Shifting Paradigms: Adopting a 'Health not Weight' Approach

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Presentation Overview

Contemplating the research:

- Exploring the "problem of obesity": Interpreting the research
- Diverging fields of obesity research
- Common findings: What we know
- Benefits of adopting a 'Health not Weight' approach
- 'Health not Weight' in the NL context

Exploring the "Problem" of Obesity Diverging fields of obesity research. Considering:

- 1. The relationship between obesity and health
- 2. Focus on stigma
- 3. Implementing an approach that "Does no Harm"

Diverging Fields of Obesity Research

Obesity as Disease

Obesity as Disease: SDH approach Leads to stigma Critical perspectives Obesity as a construct considering SDH

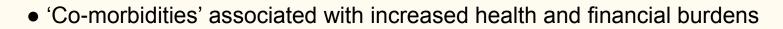
Leads to stigma

Obesity as Disease

• WHO (2000)- defined obesity as a chronic disease

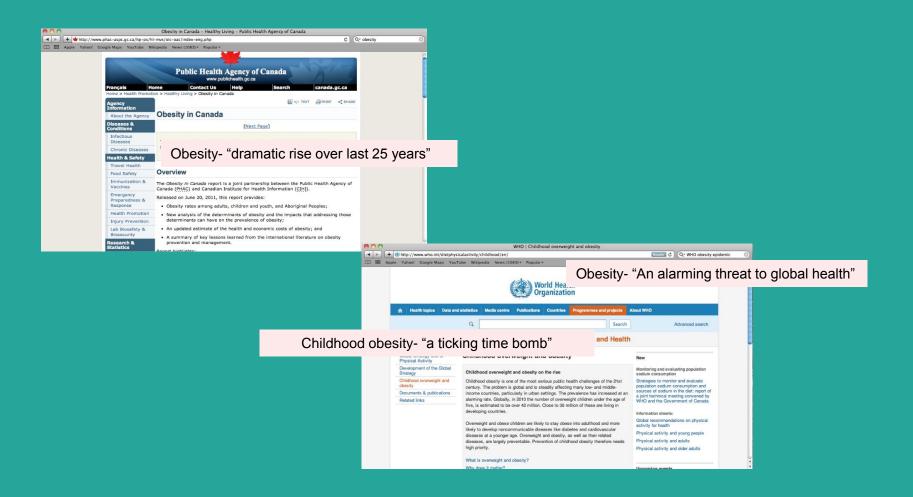
•Epidemic, Pandemic

- Utilize energy in/energy out model
- Resulting from individual behaviour



- Issues of mental health, lower academic achievement directly attributed to obesity
- Proposed solution: weight loss/treatment and prevention







Obesity as Disease

DIABETES CANADA

"A healthy lifestyle and weight can help prevent and/or manage diabetes; improve blood glucose (sugar), blood pressure, and blood lipids; reduce the risk of complications, such as heart attack and stroke; and improve general well-being and energy levels. Although many things can make managing weight a challenge, including stress, some medical conditions and certain medications, the key to reaching and staying at a healthy weight is to make positive lifestyle changes, including healthy eating (according to Canada's Food Guide), and adding exercise to your daily".

Canada ~ctivity Stroke is an important and brain health, is a challenging a positive attitude h it in the end".

Health

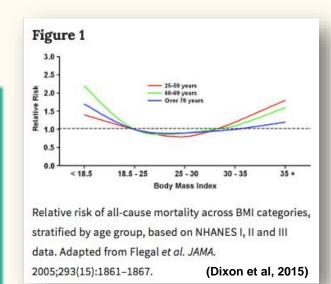
It is now beyond doubt that obesity is a pandemic disease that poses a great challenge to global health because it leads to many comorbidities affecting life expectancy.

(Bifulco, M., & Pisanti, S., 2013, p.4664)

However....Consider Life Expectancy and the 'Obesity Paradox'

- Increased risk of mortality- Underweight (BMI <18.5; (RR) = 1.73, P < 0.001) and obesity class II+ (BMI >35; RR = 1.36, P <0.05)
- Decreased risk of mortality- Overweight (BMI 25 to <30; (RR) = 0.83, P < 0.05)
- No increased risk of mortality for obesity class I (BMI 30–35; RR = 0.95, P >0.05).

(Orpana et al, 2010, Flegal et al, 2013)



• Optimal BMI for lowest mortality not a constant; varies with age, ethnicity and the presence of established disease

• Over 70 years of age appear to have an optimal BMI for mortality in the overweight and class I obese range

• Obesity Paradox

What we also know:

- Prevention and treatment have been consistently ineffective
- •Inconsistency in research:
- Measures/ criteria vary (behavioral, pharmacological, e-health)
- Treatments and approaches to prevention are not consistent
- Weight loss measures tend to be short-term
- Few long term measures, little success noted
- Issues with attrition have been noted
- Measures of harm are inconsistent- evidence of harm



Obesity as Disease: SDH approach

- Obesity causation influenced by the social determinants of health
 - Environment (obesogenic environment)
 - Genetics
 - Education
 - Social support
 - Socioeconomic status and.....
- Obesity results in stigma
- Proposed Solution: reduce obesity through policy, behavioral methods, address stigma

Obesity as Disease: SDH approach Leads to stigma

(Bryant, Hess, & Bowen, 2015; pont et al, 2017; Sacks, Swinburn, & Lawrence, 2009)

Policy?

Policies tend to focus on:

- Addressing energy inbalance
- Lifestyle
- Individual behaviour

that may help to advance the conversation

dialogue on the complex nature of obesity, it

does not immediately lead to discussion of

We recently developed a systems science

means of operationalizing systems thinking

framework (ILF) was adapted from Donella.

Meadows'15 list of 12 places to intervene in

complex systems. Meadows, a pioneering en-

the complexities of economic growth and en-

exclusive levels that retain all of the original

ideas but allow for the sorting of content in

a reproducible fashion. These levels account

for system operation at the levels of paradigm,

goals, system structure, feedback and delays,

toward solutions. The intervention-level

about what actions need to be taken.

Systems Science and Obesity Policy: A Novel Framework for Analyzing and Rethinking Population-Level Planning

Lee M. Jonnston, MA, MPH, Carrie L. Matteson, PhD, and Diane T. Finegood, PhD

Obesity is widely recognized as a complex problem emerging from a system composed of many diverse, interacting variables.113 Several factors make the obesity system difficult to shift, including but not limited to the presence of feedback loops and delays; an abundance of nonlinear, overlapping interdependencies, and the heterogeneity of individuals and organizations.14 Policymakers and planners have responded to the obesity epidemic by producing a large number of frameworks, strategies, and action plans. Although past efforts have been criticized for emphasizing individual lifestyle change as the solution. 1.8 recent efforts have embraced socioecological models of intervention, emphasizing the obesogenic environment and its impact on individual weight gain.37 The many options available to policymakers have the potential to result in what Lang and Rayner styles termed a 'policy cacophony" of noise drowning out effort.

Efforts to shift the systems that support the emergence of chronic disease and obesity are starting to benefit from a focused effort to apply systems science," as has been done with other pressing public health issues such as tobacco." Obesity, tied up with difficult ideological and political questions regarding responsibility and stigma,⁸³⁻⁴³ is a particularly wicked social problem for which reductionist science may be less helpful. Systems science can complement socioecological models of health promotion by examining not just the causes of obesity but also interactions across its contributing subsystems.¹⁴ The L'K government's Foresight program contributed to the perception of obesity as a complex problem with the development of an obesity system map highlighting the diversity of resulted when simple solutions were applied to factors involved in subsystems such as food production and consumption, individual physical activity and the physical activity environment, social and individual psychology, and physiology.4 The heuristic value of the Foresight map in demonstrating the complexity of obesity and the interdependencies between the system's

Objectives. We demonstrate the use of a systems-based framework to assess solutions to complex health problems such as obesity.

Methods. We coded 12 documents published between 2004 and 2013 aimed at influencing obesity planning for complex systems design (9 reports from US and Canadian governmental or health authorities, 1 Cochrane review, and 2 Institute of Medicine reports). We sorted data using the intervention-level framework (ILF), a novel solutions-oriented approach to complex problems. An in-depth comparison of 3 documents provides further insight into complexity and systems design in obesity policy.

Results. The majority of strategies focused mainly on changing the determinants of energy imbalance (food intake and physical activity). ILF analysis brings to the surface actions aimed at higher levels of system function and points to a need for more innovative policy design. Conclusions. Although many policymakers advnowledge obesity as a complex

problem, many strategies stem from the paradigm of individual choice and are limited in scope. The ILF provides a template to encourage natural systems thinking and more strategic policy design grounded in complexity science. (Am J Public Health. 2014;104: 1270-1278. doi:10.2106/AJPH.2014.301884)

variables is an example of a systems science tool and structural elements. To date, the ILF has been used in framework analyses of content concerning actions to improve food systems, Although the Foresight map helps to focus wherein it was useful in elucidating points of conflict and convergence to make them more healthy, green, fair, and affordable."

solutions appropriate for this complex problem. In this article, we explore the application of the ILF to the obesity system by analyzing recent framework that may be a useful and accessible strategies and reports aimed at influencing policy and planning. Our interest was in developing a deeper, more integrated understanding of how best to act in addressing the complex problem of obesity. Using a systems lens, we sought to advance our understanding of the various system vironmental scientist, spent decades analyzing levels and the specific interventions required to support large-scale change. We also sought to vironmental sustainability, and she grew frusfurther the application of systems-based frameworks in the analysis of complex health problems trated with the unintended consequences that in a manner accessible to public health practitioners and policymakers lacking expertise in complex problems. We collapsed the original systems science methodologies. 12 points of intervention into 5 more mutually

METHODS

We located obesity strategies and policy documents developed by and for North ormal of Public Health | July 2014, Vol 104, No.

1270 | Research and Practice | Peer Reviewed | John

Obesity as Disease: SDH approach

Canadian Obesity Network

"Obesity is a chronic and often progressive condition"





Re-thinking Prior Conclusions

- Questioning the causal relationship between obesity and chronic disease
- The environment as true cause of much chronic disease, rather than obesity *per se*
- Recommend a policy-based approach to address common causes of biological and ecological 'disease'

(Egger & Dixon, 2009)

obesity reviews

Viewpoint

Should obesity be the main game? Or do we need an environmental makeover to combat the inflammatory and chronic disease epidemics?

G. Egger' and J. Dixon?

Received 11 Ane 2008 revised 19 October 2008, acception 21 October 2008

Address for conexpondence: G Eggar Hearty and Applied Spences, Southern Cross University Australia and Denire for Health Promotion and Research, Sydney PO Box 3/3 Faright NSR Appraia 200 E-mail competermel.com.a.

Summary

There is a link between obevery and chronic disease. However, the causal relation-Alansa Donsy lessers ar Deserved inflammation, which is inked to darage det lifetyte induces that may not necessarily cause obesity (poor due, inadequate sierp, smoking, etc.) can independentity cause inflamination and consequent disease. It is proposed here that it is the environment driving modern lifestyles, which is the mut cause of much chronic doease, rather than obesity per se, and that obesity may be a marker of environmental derangement, rather than the primary cause of the problem. Attempts to clinically manage obeairy alone on a large scale are therefore unlikely to be successful at the population level without significant lifestyle or environmental change. Environmental factors influencing obesity and health have now also been implicated m ecological perturbations such as climate change, through the shift to positive energy balance in humans caused by the exponential use of fossil fuels in such areas as transport, and consequent rises in carbon emissions into the atmosphere. It is proposed therefore that a more policy-based approach to dealing with obesity, which attacks the common causes of both hological and ecological 'dis-ease', could have positive effects on both chronic disease and environmental problems. A piez is thus made for a greater health input into discussions on environmental regulation for chronic disease control, as well as climate change

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Keywords: environment, inflammation, obesity

obesity reviews (2009) 10, 237-249

Introduction

Obesity is collateral damage in the battle for modernity. It is the burden many of us bear as a result of our inability, or cant links to metabolic and other disorders (4). On the unwillingness, to adjust to the energy surpluses emanating other hand, a clear link has been established between from economic advancement. A causal association between obesity and a wide range of diseases has been well documented (1). However, recent findings suggest a more complicated aetiological role than just a simple weight-disease association (2). Dependent largely on the site of fat storage, which is associated with a range of chronic diseases (5.6).

obesity can be relatively benign, with little negative impact on physical health (3) (although admittedly with an often significant psychological effect), or metabolic, with significertain lifestyle factors (aspects of nutrition, inactivity, madequate sleep, stress, depression, excessive alcohol intake, smoking), which sometimes, but not always, lead to obesity, and a type of low-grade systemic inflamination (5),

Journal compliation © 2008 international Association for the Study of Obesity obesity reviews 10 207-249

Phrase of the week 'as clear as mud'

Meaning: Very difficult to understand. Example: "Do you understand all that?" "No, there's too much information. It's as clear as mud to me!" Cambridge Englis/

Critical Perspectives

- Including: Critical Obesity Scholarship, Fat Studies, Critical Public Health
- Obesity as a Social Construction
- The 'science of obesity' is not without moral and ideological bias
- Conflation of obesity/disease and thinness/health contributes stigma
- Presence of obesity discourse in research, health and education, and policy documents reinforcing stigma and weight bias

Critical perspectives Obesity as a construct: Leads to stigma

Weight Stigma and Bias

Weight Stigma:

When body size, particularly weight that is higher than "normal", is devalued in a social context.

(Puhl & Brownell, 2006)

Weight Bias:

Negative attitudes about weight that often result in false and negative stereotypes that lead to the unequal, or unfair treatment of people because of weight.

(Puhl & Heuer, 2009)



Factors Contributing to Weight Bias

•Health Promotion Campaigns





Discourses Contributing to Weight Bias

•Obesity Discourses:

ofocus on weight over health

 \circ construct obesity as disease

oreinforce judgement based upon weight

opromote the valuing of thinness

HEALTH RULES YOU CAN IGNORE FAT dach URN 600

osupport societal messages that obesity is the mark of a defective person

portray obesity in negative ways through media, health promotion policy/campaigns

(Lebesco, 2011; Rail, Holmes & Murray, 2010; Ward, Beausoleil & Heath, 2017; Wright, 2009; Wright & Halse, 2014)

What are people telling us?

•Adopting Common Constructions of health

- People take up the notion of health=thinness
- Adopt a fat identity
- Increase in body dissatisfaction leads to unhealthy dieting practices
- •Experiencing stigma
- •We understand the health 'rules'
- •Resistance: "I am healthy"



Why Shift to a 'Health not Weight' Approach?

- •Obesity treatment/prevention is ineffective
- •Obesity discourses are causing harm, leading to fear of fat
- Fitness may be more predictive of fatness
- •Focus on weight \rightarrow increased body dissatisfaction + lower self esteem
- •Body Dissatisfaction \rightarrow lower physical activity, unhealthy behaviors, Weight gain

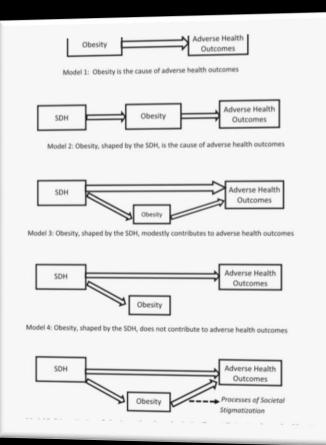
Technical Report:

From Weight to Well-Being: Time for a Shift in Paradigms?

A discussion paper on the inter-relationships among obesity, overweight, weight bias and mental well-being

"[M]ounting evidence has linked many current obesity reduction approaches with harm to mental and physical health and well-being. Facile "energy in = energy out" equations, that ignore mental health and wellbeing and the broad socio-environmental determinants of health that powerfully influence individual behaviours, can result in unintended negative consequences, particularly weightbias." (BC Provincial Health Services Authority, 2013, p. 9). Adopting a 'health not weight' approach

Models of Obesity and Health Outcomes by: Medvedyuk, Ahmednur, & Raphael (2017)



•(Medvedyuk, Ahmednur, & Raphael, 2017)

What Does this Shift Mean for Practice?

- Recognizing that all people are influenced by SDH
- Chronic Disease affects the entire population
- Weight no longer viewed as the primary determinant-Complex
- A shift to a supportive 'positive' health promotion/safe spaces for all
- Working with educators and health professionals to address weight bias
- Consider new criteria/indicators of health



"This really is an innovative approach, but I'm afraid we can't consider it. It's never been done before."

New York Times

Locally: 'Health not Weight' Collaborative

Members

Bernadette Doyle-Follett

Tracy English

Anne Wareham

Pam Ward

Erin Cameron

Erin McGowan

Holly Foley

Lori Robbins

Sarah Nutter

Carolyn Taylor

Organizations

Policy

•Eastern Health

Practice

Janeway Lifestyle ProgramEating Disorder Foundation of NL

•Body Diversity NL

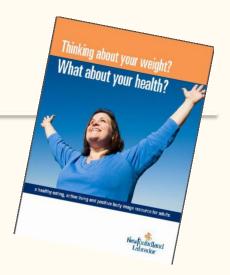
•Health Innovation through Promotion & Practice Collaborative

Research

MUN-Human Kinetics and Recreation
MUN- Medicine: Community Health & Humanities
Centre for Nursing Studies



- •WHO growth charts -focus on growth over time
- •Thinking about your Weight? What about your Health?
- •Creating awareness in Eastern Health region:
 - 1. Promoting Health Not Weight presentations
 - 2. Promoting Health, Not Weight Public Health Nurse working group
 - 3. Community requests





Body Diversity NL (formerly Body Image Network)

- Toolkit
- •Presentations to provincial government on health positive messaging and removing "obesity" from government documents
- •Review and revise health curriculum
- •Safe and Caring Schools
- •New website under construction
- Student involvement

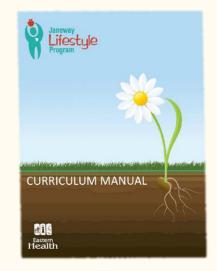


Janeway Lifestyle Program

•Good Health for EveryBODY program (GHEB)

•Health Behaviour Matters, including office checklist and how to talk about weight <u>www.Easternhealth.ca/jlp</u>

•Clinical program (local and provincial)



Eating Disorder Foundation of NL

 \circ BodySense

•The Body Project





Research

- •Relevant Projects:
- Childhood Obesity Treatment Program
- Female Reproductive health
- The Body Project
- Nursing Practice

- Bariatric Surgery
- Aging
- 5A's Medical Education

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