Using Team-Based Learning to Engage Students in Psychiatric-Mental Health Nursing Course

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Teams-Based Learning

• A process where students are provided with guided learning opportunities (such as, readings, videos, blogs, postings, podcast, exercises) prior to class and then do “homework” or problem-based exercises in class with the assist of the instructor.
Team-Based Learning Objectives

• Ensure that students master the course subject matter
• Develop student ability to use course concepts in thinking and problem solving
• Prepare students to be life-long learners
• Develop students’ interpersonal and team interaction skills
• Have students enjoy the course.
1. Form Teams

- Identify key characteristics of students
- Create teams with diverse skills and talents
- Limit teams to 5 to 7 members
2. Accountability

- Individual pre-class preparation
- Contribution to team assignments
- Contribution to team functioning
- Grading system that encourages accountability
3. Assignment Quality (4Ss)

- Effective TBL Activities - Teams work together to make complex, multifaceted decisions
- Significant Problem
- Same Problem
- Specific Choice
- Simultaneous Reporting
4. Timely Feedback

• Readiness Assessment Process (RAP)
  – Individual Readiness Assessment Test (iRAT)
  – Team Readiness Assessment Test (tRAT)
  – Appeals process
  – Instructor Feedback

• Intra-Team Discussion (Peer Evaluation)

• Inter-Team Discussion
TBL Instructional Sequence

Course Module

1. Individual Study
2. Individual Test (iRAT)
3. Team Test (tRAT)
4. Written Appeals (Teams Only)
5. Instructor Input
6. Application Oriented Exercises and Activities
Methods

• Descriptive Evaualtion Study
• Psychiatric-Mental Health Nursing Course
  – 11 Week Classes
  – 4 Modules
    • Therapeutic Communication and Relationship
    • Mood Disorders
    • Psychoses Disorders
    • Disadvantaged Populations
Sample

- Senior Level BSN Students, 2nd to last term
- Control Group (n=43)
  - Traditional Lecture Model
- Intervention Group (n=45)
  - Team-Based Learning Model
Evaluation Method

- Standardized Multiple Choice Exam
  - 70-Question with 4 choices
- Assessment Technologies Institute® (ATI)
  - RN Mental Health 2010 Form B
- Team-Based Learning Student Assessment Instrument (TBL-SAII) – Mennenga, 2010
  - 33 Questions/5 Point Likert Scale
  - 3 Subscales – Accountability, Preference and Satisfaction
## t-Test for Standardized Testing

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Control (Mean, SE)</th>
<th>Intervention (Mean, SE)</th>
<th>t-test Value Significance</th>
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<td>Accountability</td>
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<td>Satisfaction</td>
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Implications

- Similar Learning Outcomes
- Higher levels of accountability and satisfaction with TBL vs. Traditional

- Meets the call from IOM (2011) The Future of Nursing for Nursing Education to provide effective education methods to meet the needs of future nurses.