

# Narcan Knowledge and Comfortability of Use



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## Objective

Our study aims to determine the relationship between knowledge of Narcan and comfortability of use

## Background

- Opioid use disorder affects over 2.1 million people in the United States
- On average, 91 Americans die per day from an opioid overdose
- The prevalence of opioid related deaths among college students is rising due to the increased amount of access to synthetic opioids

## Methods

- In May, 2023 a google form was created and distributed to UCSD undergraduate students (n=30)
  - Recruitment: the survey was promoted through UCSD's Public Health Department Listerv
- Questions and corresponding likert scales were created to measure 2 variables: Knowledge of Narcan (familiarity scale) and Comfortability of Narcan (agreement scale)
- Means and Standard Deviations were computed for each variable and a Pearson Correlation Coefficient was calculated with a statistical significance set at  $p < 0.05$

## Results

- Participant Gender Identity: 83.3% female, 13.3% male, 3.4% non-binary
- Knowledge of Narcan Score mean = 13.1 (SD: 5.2, range: 4-20)
- Comfortability of Narcan Score mean = 15.3 (SD: 4.3, range: 5-25)
- Knowledge of Narcan Score moderately and positively correlated with Comfortability of Narcan Score ( $r=0.513$ ,  $p\text{-value} < .001$ )

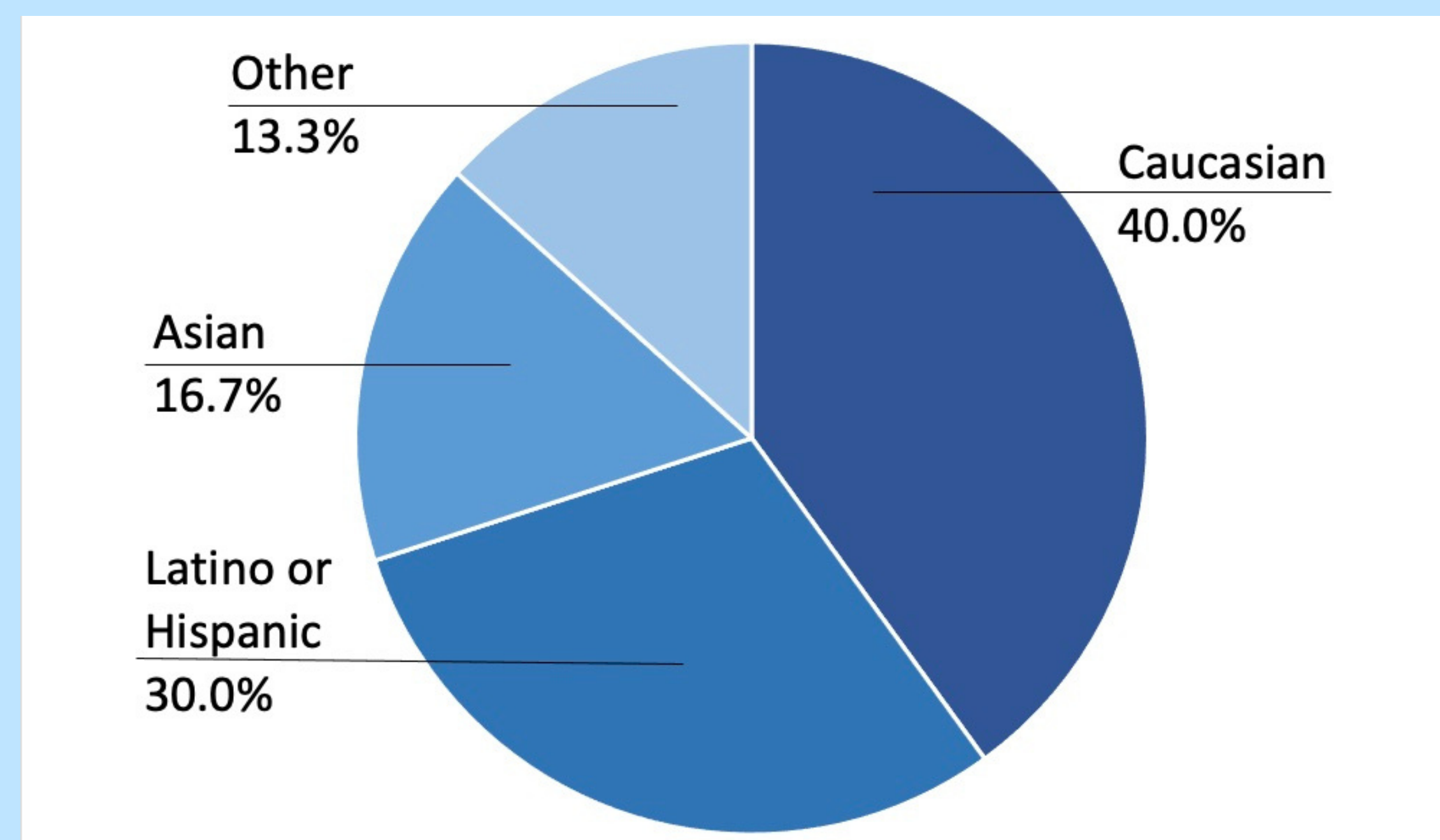


Figure 1. Distribution of Participants by Ethnicity

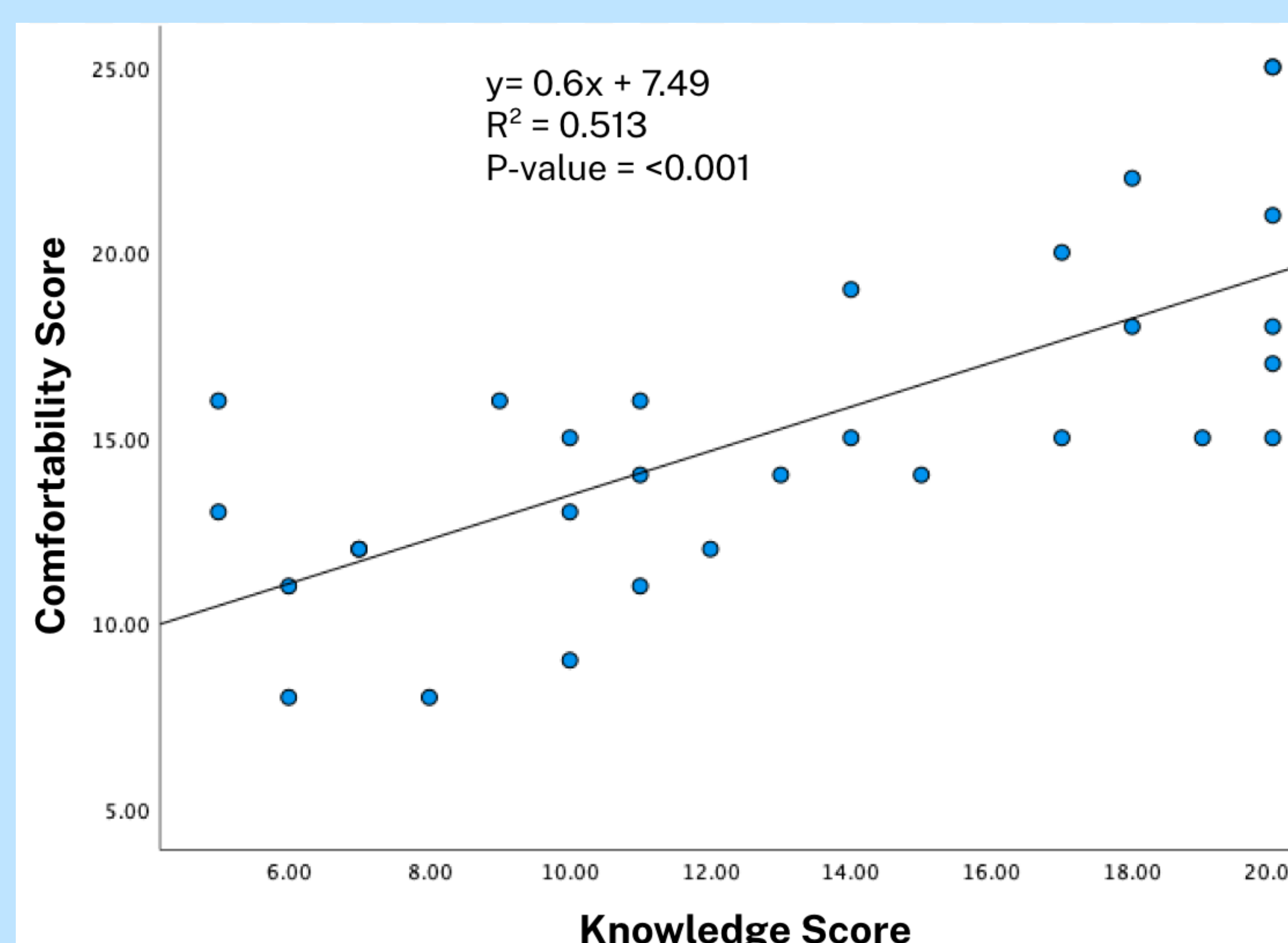


Figure 2. Correlation Between Knowledge Score and Comfortability Score

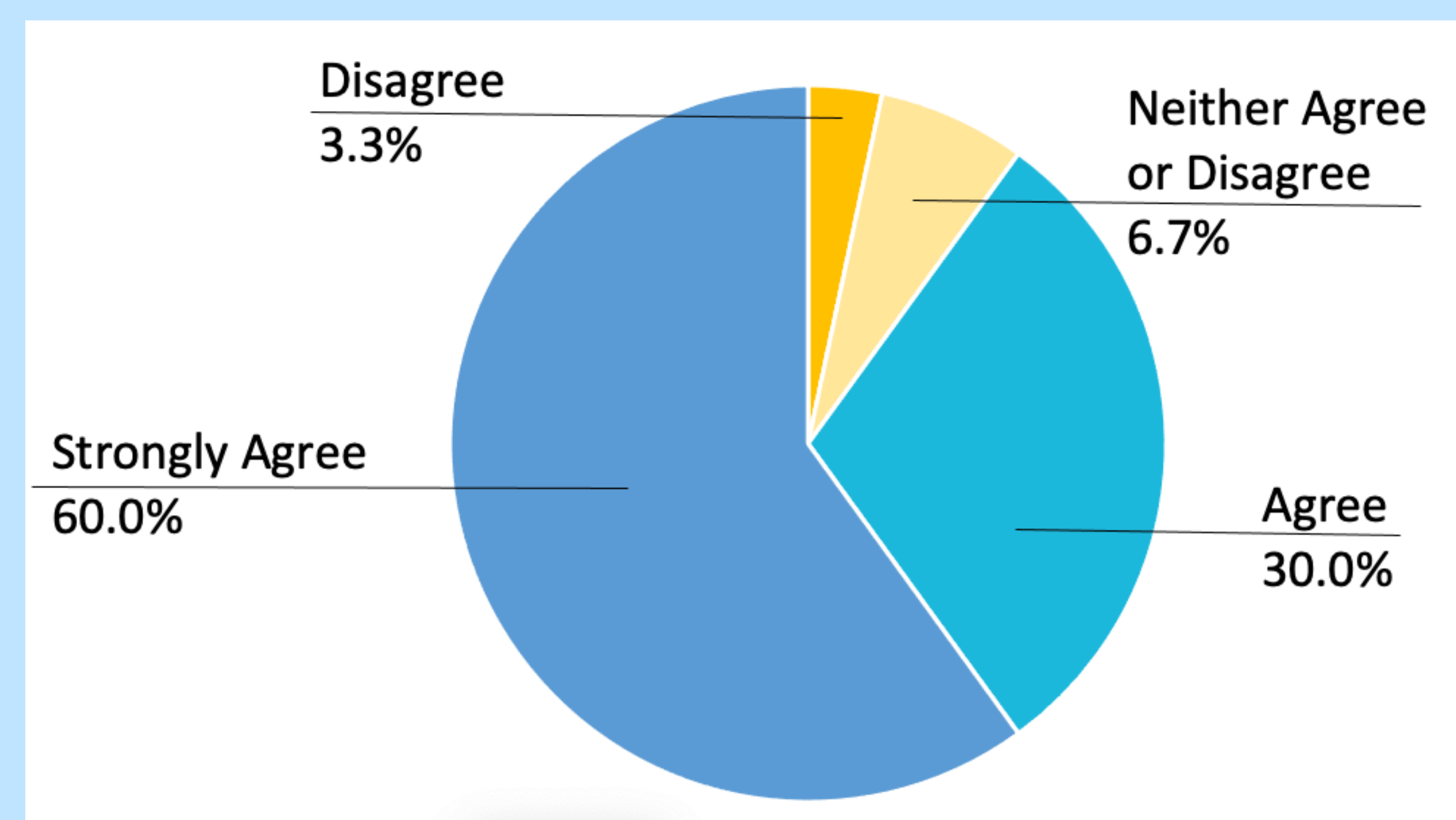


Figure 3. Distribution of participants who are interested in a Narcan training program

## Policy Implications

- Our research supports the implementation of UCSD's Naloxone distribution project. Please scan this QR code if you are interested in more information.

## UCSD Naloxone Distribution Project



## Conclusion

- There is a positive association between knowledge of Narcan and comfortability of use
- Naloxone training programs are highly beneficial, and will empower students to take action in an emergency situation.