

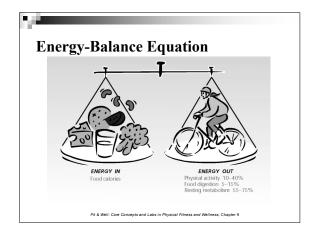
### Health Risks of Excessive Fat

- Impaired cardiac function
- Hypertension, stroke, and deep vein thrombosis
- Increased insulin resistance in children and adults and type 2 diabetes (80% of these patients are overweight)
- Renal disease
- Sleep apnea
- Osteoarthritis, degenerative joint disease, gout
- Endometrial, prostrate. breast, colon cancers
- Abnormal plasma lipid and lipoprotein levels
- Menstrual irregularities
- Gallbladder disease
- Enormous psychological burden and social stigmatization and discrimination

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From a public health standpoint, obesity poses a significant societal burden

Almost 60 billion dollars is spent annually related to adverse health consequences of obesity



Activity Level and Risk of Obesity	
Data from Hu, F. B., et al. 2003. Television watching and other adventary behaviors in relation to risk of obesity and type 2 diabetes neithbut in women. Journal of the American Medical Association 280(14), 1786–1791.  Fit & Well: Core Connects and Labet in Physical Filters and Welliness. Chapter 9	

# Adopting a Healthy Lifestyle for Successful Weight Management Diet and eating habits Physical activity and exercise Thoughts and emotions Coping strategies

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# **Diet and Eating Habits**

- *Total calories*—choose an appropriate energy intake for your activity level
- Portion sizes—limit portions to those recommended by the Food Guide Pyramid to help keep energy intake moderate; measure portions at home and read food labels
- Energy (calorie) density—choose foods with a low energy density, meaning those that are relatively heavy but have few calories

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# **Diet and Eating Habits**

- Fat calories—keep fat intake moderate, and limit intake of saturated and trans fats
- Carbohydrate—emphasize whole grains, vegetables, fruits, and other high-fiber foods; limit consumption of foods high in refined carbohydrates, added sugars, and easily digestible starch
- Protein—meet recommended intake of 10–35% of total daily calories
- Eating habits—eat meals and snacks on a regular schedule

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# **Physical Activity and Exercise**

- Physical activity—increase daily physical activity to at least 30 minutes per day; to lose weight or maintain weight loss, 60 or more minutes per day is recommended
- Exercise
  - ▶ Endurance exercise burns calories
  - Strength training builds muscle mass, which can increase metabolic rate

# Thoughts and Emotions

- How you think about yourself and your environment
- Realistic self-talk, beliefs, and goals can be positively motivating

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# **Coping Strategies**

- Some people cope with stress by overeating
- Analyze your eating habits to determine if you are using food appropriately
- Develop adequate and appropriate strategies for dealing with stress

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# Approaches to Overcoming a Weight Problem

- Doing it yourself
- Diet books
- Dietary supplements and diet aids
- Weight-loss programs
- Prescription drugs
- Surgery
- Psychological help

# Doing It Yourself

- Don't try to lose more than 0.5–2 pounds per week
- Combine any cuts in calorie intake with physical activity
- Choose lifestyle strategies that you can maintain over the long term

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# Diet Books

- Reject books that
  - ▶ Advocate unbalanced ways of eating
  - ▶ Claim to be based on a secret
  - ▶ Use gimmicks
  - ▶ Promise quick weight loss
  - ▶ Limit the selection of foods
- Accept books that advocate a balanced diet plus exercise

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# **Low-Carb and Low-Fat Diets**

- Any diet that cuts calories causes weight loss
- Low-carbohydrate diets have not been proven safe over the long-term
- Low-fat diets should focus on nutrient dense foods, especially whole-grains, fruits, and vegetables
- Diets with many restrictions have high drop-out rates
- People who have been successful at long-term weight loss track food intake and engage in 60 or more minutes of physical activity per day

# **Dietary Supplements and Diet Aids**

- Dietary supplements are subject to fewer regulations than over-the-counter medications; they have not been proven safe and effective
- FTC: More than half of advertisements for weight-loss products make representations that are likely to be false

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# **Weight-Loss Programs**

- Noncommercial weight-loss programs
- Commercial weight-loss programs
  - ▶ Partnership for Healthy Weight Management
- Online weight-loss programs
- Clinical weight-loss programs

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# **Prescription Drugs**

- Appetite suppressants include phentermine, diethylpropion, and sibutramine
- Orlistat is a drug that blocks fat absorption
- Prescription weight-loss drugs cause moderate weight loss, but all have risks and side effects
- Prescription weight-loss drugs are recommended only for people who have a BMI over 30 and who have been unable to lose weight with lifestyle changes

# Surgery

- Surgical intervention may be recommended for some people who have a BMI of 40 or higher or who are 100 or more pounds overweight
- Gastric bypass surgery works by creating a small stomach pouch that restricts the amount of food that can be eaten
- Surgery has a high rate of complications

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# Psychological Help

When concerns about body weight and shape become severe, professional help is recommended

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# **Body Image**

- Body image = the mental representation a person holds about her or his body
- It consists of perceptions, images, thoughts, attitudes, and emotions
- Media images are linked to negative body image
- Different cultures have different ideas of the "ideal" body type

V-	
BMI of Miss America Pageant Winners	
The data shows a steady decline in winners' BMI from a range of 20–25 in the 1920s	
to below 18.5, considered undernutrition by WHO and represented by the horizontal line.	
SOURCE: Rubinstein, S., and B. Caballero. 2000. Is Miss America an undemourished role model? Journal of American Medical Association 283(21): 1569. Used with permission from the American Medical Association.	
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7	
Severe Body Image Problems	
• •	
Poor body image can cause psychological distress	
■ Body dysmorphic disorder (BDD)	
▶ Related to obsessive-compulsive disorder	
Can lead to depression, social phobia, and suicide	
<ul> <li>▶ Treatment—medication and psychotherapy</li> <li>■ Muscle dysmorphia = a disorder characterized by</li> </ul>	
distorted body image; affected people	
inaccurately perceive themselves as small, with	
underdeveloped muscles	
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Acceptance and Change	
Mark Association and analysis the same	-
■ Most Americans are unhappy with some	
aspect of their appearance	
Recognize the limits of change	
■ Small amounts of weight loss can	<del></del>
significantly reduce health risks	



# **Eating Disorders**

- Eating disorder = a serious disturbance in eating pattern or behavior, characterized by a negative body image and concerns about body weight or body fat
- Major types
  - ▶ Anorexia nervosa
  - ▶ Bulimia nervosa
  - ▶ Binge-eating disorder

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# **Eating Disorders**

- Anorexia nervosa = an eating disorder characterized by a refusal to maintain body weight at a minimally healthy level and an intense fear of gaining weight or becoming fat
  - ▶ Affects 1–3 million Americans, 95% female
  - ▶ Distorted body image
  - ▶ Severe medical complications, including death

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# **Eating Disorders**

- Bulimia nervosa = an eating disorder characterized by recurrent episodes of binge eating and purging: overeating and then using compensatory behaviors such as vomiting and excessive exercise to prevent weight gain
  - ▶ Begins in adolescence or young adulthood
  - ▶ During a binge, a person may consume 1,000 to 60,000 calories
  - ▶ Binge-purge cycle places tremendous stress on the body



# **Eating Disorders**

- Binge-eating disorder = an eating disorder characterized by binge eating and a lack of control over eating behavior in general
- Eating patterns:
  - ▶ Eating very rapidly
  - ▶ Eating until uncomfortably full
  - ▶ Eating when not hungry
  - ▶ Eating alone
- Feelings of guilt, shame, and depression

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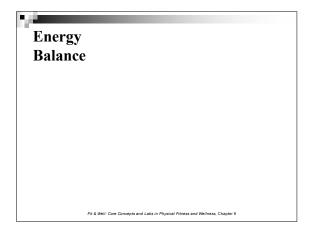
# **Treating Eating Disorders**

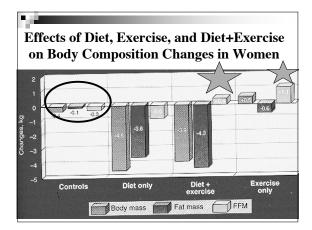
- Must address both problematic eating behaviors and the misuse of food to manage stress and emotions
- Averting a medical crisis
- Dealing with psychological aspects
- Stabilizing eating habits
- Changing behavior patterns and thoughts
- Possibly involving medication and/or hospitalization

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# Creating an Individual Weight-Management Plan

- Assess your motivation and commitment
- Set reasonable goals
- Assess your current energy balance
  - ➤ To lose one pound, you must create a negative energy balance of 3500 calories
    - To lose 1/2 pound per week requires a negative daily energy balance of 250 calories
    - To lose 2 pounds per week requires a negative daily energy balance of 1000 calories
  - ▶ Energy balance is affected by food intake and energy output





Creating a	n Individual Weight-
Managem	O
■ Increase your	level of physical
activity—exer	cise habits are critical for long-
term success	-
■ Make changes	s in your diet and eating habits
■ Put your plan	into action
▶ Write daily	
Get others to	help
▶ Think positive	ely
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