

# "Fueling the Future: Exploring Caffeine Consumption in Health Professional Students"



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### INTRODUCTION

- Caffeine is an increasingly used substance, with a market that often targets young adult consumers.
- Research shows that lower doses of caffeine improve wakefulness and attention, while higher doses are associated with negative effects like insomnia, anxiety, and heart palpitations.
- Survey-based studies on health professional students have linked increased caffeine consumption to increased stress, anxiety, and decreased sleep quality.
- Our study aims to assess the pattern of caffeine consumption among health professional students at LSU, as well as its association with demographics and side effects.

## **METHODS**

- We conducted a survey among LSU graduate health program participants to gather data on caffeine consumption and its related side effects.
- Responses were collected using the RedCap system and analyzed with Excel and SAS software.
- Participants were categorized into high and low consumers based on their selfreported weekly caffeine intake, and these two groups were compared.
- High consumers were those who drank two or more caffeinated products per day on average. Low consumers were those who drank one or less caffeinated products per day.
- Chi square was used to determine statistical difference between the high consumption group and low consumption group.

### RESULTS

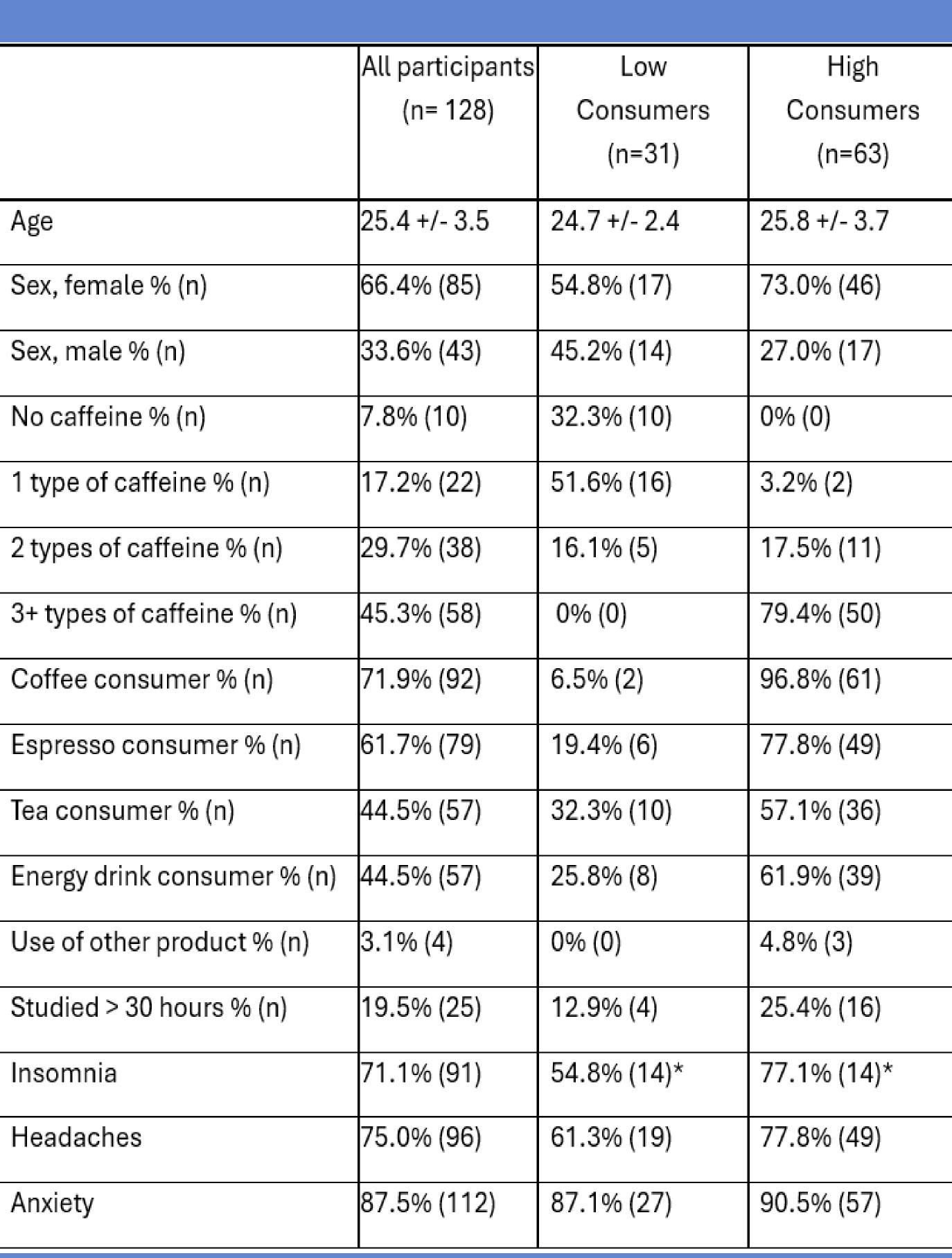


Table 1. Survey results based on the responses of 128 individuals.

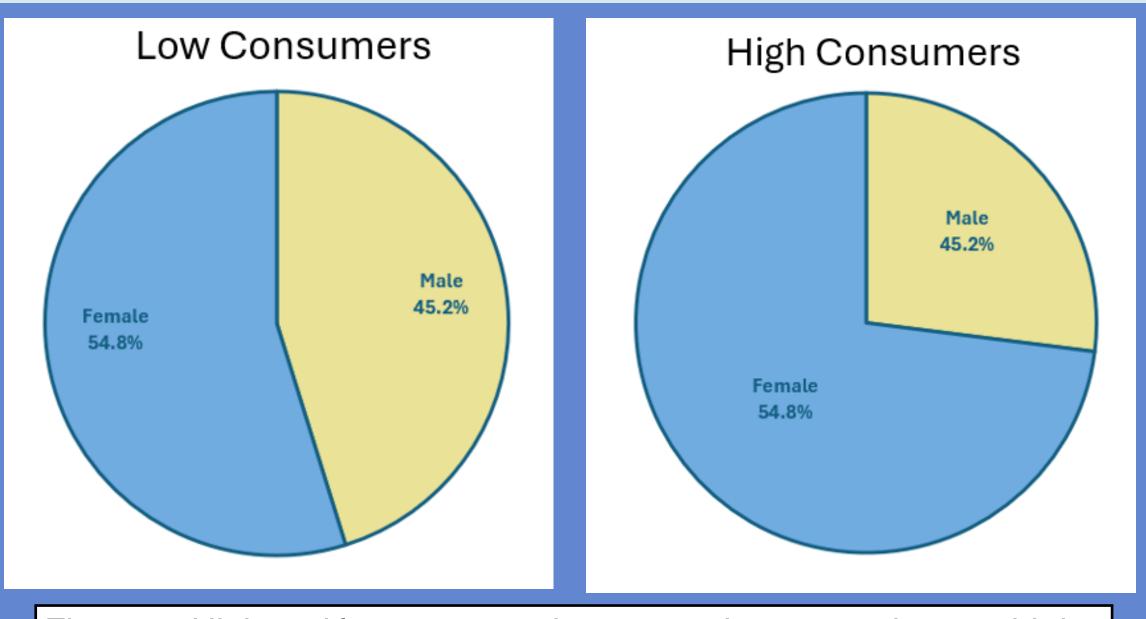
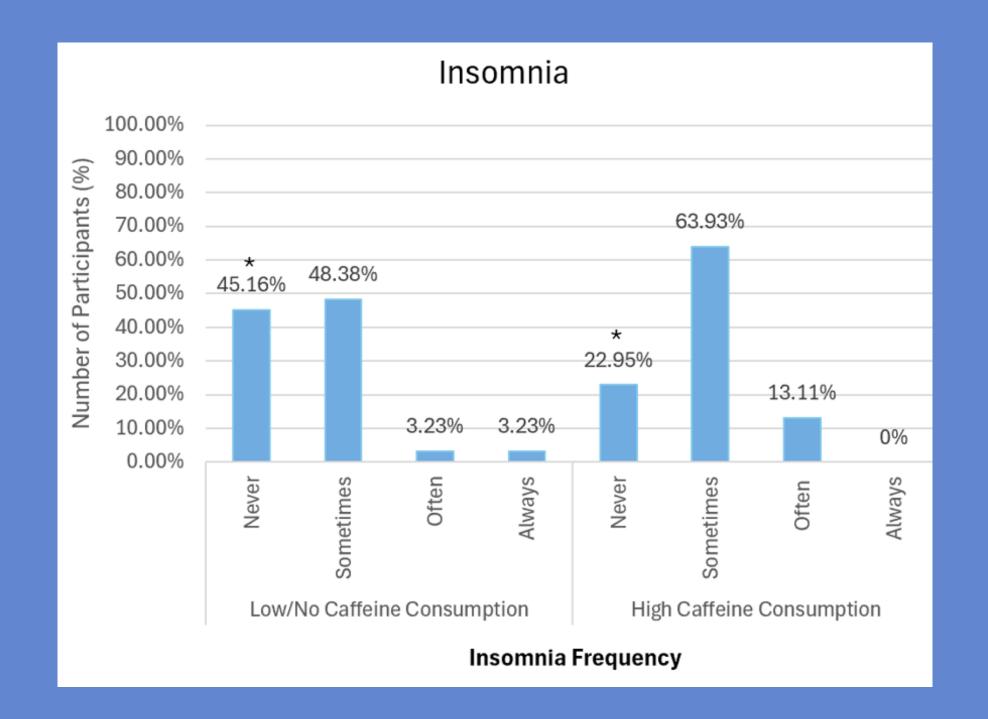
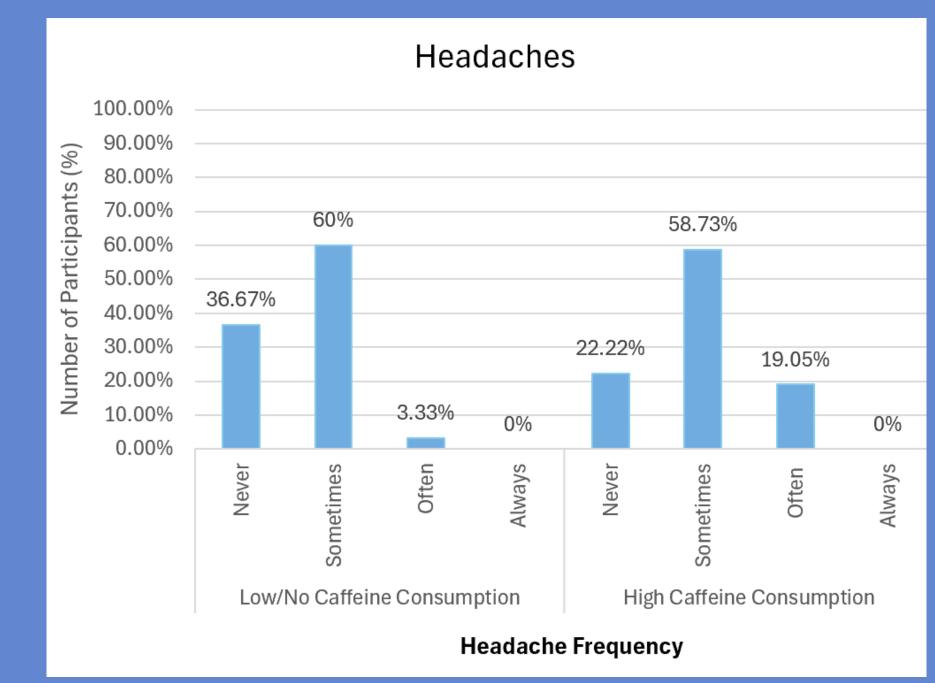


Figure 1. High and low consumption groups by reported sex at birth.





Figures 2-3. Reported insomnia and headache frequencies in low consumers and high consumers.

## CONCLUSION AND FUTURE DIRECTIONS

- The study results indicate that most caffeine users consume a combination of caffeinated products for stimulation.
- Regular coffee was the most commonly consumed caffeinated beverage among high caffeine consumers,
   yet it was the least preferred product among low consumers.
- There was no significant difference in the number of hours studied between high and low caffeine consumers, indicating that future research could investigate other motivations for caffeine use.
- Assessment of food preferences is ongoing and may reveal potential links to caffeine intake levels.
- As more survey responses are collected, additional trends and significant findings may become apparent.