EMOTIONAL INTELLIGENCE AND THE ATI-NCLEX-RN PREDICTOR EXAM

Sarah Yvonne Jimenez, PhD, RN
University of Texas at El Paso

Relationship of Undergraduate Nursing Students’ Emotional Intelligence, Critical Thinking, and Resilience to Performance on the ATI-NCLEX-RN Comprehensive Predictor Examination
**Purpose**

Determine significant predictors of ATI-NCLEX-RN Comprehensive Predictor Examination Performance among undergraduate baccalaureate nursing students among the variables of Emotional Intelligence (EI), Critical Thinking (CT), and resilience

**Background**

- Nursing Workforce
- NCLEX-RN
- ATI Comprehensive Predictor Exam
- Predictors of passing NCLEX-RN
- Predictors of academic performance
Emotional Intelligence

4 Branch Abilities Model

Understanding Emotions

Perceiving Emotions

Emotional Intelligence

Managing Emotions

Using Emotions

Mayer & Salovey, 1997

Power of Personal Attributes

Critical Thinking

Emotional Intelligence

Resilience

Demographic Factors

Nursing Student Performance on ATI Comprehensive Predictor Examination
Hypothesis

There will be a significant association between EI, CT, resilience, and other demographic factors to nursing student test performance on the ATI-NCLEX-RN Comprehensive Predictor Examination at the alpha level, $\alpha = .05$.

Methods

- Exploratory, cross-sectional, predictive, correlational design
- Nonprobability convenience sample of 45 BSN students
- Surveys:
  - Demographics
  - MSCEIT V2.0
  - CCTST
  - CD-RISC
- ATI-NCLEX-RN Comprehensive Predictor Examination Scores
- Pearson $r$ correlations and multiple linear regression
Results

- Yes—Statistically significant positive correlation between CT and test performance  
  \((r = .47, p = .001)\)
- No—No statistically significant correlation found between EI and test performance
- No—No statistically significant correlation found between resilience and test performance
- Surprise Finding—Statistically significant negative correlation between use of 2.0 Nurse Logic Resource and test performance \((r = -.51, p < .001)\)

Results

- Neither EI or resilience were significant predictors
- Significant predictors:
  - Age \((B = 3.27, t = 2.07, p = .047)\) age 25-40 years
  - Use of Nurse Logic 2.0 \((B = -6.42, t = -4.08, p < .001)\)
  - Critical Thinking \((B = 0.34, t = 2.70, p = .011)\)
**Results**

- Findings of the overall linear regression were statistically significant $F(12,32) = 3.34$, $p = .003$, $R^2 = 0.556$
- Collectively, demographics (gender, age, ethnicity, previous work experience, previous degree, use of Nurse Logic 2.0 resource, and native language), EI, CT, and resilience **SIGNIFICANTLY predicted** ATI-NCLEX-RN Comprehensive Predictor Examination test scores, supporting the hypothesis.
- Limitations: Homogenous nonprobability convenience sample limiting generalizability

**Conclusion**

- CT is critical factor to success on ATI-NCLEX-RN predictor exam
- EI, CT, and resilience along with demographic factors collectively predicted test performance
Implications for Practice

• Consider synergistic effects of EI, CT, and resilience to test performance
• Expand studies to determine how these variables work together
• Design curricula that supports development of the learnable attributes of CT, resilience, and EI

Thank You
References


