



A Road to Success: On-line Curriculum Change to Improve the NCLEX Pass Rates of Baccalaureate Nursing Students at a Hispanic Serving Institution of Higher Education

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OBJECTIVES

To describe the Instructional methods and outcomes of two online one-hour courses implemented during 3rd and 4th semesters of a 4-semester baccalaureate nursing program.

After 3 years of ATI full-package implementation, a revision was recommended resulting in a path of new Innovative strategies to solidify the bridge from to senior level to better support undergraduate nursing students in achieving success on the National Council Licensure Exam.

CONTEXT

- A Hispanic Serving Institution (HSIs) is defined by Title V of the Higher Education Act as a not-for-profit institution with an undergraduate enrollment of at least 25% of the Hispanic student population. (HACU, 2022).
- UTRGVSON leadership shifted to a shared governance model and implemented data driven curriculum changes after NCLEX-RN dropped to 73% to focus on Student Outcomes.
- Education is one of the most modifiable Social Determinants of Health. HSIs have Social accountability to ensure that social needs are met through research, education, and service.

2017-2021	South Texas - UTRGV				
	USA	Texas	Cameron	Starr	Hidalgo
Race and Hispanic Origin					
Hispanic or Latino	18.90%	40.20%	90.00%	96.30%	92.60%
White alone, not Hispanic	59.30%	40.30%	8.50%	3.30%	5.70%
Black or African American alone	13.60%	13.20%	0.90%	0.50%	1.00%
Asian alone	6.10%	5.50%	0.80%	0.30%	1.10%
Education					
High school graduate or higher	88.90%	84.00%	69.50%	58.80%	67.30%
Bachelor's degree or higher	33.70%	31.50%	19.00%	12.30%	19.50%
Income & Poverty					
Median household income	\$69,021	\$67,321	\$43,057	\$33,334	\$44,666
Persons in poverty	11.60%	14.20%	24.60%	31.60%	28.80%
Families & Living Arrangements					
Persons per household	2.6	2.76	3.21	3.49	3.4
Language other than English	21.70%	35.10%	71.50%	92.30%	82.00%

<https://www.census.gov/data.html>

It is imperative to support the academic success of Hispanic nursing students to increase diversity in nursing and address health equity.



- Review of the ATI Proctored *Fundamentals and Mental Health* Mastery Series Assessments & remediation regardless the score, including retake & remediation done in the prior semester done in their regular courses.
- Practice Assessments: Self-Assessment Inventory & ATI Nurse Logic 2.0 and related ATI RN Targeted Medical Surgical Practice to support Adult Health II course.
- ATI Content Practice A & B + Proctored of five Mastery Series Assessments & remediation regardless the score, include one retake & its remediation. Credit given by the aligned course (Level 2=75%)
Maternity, Child, Nutrition, Pharmacology, Medical-Surgical.
- Student must upload a weekly updated summary of performance.
- **Pass/Fail** grade to complete all assignments – Online course



- ATI Comprehensive Assessment 2019 A & B & remediation
- ATI Capstone 7-week Assignment with ATI Coach
- Self-directed 5-minute group presentation (5-6 students) & peer evaluation for 6 weeks
- Self-reflection paper: strengths & weaknesses, plan of action
- ATI Virtual 6-week modules assignments to 100% VATI Leadership
- 3-day ATI "Live NCLEX Review: (Attendance/Blog daily)
- BSN Readiness Exam (ATI Predictor) & Critical Thinking Exit
- Student must upload a weekly updated summary of performance.
- **Pass/Fail** grade to complete all assignments – Online course
- ATI Policy: Obtain VATI Green Light for Dean to approve for TBON

CURRICULUM CHANGES

2015-2016: NCLEX 78%
 Creation of a UTRGV by merging UTPA & UTB HESI & Kaplan & ATI

2016-2017: NCLEX 73.2%
 No curriculum changes, UTRGV invest financially to UTRGVSON Agreement to ATI complete Partnership Spring 2018

2017-2018: NCLEX 92.5%
 Data driven curriculum changes began
 ATI Team Champion formed
 ATI Remediation specialist

2018-2019: NCLEX 92.7%
 Curriculum changes: taskforce from SONFO curriculum committee
 Recommendations: NCLEX-RN preparation with its own courses

2019-2020 NCLEX 92.9%
 Curriculum adopted by UT system: Pharmacology, NURS 4101 & NURS 4102

2020-2021: NCLEX 94.2%
 COVID-19 pandemic
 Courses already online
 ATI Team coordinator (20%)

DATA

Class 2017 - 135 students	Average	Class 0521 - 68 students	Average
RN Mental Health	n/a	RN Mental Health	76.50%
RN Fundamentals	70%	RN Fundamentals	73.10%
RN Maternal Newborn	71.20%	RN Maternal Newborn	72.30%
RN Nursing Care of Children	67.20%	RN Nursing Care of Children	74.90%
RN Nutrition	68.10%	RN Nutrition	77.90%
RN Pharmacology	68.80%	RN Pharmacology	79.60%
RN Adult Medical Surgical	75.30%	RN Adult Medical Surgical	77.9
RN Capstone Comp A	n/a	RN Capstone Comp A	73.50%
RN Capstone Comp B	n/a	RN Capstone Comp B	77.80%
RN Leadership	73.80%	RN Leadership	83.30%
RN Community	74.70%	RN Community	82.20%
RN Comprehensive Predictor	69.90%	RN Comprehensive Predictor	80.80%

FY	NCLEX-RN score	
	UTRGVSON	Texas
2015	78%	85.22%
2016	73.2%	87.1%
2017	92.5%	89.8%
2018	92.7%	91.6%
2019	92.9%	91.9%
2020	92.9%	91.0%
2021	94.2%	91.0%

REFERENCES

