Supplemental Instruction in an Academic Health Science Center: The *Cornerstone* of a Nursing Student Success Center

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The School of Nursing

Vision

We make lives better by promoting health as an act of social justice.

Mission

We develop nurse leaders to improve health and health care, through education, research, practice, and community engagement.
Institutional Context

**UT Health San Antonio**
**School of Nursing**

- Hispanic-serving Institution that is one of five professional schools
- Majority under-represented enrollment with a BSN population that identifies as 42% Hispanic
- Fall 2017 enrollment was 554 undergraduate and 242 graduate
- Nursing shortage and a shortage of diverse nurses and faculty
- First-time pass rates on NCLEX-RN slipped below 80% for two consecutive years – placed the School on warning with the Texas Board of Nursing
Providing Academic Support

The Student Success Center

- Prior to 2014, support was provided by *Juntos Podemos* – Services were limited and funding was lost
- Focus groups of each cohort were conducted to identify the needs and barriers identified by students
- This study identified five key themes that illuminated the need for enhanced instruction, faculty engagement, and access to study skill resources
A Centralized Student Success Center

- The SON Student Success opened in fall 2014
- Learning Space dedicated for the SSC
- 1 staff member; $0 budget
- Lacking academic support
- BSN Nursing curriculum and Health Science Institution
- Become Learners First – Be inquisitive
ASSESS
Identifying the Problem

• Seek out the barriers to nursing student success
• Data Collected: Student Feedback
• Cohort Focus Groups
• SON Satisfaction Surveys
What are the findings?

Theme 1
Faculty Instruction & In-Course Decisions

Theme 2
Variation among Clinical Experiences

Theme 3
Perceived need for additional resources

Theme 4
Anxiety caused by the nature of the Curriculum

Theme 5
Imbalance between Expectations & Available Time
PLANNING
Narrowly-Tailored Interventions

- Supplemental Instruction (SI)
- Academic Coaching
- Student Success Programs
- Family Engagement Fiesta
- Academic Skills/Financial Literacy Workshops
- Peer Mentoring
- Faculty Support
IMPLEMENT
The Actionable Part

• Faculty Reception of high-risk courses to inform them on SI program
• Analyze & Coordinate nursing schedule
• Select, hire, and train SI Leaders
• Marketing & Promotion
• Budget – seek extramural funding
EVALUATE

Are you meeting objectives?

• Increased learning, course completion, and academic success
• Impact on Licensure Prep Outcomes
• Increased Board Exam (NCLEX-RN) Pass rates
• Met objectives
A NURSING PROCESS (ADPIE)

ASSESS
Gather Information
Review History

EVALUATE
Were Goals and Outcomes Met?

DIAGNOSE
Identify Problems

IMPLEMENT
Put Plan Into Action

PLAN
Develop Goals, Desired Outcomes, Plan of Action

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Collaborative Discussion

1. Individually take time to reflect on your institution, students, and/or SI program
2. Write down preliminary notes for each ADPIE step
3. Discuss with a partner or your table how you could apply ADPIE steps to develop a new SI program, enhance your SI program, or make SI the cornerstone of your learning center.
SON Supplemental Instruction Results

Supplemental Instruction Attendance Trends

- Class Enrollment
- Number Attended
- Percent Attended

- FA2014
- SP2015
- SU2015
- FA2015
- SP2016
- SU2016
- FA2016
- SP2017
- SU2017
- FA2017

Percent Attended:
- FA2014: 42.4%
- SP2015: 51.9%
- SU2015: 61.6%
- FA2015: 47.1%
- SP2016: 66.5%
- SU2016: 78.9%
- FA2016: 77.4%
- SP2017: 72.2%
- SU2017: 91.5%
- FA2017: 70.3%
SON SI Works

Mean Grades for Students Attending Supplemental Session versus Not Attending

Mean Grade SI | Mean Grade non-SI
---|---
FA2014 | 3.09 | 3.20
SP2015 | 3.04 | 3.02
SU2015 | 3.48 | 3.43
FA2015 | 3.01 | 2.86
SP2016 | 2.58 | 2.74
SU2016 | 3.24 | 2.54
FA2016 | 3.15 | 2.79
SP2017 | 2.85 | 2.41
SU2017 | 2.82 | 1.42
FA2017 | 2.91 | 2.73

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Student Feedback on SI

• “The SI Leaders are amazing! They were able to break down material so it is easier to understand. They are always so happy to help and they are open to any questions that relate to the material without making students feel silly for asking.”

• “Each of the SI leaders played an important role in my success in pharm [Pharmacology]. Each of them brought a different way to think about the information. Each of the sessions covered pertinent information in a well-organized fashion.”

• “I would not have passed ATI or earned an A in the class without the help of the SI Leaders. This is vital for the success of nursing students.”

• “I definitely learned a lot in just that short amount of time. Their sessions gave a lot of direction and pointed out important topics that I may have overlooked had I not gone.”
NCLEX-RN Pass Rates

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Thank You