



# Weaving Evidence through the Curriculum in a Doctor of Nursing Practice Program



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## Using Evidence to Drive Practice

- **New Paradigm in Nursing**
  - Use of best available information to answer clinical questions to improve practice
  - Improved patient outcomes
  - Avoids unnecessary procedures
  - Reduce complications
- Professional, social and ethical necessity to ensure safe patient care
- **Doing things the way they've always been done is no longer acceptable**

Nurses should feel empowered to change practice using proven methods

## Essentials of Doctoral Education



These are DN BEES. The DN Bees are learning that use of EVIDENCE will increase honey production and improve taste! This skit drives home the use of evidence in a systems change.

## EBP Project: Following the Iowa Model

- Step 1: Identify the problem (QI data, clinician observations trigger a "Burning Question")
- Step 2: Form a Team
- Step 3: Review the Evidence (Research or Clinical Practice Guidelines)
- Step 4: Is there Sufficient Evidence to Change Practice?
  - If Yes:
    - Select Strategies/Outcomes
    - Collect baseline data
    - Implement
  - If No:
    - Re-evaluate the Evidence
- Step 5: Evaluate the Practice Change
  - Is it working?
  - What are the outcomes?
- Step 6: Share the Information
  - Let others know of your findings and expand the scope

## DNP Student Project # 1

### Evidence-based practice strategies for a successful Doctor of Nursing Practice project

After careful review of scientific evidence on pediatric asthma my project was formulated and refined with expected patient outcomes. Evidence was continually used to guide and further refine the project. I implemented the project into my clinical practice setting. The evidence based approach was intended to improve outcomes for pediatric patients with asthma and has been successful so far.

What I have learned from this program is that evidence based nursing is a patient centered approach which combines theory and grounded scientific evidence to improve nursing practice and effect change. Clinical practice guidelines, practice expertise, and patient preferences must drive clinical decision making. Although the primary goal of evidence based practice is to improve patient outcomes, nursing outcomes should also improve. As nurses we want to understand the why behind what we do, and evidence based practice allows us to understand that.

## Weaving Evidence into Practice

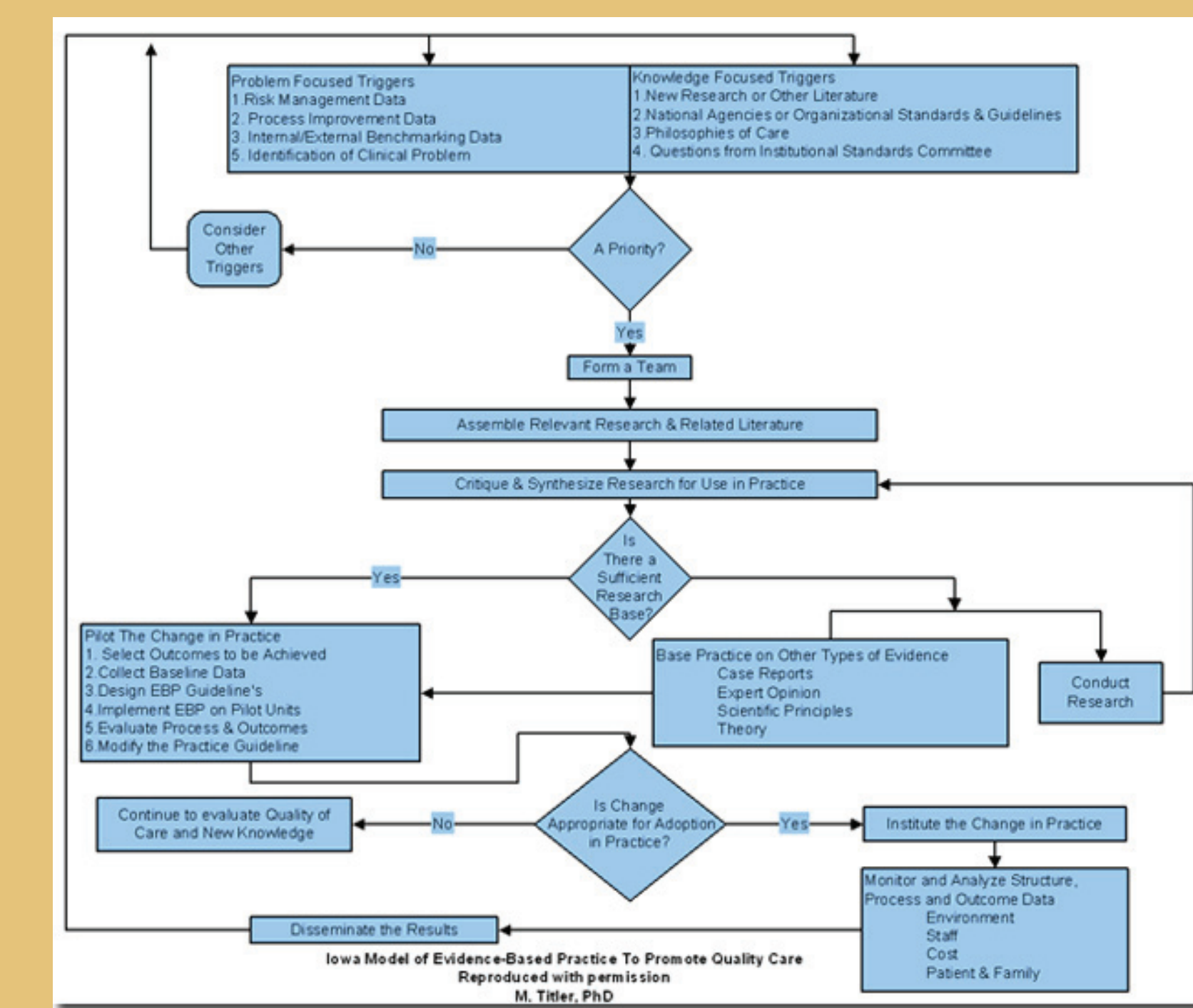


## USA Starts Weaving At Orientation

- Assertions:
  - Evidence is the basis for practice
  - Evidence is essential for practice change
  - How does evidence get integrated into practice
- Integration Mechanisms
  - DNPs are leaders, they lead change
  - DNPs use latest evidence and integrate it into delivery of patient care
  - Collaborative practice (Inter-professional)

## For DN Bees

- Honey amount not sufficient to support hive
- Fewer and/or different flowers
- Honey tastes different/larvae not eating well
- PROBLEM!!!! Hive cannot survive!
- Evidence: few/different flowers—change pollen collection/pheromone patterns
- Educate pollen collectors
- Change pollen collection/improve honey
- Honey flowing/babies happy!!!



## DNP Student Project #2

### Evidence-based practice strategies for a successful Doctor of Nursing Practice project

Using evidence to guide nursing practice is recognized as the foundation to improve patient care. Gaining knowledge and skills in evidence-based practice (EBP) process ensure health care providers have the necessary tools to take ownership of their practice and transform healthcare.

Minimizing the peripheral intravenous (PIV) attempts in the pediatric patient (DNP project) incorporated current best evidence, clinical expertise, and patient/family perceptions to question current practice.

Deliberate preparation and planning provided a strong project foundation. Organizational support for healthcare provider's role, embracing the philosophy that children are not little adults, and specific pediatric PIV education can improve the care of all hospitalized children. Evidence-based practice must be embedded into everyday practice.

## DNP at University of South Alabama

- The Doctor of Nursing Practice (DNP) at the University of South Alabama prepares graduates to provide the most advanced level of nursing care for individuals and communities so they can:
  - Assume organizational and system leadership in the analysis, delivery, and management of nursing care.
  - Implement the highest level of advanced nursing care to produce high quality, cost-effective outcomes for diverse patient populations.
  - Use theories, concepts, and analytic methodologies to design, implement, and evaluate practice by applying evidence to transform nursing systems.
  - Contribute to the knowledge of best-practices and dissemination of outcomes through professional writing and presentations.
  - Develop practice standards based on the integration of ethics and evidenced-based nursing care.
- Graduates are prepared to intervene in organizational systems, use systems thinking for quality improvement and organizational change initiatives, and critically analyze current evidence to guide practice.

## Gathering Evidence and Connecting it to Achieve Improvement

- Clinical problem/issue
- Status Quo
- Analyze current outcomes and compare to standard/metric
- Recognizing Differences and need for change
- Review evidence/Select strategy
- Build consensus/share evidence
- Implement
- Evaluate/compare outcomes

## Iowa Model

- The **Iowa Model** guides clinical decision-making and **evidence-based practice** implementation from practitioner and organizational perspectives.
  - Successfully implemented since 1994 internationally
  - Infuses research into practice to improve quality of care
  - Planned change principles integrate research and practice
  - Utilizes a multidisciplinary team approach
  - Utilizes feedback loops



Finished product

## Evidence based systems change projects

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