



# Clinical Safety & Effectiveness Cohort # 7

**Utilization of Evidence-Based Practice Resources  
by Junior Nursing Students**



**Educating for Quality Improvement & Patient Safety**

# DISCLOSURE

Danet Lapiz-Bluhm, BSN, PhD has no relevant financial relationships with commercial interests to disclose.

Christine Gaspard, MSLS has no relevant financial relationships with commercial interests to disclose.

Katherine Prentice, MSIS, AHIP has no relevant financial relationships with commercial interests to disclose.

# The Team

- Christine Gaspard, MSLS\*
- Danet Lapiz-Bluhm, BSN, PhD<sup>†</sup>
- Angela Myatt, M.Sc.\*
- Katherine Prentice, MSIS, AHIP\*



## Other key players:

- Nursing Research and Evidence-Based Practice (NURS 3402) Students
- Information Desk Library staff and Mobile Library staff volunteers
- Jonquil Feldman, MALS, AHIP\*
- Dr. Rosemary Walulu<sup>†</sup> – NURS 3402 Faculty
- Dr. Peter Guarnero<sup>†</sup> – NURS 3402 Faculty
- School of Nursing, Office of Admissions and Student Services
- Center for Patient Safety & Health Policy Team: Jan Patterson, MD, Amruta Parekh, MBBS, Leticia Bresnahan, MBA

\* UT HSC Briscoe Library

<sup>†</sup> UT HSC School of Nursing

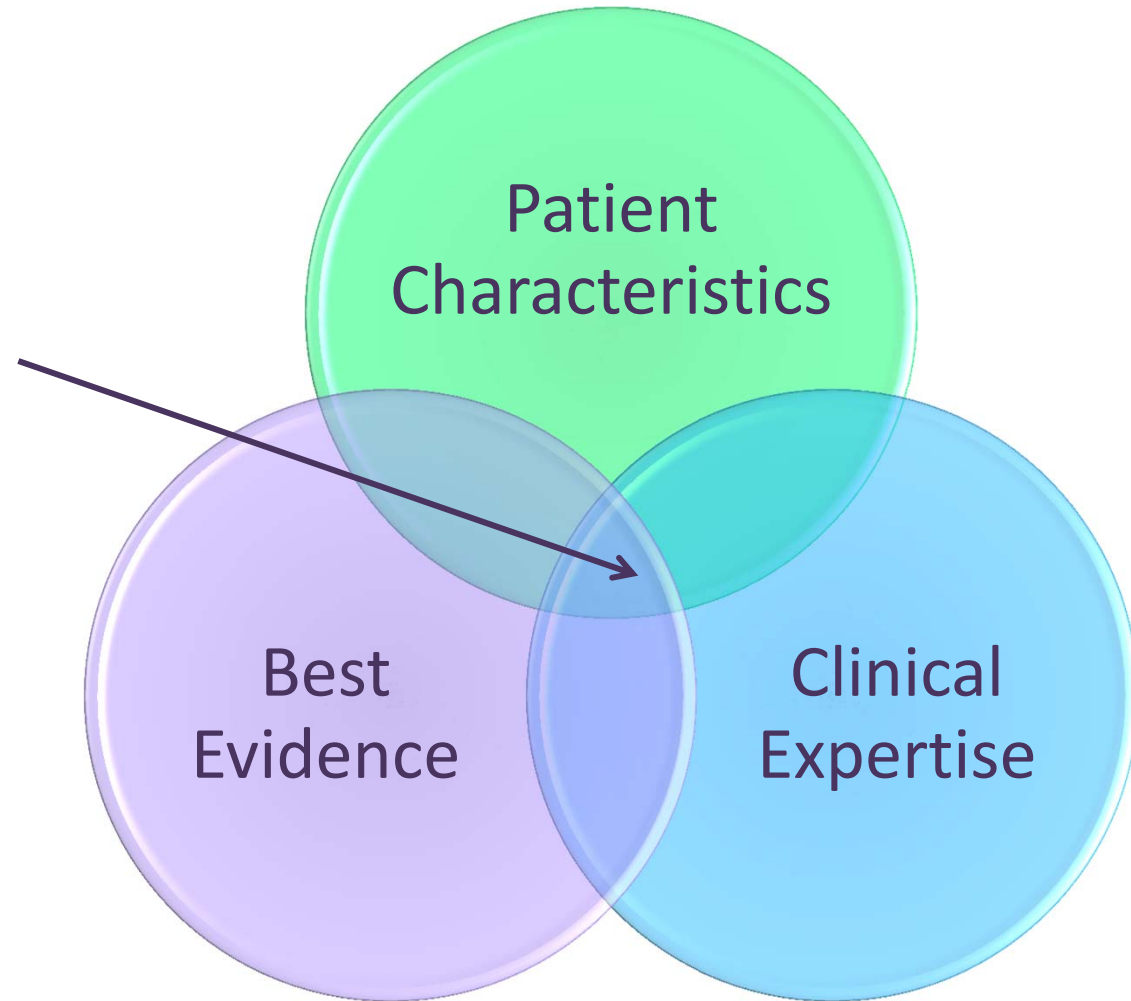
# What We Are Trying to Accomplish?

## OUR AIM STATEMENT

Our aim is to increase utilization of evidence-based practice (EBP) resources by 25% among junior level (semester 2) students at the UT Health Science Center School of Nursing in 3 months.

# Why Focus on Evidence-Based Practice?

Integrates the **best research evidence** with **clinical expertise** and the **patient's unique characteristics** (Sackett)

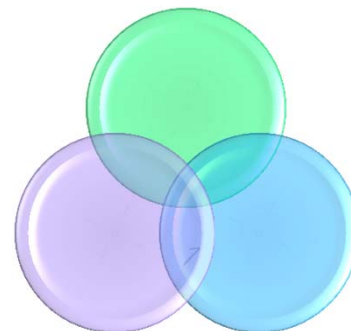


# PROJECT MILESTONES

Team created	October 2010
AIM Statement created	January 31, 2011
Weekly Team Meetings	January – May 2011
Background Data, Brainstorm Sessions, Workflow & Fishbone Analyses	January 2011
Interventions Implemented	January 13, 2011 – April 15, 2011
Data Analysis	March – April 2011
CS&E Presentations: SON Faculty Librarians' Meeting	May 20, 2011 May 23, 2011
CS&E Graduation Presentation	June 24, 2011

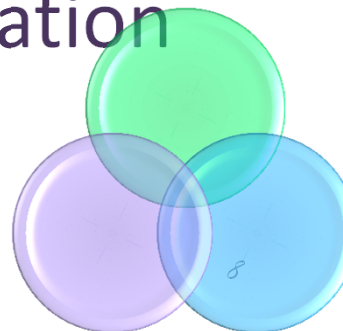
# Background

- From bench science to clinical use, the translation to use takes on average 17 years (IOM).
- EBP is designed to ensure quality and safe patient centered care.
- EBP tools have been used to achieve the National Patient Safety Goals.
- Training and ongoing education on EBP must be integrated within the curriculum.



# Background

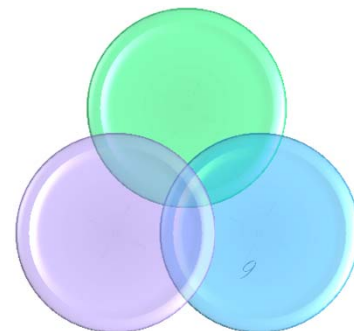
- The American Association of Colleges of Nursing (AACN) has mandated scholarship on EBP where nursing students should receive training on accessing evidence based literature and appropriate practice utilization. (AACN, 2008)
- Existing nursing curriculum includes the tenets of research but little data is available on actual student awareness and utilization of EBP.
- We aim to measure student knowledge, utilization and satisfaction with EBP.





# Background

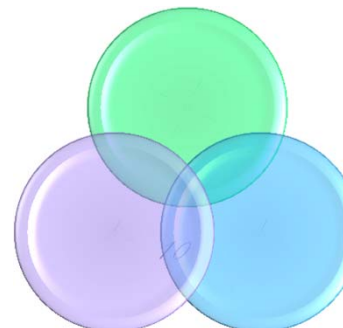
- Since **lack of knowledge**, **access** to and **utilization** of EBP literature are barriers to effective clinical decision making, our project goal is to address these issues.
- Patient safety and quality of care will be improved.
- Nursing students will become champions of EBP in future clinical care.



# How Will We Know That a Change is an Improvement?

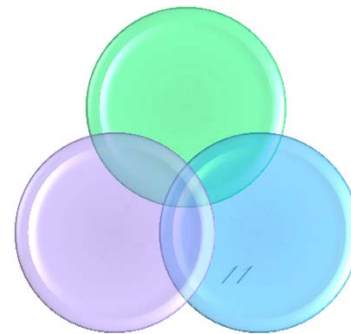
*Always a challenge for education projects*

- Types of measures
  - ✓ Surveys
- How you will measure
  - ✓ Frequency of self-reported utilization
  - ✓ Self-reported satisfaction
- Specific targets for change
  - ✓ Satisfaction
  - ✓ Utilization



# What Changes Can We Make That Will Result in an Improvement?

- Library orientation class
  - Library services
  - Getting Help
  - Evidence-Based Practice resources
  - Hands-on practice
- Library access and help
  - Mobile Library and Information Desk
- Blackboard Course Resources

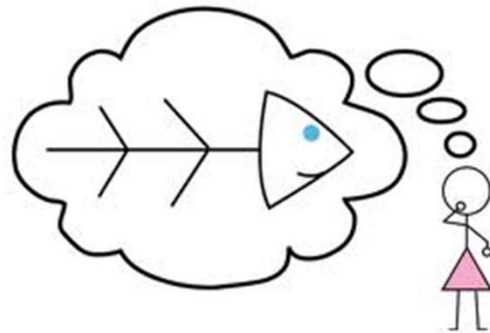


# Selected Process Analysis Tools

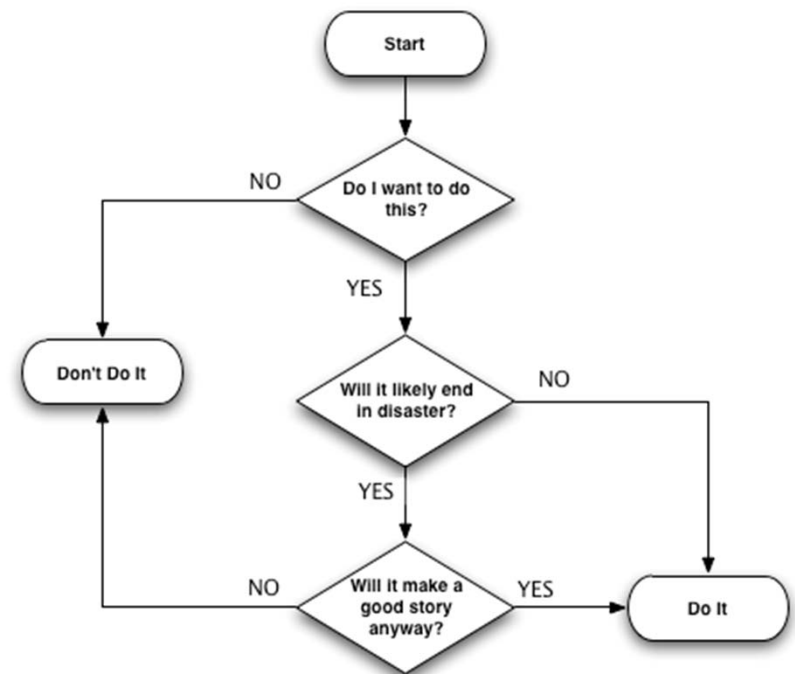
- Brainstorming



- Fishbone

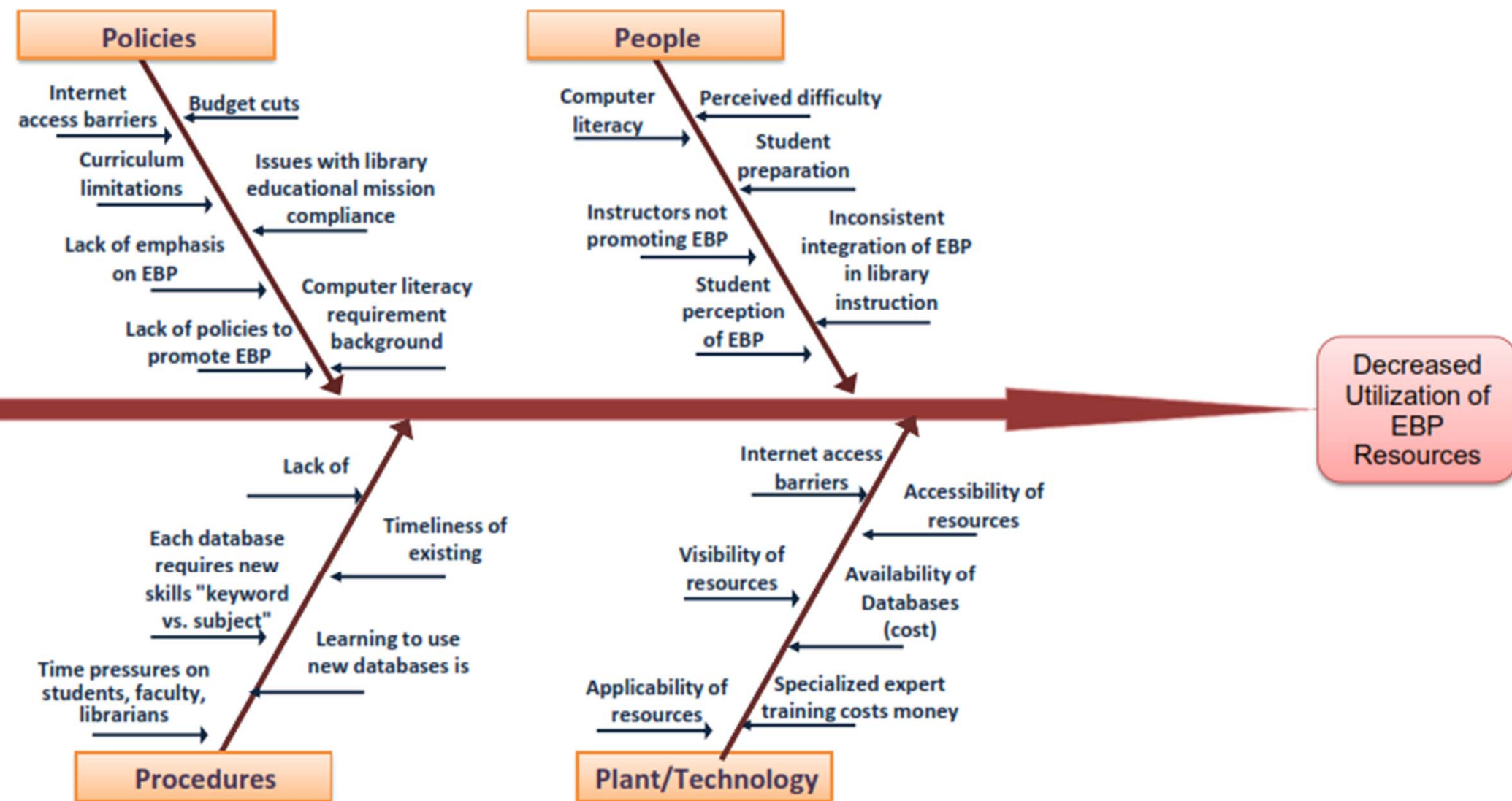


- Flowchart

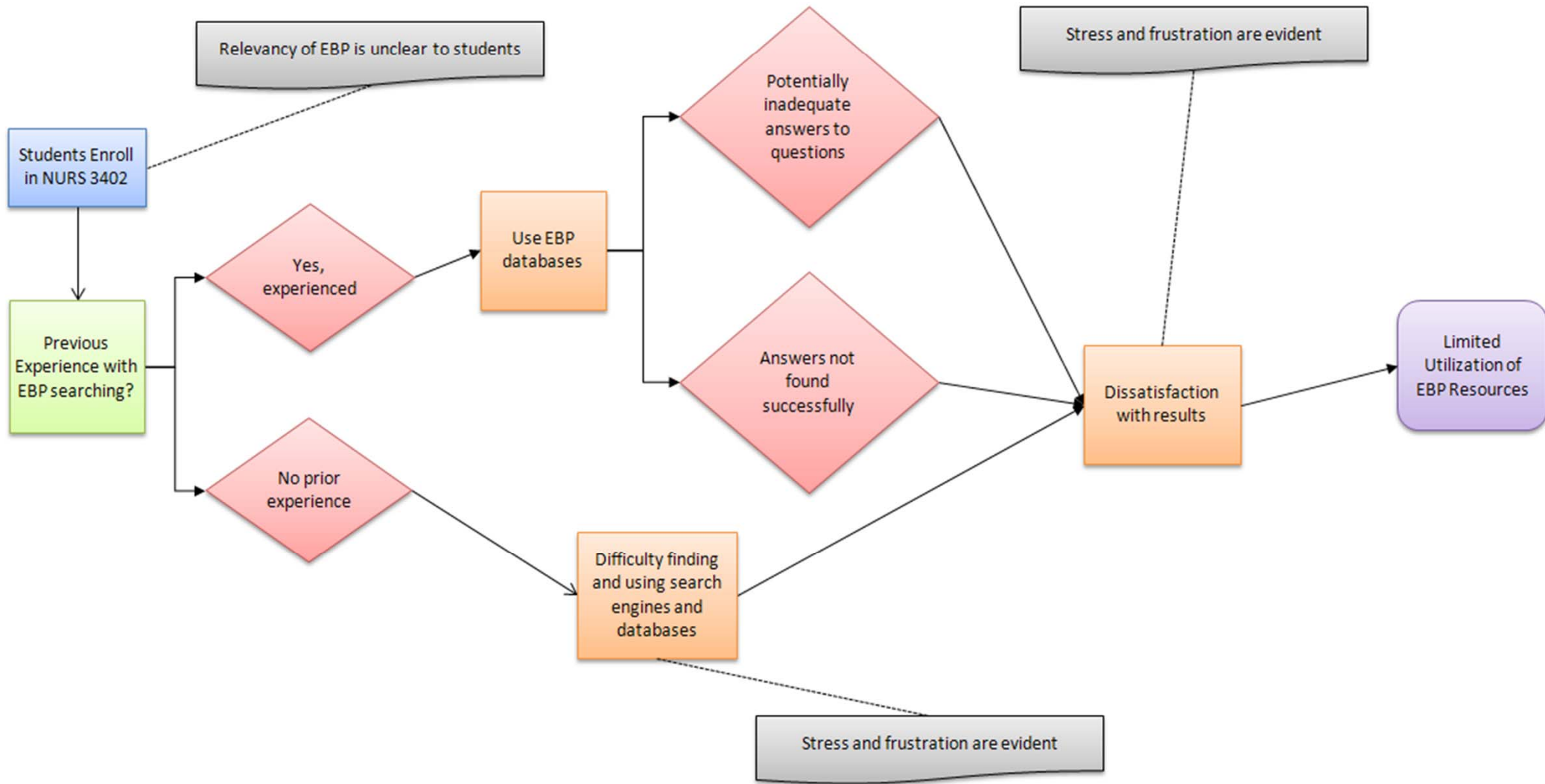


# Fishbone Diagram

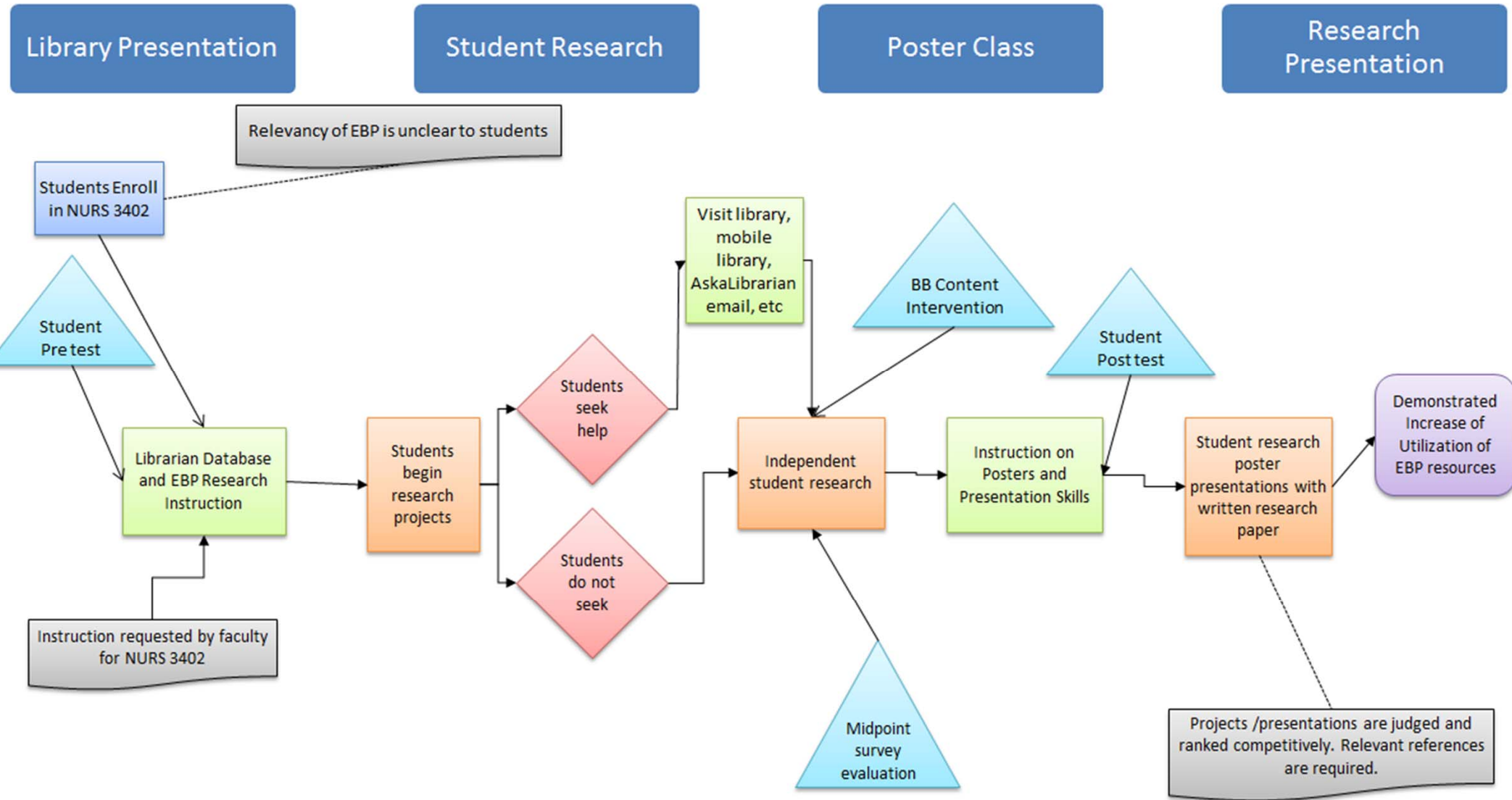
*Challenges to the Utilization of Evidence Based Practice Resources by Junior Nursing Students*



Utilization of Evidence Based Practice Resources by Junior Nursing Students  
*Faculty/Students - Process Flow Before Interventions*



Utilization of Evidence Based Practice Resources by Junior Nursing Students  
*Faculty/Librarians/Students - Process Flow with Interventions*



# Selected Decision Making Tools

**Pareto Diagram** - to better identify barriers to utilization

