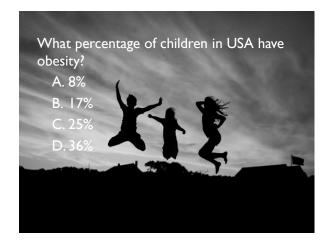


I have no financial disclosures

Objectives

- Review the new pediatric BMI growth curves and <u>recognize</u> their utility in assessing a child who is obese.
- 2. Reflect on the stigma your patients who are obese may have experienced.
- 3. <u>Suggest</u> practical ways you can overcome stigma in your practice.

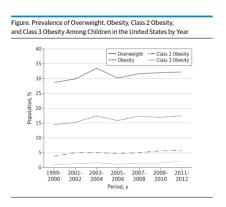












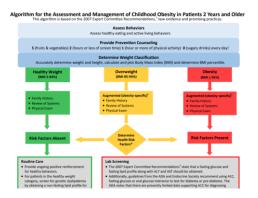
Skinner AC, Skelton JA. Prevalence and trends in obesity and severe obesity among children in the United States, 1999-2012. JAMA Pediatr. 2014;168 (6):561-566

Impact

- · Mental Health
 - Teasing
 - Bullying
- Asthma
- Obstructive Sleep Apnea
- · Orthopedic problems
- CV (high blood pressure)
- Metabolic
 - Lipids, insulin resistance
- · Adulthood morbidity







Barlow S, Expert Committee. Expert committee recommendations regarding prevention, assessment, and treatment of child and adolescen overweight and obesity: Summary report. Pediatrics. 2007; 120(4): S164-S192 CLINICAL REPORT Guidance for the Clinician in Rendering Pediatric Care



The Role of the Pediatrician in Primary Prevention of Obesity

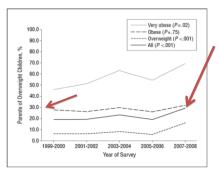
Stephen R. Daniels, MD, PhD, FAAP, Sandra G. Hassink, MD, FAAP, COMMITTEE ON NUTRITIO

The adoption of healthful lifestyles by individuals and families can result in a reduction in many chronic diseases and conditions of which obesity is the most prevalent. Debetyl prevention, in addition to treatment, is an important public health priority. This clinical report describes the rationale for

act



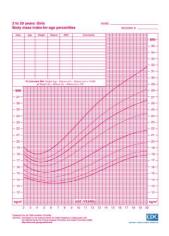


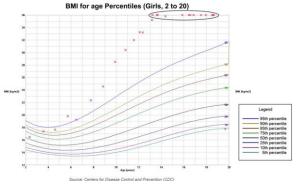


Perrin, EM, Skinner AC, Steiner MJ " Parental Recall of Doctor Communication of Weight Status": national trends from 1999 throug 2008" Arch Pediotr Adolesc Med. 2012: 166 (4): 317-322



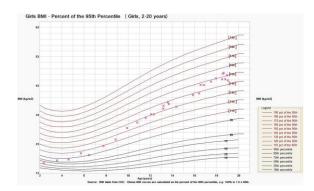
"I'm right there in the room, and no one even acknowledges me."







Gulati, Alka. David Kaplan. Stephen R Daniels. Clinical Tracking of Severely Obese Children: A new growth chart. Pediatrics Dec 2012. volume 130. issue 6



Gulati, Alka. David Kaplan. Stephen R Daniels. Clinical Tracking of Severely Obese Children: A new growth chart. Pediatrics Dec 2012. volume 130. issue 6

Definitions

- New BMI Curves
 - Percent of the 95%
- Definitions of obesity
 - Class 1:95-120
 - Class 2: 120-140
 - Class 3: 140 +

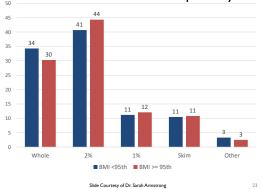
Epic

- · ASK your epic representative if an upgrade of the 2017 update is available.
- · Won't automatically be updated, need to pick and choose it out of list.
- The nova note # is: 489868 "Extended BMI growth charts for severely obese children"
- · TBD: color coded BMI charts

Nutrition Tip



Results: Current milk consumption by BMI



Nutrition Tip: Milk



Prior Studies

Skim and 1 % milk	Whole fat
Associated with weight gain (coldiz et al, Archives, 2005)	Lower BMI at age 2 years no difference at 3 years (Gillman et al, J Am Diet Assn, 2010)
Higher BMI (Vanderhout et al, Am J Clin Nutr. 2016)	Lower obesity (DeBoer et al, Archives of Pediatrics 2013)
	Inversely associated with obesity (Benatar et al, PLOS One, 2013)

Adapted from slide courtesy Dr. Sarah Armstron



What is stigma?

 A person who is stigmatized has 'some attribute, or characteristic, that conveys a social identity that is devalued in some particular social context'



Handbook of Social Psychology. 4th edn, Vol. 2. McGraw-Hill: Boston, 1998, pp 504–553

Weight Stigma's Pervasiveness

- Evidence of weight bias in:
 - Employment (lower wages, less likely to be hired)
 - Health care
 (Schwartz et al., 2003; Teachman & Brownell, 2001; Puhl & King, 2013; Phelan et al., 2013; Puhl et al., 2013)
 - Education
 - Family, co-workers, teachers
 - Peers

(Puhl & Brownell, 2003; Puhl & King, 2013; Puhl & Heuer, 2011)



Slide courtesy of Dr. Eliana Perrin

Methods













Side courtesy of Dr. Eliana Perrin Reference:Throop EM, Skinner AC, Perrin AJ, Steiner MJ, Odulana A, Perrin EH, Pass the poporom'obesogenic' behaviors and stigma in children's movies. Obesity (Silver Spring). 2014;22:1694-1700

Results

- Lots of unhealthy behaviors
- Stigma about body size
 - Weight-related stigma in 80% of movies and 25% of 10-minute segments!
 - Stigma almost always related to overweight (94%) rather than underweight
- More segments considered unhealthy (33%) than healthy (17%)



Slide courtesy of Dr. Eliana Perrin

Stigma



Implicit Weight Bias in Children Age 9 to 11 Years

Asheley Cockrell Skinner, PhD,** Keith Payne, PhD,* Andrew J. Perrin, PhD,* Abigail T. Panter, PhD,* Janna B. Howard MPH,* Anna Bardone-Cone, PhD,* Cynthia M. Bulik, PhD,*4: Michael J. Steiner, MD, MPH,* Eliana M. Perrin, MD, MPH*

OBJECTIVES: Assess implicit weight bias in children 9 to 11 years old.

susernse. Assess implicit weight bias in children 9 to 11 years old.

urmon Implicit weight bias was measured in children ages 9 to 11 (*) = 114) by using the Affect Mistartribution Procedure. Participants were shown a test image of a child for \$50 milliseconds followed by a meaningless fractal [200 milliseconds, 100 milliseconds, 100 milliseconds, 100 milliseconds, 100 milliseconds followed by a meaningless fractal [200 milliseconds, 100 milliseconds, 1

Conclusions: Implicit bias toward overweight individuals is evident in children aged 9 to 11 years with a magnitude of implicit bias (5.4%) similar to that in studies of implicit racial bias among adults.





Stigma: Awareness

What role do you play?
 How can you help?

Weight Stigma Is Common In Healthcare

Source of Weight Bias	Ever Experienced	Experienced Multiple Times
Family members	72	62
Doctors	69	52
Classmates	64	56
Sales clerks	60	47
Coworkers	54	38
Spouse	47	32
Restaurant servers	47	35
Nurses	46	34
Employer	43	26
Dietitians	37	26
Sister/Brother	37	28
Teachers	32	21
Mental health professionals	21	13

Slide courtesy of Dr. Scott Kahan

Stigma: Awareness



Stigma: Attention

- How can you not make things worse?
- · Primum non nocere



Bias and Stigma Cause Harm

- Less time spent in appointments
- Less intervention
- Less likely to receive preventive health services and exams, cancer screenings, pelvic exams, mammograms
- Missed diagnoses

Bacquier et al., 2005; Bertakis & Azari, 2005; Campbell et al., 2000; Galuska et al., 1999; Hebl & Xu, 200 Kristeller & Hoerr, 1997; Price et al., 1987; Adams et al., 1993; Drury & Louis, 2002; Fontaine et al., 1990 Olson et al., 1994. Ostbre et al., 2005; Wee et al., 2000; Meldrich & Hackley, 2010.

Slide courtesy of Dr. Scott Kahan

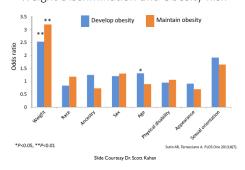
And Doesn't Help Address Obesity

- Impaired weight loss efforts
 - Higher calorie intake, higher program attrition, less weight loss
- Maladaptive eating behaviors
 - Binge eating, crash dieting, emotional eating
- · Avoidance of physical activity
- Lower motivation for exercise

Schvey, 2011; Carels, 2009; Wott, 2010; Durso, 2012; Elsenberg, 2011; Halner 2006; Neumark-Stainer, 2002; Puhl, 2006; Puhl, 2011; Puhl, 2007; Bauer, 2004; Faith, 2002; Matthews, 2005; Schwimmer, 2003; Storto, 2006; Schmalt 2010; September 2009; Matthews, 2005; Schwimmer, 2003; Matthews, 2005; Matthews

Slide courtesy of Dr. Scott Kahan

Weight Discrimination and Obesity Risk

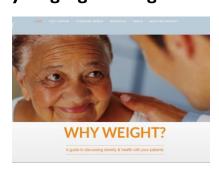








Whyweightguide.org



Obesityaction.org



AAP Resources



AAP Resources



https://ihcw.aap.org/resources/Pages/default.aspx

Objectives

- Review the new pediatric BMI growth curves and recognize their utility in assessing a child who is obese.
- 2. Reflect on the stigma your patients who are obese may have experienced.
- 3. <u>Suggest</u> practical ways you can overcome stigma in your practice.



