

Psychosocial barriers to prenatal physical activity including weight stigma: Strategies for mitigating stigma in exercise consultation and promotion for pregnancy

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Land Acknowledgement

The University of Alberta acknowledges that we are located on Treaty 6 territory, and respect the histories, languages, and cultures of First Nations, Métis, Inuit, and all First Peoples of Canada, whose presence continues to enrich our vibrant community.















Learning Objectives

- 1. Define key terms: Weight stigma and weight bias
- 2. Understand how weight stigma may be a barrier to prenatal physical activity
- 3. List strategies you can implement now to reduce weight stigma in prenatal physical activity contexts







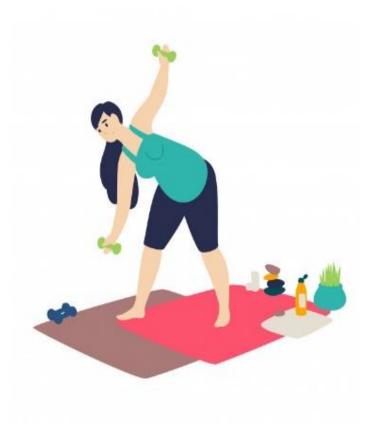








Physical activity during pregnancy



- Promotes maternal, fetal and neonatal health
- Prevention of perinatal complications
- Improved labour and delivery outcomes
- Downstream prevention of chronic disease

Regular physical activity

150 minutes per week

Aerobic activity and muscle strengthening

Davenport et al., 2018; Mottola et al., 2018; Australian Government Department of Health, 2021; WHO Guidelines on physical activity and sedentary behavior, 2021















Adherence to physical activity during pregnancy

Low adherence to prenatal physical activity guidelines





























Psychosocial barriers to prenatal physical activity

- Social factors and individual factors interacting
- Pregnant individuals with lower socioeconomic status and education levels are less likely to meet physical activity guidelines than higher income or educated groups
- Women from minority ethnic groups have lower physical activity levels than those who are from a European origin
- Pregnant individuals with higher body weight or obesity have low activity levels and are more likely to experience weight stigma



Gaston et al., 2011; Marquez et al., 2009; Tremblay et al., 2011; Incollingo Rodriguez et al., 2019











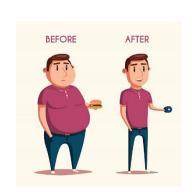




Weight stigma

- Labels and negative stereotypes associated with weight
- Associates negative personality traits with the individual
- 'Lazy', 'non-compliant', 'lacking self-control'
- Further projected in the media



















Weight stigma and physical activity

Weight Stigma: Negative social stereotypes and misconceptions associated with body weight

Weight stigma has been described as the driver of obesity

Stereotypes and Misconceptions Associated with Obesity

- Unhealthy
- Lazy
- Weak-willed
- Unsuccessful
- Lack self-discipline















Weight stigma and physical activity

Weight Stigma: Negative social stereotypes and misconceptions associated with body weight

- Non-pregnant adults who have obesity identify physical activity settings as a source of weight stigma
- Experiencing weight stigma reduces self-efficacy to be active
- Increases maladaptive coping behaviours like unhealthy eating and avoiding activity

















Weight stigma

Prevailing narrative for the cause of obesity:



Individually Responsible







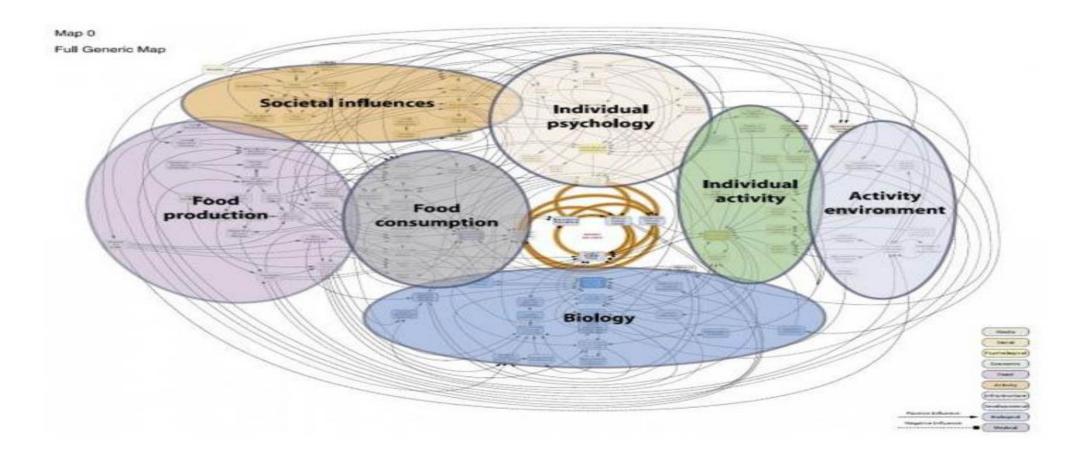








Obesity – Complex Map

















Weight bias

- Negative attitudes and views we hold towards weight
- Our biases may be informed by weight stigma
- Can be implicit bias
- Can lead to weight-based discrimination

https://obesitycanada.ca/weight-bias/











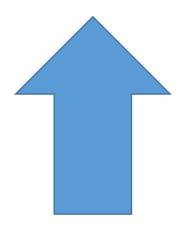






Experiencing weight bias & stigma

- Shame and guilt
 - → Impacts health behaviours



- Stress
- Maladaptive eating behaviours
- Physical inactivity









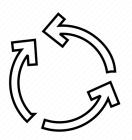






Experiencing weight bias & stigma

- Increases risk of experiencing internalized weight bias
- Accepts and self-directs negative sterotypes associated with their weight
- Impacts individuals living with obesity
- Associated with poor mental health outcomes and weight gain











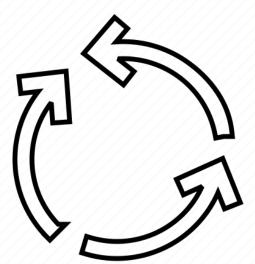






Internalized weight bias

- Self-blame
- Focuses obesity on individual responsibility
- Reduces motivation for weight motivation and compliance to health recommendations
- Driver of obesity

















Some stats...

- 63% higher likelihood to experience bullying if child has obesity
- 54% of adults who have obesity report stigma at work
- More than 70% of media representation of obesity (images and videos) use weight stigmatizing messaging
- 64% of patients who have obesity report experiencing weight bias from a healthcare provider
- Income status is associated with weight stigma and management of obesity including access to physical a

















Weight Stigma is Capturing Attention

Oscars: The Whale

Trailer: https://www.youtube.com/watch?v=nWiQodhMvz4

Roundtable: https://www.youtube.com/watch?v=-Ka4jLFrWVc

















Break





















Weight stigma and pregnancy



1/3

pregnant women experience weight-related stigma







 Pregnant individuals living with obesity are at an increased risk of experiencing weight stigmatizing situations

- Excessive gestational weight gain
- Postpartum depression
- Maladaptive eating
- Gestational diabetes

Incollingo Rodriguez et al., 2020; Nippert et al., 2021; Nagpal et al., 2022













Scoping Review: Causal factors of prenatal weight stigma in clinical settings

- 18 studies
- 1) Avoidance of weight-related discussions
- 2) Assuming lifestyle behaviours
- 3) Poor communication discussing risks

Review > Patient Educ Couns. 2020 Nov;103(11):2214-2223. doi: 10.1016/j.pec.2020.06.017. Epub 2020 Jul 2.

Summarizing recommendations to eliminate weight stigma in prenatal health care settings: A scoping review

Taniya S Nagpal ¹, Rebecca H Liu ², Laura Gaudet ³, Jocelynn L Cook ⁴, Kristi B Adamo ⁵















Interviews: Pregnant women living with obesity

- Interviewed Canadian pregnant women in their third trimester receiving high-risk obstetrical care for obesity and co-morbidities
- Wanted to understand experiences of weight bias during pregnancy and their suggestions on how to improve the delivery of prenatal care
- Coded data by content analysis: Experiences and Suggestions

















Interview Results:

Experiences of weight bias in prenatal clinical settings:

Poor communication about risk

Generalizations about lifestyle

Focusing only on weight















Weight stigma and physical activity in pregnancy

- Qualitative study exploring weight stigma in physical activity contexts
- Pregnant individuals with obesity (receiving specialized care for obesity) were recruited
- Semi-structured interviews









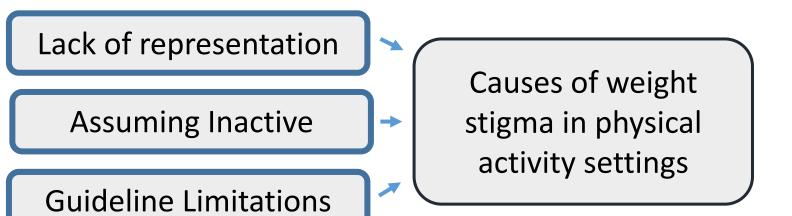








Weight stigma and physical activity in pregnancy

















Weight stigma and physical activity in pregnancy

- Pregnant individuals do experience weight stigma in relation to physical activity
- Weight stigma may be a barrier to adhering to guidelines
- Prospective studies with objective measures of physical activity and measurement of implications weight stigma may have on maternal and newborn health are needed





















But what do we do right now?

- What can you do now to prevent weight stigma in your delivery of care and services?
- How do we make physical activity more inclusive?
- First...let's ask the hard questions that force us to reflect on potential implicit biases

What does an active pregnancy look like? Are there pregnant body ideals?

https://www.youtube.com/watch?v=h8bwiQVUSEg

















Reducing weight stigma during pregnancy – What can we do in physical activity contexts?

- 1. Increase visibility of body diverse representation of active pregnancies
- 2. Take a person-oriented approach when consulting about exercise
- 3. Integrate opportunities to learn from lived experience
- 4. Self-reflect on implicit biases





















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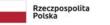
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Thank you

Questions?

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