**Program Assessment Data Report**

**Program:\_Polysomnographic Technology\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Terms Data Collected: Fall 2021-Fall 2022**

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| Program-Level Learning Outcome- (From Assessment Plan) | Assessment Measure(s) and Where Implemented in Curriculum – (From Assessment Plan) | Targets- Level of Success Expected-(From Assessment Plan) | Assessment Results – (Provide Data in a form related to targeted levels of success to left. Indicate if Targeted level of success was met, partially met, or not met.) |
| PLO #1: Given the physician’s orders for the sleep study, the student will be able to conduct all pre-study, study, and post-study procedures with 100% accuracy. | Clinical capstone evaluation competency exercises performed in PSGT 2361 – AAS Clinical III-Polysomnography will assess the accuracy of pre-study, study, and post-study procedures required by physician’s orders. | 80% of students achieve 100% accuracy on all clinical capstone competency exercises. | PSGT 2361 was offered in Spring 2022. One out of eight students (12.5%) achieved a perfect 100% on the clinical capstone competency exercises. The targeted level of success was not met. We revised the target in our 2023 CIP to a more realistic benchmark that still shows student competency in this area (80% of students achieve an overall score of 97% or higher on all clinical capstone competency exercises). |
| PLO #2: Given a patient’s sleep study data, the student will be able to assess the patient need for treatment and intervention of the sleep disorder, perform PAP titrations and oxygen administration when needed, and troubleshoot during sleep studies. | Scenario-based questions on the Registered Polysomnographic Technologist (RPSGT) practice exam administered in PSGT 2272 - Polysomnography Exam Preparation (Capstone) will assess the student’s ability to critically think through:   1. treatment and intervention needs, 2. performance of PAP titrations and oxygen administration, and 3. troubleshooting during sleep studies. | 100% of students score 75% or better on the RPSGT practice exam questions related to treatment and intervention needs, performance of PAP titrations and oxygen administration, and troubleshooting during sleep studies. | PSGT 2272 was offered in Spring 2022. Eight out of eight students (100%) scored 75% or better on the RPSGT practice exam questions related to treatment and intervention needs, performance of PAP titrations and oxygen administration, and troubleshooting during sleep studies. The targeted level of success was met. |
| PLO #3: The student will be able to analyze and critically score sleep study data that may be utilized by a licensed sleep medicine physician in the diagnosis and treatment of sleep disorders. | Learning assignments to score American Academy of Sleep Medicine (AASM) Interscorer Reliability (ISR) studies administered in PSGT 2205 – Sleep Scoring and Staging. ISR studies are the sleep medicine industry’s standard of evaluating sleep technologists’ assessment of sleep study data. | 100% of students score an average of 85% or better on ISR studies. | PSGT 2205 was offered in Fall 2021 and Fall 2022.  For Fall 2021, eight out of nine students (88.8%) achieved an average of 85% or better on ISR studies. The targeted level of success was not met for this cohort.  For Fall 2022, seven out of seven students (100%) achieved an average of 85% or better on ISR studies. The targeted level of success was met for this cohort. |
| PLO #4: The student will be able to communicate effectively and professionally with peers, managers, patients, physicians, and other stakeholders and collaborate with these stakeholders to facilitate sleep disorder diagnosis and treatment for patients. | Assignment in PSGT 2250 – Infant and Pediatric Polysomnography in which students will be required to research a pediatric sleep disorder and prepare and deliver a 30-minute oral presentation on the disorder to their peers and instructor.  Students will pull together a PowerPoint presentation that will include the following:  a. Overview of the sleep disorder  i. Essential features  ii. Associated features  iii. Demographics in children  iv. Predisposing and Precipitating Factors  v. Familial patterns  vi. Onset, Course and Complications  vii. Developmental issues  viii. Pathology and Pathophysiology  ix. Objective findings  x. Treatments  b. One case study  i. Background of the patient  ii. Medical history  iii. Family history  iv. Polysomnographic findings  v. Diagnosis  vi. Treatment  vii. Include a video of the case or an example of  the sleep disorder. Videos can be no longer than  15 minutes.  The instructor and peers have the opportunity to ask the student questions following the presentation, and the presentation rubric evaluates students on content, visuals and delivery, and ability to answer instructor and peer questions. | 100% of students score 80% or better on peer presentation. | PSGT 2250 was offered in Spring 2022. Eight out of eight students (100%) scored 80% or better on the peer presentation. The targeted level of success was met. |
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