

Knowledge and Adult Learning Strategies for Implementing Components of an Intraoperative Bundle to Reduce Surgical Site Infections

Developing a robust perioperative workforce.



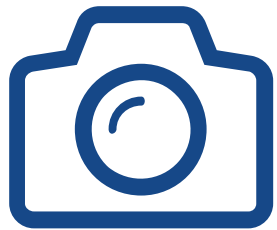
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What are the significances of this initiative?

1. Provides a strategy for nursing management that directly relates to practice improvement.
2. Implementation of standardized, evidence-based intervention to teach operating room staff to prevent infections translate to reduced costs and better patient outcomes.



How did we know improvement was needed?



A gap exists
between
research and
practice



Lack of
uniform
knowledge



The initiative
addressed the
gap



The Agreement
uses Adult
Learning
Principles

Analysis

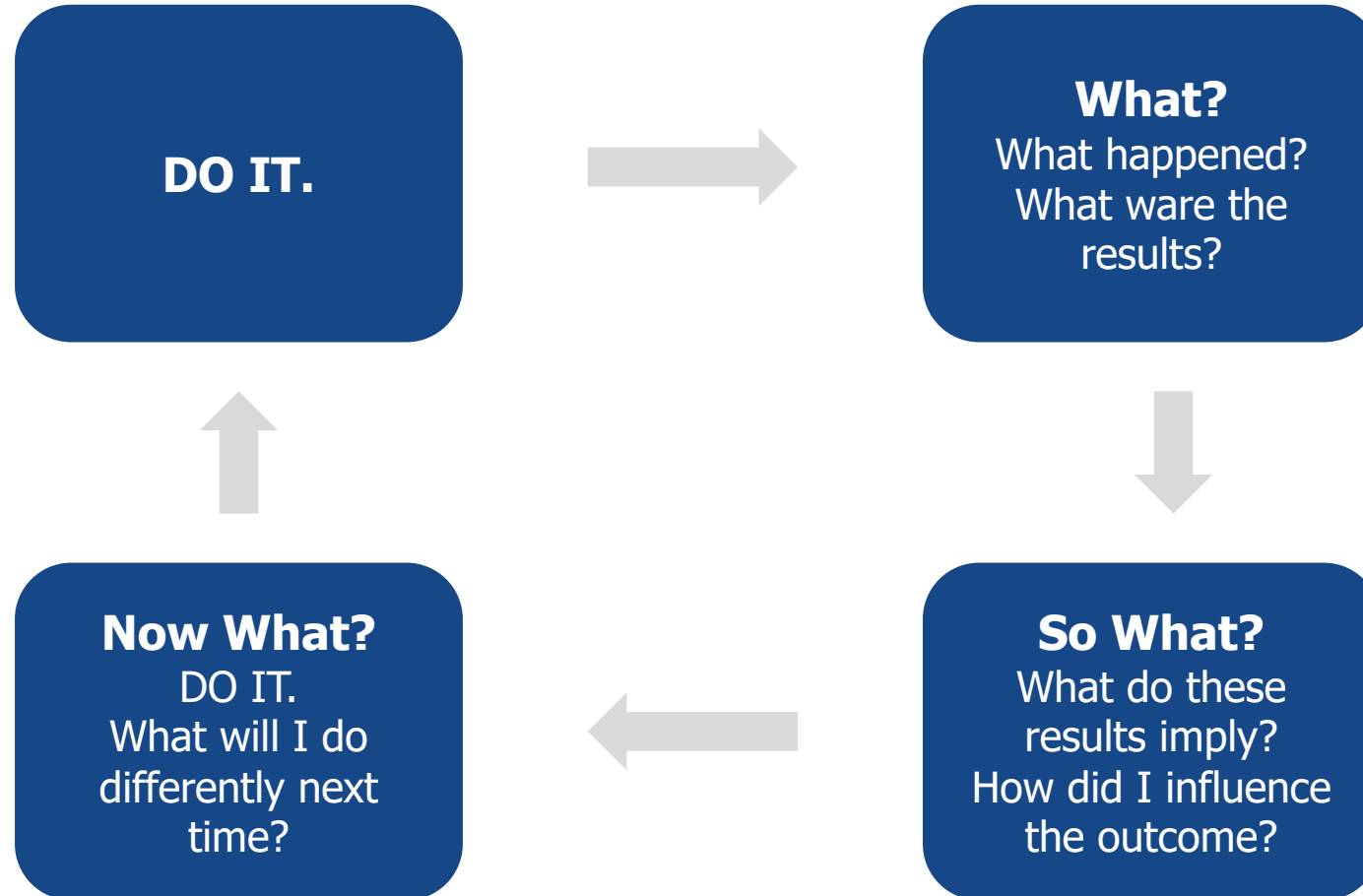
What did we try to accomplish?

Improve the knowledge base of Operating Room Staff regarding the use of an intraoperative bundle to reduce surgical site infection, through experiential learning strategies.



What was our strategy to improve knowledge?

Utilize David Kolb's Experiential Learning Cycle to teach the components.



The 4 A's of Experiential Learning Cycle

4

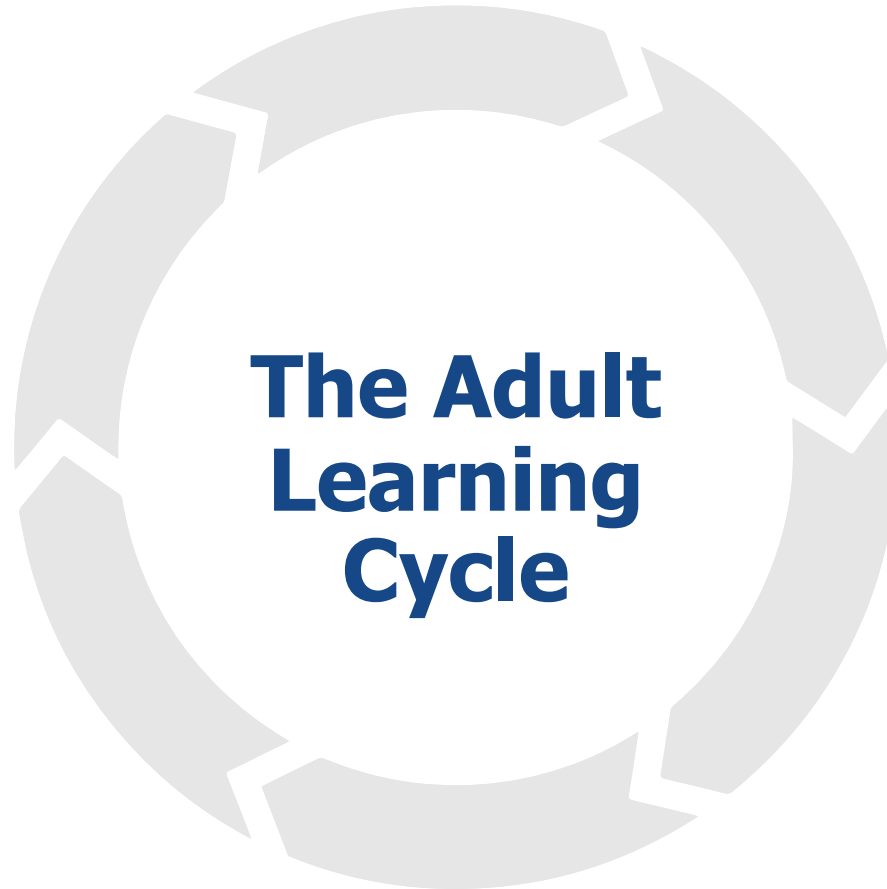
Application:

Active experimentation through planning and implementing learning as a new way of doing things.

3

Abstraction:

Conceptualization of learning from experience and tying it up to evidences.



1

Activity:

Concrete experience on new techniques such as using separate instruments during fascia and skin closure, etc.

2

Analysis:

Reflective observation on the experience; what went wrong, what went right, and how things could be done better.

How did we know improvement was made?



Pre-test measured existing knowledge before the educational module.



Post-test measured knowledge after the educational module.



Significant improvement of knowledge was observed using paired t-test statistical instrument.



Implications of this initiative to Perioperative Nursing



Strategy is rolled out from gynecology surgery into other surgery service lines such as colorectal surgery, urology, and general surgery.



Fully utilizing Experiential Learning Cycle as a strategy significantly improved knowledge of the bundle.

