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An Alternative To Implanting Loop Recorders In A Hospital

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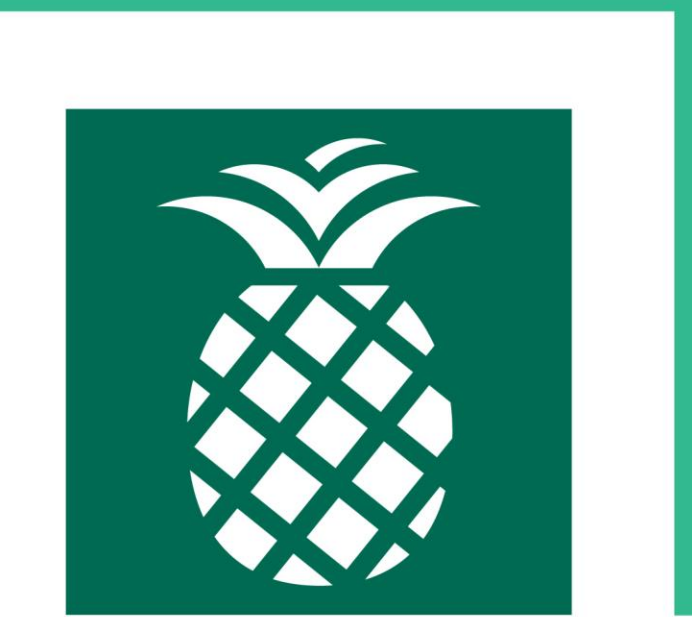
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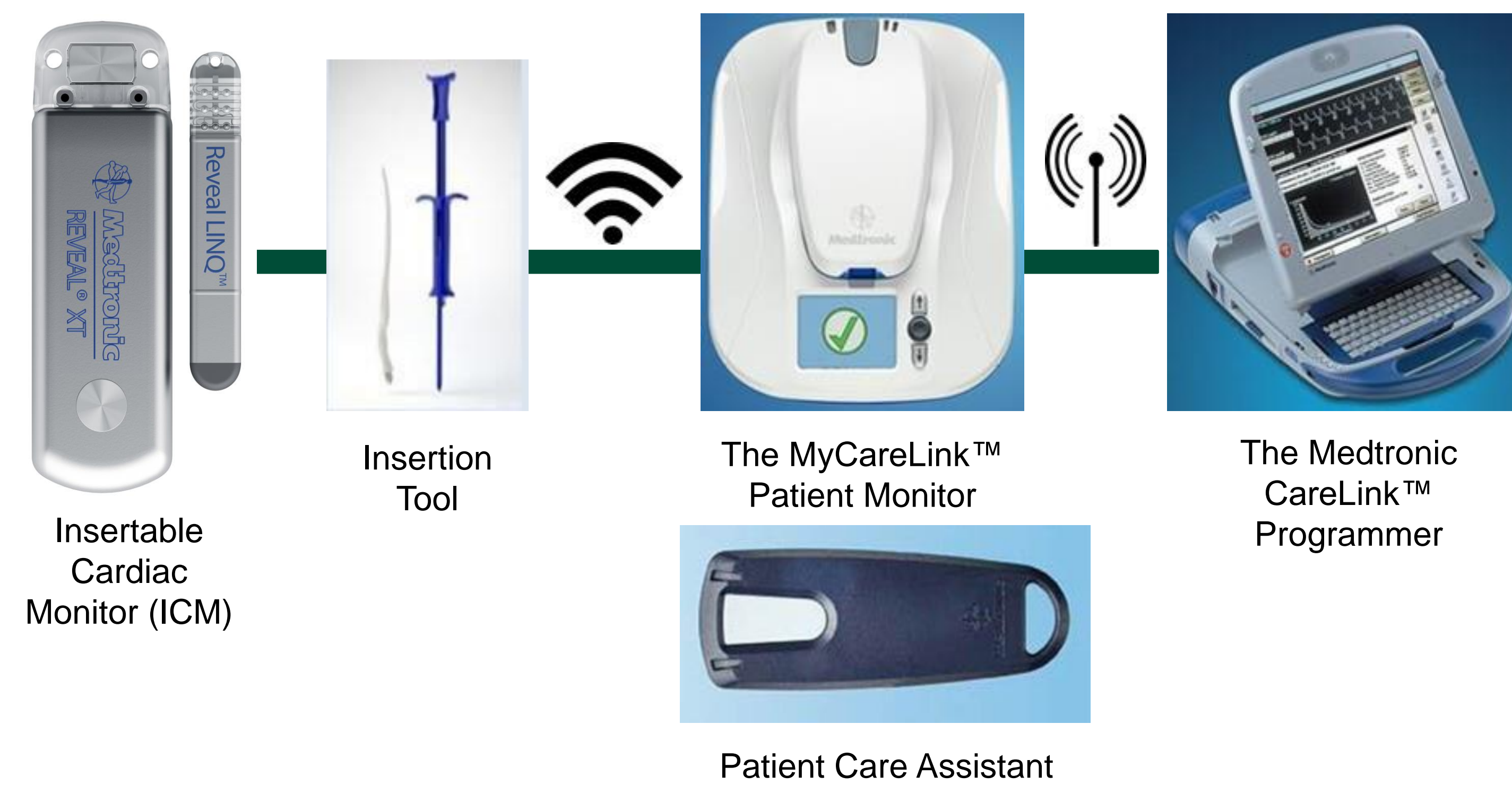
An Alternative To Implanting Loop Recorders In A Hospital

Marie-Paule M. Lafontant EdD, MSN, RN-BC; Valerie E. Smith, MSN, RN;
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Background

Cardiac arrhythmias/unexplained syncopal episodes remain a challenge. Loop recorders assist in identifying the causes behind cardiac and neurological events.



Purpose

To compare the practice of implanting loop recorders at the bedside to implantations in the Electrophysiology (EP) lab.



Research

Method

Design: Retrospective comparative review of electronic medical charts (N=194) from 10/21/2016 to 10/20/2017

Framework: Quality-Cost Framework (Health Care Quality, Costs; Return on investment/bedside implantation influence on cost).

Variables:

- ❖ Dependent: patients' length of stay, timeline of procedure, cost, number of staff involved, number of procedures, and hospital return on investment
- ❖ Independent: Implantable loop recorders procedure (at the bedside and in the Electrophysiology lab)

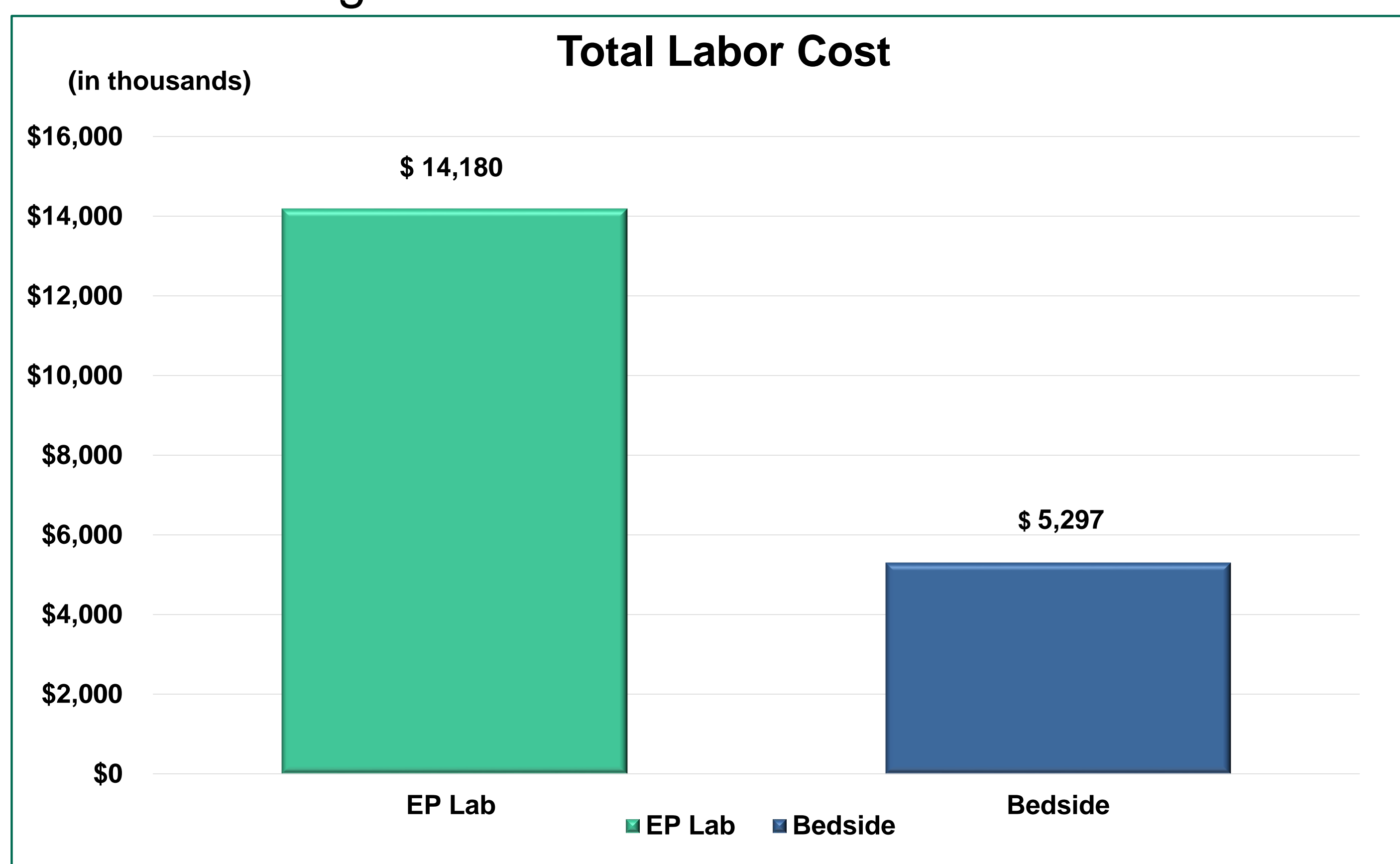
Data Analysis. Descriptive statistics to compare the two groups' outcomes means

Ethics: Approved by the Institutional Review Board.

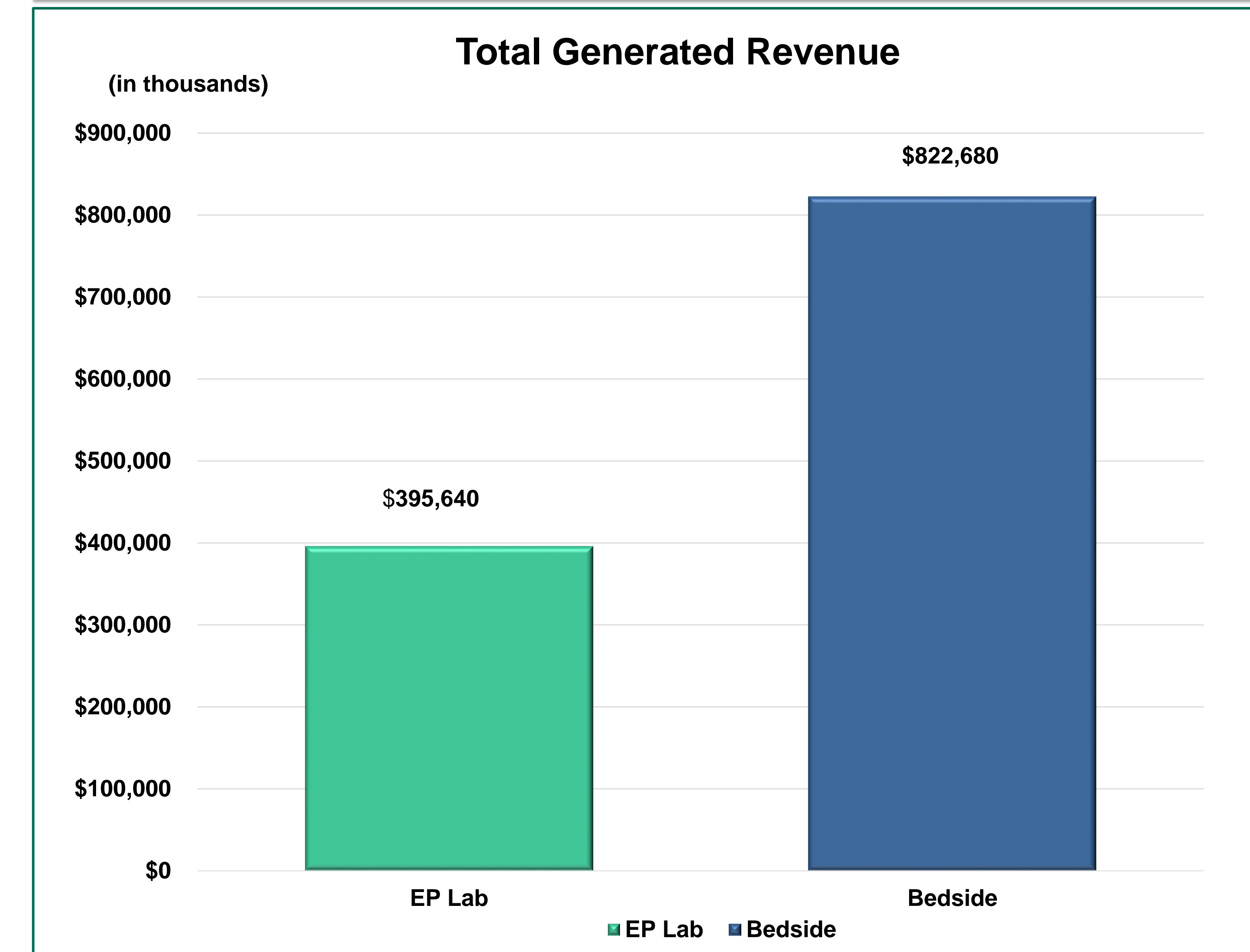
Results

Bedside procedures resulted in:

- ❖ Increased number of procedures
- ❖ Increased hospital return on investment
- ❖ Cost savings: Decreased labor cost/Staff



Results



Implications for Practice

Nursing Practice:

- ❖ Early discharge/Increased patient satisfaction
- ❖ No sedation/less invasive procedure
- ❖ No delay for EP Physician/EP room available
- ❖ 2-3 CVCU rooms in use one after the other

Hospitals' Administrators:

- ❖ Decreased length of stay
- ❖ Increased return on investment
- ❖ Quick Turn around
- ❖ Less staff per procedure

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