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Increasing Cost Savings and Efficiencies through Custom Surgical Packs Executive Summary

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Executive Summary

The primary focus of this capstone project is to show how effective management of operating room supplies can provide cost containment for hospital supply chains.

For the purpose of this capstone the focus has been narrowed to custom surgical packs for perioperative services at Fort Hamilton Hospital which is part of the Kettering Health Network.

KHN currently has 113 custom surgical packs through our distributor Cardinal Health Identification Number (IDN) database, none of which is used by Fort Hamilton Hospital. There are several benefits to using custom surgical packs from a patient care standpoint, time savings and from a sourcing cost perspective.

From a time savings viewpoint custom surgical packs have a build of materials (BOM) that contain the exact supplies needed to perform a particular surgery to the exact surgeon's needs. The benefits are the time savings associated with operating room preparation time and turn over time between patients. From a patient care perspective if a patient arrives for an unforeseen emergency surgery, the case can be pulled quickly and efficiently. From a sourcing viewpoint there are cost savings by aggregating the custom packs into Fort Hamilton Hospital supply chain to receive the volume based pricing that can reduce cost significantly per case.

The outcome of this capstone was the aggregation of custom surgical packs into FHH supply chain, a cost savings of 46% in surgical supplies amounting to 3.31 million, surgical specialties standardization and a decreased operating room turnover time by 70 percent.