selection.¹

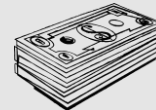
Delivering Results²



1,572 fewer trays used



43% reduction in OR setup and OR clean down time



\$196.5K annualized savings on sterilization costs[†]



20 tons of tray weight reduced

These are examples that are specific to JJMDC spine products only and do not guarantee or predict future results, which will vary depending on individual circumstances

[†] Assumes sterilization costs of \$125 per tray

References: 1. Stockert EW, Langerman A. Assessing the magnitude and costs of intraoperative inefficiencies attributable to surgical trays. *J Am Coll Surg*. 2014 Oct;219(4):646-655. 2. Abrams JH, Dekutoski MB, Chutkan N. Maximizing Operating Room Efficiency in Spine Surgery: A Process of Tray Consolidation, Instrument Standardization and Cost Savings. DSUS/SPN/1016/1469, November 2016.