

Objective

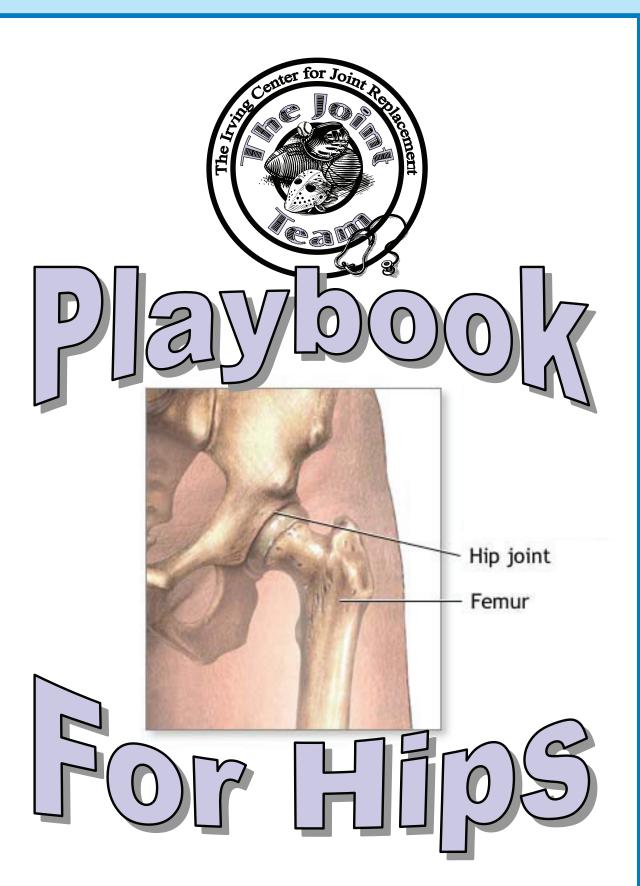
The educational preoperative program for joint replacement patients and their families is aimed at reducing surgical site infection (SSI) rates.

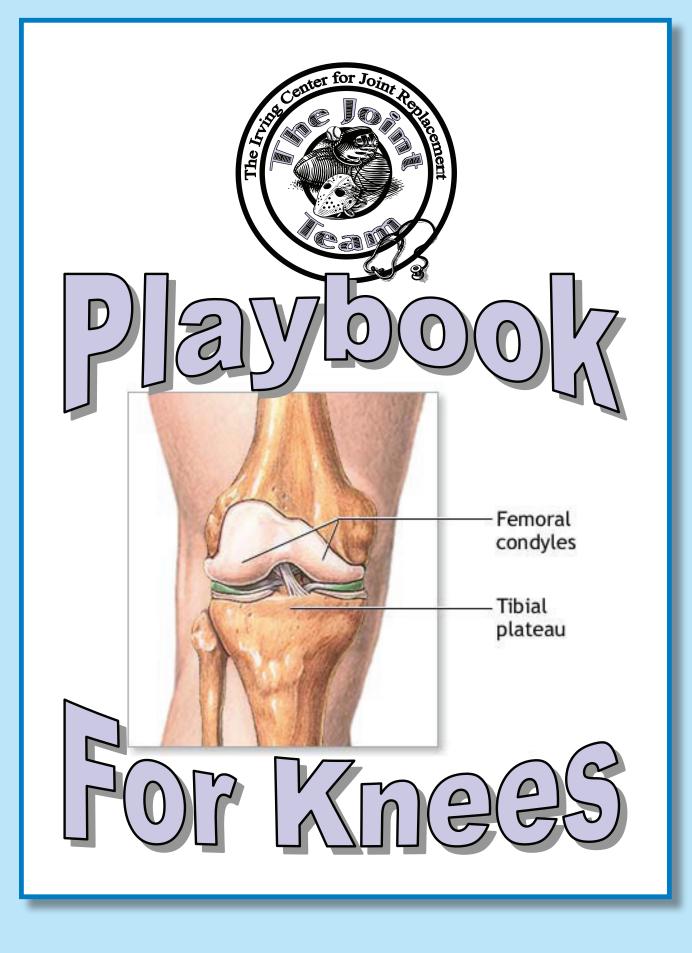
Methods/Measurement

- Developed weekly preoperative joint replacement educational program in 2007 for patients and their families.
- Educational program developed in collaboration with the orthopedic surgeons, infection control, lab, pharmacy, physical medicine and nursing.
- Irving Orthopedics and Sports Medicine surgeons send 100% of elective preoperative joint replacement patients to the mandatory educational program.
- Patients and families are introduced to the nursing and ancillary staff who will provide post-operative care.
- Nasal Methicillin Resistant Staph Aureus (MRSA) screening process completed prior to class.
- Patients who test positive for MRSA are required to complete the decolonization process per protocol.
- Experienced orthopedic staff nurses are trained as patient educators for the program.

Improving Patient Outcomes with Preoperative **Education Among Orthopedic Patients –** A Patient and Family Centered Approach

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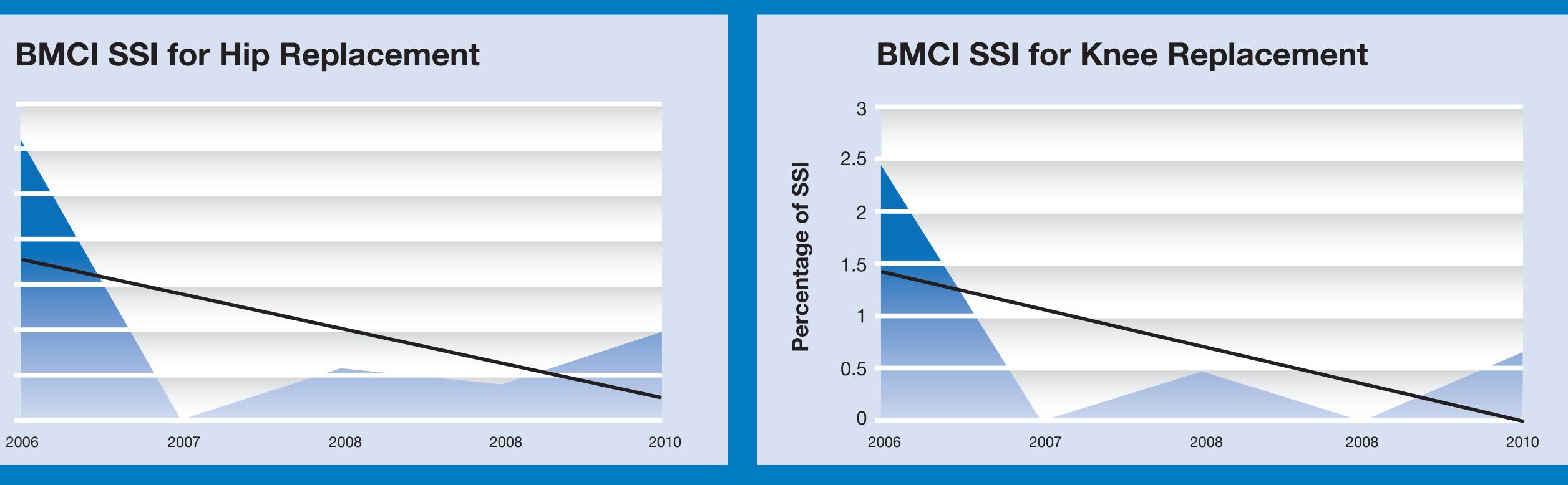




Results/Outcomes

Sustainability and Spread

- implementation



• The preoperative joint replacement educational program is currently in its fourth year. • 100% attendance of all elective joint replacement patients and families has been sustained since its

Increased orthopedic nurse participation as patient educators.

• Reduce the number of surgical site infections among hip and knee elective joint replacement surgeries.

• Patients and their families are better prepared to go home, thus increasing patient satisfaction. • The educational program model extended to other surgical areas such as colorectal surgery.

Conclusions and Lessons Learned

• Patients and families understand expectations for early ambulation, pain control after surgery, caring for wounds and dressings and completing activities of daily living after discharge.

• Patients and their families understand their role in prevention of surgical site infections after joint replacement surgery.

• Decrease in surgical site infections after hip and knee replacements since 2007.

• Increased collaboration between Orthopedic surgeons, physician assistants, nursing staff, patients and families with a special focus on prevention of potential complications.

