

Sleep as an Occupation in College Students

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DISCUSSION

AND

IMPLICATIONS

Results support existing evidence suggesting college students are sleep

Over ½ of participants reported sleep issues that could be addressed by

Focus on key finding, which suggests that over ½ of undergraduate

what is affecting their sleep quality and quantity and how it varies

Focus on specific student categories, ex: students with disabilities

OTs can help improve the performance of sleep as an occupation.

modifications, client education, and promotion of good sleeping habits.

Create sleep promotion programs targeting young adults to address

Interventions to improve sleep quality through environmental

Conduct further studies with college students to determine specifically

students have poor sleep quality and/or quantity.

SUGGESTIONS FOR OCCUPATIONAL THERAPY

their unique biological and physical needs.

DISCUSSION

deprived.

across time.

an occupational therapist.

SUGGESTIONS FOR FUTURE RESEARCH

INTRODUCTION

- The average person spends 1/3 of his or her life sleeping (Curico et al., 2006).
- College students have poor quality and quantity of sleep resulting in Ψ performance in student related occupations, and academic performance.
- Minimal evidence examines the relationship between self-efficacy, sleep, and occupational performance in college students.
- OTs can develop interventions to improve sleep problems by modifying the environment and performance patterns of college students.

STATEMENT OF **PURPOSE**

- Measure sleep quality and patterns of sleep in undergraduate college students
- 2. Explore the relationship between sleep, academic self-efficacy and student characteristics
 - First-generation college students
 - Students with disabilities
 - Student athletes

Review of Literature

SLEEP AS AN OCCUPATION

- Sleep is vital for all human life.
- psychological, cogntive impairments and even premature death (Curico, et al., 2006).

SLEEP DISORDERS

- Common sleep disorders include insomnia, sleep apnea and narcolepsy (Buck, 2013).
- Narcolepsy affects 16% of college students (Gaultney, 2010).

COLLEGE STUDENTS

- University students often have trouble falling asleep and staying asleep for 7-10 hours a night (CDC, 2013).
- Athletes, first generation students & students with disabilities were shown to have a higher risk of experiencing sleep disturbances.

SLEEP AND OCCUPATIONAL THERAPY

- Rest and sleep are categorized as occupations in the Occupational Therapy Practice Framework (AOTA, 2014).
- Sleep is the only occupation that cannot be performed by another person (Pedretti, 2010).
- OTs implement interventions to address sleep insufficiency and sleep disorders (Leland et al., 2014).

METHODOLOGY

DESIGN

- Quantitative, exploratory, descriptive, and correlational.
- Used PSQI and original questionnaire.
- Areas measured: sleep duration, sleep disturbances, sleep latency, sleep medication, day dysfunctions, sleep efficiency, demographic information, self-efficacy.

PARTICIPANTS

asleep each night?

college courses.

- Undergraduate college students
- 18 25yo, no diagnosed sleep disorders

Sample Survey Questions

2. During the past month, how long (in minutes) has it usually taken you to fall

3. During the past month, what time have you usually gotten up in the morning?

4. During the past month, how many hours of actual sleep did you get at night?

7. During the past month, how often have you had trouble staying awake while

8. During the past month, how much of a problem has it been for you to keep up

11. I have academic goals that I believe I will accomplish while I am in college.

13. I believe I will be able to earn the grades I desire in the remainder of my

6. During the past month, how often have you taken medicine (prescribed or

5. During the past month, how would you rate your sleep overall?

driving, eating meals, or engaging in social activity?

10. Do you have any of the listed medical conditions/diagnosis

12. I believe that I have the ability to complete my Bachelor's Degree.

enough enthusiasm to get things done?

9. Do you have a bed partner or roommate?

1. During the past month, what time have you usually gone to bed at night?

- 15 min survey on Survey Monkey
- Quantitative Data: Statistical Package Social correlation coefficient
- sleep disturbances

Sleep Quality of College Students

Good Sleep Quality

135

Poor Sleep Quality

Participant Demographic Data N = 209 % **Participant** Gender, n Female Majors, n Health and Natural Sciences 163 78 First-generation students, *n* 79 38 Students with a disability, n 51 24 DUC Athletes, n

RECRUITMENT and DATA COLLECTION

- Flyers, emails, & face-to-face strategies

DATA ANALYSIS

- Sciences Version 22.0 (SPSS V22.0) Pearson's r
- Qualitative Data: Open ended questions regarding

LIMITATIONS

Responses based on self-report, weak correlations possibly due to small sub-category sample sizes.

RESULTS

QUANTITATIVE DATA

- 1. PSQI scores: 135 (64.6%) participants reported poor sleep quality and 74 (35.4%) participants reported good sleep quality.
- 2. Weak positive correlation (r = .33)between PSQI scores and disability; sleep duration and GPA.
- 3. Average number of sleep hours reported by participants is 6.68 hours.
- 4. No significant correlations between PSQI scores, participant demographics or self-efficacy responses.

QUALITATIVE DATA

- Environmental factors such as lighting, temperature, and noise affect quality of sleep.
- 2. Sleep behaviors: sleep talking, snoring, tossing and turning, and coughing.
- 3. Impact of partners and roommates: noise, movement, and snoring.

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