

What you Need to Know About Eating Disorders

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Agenda

- Review of types of Eating Disorders
 - Assessment and warning signs
- Neurobiology of eating disorders
 - Symptoms and Causes
- Treatment for Eating Disorders
 - Referrals and community resources

Truth 1

Eating Disorders affect people of all genders, ages, races, ethnicities, body shapes, weights, sexual orientations, and socioeconomic statuses.

Prevalence

- General population about 1-4%
- Majority are women
- About 10% of people with anorexia and bulimia are male
- Primary risk is from puberty through 20s.
- Mortality rates are as high as 10%
 - Cardiovascular
 - Electrolyte abnormalities
 - Suicide

Pandemic and Eating Disorders



From: Association of the COVID-19 Pandemic With Adolescent and Young Adult Eating Disorder Care Volume

JAMA Pediatr. 2022;176(12):1225-1232. doi:10.1001/jamapediatrics.2022.4346



Figure Legend:

Aggregate Outpatient New Eating Disorder Assessments Across 14 Sites Before and After Onset of the COVID-19 Pandemic

Pandemic and Eating Disorders



From: Medical Admissions Among Adolescents With Eating Disorders During the COVID-19 Pandemic

Pediatrics. 2021;148(4). doi:10.1542/peds.2021-052201

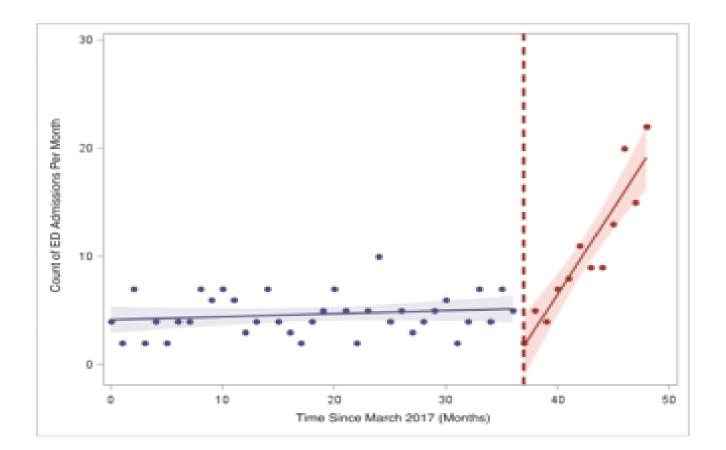


Figure Legend:

Date of Download: 1/30/2023

Interrupted time series analysis of monthly counts of ED-related admissions, March 1, 2017, through March 31, 2021. Solid line represents slopes; shaded areas represent 95% CIs for slopes; and dashed line represents onset of COVID-19 pandemic.

THE BEST-KNOWN ENVIRONMENTAL CONTRIBUTOR TO THE DEVELOPMENT OF AN EATING DISORDER IS THE SOCIO-CULTURAL IDEALIZATION OF THINNESS:1

BY THE AGE OF 6, girls especially start to express concerns about their own weight or shape.²



Of elementary school girls (ages 6-12)

40-60%

are concerned about their weight or about becoming too fat.² Of American elementary school girls who read magazines,



69% SAY that the pictures influence their concept of the ideal body shape.4



47% SAY the pictures make them want to lose weight.4

Truth 2

Many people with eating disorders look healthy, yet may be extremely ill.



Types of Eating Disorders



- Anorexia Nervosa
- Orthorexia*
- ARFID

- Bulimia Nervosa
- Binge Eating Disorder (BED)
- Other specified feeding and eating disorder

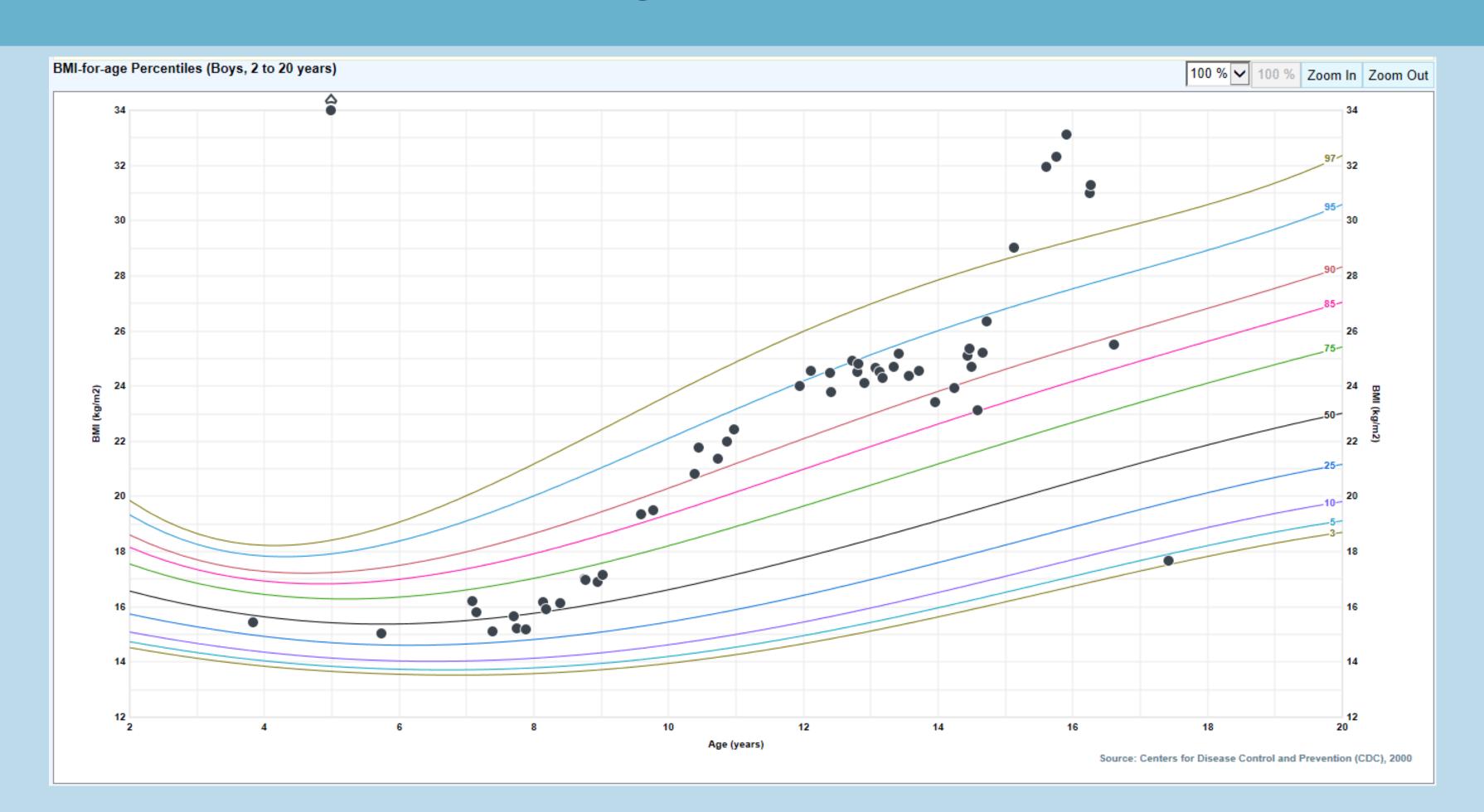
Anorexia Nervosa

- A. Relative restriction of energy intake; relative to requirements leading to a markedly low body weight in the context of age, sex, developmental trajectory, and physical health.
- B. Intense fear of gaining weight or becoming fat, even though underweight OR persistent behaviors that prevent weight gain, even though at a significantly low weight.
- C. Disturbance in the way in which one's body weight or shape is experienced, <u>undue</u> <u>influence of body weight or shape</u> on self-evaluation, OR <u>persistent lack of recognition of the seriousness of the current low body weight.</u>

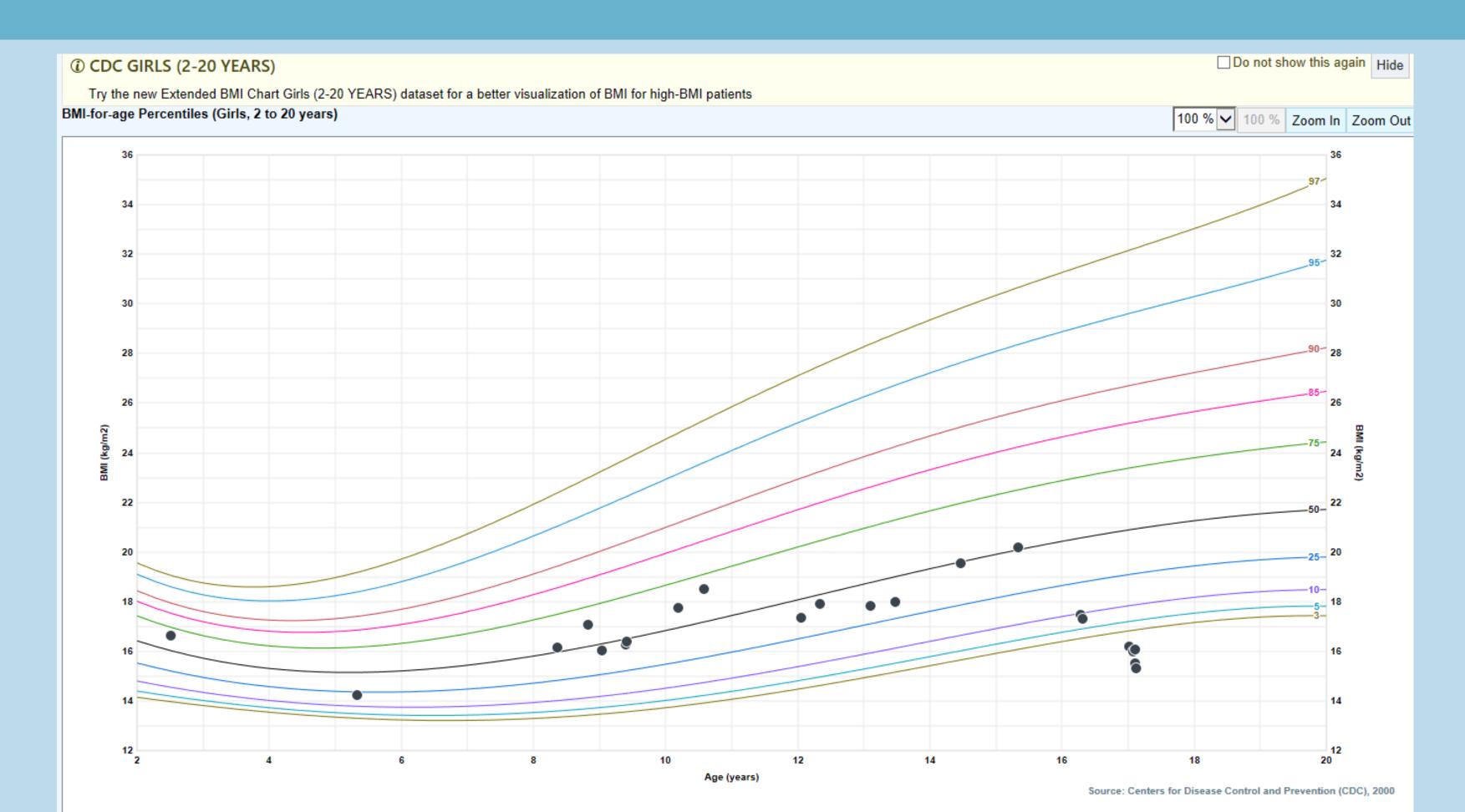
Subtypes:

- Restricting (AN-R)
- Binge eating/purging (AN-BP)

goals



goals



Bulimia Nervosa

- A. Binging- Recurrent episodes of binge eating including both:
 - Eating an amount of food that is larger than most people would eat during a similar period of time and under similar circumstances
 - A sense of lack of control over eating during the episode
- B. Purging- Recurrent inappropriate compensatory behavior
 - Self-induced vomiting
 - Misuse of laxatives, diuretics, enemas, or other medications
 - Fasting
 - Excessive exercise
- C. The binge eating and purging both occur at least once a week for 3 months.
- D. Self evaluation is unduly influenced by body shape and weight.

Truth 3

An eating disorder is a health crisis that disrupts personal and family functioning

ARFID

Avoidant Restrictive Food Intake Disorder





ARFID

Avoidant Restrictive Food Intake Disorder

- An eating or feeding disturbance as manifested by persistent failure to meet appropriate nutritional and/or energy needs associated with one or more of the following:
- Significant weight loss (or failure to achieve expected weight gain or faltering growth in children).
- Significant nutritional deficiency.
- Dependence on enteral feeding or oral nutritional supplements.
- Marked interference with psychosocial functioning.

Three types of "picky" eaters:

- 1.) Limited palate
- 2.) Low hunger cues
- 3.) Food/eating phobias

Orthorexia

Obsession with eating "pure, perfect, and/or clean"





Orthorexia

Obsession with eating "pure, perfect, and/or clean"

- Not officially a diagnosis
- Differs from "healthy" eating in due to impairment in functioning
- Neglect other areas of life
- Inordinate amount of time thinking about food, excessive guilt/compensatory behavior if "imperfect"

Truth 4

Eating disorders carry an increased risk for both suicide and medical complications

Medical Complications

Cognitive Changes

- Volume loss
- Mood changes
- Concentration difficulties

Cardiovascular

- Abnormally slow heartrate
- Irregular rhythm
- Low blood pressure

Renal (Kidney)

- Dehydration
- Kidney injury or failure

Gastrointestinal

- Constipation, Diarrhea
- Slowed motility

Musculoskeletal

- Muscle wasting and weakness
- Changes to bone density
- Growth stunting

Endocrine

- Loss of period
- Cold intolerance
- Growth of extra fine downy hair

How EDs May Present

Physical symptoms reflect degree of malnutrition

- Loss of menses
- Stomach pain/Constipation
- Fatigue
- Cold intolerance
- Light-headedness, fainting
- Emotional changes/cognitive blunting
- Other psychiatric symptoms <u>may appear</u> primary



Warning Signs AN





- Rigid, restricted eating patterns
- Food rituals
- Avoidance of social situations involving food; avoidance of eating in public
- Excessive, compulsive exercise
- Excessive, compulsive working or studying
- Excessive water drinking
- Guilt/shame after eating or pride after restricting

Medical Complications of Bulimia

- Electrolyte imbalances that can lead to irregular
 - heartbeat and seizures
- Edema/swelling
- Dehydration
- Vitamin and mineral deficiencies
- Gastrointestinal problems
- Chronic irregular bowel movements and constipation
- Inflammation and possible rupture of the esophagus
- Chronic kidney problems/failure
- Tooth decay



Warning Signs of BN



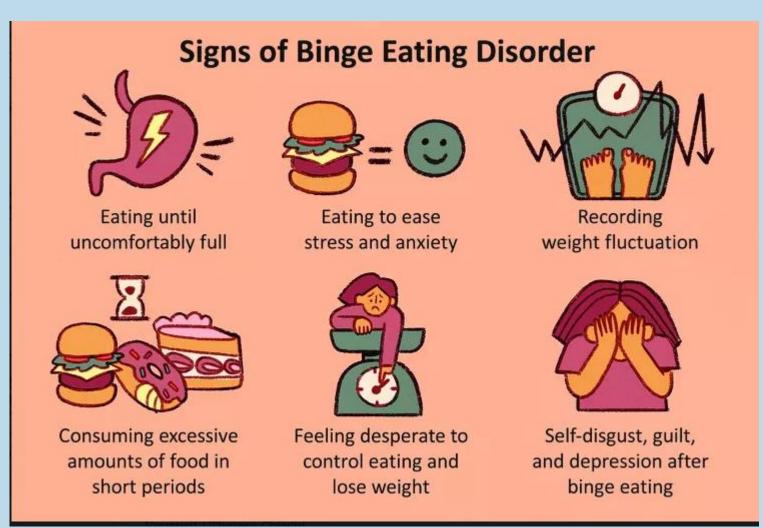
- Secretive eating
- Refusal to eat with friends
- Disappearance to the bathroom after meals
- Ability to eat large amount of food without weight gain
- Compulsive exercise
- Emotion dysregulation
- Swollen parotid glands
- Marks on knuckles/hands
- Guilt/shame after eating or pride after restricting

Binge Eating Disorder

- Recurrent episodes of binge eating characterized by BOTH of the following:
 - Eating in a discrete amount of time (within a 2 hour period) large amounts of food
 - Sense of lack of control
- The binge eating episodes are associated with three or more of the following:
 - Eating much more rapidly than normal
 - Eating until feeling uncomfortably full
 - Eating large amounts of food when not feeling physically hungry
 - Eating alone because of feeling embarrassed by how much one is eating
 - Feeling disgusted with oneself, depressed, or very guilty afterward

Medical Complications of BED

- Similar to complications of obesity
- High cholesterol
- Hypertension
- Fatty liver
- Diabetes
- Gl distress
- Ruptured stomach, creating a life-threatening emergency
- Fullness at bedtime can create difficulties falling or staying asleep
- Increased risk of sleep apnea



Is it an eating disorder?

- Thoughts
 - Monopolized by food and/or body
- Behaviors
 - Want to stop but can't
 - Harmful to your health and/or functioning
- Functioning
 - o Occupational/academic
 - Social
 - Athletic



Common Truth 5

Environment and GENES play important roles in the development of eating disorders.

Powerful Neurobiology

- Family studies (Kendler, 1991; Walters 1995; Lilenfeld, 1998; Strober, 2000)
 - Increased rate of AN, BN, ED NOS in first degree relatives
- Twin studies Approximately 50 to 80% heritable ris(Kendler, 1991; Treasure 1994; Berrettini, 2000; Bulik, 2006)
 - Genes more powerful than culture
- Genes cause childhood (pre-morbid) behaviors (Anderluch 2003; Stice 2002; Lilenfeld 2006; Kaye 2009)
 - Anxiety, perfectionism, inhibition, compliance, obsessive personality, drive for achievement

Starvation Study

- Minnesota Starvation Study (1950)
 - 36 health men
 - 3-month observation, 6 months restricted intake
- Dramatic increase in food preoccupation
- Emotional / personality changes
- Social changes
- Cognitive Changes
- Physical Changes

Truth 6

Eating disorders are not choices, but serious biologically influenced illnesses



Temperament Traits

Great Students! Great Athletes!

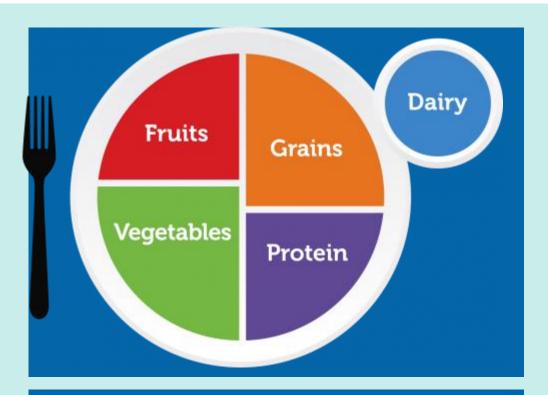
- Achievement oriented; pursuit of excellence
- Sensitive to consequences = high compliance;
 very teachable/coachable, people pleasing
- Altered interoceptive awareness = denial of discomfort; performance despite pain
- Intense volume and level of exercise;
 commitment to training
- · High attention to detail; high error detection rate

Truth 7

Families are not to blame, and can be the patients' and providers' best allies in treatment

Prevention

- Modeling balanced eating
 - Avoid fad diets,
 elimination diets, etc.
 - Avoid labeling foods as "good" vs "bad"
 - Family meals
- Establish healthy habits





Prevention



- Discuss media messages
 Promote a healthy body image
 - Healthy body shapes vary
- Foster self-esteem
 - Avoid negative body talk
 - Weight neutral approach





Bullying

- 65% of people with eating disorders say bullying contributed to their condition.
- Children in higher weight bodies are more likely to be teased
 - weight shaming should be part of antibullying discussions
- Can lead to increased binge eating, weight gain or extreme weight control behaviors

PREVALENCE OF WEIGHT-BASED TEASING



are teased about their weight by peers or family members.5

THE DANGERS OF WEIGHT-BASED TEASING AND DIET TALK

Weight teasing predicts:5



binge eating



weight gain



extreme weight control measures

If you are concerned...



- Start with a medical evaluation by a physician
 - ER versus PCP
- Consider treatment options
 - Levels of care
- Support and encourage the child/teen
 - Validate their experience, not the eating disorder

Levels of Care

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Inpatient
          Residential
                   10-hour PHP
                            6-hour PHP
                                        IOP 5-day
                                                 IOP 3-day
                                                             Outpatient
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Truth 8

Full recovery from an eating disorder is possible. Early detection and intervention are important.

Resources

- National Eating Disorder Association
 - Educational materials for families, Helpline chat to identify treatment and provide support

https://www.nationaleatingdisorders.org

Eating Disorders Hope

https://www.eatingdisorderhope.com

- Treatment centers by state, educational materials
- ANAD

https://anad.org/

- Eating disorder helpline to identify centers, resources for families including support groups
- FEAST

https://www.feast-ed.org/

Evidenced based educational materials and resources for parents



Thank you

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