Do on- or off-campus university students have better eating competence? Anthony Kyriakides BS

Introduction

Eating competence (EC) is described as an overall assessment of eating attitude (EA), food acceptance (FA), internal regulation(IR), and contextual skills (CS) regarding diet and lifestyle (1). EC has been researched among adult women and Hispanic populations (2,3). In the college setting, research shows relationships between EC scores and sexual minorities (4), first-generation status (5), weight status (6).

Off-campus college students who do not live at home are shown to be less adept regarding grocery shopping (7) and are more likely to engage in unhealthy behaviors such as underage and binge drinking (8). For these disparities, I believe there may also be differences in EC among offcampus college students.

Objectives

- 1. To assess differences in mean total EC scores between undergraduate students living on-campus versus offcampus.
- To assess differences in mean EC subscores between undergraduate students living on-campus versus offcampus.

Methods

• Data were collected between 2015-2023 as part of an ongoing cross-sectional study, the College Health and Nutrition Assessment Survey (CHANAS). Students in the introductory nutrition course are recruited in each semester and informed consent is collected (UNH IRB #5524).

Data Collection:

• Participants self-reported via online questionnaire (Qualtrics) their living arrangements and EC via the eating competency Satter inventory (ecSI 2.0). The ecSI 2.0 is a 16-item questionnaire that evaluates total EC as well as EC subscores (1).

Data Analysis:

• Mean differences in ecSI scores and subscores between oncampus and off-campus students via ANCOVA, using gender, and age, as covariates, (SPSS v29).

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npus with a kitchen		Total		
ו	%			
20.3 ± 1.2				
		l		
'4	45.3%	727		
1	54.7%	1167		
605		1894		
.5	93.7%	1683		
3	3.2%	55		
7	3.0%	75		
560		1813		

0	-4	8

Key Findings

There were no differences in the mean total EC scores or subscores between on-campus students with a kitchen, oncampus students without a kitchen, or off-campus students with a kitchen.

Conclusion

Results do not suggest that living arrangements influence one's total EC score, or their EA, FA, IR, and CS subscores in this sample of college students. It is shown that on average, university students are eating competent (total EC score > 32). More research is needed, but data suggests that a student's housing location or access to a kitchen might be a factor in their total EC score, or subscore.

Take Away

Living status does not likely influence students eating competence.

Acknowledgments

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