Intuitive Eating: Perspectives from college students

Under the direction of Jennifer D. McMillen & Andrea McPherson

Meredith College

SNEB 2020

Jessica Long, MS Caroline Coleman & Emily Watkins By the end of the session you should be able to...

- explain to a friend 3 aspects of intuitive eating.
- identify patterns in intuitive eating and visceral sensitivity scores.
- discuss with a colleague ideas you have about encouraging intuitive eating at your institution.



A little bit about Intuitive Eating

We will not talk about eat this...not that!





What do you know?

- → When was the Intuitive Eating concept created?
- → How many study abstracts populate if you search Intuitive Eating in PubMed?

→ What theory did the creators utilize?



What do you know?

- When was the Intuitive Eating concept created? 1995
- How many study abstracts populate if you search Intuitive Eating in PubMed? 240

→ What theory did the creators utilize?

Idea of ideal weight maintained by responding to hunger and satiety cues.

Study Methods

What was our purpose?

To gain insight into the eating habits of college students.

Focus was given to understanding motivations and barriers for using components of intuitive eating!



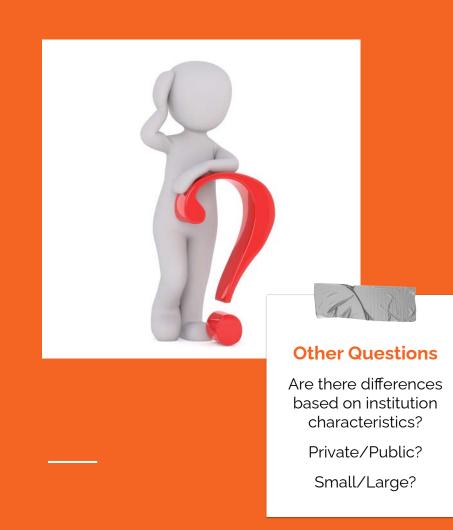
Quantitative Hypothesis:

Higher score on IES-2 would have lower score on VSI

Qualitative Research Questions:

How do students use bodily cues to inform food choices?

What other factors influence food choice and IE practices?



Outline of Methods

Recruiting/Participants	Survey	Focus Groups
Email recruiting	Qualtrics online survey	Qualtrics invite
2 college/university	Consent	1 on each campus
Age 18-25	Demographics	~45 minutes
283 total participants	IES-2 and VSI	Moderator guide was semi-structured

Participants 283 Undergraduate students (18-25)

168 from large state university 115 from small private college



Gender

Male: 57

Female: 225

Prefer not to disclose: 1

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Critical Thinking:

Why subscales?

To give a holistic and detailed measure! There are several components of intuitive eating

IES-2 Assessment

23 item scale (Tykla, 2013)

Likert style (5 point)

Has 4 subscales

Designed to assess the degree/intensity of intuitive eating

IES-2 Subscores

UPE	EPR	RHSC	B-FCC
Unconditional Permission to Eat 6 questions	Eating for Physical Rather than Emotional Reasons 8 questions	Reliance on Hunger and Satiety Cues 6 questions	Body-Food Choice Congruence 3 questions

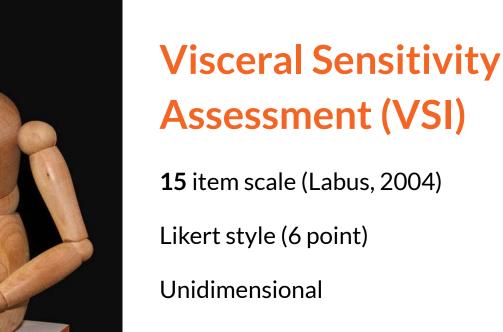
IES-2 Example Questions

1. I try to avoid certain foods high in fat, carbohydrates or calories	1 Strongly Disagree	2 Disagree	3 Neutral	4 Agree	5 Strongly Agree
2. I have forbidden foods that I don't allow myself to eat	1 Strongly Disagree	2 Disagree	3 Neutral	4 Agree	5 Strongly Agree
 I get mad at myself for eating something unhealthy 	1 Strongly Disagree	2 Disagree	3 Neutral	4 Agree	5 Strongly Agree
4. If I am craving a certain food, I allow myself to have it	1 Strongly Disagree	2 Disagree	3 Neutral	4 Agree	5 Strongly Agree

Critical Thinking:

What does gastrointestinal specific anxiety mean?

Cognitive-behavioral responses to the perceived fear of gastrointestinal response!



Designed to assess the degree/intensity of gastrointestinal specific anxiety

Possible Score 0-90

 I worry that whenever I eat during the day bloating and distension in my belly will get worse 	1 Strongly Disagree	2 Disagree	3 Somewhat Disagree	4 Somewhat Agree	5 Agree	6 Strongly Agree
2. I get anxious when I go to a new restaurant	1 Strongly Disagree	2 Disagree	3 Somewhat Disagree	4 Somewhat Agree	5 Agree	6 Strongly Agree
3. I often worry about problems in my belly	1 Strongly Disagree	2 Disagree	3 Somewhat Disagree	4 Somewhat Agree	5 Agree	6 Strongly Agree
 I have a difficult time enjoying myself because I cannot get my mind off of discomfort in my belly 	1 Strongly Disagree	2 Disagree	3 Somewhat Disagree	4 Somewhat Agree	5 Agree	6 Strongly Agree

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Moderator guide was semi-structured

Extensive Qualitative Training & Moderator Guide Development

Qualitative Research Basic Training Literature Review and Quantitative Data Informed Moderator Guide Development Summarization technique training for listening skills and interpersonal communication Multiple Mock interviews Mock focus group

Weekly meetings for feedback and moderator guide adjustments

Verbatim transcripts from video records to word documents for text analysis Thematic analysis by 100% group consensus

Moderator Guide Example Questions and Follow-up Probes

1. How do you recognize when you are hungry?	How does your body let you know when to eat?	What words do you use to describe hunger?
2. How do you recognize when you are full?	How does your body let you know when to stop eating?	How do you feel when you satisfy your hunger?
3. How do you use your hunger cues to help you decide what foods to eat?	Tell me about the foods you are most likely to eat when you are hungry.	When do you find it difficult to recognize that you're hungry?
4. How do you use your fullness cues to help you decide when to stop eating?	What foods are you more likely to eat when you are full?	When do you find it difficult to listen to your body's fullness cues?

Study Results



Survey Results

Participant Demographics

Gender

IES-2 and VSI correlation

Participant Demographics

Univariate Analysis					
Variable		IES-2 Score (N = 283)	VSI Score (N = 279)		
Gender, n (%) Male Female Prefer not to disclose	57 (20.14) 225 (79.51) 1 (0.35)	P = 0.002	P = 0.008		
Classrank, n (%) First-year Sophomore Junior Senior Other	28 (9.89) 87 (30.74) 76 (26.86) 81 (28.62) 11 (3.89)	P = 0.82	P = 0.43		
Institution, n (%) NCSU Meredith	168 (59.36) 115 (40.64)	P = 0.46	P = 0.18		
Ethnicity, n (%) Caucasian African American Asian American Latino/Latina Multiracial Prefer not to disclose	224 (79.15) 11 (3.89) 21 (7.42) 9 (3.18) 15 (5.30) 3 (1.06)	P = 0.54	P = 0.77		
Age, mean (SD)	19.88 (1.32)	P = 0.22	P = 0.08		

Participant Demographics

Question: Do you think males or females tended to score higher on IES? What about VSI?

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Males tended to score higher than

females on the IES

Females tended to score higher than

males on the VSI

Cain, K. C., Jarrett, M. E., Burr, R. L., Rosen, S., Hertig, V. L., & Heitkemper, M. M. (2008). Gender Differences in Gastrointestinal, Psychological, and Somatic Symptoms in Irritable Bowel Syndrome. *Digestive Diseases and Sciences*, 54(7), 1542–1549.

Pingitore, R., Spring, B., & Garfield, D. (1997). Gender differences in body satisfaction. *Obesity research*, *5*(5), 402–409.

Alm, S. & Laftman, S. B. (2018). The gendered mirror on the wall: Satisfaction with physical appearance and its relationship to global self esteem and psychosomatic complaints among adolescent boys and girls. *Young*, 26(5), 525-541.

IES & VSI

Is this surprising to you? Or what you expected?

Pearson Correlation Coefficients, N = 279 Prob > r under H0: Rho=0			
	IESTotal	VSI	
IESTotal	1.00000	-0.43001 <.0001	
VSI	-0.43001 <.0001	1.00000	

R-Square	Coeff Var	Root MSE	VSI Mean
0.184909	39.30836	14.78642	37.61649

Not entirely unexpected...

Boyd, C., Abraham, S., & Kellow, J. (2005). Psychological features are important predictors of functional gastrointestinal disorders in patients with eating disorders. *Scandinavian Journal of Gastroenterology*, 40(8), 929–935.

Abraham, S., & Kellow, J. (2011). Exploring eating disorder quality of life and functional gastrointestinal disorders among eating disorder patients. *Journal of Psychosomatic Research*, 70(4), 372–377.

Perkins, S., Keville, S., Schmidt, U., & Chalder, T. (2005).
Eating disorders and irritable bowel syndrome: Is there a link? *Journal of Psychosomatic Research*, 59(2), 57–64.

Dominant Emergent Themes

Data collection is ongoing.

Focus groups will continue until saturation is reached.

Focus Group Results

2 Focus Groups

10 total participants

3 dominant emergent themes

8 sub-themes

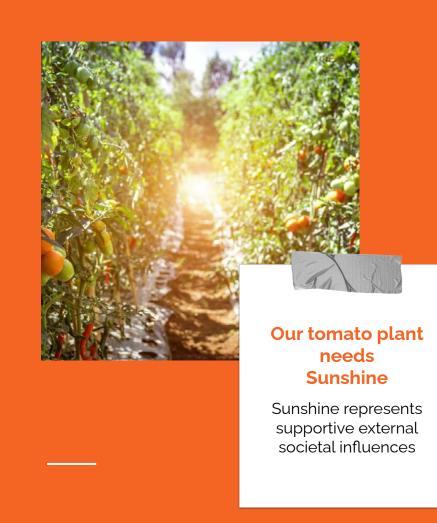


External Societal Influences

Scheduling/routines/convenience

Cost vs. waste

Perceptions of healthy and unhealthy...opportunities for nutrition education



"I definitely prioritize my work over going to eat"

> Scheduling, Routines, & Convenience

"[When] we go out to eat... I feel I have to eat everything in front of me or I'm being wasteful."

Cost Vs. Waste

"If I'm feeling really bad...when I ate too unhealthily...I'll limit myself despite how hungry I am."

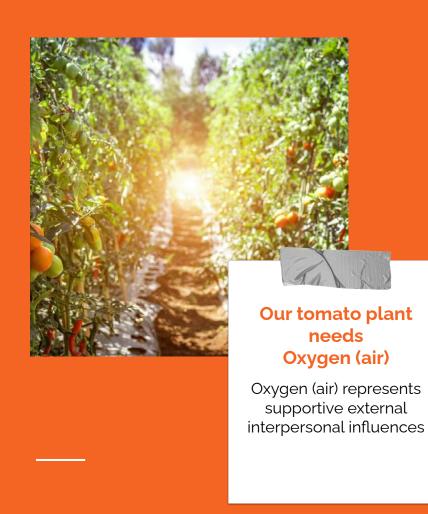
Perceptions of healthy & unhealthy

External Interpersonal Influences

Social comfort/discomfort when eating with others

Reaction to feeling hungry

Dependence on others/autonomy



"Social situations where everyone has gotten 1 or 2 plates... I'll go grab another... but if I'm the only one eating, maybe I should stop."

Social (dis)comfort when eating with others

"...if you are around a bunch of other people and they aren't hungry it feels awkward to be hungry."

Reaction (Guilt) to Hunger

Participant Quote:

"I live at home so whatever my mom cooks [is what I eat]"

Dependence on others (Autonomy)

Internal Influences

Physiological awareness/lack of physiological awareness (taste override)

Emotional eating



Participant Quote:

"I'm always up for dessert, even if I'm full."

Physiologic Awareness (or lack of)

Participant Quote:

"I have a big problem with emotion eating. If I'm sad, I just want some French fries or [fast food]."

Emotional Eating



When we have supportive external and internal influences the tomato can develop and ripen. The tomatoes are the Intuitive Eating practices. At any given time, some are further along (more mature) than others.

Barriers to Intuitive Eating in College Students: A Qualitative Model

Societal Cost vs. Waste Scheduling conflicts	
Nutrition education	
Interpersonal	
Reliance on others	
Discomfort eating around others	
Intrapersonal Ignoring fullness cues Emotional eating	

Pulling it all together to impact our community

What do students see?



Why reporting sexual assault is a complex and personal decision

If you or a friend have experienced sexual assault or harassment, it's important to know that there isn't one "right" way to proceed. Here are some of the resources that are available to survivors

Posted on June 24, 2020



Ask the nutritionist: "I am healthy but on the skinny side. How do I gain weight?"

If you have a low body weight and wish to gain weight for health or sports-related reasons, here's how to do it. Posted on June 24, 2020

Our 4 favorite stress-busting voga routines

These four yoga routines are perfect for undoing the stresses of college life. Posted on June 24, 2020

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The power of body positivity, and why weight stigma matters

It is hard to find time to cook healthy meals as college students. So, here's some great and quick healthy recipes! #TastyTuesday

MORE FROM AUTHOR

Recipes found here: soo.nr/ln8g

22 INSANELY HEALTHY MICROWAVE MEALS FOR COLLEGE STUDENTS





FitnessU: Chest and back exercises for posture, balance, and strength

Add these chest and back exercises to your workout to avoid rounded shoulders, improve your posture, and create upper body balance.



How healthy is your relationship? Take the quiz

Is your partner's behavior normal or a big red flag that they might be controlling or abusive? Take our guiz to see if you're in a healthy relationship. Posted on June 17, 2020



June is Men's Health Month: Here are 4 tips to feel your best

This is a PSA to all men to go get your annual check-up (plus three other healthy habits you should build to stay feeling good). Posted on June 17, 2020

Posted on June 17, 2020

What do students see?

Home

About Us

Aquatics

Competitive Sports

Facilities

Fitness

Member Services

Outdoor Adventures

Piney Lake

Team QUEST

Center for Student Well-Being

Substance Use Prevention

SPARTA Peer Education

Violence Awareness & Prevention

Mental Health

Nutrition

UNCG Department of Recreation & Wellness CENTER FOR STUDENT WELL-BEING AT KAPLAN

The Center for Student Well-Being is housed within the Department of Recreation and Wellness and strives to provide education and develop students' knowledge as it relates to their health and wellbeing. We believe that a student's success on campus is directly correlated with their understanding of their personal wellness journey. Focus areas include, but are not limited to, alcohol and substance use prevention, sexual health, nutrition and body image, mental health, and violence prevention. The Center for Student Well-Being, in collaboration with the Gender Diversity Working Group, is committed to affirming the lives of and promoting social justice for Trans* and Non-Binary people. We have created a comprehensive toolkit to support gender diverse students, located here: https://bit.ly/2Z0EaAc.Visit.ourcelendar.here

Tell-Being Online is a Canvas-based resource where you can learn self-care. Topics include activity, rest, mental health, etc. Direct links to register for events and follow us on Instagram. Simply selfand select any topic that interests you.

What do students see?

Member Services

Outdoor Adventures

Piney Lake

Team QUEST

Center for Student Well-Being

Substance Use Prevention

SPARTA Peer Education

Violence Awareness & Prevention

Mental Health

Nutrition

WELLNESS not weight

The Body Project

Sexual Health

Massage and Acupuncture

The Center for Student Well-Being Online Resource

The Center for Student Well-Being Online is a Canvas resource where you can learn self-care. Topics include nutrition, physical activity, rest, mental health, etc. Direct links to register for events and follows on Instagram. Simply self-<u>ENROLL</u> and select any topic that interests you.

Intuitive Eating Workshop — Coming Spring 2020

Intuitive Eating is a way to nourish your body to support physical and mental health. It includes honoring your hunger and fullness, eating mindfully, and making peace with food. It rejects the false promises of dieting. Dates, times, and registration details forthcoming.

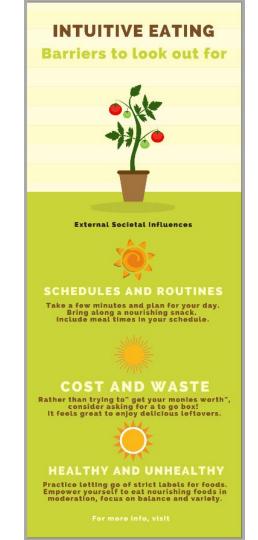
Body Project

The Body Project is an interactive program found to improve body image and reduce eating problems in women. This peer-led workshop is offered in 4 sessions (60 minutes each). For more information, visit our <u>Body Project webpage</u>.

Wellness Not Weight

Wellness Not Weight is a health-focused, justice-oriented campaign to raise awareness of the mental, emotional, and physical dangers of weighing. Fitness, well-being, and self-worth cannot be measured by the scale. To learn more, visit our <u>Wellness Not Weight webpage</u>.

Deliverable examples based on student identified barriers!



Infographic Example

Poster for Dining Hall:

Intuitive Eating Hunger-Fullness Scale



Campus Activity

Snack/Lunch

with a Professor



"Sometimes when I'm hungry, I feel that it's wrong and that I shouldn't be

hungry."

"I can trust my body to tell me when it's hungry. When it does, I should honor my body's needs."



Instagram Post Example

Simple Group Lesson Example

"I have a set schedule around when I eat; not really my stomach, but my head."

"I don't usually eat at this time, but my stomach is rumbling, so I'm going to have a snack."







Twitter Message Examples

"Always keep snacks on hand. Be prepared for your hunger cues!"

"Listen to YOUR body & YOUR hunger cues. We all have different needs. Each of our plates should look unique!"

What makes these deliverables helpful?

They exist!

Encourage Intuitive Eating Practices

They have a single digestible idea

Respond to identified challenges

Utilize our participant ideas

Can be combined for coordinated campaign



We tried to use explicit Language

And have appealing visuals

And together provide a memorable message

Let's brainstorm together...

Take a few minutes and think about how you can use IE positive language and messaging in your work?



What info do they need to know?

What language can you use?

What services would help?

Other ideas...

Free speech boards

Flyers

Dining Hall Offerings/Hours

Quick Meal/snack Tips

Podcast by students

IE concept reminder app/texts/etc.





Thank you for your time!

Questions?

