

Original Research Article

Perceptions On Caffeine, Smoking, And Insomnia Among Nursing Students in A Private Institution In Manila

ABSTRACT

Background:

Nursing student plays significant role in society in the delivery of optimum level of health. To serve their patient, they to acquire knowledge and skills in rendering patient care. Due to heavy load in nursing most college students consume caffeine to start their day since it stimulates their bodies to be more alert and focused in their daily tasks. Hence other use smoking even they are aware of its negative effect to their health. In addition, insomnia is one of major problem which involve 10 million adults suffer from it.

Purpose: The study aim to measure the perceptions of nursing students in private institutions in Manila on caffeine, smoking, and insomnia. The researchers tackled the perceptions of nursing students about caffeine, smoking, and insomnia and found out that the students were aware about the harmful effects of caffeine and smoking.

Methods: A validated questionnaire focusing on caffeine, smoking, and insomnia was administered to 265 nursing students in one College in Manila. A descriptive design utilized in this study and survey questionnaire has been administered.

Results: The results show there are 216 female respondents who participated to the survey, or 81.51%, making up most of the respondents. In terms of age which 19-20 got the highest percentage which is 56.23 %, while age 17-18 get only 9.81%. In terms of their knowledge in effects of caffeine consumption responses showed that 139 (52.45%) and 143 (53.96%) of the respondents strongly agree gathering a mean of 4.408.

Conclusion: Based on the results, it highlights Perception of caffeine, smoking and insomnia among nursing students and its impact in promoting awareness. Caffeine consumption rates is significantly high among nursing students as means of stimulant; the study reinforce the importance of having limit in the consumption of caffeine intake. Furthermore, the prevalence of smoking among nursing student was reinforce through seminar and trainings pertaining to control and prevention of smoking. Lastly, insomnia is one of that challenges that student experiencing, this led to poor memory retention and affection cognitive aspect.

Keywords: *Caffeine, insomnia, nursing student, smoking*

1.0 Introduction

Nursing student plays significant role in society in the delivery of optimum level of health. To serve their patient, they to acquire knowledge and skills in rendering patient care. Due to workload in nursing program student finds remedy that will enhance psychoactive and cognitive-improving substance such as caffeine. This substance is known for its cognitive and physical enhancing effects which is the common reason for students' caffeine consumption (Kharaba et al., 2022). Caffeine is an organic compound that can affect the human body in many possible ways, (Godsen (2022) 92% of college students drink caffeine regularly according to the study of Mahoney et al. in 2019. Consumption

of caffeine stimulates their bodies to be more alert and focused on their daily tasks. Caffeine has many positive effects like being alert and focused. On the contrary, too much consumption will result in harmful effects such as being jittery and nervous (Godsen A., 2022). Other stimulating agents are cigarettes to keep them working. Students are aware of its harmful effects but still they use it as evidence on the research study conducted there are 479 who have tried smoking cigarettes, while 23 are currently smoking which shows that majority is not in favor of the consumption of tobacco due to its harmful effect. Student nurses must be a great role model in the society there are 95.2% of students, respectively, thought that health practitioners should be role models for patients and should obtain specialized training in cessation methods. Therefore, medical students were aware of the harmful effects of smoking and advocated not to commercialize it. (Boopathirajan, R. & Muthunayanan, L., 2017).

Insomnia is one of the major problems which involve 10 million adults suffer in the Philippines according to extrapolated statistics of Health Grades Inc. (National Heart, Lung, and Blood Institute, 2022). One typical sleep concern is insomnia which is known as difficulty falling asleep. It occurs even if a person has the ideal circumstances thus hindered in everyday work. There are many reasons why people suffer from insomnia which is due to stress and adjustments to the routine or environment. This is called short-term insomnia. This could last a couple of days or several weeks on the other hand when it lasts longer than three months or more it is considered chronic (long-term) insomnia. In the study of Bhaskar, Hemavathy, and Prasad (2016), numerous studies around the world have revealed that 10%–30% of people are affected by insomnia, with some estimates reaching 50%–60%. It frequently affects older adults, women, and people with mental and physical conditions. Moreover, the prevalence of insomnia among university students in South Asian countries was explored in a systemic analysis of seven studies that revealed significantly higher prevalence, ranging from 35.4% to 70%. (Chowdhury et al., 2021). A considerably higher prevalence of insomnia among university students in the South Asia region was reported in Pakistan (Nadeem et al., 2018; Surani et al., 2015), Nepal (Bhandari et al., 2017), India (Ghrouz et al., 2019; Patil et al., 2019; Kumar et al., 2016), and Bangladesh (Jahan et al., 2019). Whereas, the Philippines, according to extrapolated statistics from Health Grades Inc. in 2014, is estimated to have one of the highest rates of sleep deprivation in the world, with more than 10 million adults suffering from insomnia reaching 50%–60%. It frequently affects older adults, women, and people with mental and physical conditions.

This study aimed to determine the perceptions on caffeine, smoking, and insomnia among nursing students in a private institution. The researchers tackled the perceptions of nursing students about caffeine, smoking, and insomnia. This study is beneficial to promote awareness in smoking cessation in promotion of health and wellness in the community. Through this study it helps to portray nursing profession as an advocate of health and part of it is to promote self-care not only to the patient but start with in thyself.

2.0 Methods

2.1. Research Design

This study used a descriptive research design through utilization of surveyed questionnaire. Descriptive study is used to describe the characteristics of a sample population in terms of demographic profile of the respondents like their age and sex. The researchers sought to analyze the perceptions of the nursing students on caffeine, smoking, and insomnia.

2.2. Population/Sample and Sampling Technique

The researchers obtained 265 samples from the institution by employing stratified sampling technique. Since the researchers' respondents were nursing students consisting of different year level; by using stratified sampling technique, the researchers got an equal sample size by getting the thirty percent (30 %) of the total population from each year level. The target respondents are the nursing students from a private institution and the sample size are nursing students). First-year to fourth-year nursing students are currently enrolled in the academic year 2022 - 2023 were included. The researchers chose nursing students as respondents to focus on students who are in the medical field because it is seldom to come across researches and/or journals that tackles sleep disturbances that is specific to student nurses. The inclusion criteria for the respondents were the following: 1) must be a student and 2) enrolled in Bachelor of Science in Nursing Meanwhile, the exclusion criteria are: 1) not a student and 2) not enrolled and not a nursing student. The researchers distributed copies of ethically approved informed consent and validated questionnaire to students within the inclusion criteria, all of which were completed and submitted for analysis.

2.3. Research Instrument

The survey questionnaire formulated by the researchers was used as a research instrument. The researcher opted to use the 5 point - Likert scale (5 = Strongly Agree, 4 = Agree, 3 = Neutral, 2 = Disagree, 1 = Strongly Disagree) in answering the questions. There are two (2) parts in the questionnaire. The first part is the profile of respondents which consists of age, sex, perceptions on caffeine and smoking. The perceptions on caffeine consists of twenty(20) questions and the perceptions on smoking consists of nineteen (19) questions. Overall, the questions for the profile of respondents are forty-one (41) including their age and sex. The second part of the questionnaire consists of questions that measured the perceptions on insomnia among nursing students which also comprises twenty (20) question.

On the twenty (20) related literature in this review, a total of "50,765" samples, 19837 records, 15 studies, and 10 articles consisting of 2841 who considered oral rehydration solutions and zinc, 826 samples considered handwash, 46423 samples considered Sanitation, hygiene and Water, and the rest considered Water filters in Prevention and Control of Diarrheal Diseases. Reported methods or procedures included oral hydration and zinc therapy, handwashing facility (EHF), sanitation, hand hygiene, wash, water filters, etc. All studies have range of three to five years for follow up. Study characteristics were summarized (Table 1). Average age of the study population were children under five years and middle aged with few senior participants.

3.0 Result and Discussion

This chapter presents the data gathered from the survey questionnaire conducted by the researchers on the 265 college students under a nursing program. The respondents were given the assurance that all of the data accumulated from them are only for research purposes and that the identities of the respondents will be confidential.

Table1. Age of the Respondents

| AGE | FREQUENCY | RELATIVE FREQUENCY |
|---------------|------------|--------------------|
| 17 -18 | 26 | 9.81% |
| 19 -20 | 149 | 56.23% |

| | | |
|---------------------|------------|----------------|
| 21 yearsoldandabove | 90 | 33.96% |
| Total | 265 | 100.00% |

The researchers based the age categories that ranged in 1s because the target audience (nursing students) ages from 17 and above depending on when the student starts going to school. The researchers opted to include the '21 and above' because there are some instances where the student is a second courser or stayed in the college year level than the usual. In terms of ranging the age, the target audience is not large enough to apply the usual 5s and 10s range, hence, the researchers apply 1s only to range the ages of the respondents. Furthermore, the researchers opted to use this method because they want to know the perspectives of their target audience after turning 18 and after entering their 20s. As shown in Table 1, the age group 19 to 20 years old got the most responses out of the three age groups, resulting in 56.23% or 149 of the total respondents, followed by the age group 21 and above, which received 33.96% or 90 responses. Lastly, there were just 26 people in the 17 to 18 age bracket, completing up the remaining 9.81%. The average age of first and second-year students ranges from 17 to 20 years old, which explains why the majority of respondents fall within those age categories as well.

Table 2. Sex of the Respondents

| AGE | FREQUENCY | RELATIVE FREQUENCY |
|---------------|------------|--------------------|
| Male | 49 | 18.49% |
| Female | 216 | 81.51% |
| Total | 265 | 100.00% |

As shown in Table 2, there are 216 female respondents to the survey, or 81.51%, making up the majority of the respondents. On the other hand, only 49 out of 265 respondents or 18.49%, answered the survey. Considering most of the nursing students who enrolled in the School of Nursing (SON) at EAC-M could be the affecting factor of the higher rate of female than male respondents. According to the list given by the Academic Coordinator of the School of Nursing, there are only 76 males (18.10%) and 344 females (81.90%) from different year levels respectively.

Table3.PerceptionsonCaffeine Intake

| Descriptive Statement | SA | A | N | D | SD | Weighted Mean | Interpretation |
|-----------------------|----|---|---|---|----|---------------|----------------|
|-----------------------|----|---|---|---|----|---------------|----------------|

| | | | | | | | |
|--|-----------------|----------------|----------------|---------------|----------------|-------|----------|
| 1. I consume coffee, tea, or other caffeinated beverages regularly. | 95 (35.85%) | 70 (26.42%) | 55 (20.75%) | 19 (7.17%) | 26 (9.81%) | 3.713 | Agree |
| 2. I consume chocolate or other caffeine-containing foods regularly. | 67 (25.28%) | 79 (29.81%) | 82 (30.94%) | 23 (8.68%) | 14 (5.28%) | 3.615 | Agree |
| 3. I sometimes use caffeine containing supplements or medications (e.g. energy drinks) | 26 (9.81%) | 44 (16.60%) | 51 (19.25%) | 64 (24.1%) | 80 (30.19%) | 2.517 | Disagree |
| 4. I am able to function normally without consuming caffeine. | 108 (40.75%) | 71 (26.79%) | 54 (20.38%) | 20 (7.55%) | 12 (4.53%) | 3.917 | Agree |

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|--|-----------------|-----------------|----------------|----------------|----------------|-------|----------------|
| 5. I avoid consuming caffeine after a certain time of day to prevent sleep problems. | 81 (30.57%) | 76 (28.68%) | 54 (20.38%) | 30 (11.32%) | 24 (9.06%) | 3.604 | Agree |
| 6. I am knowledgeable about the potential health effects of caffeine consumption. | 139 (52.45%) | 100 (37.74%) | 22 (8.30%) | 3 (1.13%) | 1 (0.38%) | 4.408 | Strongly Agree |
| 7. I have experienced negative side effects (such as extreme nervousness or anxiety) after consuming caffeine. | 64 (24.15%) | 79 (29.81%) | 55 (20.75%) | 31 (11.70%) | 36 (13.58%) | 3.392 | Neutral |
| 8. I have tried to quit or reduce my caffeine intake in the past. | 61 (23.02%) | 78 (29.43%) | 67 (25.28%) | 29 (10.94%) | 30 (11.32%) | 3.419 | Agree |

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|---|-----------------|----------------|-------------|----------------|----------------|-------|----------|
| 9. I am generally comfortable with the amount of caffeine I consume on a daily basis. | 111 (41.89%) | 87 (32.83%) | 55 (20.75%) | 4 (1.51%) | 8 (3.02%) | 4.091 | Agree |
| 10. I would be willing to reduce or eliminate my caffeine consumption if a health professional advised me to do so. | 115 (43.40%) | 90 (33.96%) | 47 (17.74%) | 8 (3.02%) | 5 (1.89%) | 4.140 | Agree |
| 11. I consume coffee regularly. | 74 (27.92%) | 56 (21.13%) | 57 (21.52%) | 31 (11.70%) | 47 (17.74%) | 3.298 | Neutral |
| 12. I consume tea regularly. | 17 (6.42%) | 37 (13.96%) | 67 (25.28%) | 67 (25.28%) | 77 (29.06%) | 2.434 | Disagree |

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|---|-------------|-------------|-------------|-------------|-------------|-------|----------|
| 13. I consume energy drinks regularly. | 11 (4.15%) | 26 (9.81%) | 69 (26.04%) | 67 (25.28%) | 92 (34.72%) | 2.543 | Disagree |
| 14. I consume instant coffee regularly. | 50 (18.87%) | 49 (18.49%) | 60 (22.64%) | 46 (17.36%) | 60 (22.64%) | 2.936 | Neutral |
| 15. I consume Cola every day. | 20 (7.55%) | 48 (18.11%) | 68 (25.66%) | 58 (21.89%) | 71 (26.79%) | 2.577 | Disagree |
| 16. I consume chocolate or other caffeine-containing foods regularly. | 44 (16.60%) | 82 (30.94%) | 79 (29.81%) | 33 (12.45%) | 27 (10.19%) | 3.313 | Neutral |

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|--|---------------|--------------|--------------|-------------|--------------|-------|----------------|
| 17. I consume more than one caffeinated beverage or food item per day. | 38 (14.34 %) | 54 (20.38 %) | 72 (27.17 %) | 53 (20 %) | 48 (18.11 %) | 2.928 | Neutral |
| 18. I consume caffeine to help me stay awake during long study sessions or clinical shifts. | 89 (33.58 %) | 70 (26.42 %) | 45 (16.98 %) | 26 (9.81 %) | 35 (13.21 %) | 3.574 | Agree |
| 19. I am knowledgeable about the risk of too much caffeine consumption. | 143 (53.96 %) | 94 (35.47 %) | 22 (8.30 %) | 5 (1.89 %) | 1 (0.38 %) | 4.408 | Strongly Agree |
| 20. I am aware of the recommended daily limit for caffeine intake (400mg/day for most adults). | 97 (36.60 %) | 83 (31.32 %) | 59 (22.26 %) | 20 (7.5 %) | 6 (2.26 %) | 3.925 | Agree |
| <i>Grand Mean</i> | | | | | | 3.438 | Agree |
| <p><i>Legend: Strongly Agree (4.20-5.00); Agree (3.40-4.14); Neutral (2.60-3.39); Disagree (1.80-2.59); Strongly Disagree (1.00 -1.79)</i></p> | | | | | | | |

As illustrated in Table 3, the researchers gathered data of 214 (80.75%) on the descriptive statement “*I believe that smoking is harmful and should be avoided*” and has a weighted mean of 4.664. Just like in caffeine consumption, nursing students have a strong agreement of their awareness on the harmful effects of smoking and it should be avoided as it will cause health issues to them. It is obvious that they were aware of the consequences of the lifestyle on the health of a person. Moreover, it encompasses the next statement that garnered 217 (81.89 %) of the responses which strongly agree to the statement “*I am aware of the health risks associated with smoking and tobacco use*” and 183 (69.06 %) responses which strongly agreeing in the statement “*I am aware of the long-term health consequences of smoking or using tobacco products*”, such as lung cancer and heart disease, where in it accumulated a mean of 4.653 and 4.234, respectively. It indicates that nursing students are aware of the health risk and health consequences associated with smoking and tobacco use since they are studying these topics as part of their curriculum. Meanwhile, the descriptive statement “*I smoke cigarettes or use other tobacco products on a daily basis*” gathered 197 (74.34%) responses and a lowest mean of 1.415, which indicates strongly disagreement in the statement. It shows that the respondents do not smoke cigarettes on a daily basis, being in the medical field course could be the factor to this result as they were aware of the possible health risks and consequences of smoking.

Table 4. Perception on Smoking

| Descriptive Statement | SA | A | N | D | SD | Weighted Mean | Interpretation |
|--|--------------|---------------|---------------|----------------|-----------------|---------------|-------------------|
| 1. I currently smoke cigarettes or use other tobacco products. | 6 (2.26%) | 11 (4.15%) | 18 (6.79%) | 38 (13.34%) | 192 (72.45%) | 1.494 | Strongly Disagree |

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|---|------------------|---------------|---------------|----------------|-----------------|-------|-------------------|
| 2. I have smoked cigarettes or used other tobacco products in the past but have quit. | 9 (3.40%) | 24 (9.06%) | 21 (7.92%) | 29 (10.94%) | 182 (68.68%) | 1.713 | Strongly Disagree |
| 3. I have never smoked cigarettes or used other tobacco products. | 157(59.25 %) | 12 (4.53%) | 14 (5.28%) | 33 (12.45%) | 49 (18.49%) | 3.736 | Agree |
| 4. I am aware of the health risks associated with smoking and tobacco use. | 217 (81.89 %) | 25 (9.43%) | 8(3.02 %) | 9 (3.40 %) | 6(2.26 %) | 4.653 | Strongly Agree |
| 5. I feel confident in my ability to resist peer pressure to start smoking or using tobacco products. | 152 (57.36 %) | 32 (12.08 %) | 30 (11.32 %) | 28 (10.57 %) | 33 (12.45%) | 3.951 | Agree |

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|--|-----------------|---------------|---------------|----------------|-----------------|-------|-------------------|
| 6. I am aware of resources available to help me quit smoking or using tobacco products if I wanted to. | 120 (45.28%) | 54 (20.38%) | 40 (15.09%) | 19(7.17%) | 32 (12.08%) | 3.796 | Agree |
| 7. I believe that smoking is harmful and should be avoided. | 214 (80.75%) | 30 (11.32%) | 9 (3.40%) | 7 (2.64%) | 5 (1.89%) | 4.664 | Strongly Agree |
| 8. I currently smoke cigarettes or use other tobacco products. | 10 (3.77%) | 12 (4.53%) | 17 (6.42%) | 39 (14.72%) | 187 (70.57%) | 1.562 | Strongly Disagree |

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|--|---------------|-------------|-------------|--------------|---------------|-------|-------------------|
| 9. I smoke cigarettes or use other tobacco products on a daily basis. | 6 (2.26 %) | 5 (1.87 %) | 14 (5.28%) | 43 (16.23%) | 197 (74.34%) | 1.415 | Strongly Disagree |
| 10. I smoke cigarettes or use other tobacco products several times a week. | 8 (3.02 %) | 3 (1.13 %) | 15 (5.66%) | 44 (16.60%) | 195 (73.58%) | 1.434 | Strongly Disagree |
| occasionally (less than once a week). | | | 16 (6.04%) | 41 (15.47%) | 187 (70.57 %) | 1.543 | Strongly Disagree |
| 12. I have not smoked cigarettes or used other tobacco products in the past 30 days. | 149 (56.23 %) | 21 (7.92 %) | 14 (5.28 %) | 28 (10.57 %) | 53 (20 %) | 3.698 | Agree |

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|--|------------|------------|-------------|-------------|--------------|-------|-------------------|
| 13. I typically smoke more when I am under stress or feeling anxious. | 14 (5.28%) | 18 (6.79%) | 12 (4.53%) | 38 (14.34%) | 183 (69.06%) | 1.649 | Strongly Disagree |
| 14. I have tried to quit smoking or using tobacco products in the past but have been unsuccessful. | 13 (4.91%) | 10 (3.77%) | 36 (13.58%) | 33 (12.45%) | 173 (65.28%) | 1.706 | Strongly Disagree |
| 15. I have quit smoking or using tobacco products in the past but have relapsed. | 14 (5.28%) | 15 (5.66%) | 36 (13.58%) | 33 (12.45%) | 167 (63.02%) | 1.777 | Strongly Disagree |

| | | | | | | | |
|---|------------|------------|-------------|--------------|---------------|-------|-------------------|
| 16. I have developed a persistent cough or other respiratory symptoms due to smoking or using tobacco products. | 4(1.51%) | 4(1.51%) | 22 (8.30%) | 42 (15.85 %) | 193 (72.83 %) | 1.430 | Strongly Disagree |
| 17. I have experienced dental problems or oral health issues due to smoking or using tobacco products. | 3 (1.13 %) | 4 (1.51 %) | 19 (7.17 %) | 44 (16.60 %) | 195 (73.58 %) | 1.400 | Strongly Disagree |
| 18. I have noticed a decrease in my sense of taste or smell due to smoking or using tobacco products. | 7(2.64%) | 2 (0.75 %) | 21 (7.92 %) | 41 (15.47 %) | 194 (73.21 %) | 1.442 | Strongly Disagree |

| | | | | | | | |
|--|-----------------|----------------|-----------|-----------|----------------|-------|----------------|
| 19. I am aware of the long-term health consequences of smoking or using tobacco products, such as lung cancer and heart disease. | 183 (69.06%) | 31 (11.70%) | 9 (3.40%) | 14(5.28%) | 28 (10.57%) | 4.234 | Strongly Agree |
| <i>Grand Mean</i> | | | | | | 2.365 | Disagree |
| <i>Legend: Strongly Agree(4.20-5.00); Agree(3.40-4.14); Neutral(2.60-3.39); Disagree(1.80 -2.59); Strongly Disagree(1.00 - 1.79)</i> | | | | | | | |

As illustrated in Table 4, the researchers gathered data of 214 (80.75%) on the descriptive statement “*I believe that smoking is harmful and should be avoided*” and has a weighted mean of 4.664. Just like in caffeine consumption, nursing students have a strong agreement of their awareness on the harmful effects of smoking and it should be avoided as it will cause health issues to them. It is obvious that they were aware of the consequences of the lifestyle on the health of a person.

Table 5. Perception on Insomnia

| Descriptive Statement | S | A | N | D | SD | Weighted Mean | Interpretation |
|--|----------|----------|----------|----------|-----------|----------------------|-----------------------|
| <i>Please rate the CURRENT (i.e. LAST 2 WEEKS) SEVERITY of your insomnia problem(s).</i> | | | | | | | |

| | | | | | | | |
|---|-------------------|-----------------|-----------------|-----------------|--------------|-------|---------|
| 1. I have trouble falling asleep at night. | 66 4. 91 %) | 87 (32.83 %) | 67 (25.28 %) | 27 (10.19 %) | 18(6.79 %) | 3.589 | Agree |
| 2. I have Difficulty staying asleep | 42 (15.85%) | 67 (25.28 %) | 74 (27.92 %) | 49 (18.49 %) | 33(12.45 %) | 3.136 | Neutral |
| 3. I have Problems wakinguptoo early | 76 (28.68%) | 57 (21.51 %) | 67 (25.28 %) | 37 (13.96 %) | 28 (10.57 %) | 3.438 | Agree |
| 4.Iwakeup frequently duringthe nightandhave difficulty fallingback asleep. | 45(16.98%) | 43 (16.23 %) | 81 (30.57 %) | 55 (20.75 %) | 41 (15.47 %) | 2.985 | Neutral |
| 5. I wake up feeling tired and unrested, evenafterafull night's sleep. | 83(31.32%) | 83 (31.32 %) | 57 (21.51 %) | 26 (9.81 %) | 16(6.04 %) | 3.721 | Agree |
| 6. I feel irritable or moody due to lack of sleep. | 99 (37.36 %) | 74 (27.94 %) | 54 (20.38 %) | 25 (9.43 %) | 13 (4.91 %) | 3.834 | Agree |
| 7.Ihave trouble concentratingorstaying focused during the day due to lack of sleep. | 94 (35.47 %) | 91 (34.34 %) | 62 (23.40 %) | 11 (4.15 %) | 7 (2.64 %) | 3.958 | Agree |

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|--|---------------|--------------|--------------|--------------|---------------|-------|----------|
| 8. I rely on sleep aids or medication to help me fall asleep. | 15(5.66 %) | 22 (8.30 %) | 45 (16.98 %) | 49 (18.49 %) | 134 (50.57 %) | 2.000 | Disagree |
| 9. I have difficulty falling asleep or staying asleep due to stress or anxiety. | 67 (25.28 %) | 75 (28.30 %) | 69 (26.04 %) | 23 (8.68 %) | 31 (11.70 %) | 3.468 | Agree |
| 10. I engage in activities such as using electronic devices or watching TV in bed that interfere with my ability to fall asleep. | 100 (37.74 %) | 85 (32.08 %) | 46 (17.36 %) | 16 (6.04 %) | 18 (6.79 %) | 3.879 | Agree |
| 11. I have experienced negative impacts on my academic or work performance due to lack of sleep. | 80 (30.19 %) | 82 (30.94 %) | 63 (23.77 %) | 20 (7.55 %) | 20 (7.55 %) | 3.687 | Agree |
| 12. I have spoken to a healthcare provider about my sleep difficulties and received treatment or recommendations | 20 (7.55 %) | 17 (6.42 %) | 40 (15.09 %) | 66 (24.91 %) | 122 (46.04 %) | 2.045 | Disagree |

| | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|-------|---------|
| for improving my sleep. | | | | | | | |
| 13. My sleep difficulties have lasted for more than a month. | 58 (21.89 %) | 50 (18.87 %) | 63 (23.77 %) | 44 (16.60 %) | 50 (18.87 %) | 3.083 | Neutral |
| 14. I have tried multiple strategies to improve my sleep, but have not found significant relief. | 75 (28.30 %) | 64 (24.15 %) | 69 (26.04 %) | 27 (10.19 %) | 30 (11.32 %) | 3.479 | Agree |
| 15. My sleep difficulties have had a significant negative impact on my daily functioning, such as academic or work performance, social relationships, or physical health. | 68 (25.66 %) | 67 (25.28 %) | 76 (28.68 %) | 34 (12.83 %) | 20 (7.55 %) | 3.487 | Agree |
| 16. I experience intense anxiety related to my sleep difficulties. | 62 (23.40 %) | 56 (21.13 %) | 73 (27.55 %) | 37 (13.96 %) | 37 (13.96 %) | 3.260 | Neutral |
| 17. My sleep difficulties are affecting my ability to enjoy life and engage in activities I used to enjoy. | 53 (20 %) | 58 (21.89 %) | 82 (30.94 %) | 36 (13.58 %) | 36 (13.58 %) | 3.211 | Neutral |

| | | | | | | | |
|---|--------------|--------------|--------------|--------------|---------------|-------|----------|
| 18. My sleep difficulties are causing me to experience symptoms such as depression, irritability, or mood swings. | 53 (20 %) | 71 (26.79 %) | 75 (28.30 %) | 31 (11.70 %) | 35 (13.21 %) | 3.287 | Neutral |
| 19. I have trouble concentrating or staying focused during class discussions due to a lack of sleep. | 69 (26.04 %) | 77 (29.06 %) | 75 (25.30 %) | 29 (10.94 %) | 15 (5.67 %) | 3.589 | Agree |
| 20. I have received treatment or recommendations for improving my sleep with the help of health care provider | 18 (6.79 %) | 17 (6.42 %) | 43 (16.23 %) | 67 (25.28 %) | 120 (45.28 %) | 2.042 | Disagree |
| Grand Mean | | | | | | 3.259 | Neutral |

Legend: Strongly Agree(4.20-5.00); Agree(3.40-4.14); Neutral(2.60-3.39); Disagree (1.80 -2.59); Strongly Disagree(1.00 - 1.79)

Based on Table 5, the results showed that 94 (35.47%) of the respondents strongly agree on the descriptive statement “I have trouble concentrating or staying focused during the day due to lack of sleep” and got the highest mean of 3.958 and are interpreted as agree. It means that many respondents had trouble concentrating or maintaining focus during the day due to insufficient sleep. As stated by Guadiana & Okashima (2021), sufficient sleep quality is necessary to function adequately as an undergraduate college student.

Whereas the second to the highest attained a mean of 3.879, and got a total of 100 (37.74%) strongly agree responses on the statement “I engage in activities such as using electronic devices or watching TV in bed that interfere with my ability to fall asleep” and interpreted as agree. It can be concluded that the use of technology may also adversely affect sleep. Considering that the respondents are already living in the technology era, these impede and contribute to unhealthy sleeping patterns when not managed properly.

4.0 Discussion

Perception of caffeine, smoking and insomnia plays important role in the promotion of awareness for the public. In terms of caffeine intake, the student nurse consume coffee, tea and caffeinated in regular basis with mean score of 3.713, and food with caffeine consumption earn 3.615. This shows that caffeine consumption is common to nursing student. They utilize it as means to be productive in academic work related activities. This stimulant is beneficial to be active the whole day in class. On contrary nursing student are knowledgeable about potential effect of caffeine consumption which earn 4.408 mean score. It was shown in table 3. that student also experiences negative side effect such as nervousness, anxiety after consumption of caffeine. This evidence shows that too much consumption of caffeine will affect health just like in smoking, moderation in caffeine consumption must be consider.

Nursing student must play critical role in reducing tobacco as means of relieving their stressors. It shows that students in medical field are expected to educate people in smoking cessation. Simple advice to the community can help to promote health and measures to control smoking. In the survey covered nursing who participated in the study which serve as frontline in providing quality of care Cho & Jang (2021). Result shows in table 4. that student are aware in health risk associated with smoking with mean score of 4.653 and in terms of avoidance of smoking harmful effect gather mean score of 4.664. This shows that it is important to have trainings or seminar pertaining to smoke cessation like having brochures and information pertaining in control and prevention of tobacco use Pingak et al. (2019). As part of the healthcare team, the health professional students should be cautious with their health to effectively deliver health education to their future patients thus personal smoking behavior among nurses needs to be addressed first. Majority of respondent acknowledge that as future provider of care promoting awareness is important in smoke cessation.

Insomnia is one of major challenges that student has experience. Base on the study most of the student has difficulty sleeping at night with mean score of 3.58. it also shown that due to it, the student experience physical symptoms like trouble in concentration during lecture with mean score of 3.958. this evidence that insomnia greatly affects one's health, changes mood and other related factor that leads to poor concentration. This implies that the respondent experienced unsettled feelings due to lack of sleep Hershner & Chervin (2014). The findings indicate that the effect of sleep quality on mood is much greater than the effect of mood on sleep quality. Hence, having inadequate sleep may affect how the brain regulates emotion. In addition, the respondents do not use medication or sleep aids in getting to sleep. Considering that the respondents are in the medical field, they understand most of the sleeping aids and medication should be prescribed by a physician Triantafillou et al. (2019). Evidence shows that having insomnia impact student physical and cognitive aspect because it lead to poor functioning, productivity and retention of information. This issue must be address immediately to resolve issue.

5.0 Conclusion

Based on the results, it highlights Perception of caffeine, smoking and insomnia among nursing students and its impact in promoting awareness. Caffeine consumption rates is significantly high among nursing students as means of stimulant; the study reinforce the importance of having limit in the consumption of caffeine intake. Furthermore, the prevalence of smoking among nursing student was reinforce through seminar and trainings pertaining to control and prevention of smoking. Lastly, insomnia is one of that challenges that student experiencing, this led to poor memory retention and affection cognitive aspect. Therefore, most of nursing student learned

about danger of caffeine, smoking and insomnia, addressing student concern and providing education materials and trainings helps to create strategic ways and approach on this situation.

5.0 Recommendation

Based on the conclusions, the researchers would like to recommend the following:

1. To student nurses, researchers propose to be role models and actively participate in campus-wide health education campaign on the effects of consumption of caffeine and alternatives or solutions to sleep problems. Also, minimize consuming caffeine-containing beverages and food during clinical duty to avoid unexpected incidents during the student's duty, so that whenever students have duty, they would be more focused in their ability to provide proper and appropriate interventions to their patients. Student nurses should take care of themselves as they need to take care of others' health. As someone who is part of the healthcare team, they need to be physically, emotionally, mentally, and spiritually prepared for their duties.
2. To Nurse Educators, it is recommended that they include health promotion in their curriculum one which is about the harmful effects of smoking, one that would be about options on how to quit smoking.
3. For School Administrators, to integrate in their school policies ways to control smoking within campus premises, a no smoking policy must be strictly imposed.
4. To future researchers, must take into consideration conducting this study with a broader group of respondents, including students from different universities, to gather more data. Caffeine intake and smoking status need further investigation by its domains and how it will affect the prevalence of insomnia among students.

Consent and Ethical Approval

The researcher undergone ethics review from Davao Doctors College Incorporation. Informed consent was given, and confidentiality of data is strictly applied.

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