SCHOOL OF PUBLIC HEALTH

Development of a Weight-Inclusive Nutrition Education Toolkit

Completed by: Kaitlin Benjamin, UW Nutritional Sciences Program, MPH Student & Dietetic Intern **Preceptor:** Natalie Lomazov, RDN, CDCES; Weight Inclusive Education Initiative (WITI)

Background

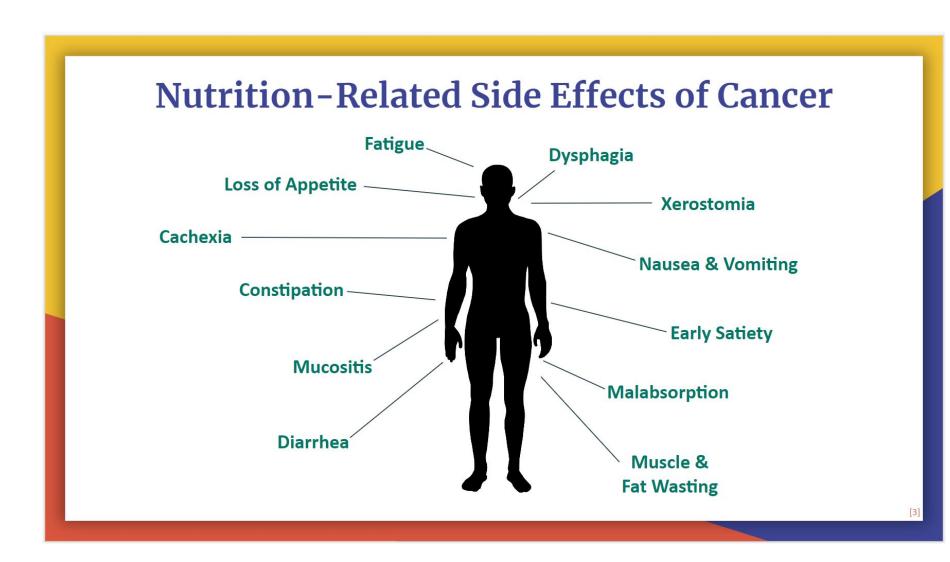
- Health sciences curricula primarily foster the "weight-normative" care model, equating weight with health
- Evidence suggests that weight-normative care fosters weight bias, and results in poor health outcomes [1-6]
- The Weight Inclusive Toolkit Initiative (WITI) maintains that **body** size diversity is normal and should be accepted and celebrated in educational & healthcare settings

WITI Committee Objectives

- Create an educational toolkit that "does no harm"
- Educate about the harms of weight bias, benefits of weight-inclusive care, and intersections of weight bias with racism and gender-bias
- ☐ Follow DEI principles throughout development and implementation

Project Goals

- 1. Create an oncology lesson and case study for dietetic students that aligns with WITI's weight-inclusive values
- 2. Create an annotated bibliography for Toolkit members to develop content



Benefits of Weight Inclusive/Weight-Neutral Care, Interventions, & Approaches

			ght-loss approach for health pron 4-374. doi:10.1016/j.appet.2016.06	
versus weight-loss approach for health promotion in women with high BMI: A randomized-controlled trial Authors:	80 Female participants 30-45 years old Larger bodied Physically inactive based on he Stanford Brief Activity Survey Practicing birth control if capable of becoming pregnant Non-smokers Not participating in a veight-loss regimen Non-diabetic	- Experimental design - Participants were split into 2 cohorts, one which followed the weight- inclusive HUGS program (focus on internal hunger cues), the other followed the LEARN weight-loss program (focus on external motivation) Metrics assessed: cardio-metabolic fitness, psychological well-being, physical activity levels, dietary habits, fruit & vegetable intake, Intuitive Eating.	- Participants in the weight loss group reduced their body weight & BMI, but not their LDL cholesterol, during the intervention and maintained this for 24 months Participants in the weight-neutral group reduced their LDL cholesterol and maintained this for 24 months - Greater improvements in Intuitive Eating in the weight-neutral group; maintained for 24 months - "there were no instances where the weight-neutral program produced inferior outcomes relative to the	- Participants were women only, no inclusion of non-binary genders Deemed weight neutral, not inclusive, care - Small sample size - Predominantly white participants Funding: This work was supported by a grant from the Edna G. Kynett Memorial Foundation awarded to the first author.
management of			weight-loss program." ntion based on the Health at Every os One. 2018;13(7):e0198401. Pu	

Screening Questions Before beginning a nutrition assessment, conside asking your client or patient about their...

- Access to healthcare
- Relationship with food and their body
- History of eating disorders, dieting, and weight
- Access to safe food and the resources to store
- Desire to set health goals
- Past experiences with healthcare professionals
- Access to safe outdoor spaces to live and play in

Screening patients prior to beginning of patient-centered care. This will help appropriate to recommend.



Methods & Materials

- Researched Medical Nutrition Therapy (MNT) for oncology treatment
- Met with RDNs and educators to develop a slide deck template
- Incorporated social determinants of health into screening assessment
- Conducted a literature review of weight-bias and weight-inclusive care and interventions
- Developed an annotated bibliography with 50 unique references
- Designed a lesson plan, slide deck, ADIME case study, & discussion questions to teach MNT oncology

Conclusions

Weight bias can result in:

- Healthcare avoidance
- Eating disorders
- Weight cycling
- Depression
- Anxiety
- Low-self esteem
- Morbidity & mortality

This is especially harmful for historically oppressed individuals [4-6]

Downstream harms can be reduced through education about the harms of weight stigma, and through weight-inclusive practices.

References

- Mauldin K, May M, Clifford D. The consequences of a weight-centric approach to healthcare: A case for a paradigm shift in how clinicians address body weight [published online ahead of
- print, 2022 Jul 12]. Nutr Clin Pract. 2022;10.1002/ncp.10885. doi:10.1002/ncp.10885 Fikkan, J. L., & Rothblum, E. D. (2012). Is fat a feminist issue? Exploring the gendered nature of weight bias. Sex Roles: A Journal of Research, 66(9-10), 575-592.
- Mensinger JL, Tylka TL, Calamari ME. Mechanisms underlying weight status and healthcare avoidance in women: A study of weight stigma, body-related shame and guilt, and healthcare
- stress. Body Image. 2018;25:139-147. doi:10.1016/j.bodyim.2018.03.001 Puhl R, Brownell KD. Bias, discrimination, and obesity. Obes Res. 2001;9(12):788-805.
- Puhl RM, Heuer CA. The stigma of obesity: a review and update. Obesity (Silver Spring) 2009;17(5):941-964. doi:10.1038/oby.2008.636
- Phelan SM, Burgess DJ, Yeazel MW, Hellerstedt WL, Griffin JM, van Ryn M. Impact of weight bias and stigma on quality of care and outcomes for patients with obesity. Obes Rev. 2015;16(4):319-326. doi:10.1111/obr.12266
- 7. Mensinger JL, Calogero RM, Stranges S, Tylka TL. A weight-neutral versus weight-loss approach for health promotion in women with high BMI: A randomized-controlled trial. Appetite. 2016;105:364-374. doi:10.1016/j.appet.2016.06.006