Factors Influencing Information Literacy Self-Efficacy of Prelicensure Baccalaureate Nursing Students

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**Background and Significance**

IL competence as a **new concept in nursing education**
- Defined by American Library Association as: the ability to **RECOGNIZE WHEN INFORMATION IS NEEDED** and to:
  - LOCATE;
  - EVALUATE; and
  - EFFECTIVELY USE information

**Literature Review**

- Technology revolution related to IL
  - Information care technology confidence and competence related to IL
  - Information searching behaviors and preferences of undergraduates
  - IL in nursing education
  - IL assessment tools
  - Conceptual Framework
  - Rogers Theory of Diffusion of Innovation

**Statement of Problem**

State of the science related to IL in nursing education
- Lack of empirical research regarding IL self-efficacy of baccalaureate nursing students
- Little known about educational strategies employed by nursing programs aimed at IL competency development

**Research Questions**

**Mixed Methods Design**

**Quantitative Research Questions:**
1) What are the IL self-efficacy levels of prelicensure baccalaureate senior nursing students as measured by the Information Literacy Self-Efficacy Scale (ILSES)?
2) What demographic factors and educational strategies influence IL self-efficacy levels of prelicensure baccalaureate senior nursing students?

**Qualitative Research Question:**
3) How do administrators, faculty, and deans of schools of nursing describe educational strategies utilized in regards to development of IL competencies of prelicensure baccalaureate nursing students?

**Sampling Procedures**

Quota sample of nursing programs from across the United States, multi-site design
- Site recruitment and IRB approval for 8+ nursing programs, inclusion criteria of participants

**Quantitative Student Sample:**
- Power analysis (N= 59); Aim to recruit 100

**Qualitative Faculty Sample:**
- Saturation, minimum of one faculty, dean, director or administrator from each participating nursing program

**Data Collection**

**Quantitative Data Collection:**
- Email distribution by faculty
- Qualtrics ILSES and student demographic factors (5)

**Qualitative Data Collection:**
- Consent, completion of IL Curriculum Survey to determine educational strategies (6)
- Semi-structured interview

**Data Analysis**

**Quantitative Data Analysis:**
1) Univariate and descriptive analysis, mean and SD of sample
2) Multiple linear regression

**Qualitative Data Analysis:**
3) **Content Analysis, directive/deductive method**
   - Creation of categorization matrix and data coding
   - Analysis presented by codes with exemplars and descriptive evidence from interviews

**Conclusion**

IL competency as a priority in nursing education
- Mixed method study with three-fold purpose:
  1) Describe prelicensure baccalaureate senior nursing students’ IL self-efficacy levels utilizing the valid and reliable ILSES tool
  2) Analyze the relationship between demographic factors, educational strategies, and IL self-efficacy
  3) Provide a description of educational strategies employed by nursing programs across the United States aimed at achieving IL competency

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