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Issues Affected by the COVID-19 Pandemic and Their Impacts on Food Insecurity Among UCSD Students

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Introduction

- **Food insecurity** is defined as the state of being without adequate access to a sufficient quantity of affordable, nutritious food which can be caused by a number of factors such as income, accessibility, location, resources, and transportation (Weaver et al. 2020)
- Lack of access and resources to food has been linked to students having less concentration and energy levels, proving to have both mental and physical effects (Weaver et al. 2020)
- Issues exacerbated by the COVID-19 pandemic such as housing status, employment status, and rising costs of food staples were surveyed to see if they had an effect on food insecurity

Objective

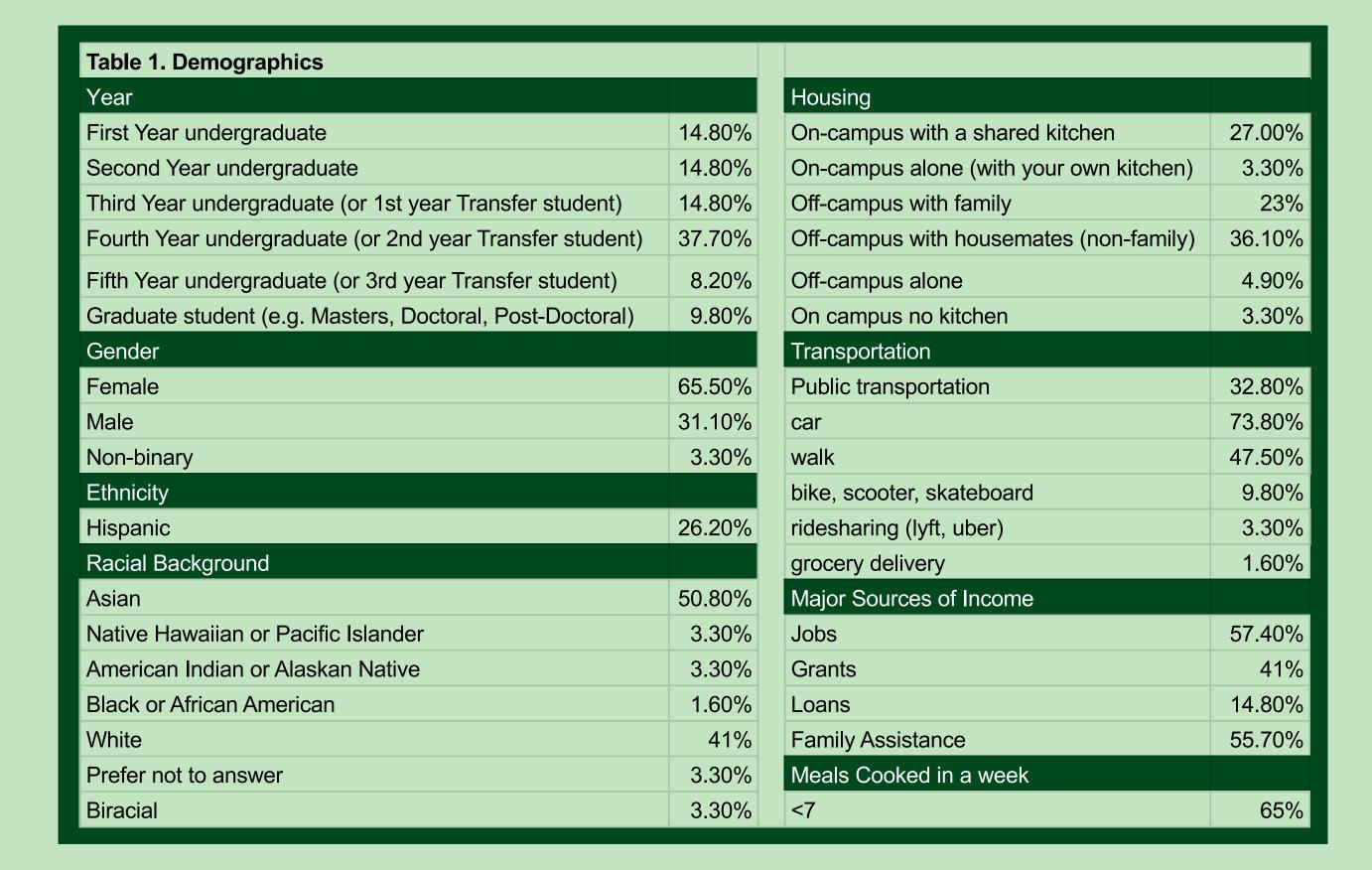
• To determine if financial, transportation, and housing issues related to the COVID-19 pandemic had an impact on UCSD students' food insecurity status

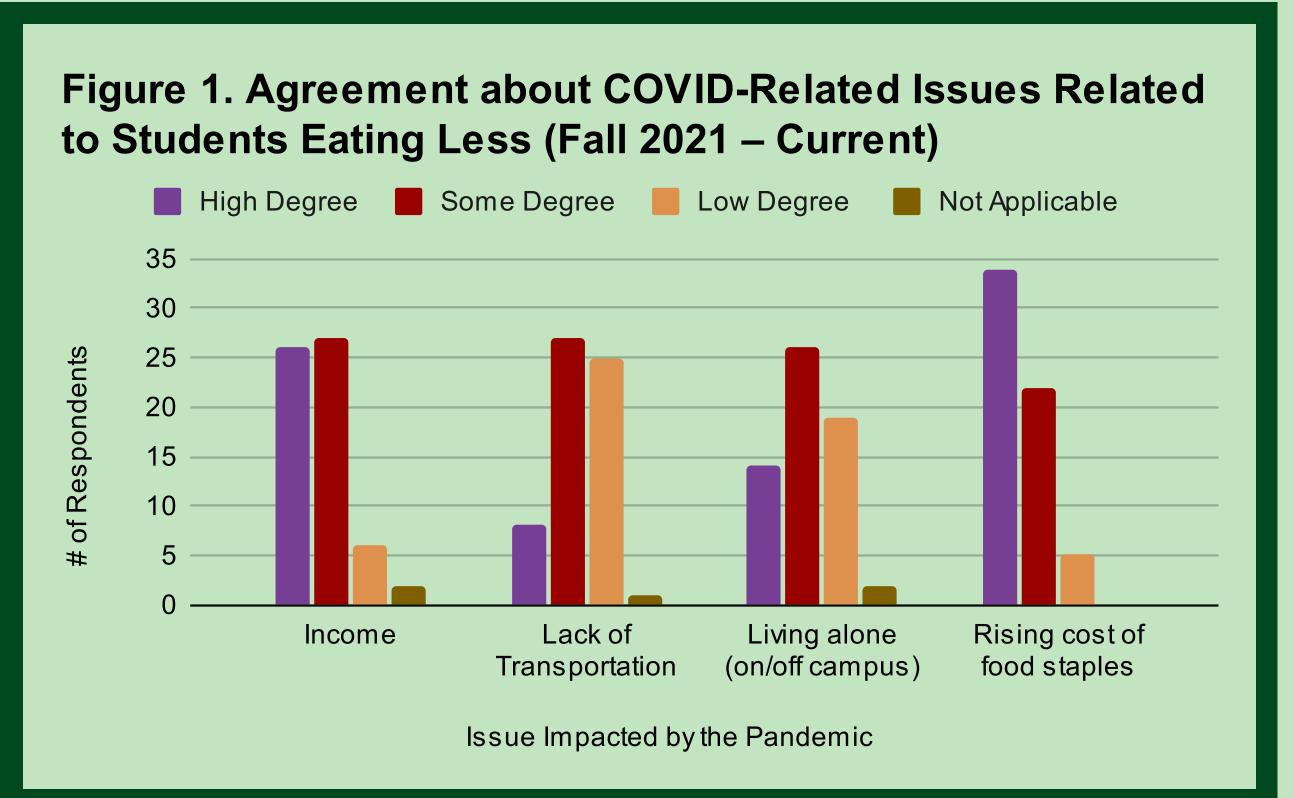
Methods

- A cross-sectional survey was anonymously conducted through
 Google Forms with 18 questions among current students attending UC
 San Diego
- Data collection between April 24th and May 10th, 2022
- Recruitment conducted via Triton Food Pantry and Reddit
- Questions were asked about the relations between exposure variables: income, transportation, housing status, and the rising costs and if they affect students' outcomes on choosing cheaper options, eating less, and skipping meals
- Data analyzed in SPSS

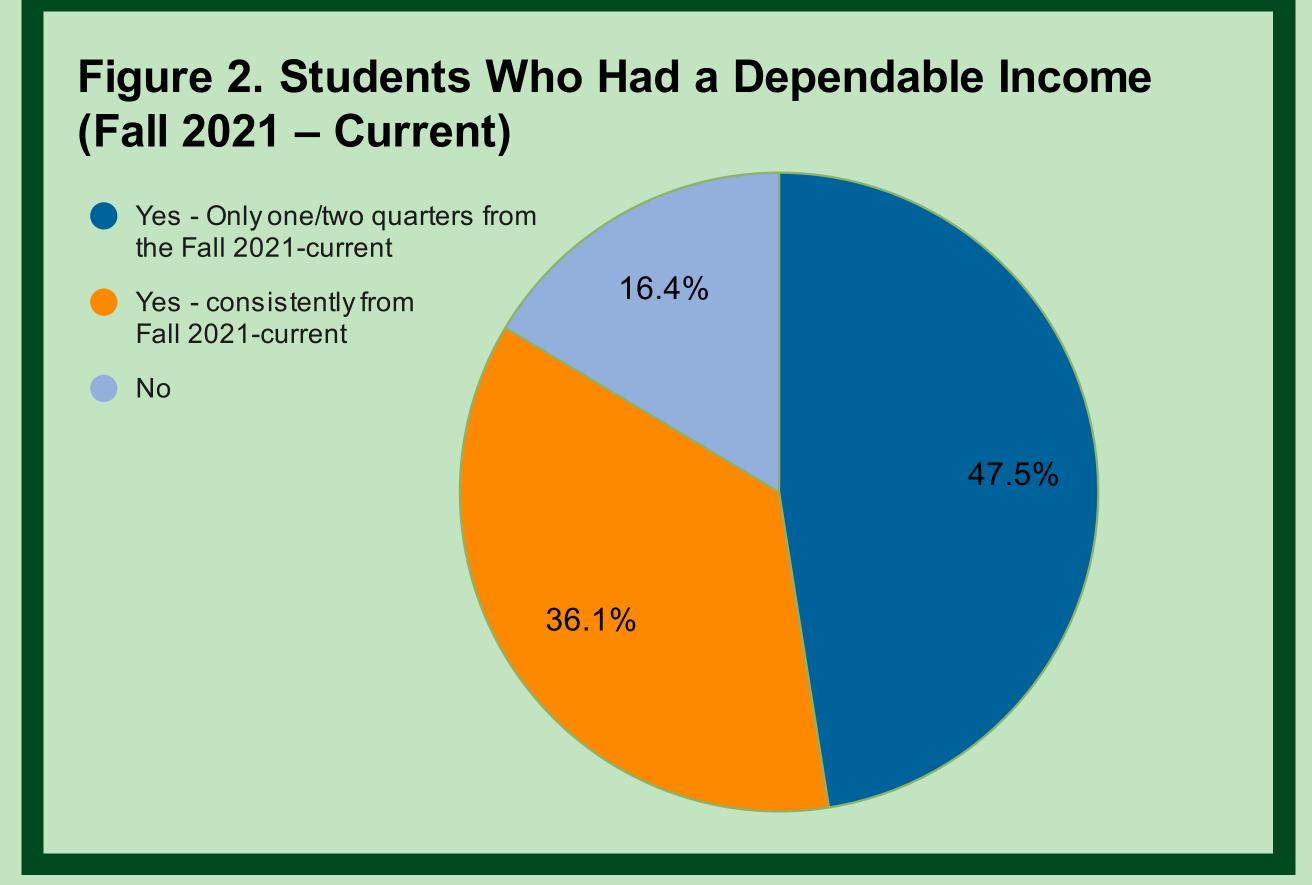
Results

- UCSD students (N=61, 55 undergraduate, 6 graduate) perceived that the rising cost of food staples and income during the COVID-19 pandemic had a **significant impact on students' food insecurity status** when it came to eating less, skipping meals, and choosing cheaper options, compared to the impacts caused by living situation and transportation accessibility
- Among 12 logistic regression models, we found 2 to be statistically significant (p<.001) with a positive relationship between (1) rising cost of food staples and choosing cheaper options, and (2) between income and eating less
 - The remaining logistic regression models were not statistically significant





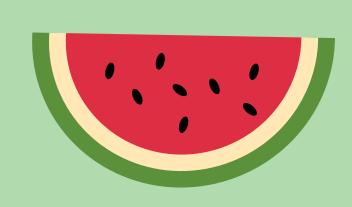
- Students agree that there is either a **high or some degree** of relationship to income levels, including rising cost of food staples to eating less
- Similar findings were associated with skipping meals and choosing cheaper options



• Approximately 16.4% of our sample is at **evident risk** for food insecurity as income is a major factor

100% of respondents perceived that students were choosing cheaper options due to rising cost of food staples

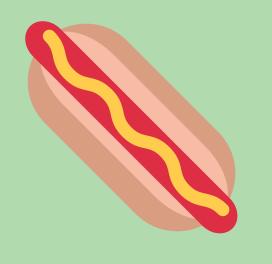




87% of students perceived that other students were skipping meals due to income

53% of students did not have a reliable source of income during the 2021-2022 school year





93% of students perceived that the cost of food staples had risen within the past school year

Overall, students did not perceive that forms of transportation and living alone had an effect on student's food insecurity status



Conclusions

- Students agree that rising costs of food staples and income may be important factors in perceived food insecurity among UCSD students
- Other factors to be considered: mental health, lack of time and knowledge

Policy Implications

 The deployment of advertisements throughout social media and email to promote food pantry locations and food assistance programs (CalFresh) would be beneficial to students in preventing food insecurity

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References

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