

Background / Significance

NCLEX success is a vital component of nursing education

Current 2016 NCLEX Pass Rates:

- 85.71% of first time test takers pass in the US
- 42.45% for repeat US candidates
- 85% first time pass rate in NC

Cost of NCLEX failure

- Individual
 - Psychosocial
 - Financial
 - Up to \$11,426
 - Lost wages
 - New test
 - Review / remediation
- Program
 - Accreditation issues
 - Recruitment & retention of students
 - Obligations to the community
- Employer
 - Hiring and training
 - \$27,600
 - Vacancy as a result of failed attempt
 - \$87,197

Purpose of Study

The purpose of the study was to determine predictors of NCLEX success based upon results of a standardized comprehensive assessment.

Study Design & Methodology

Retrospective Analysis

- $n = 250$ graduates from a pre-licensure program
- 3 year period of time
- Correlation analysis
 - Comparison between comprehensive predictors and NCLEX success
 - Determinants
 - Number of questions
 - Areas of strength / weakness
 - Pass / Fail results

Results / Outcomes

Probability of Passing	# Questions	Pass	Fail
90-95	99.33	20	1
96	118	10	0
97	148	87	0
98	100	84	0
99	75	48	0

Conclusions

Success obtained in determining pass / fail results

- 99% pass rate over last three years
- Correlations were shown to be statistically significant
- More difficult to determine areas of weakness
 - When comparing areas NCLEX program analysis to comp predictor areas of weakness, correlations were not noted

Findings & Implications

- Success was noted in predicting NCLEX success
- Comprehensive predictors helped identify student weakness
- Faculty provided extensive coaching on noted areas of weakness
- Comprehensive predictors not used in high stakes manner
- Integrated predictor and remediation into a course class design

Limitations

- Study was based off of NCLEX test plan from 2013
- New NCLEX test plan April 2016
- Regional university with small sample size
- All BSN prepared graduates