Learning Objectives

Presentation and Activity

1. Define the terms *overweight* and *obesity*.
2. Describe three health consequences of childhood obesity.
3. Explain the purpose of CDC’s *School Health Guidelines to Promote Healthy Eating and Physical Activity*.
4. Identify at least two healthy eating and two physical activity policies or practices that can be implemented in schools to address obesity.
5. Prioritize two guidelines to address obesity, physical activity, and nutrition in your state, region, city, or school district.
6. Name three groups of stakeholders in your state, region, city, or school district that need to be informed about the *Guidelines*. 
Overweight and Obesity Defined

- **Overweight**: having extra body weight, for a particular height, from fat, muscle, bone, or water.
- **Obesity**: having a high amount of excess body fat.

**Energy Balance**

\[\text{Energy In} = \text{Energy Out}\]
Percentage of U.S. Children and Adolescents Classified as Obese, 1963–2008*

*95th percentile for BMI by age and sex based on 2000 CDC BMI-for-age growth charts.


Source: NCHS. Health, United States, 2010: With Special Feature on Death and Dying. Hyattsville, MD. 2011
Obesity in adults
Not just an adult concern anymore…

Conditions Seen in Children

• High Cholesterol
• Type 2 Diabetes/
  Impaired Glucose Tolerance
• High Blood Pressure
• Social Problems and
  Poor Self-Esteem
• Sleep Disturbances
• Orthopedic Problems
Obesity in adults

Obese children and adolescents are more likely to become overweight or obese adults

- Heart Disease
- Cancer
- Stroke
- Type 2 Diabetes
- Osteoarthritis
- Physical Disability
- High Blood Pressure
- Sleep Apnea
Factors Contributing to Obesity

- Genetics
- Environment
- Unhealthy Diet
- Sedentary Lifestyle
- Lack of Physical Activity
School Environments

*School Food Environment*

Low-nutrient, energy-dense foods and beverages are

- Served in vending machines, à la carte lines, school stores, fundraisers, and classroom parties.
- Marketed to students.

(cont.)
School Environments

School Physical Activity Environment

- Daily physical education is not provided in most schools.
- Daily recess for elementary school students is not offered at many schools.
- Walking or biking to school is less common.
Rationale

Physical activity and healthy eating are linked with

• Academic Success
• Health and Well-being
• Risk for Obesity
• Risk for Chronic Conditions (e.g., osteoarthritis)
• Risk for Chronic Diseases (e.g., cancer)
Purpose: To provide science-based guidance for schools on establishing a school environment supportive of healthy eating and physical activity.

The Guidelines support the

- Dietary Guidelines for Americans
- Physical Activity Guidelines for Americans
- U.S. Healthy People 2020 objectives
School Health Guidelines

1. Policies and Practices
2. School Environments
3. Nutrition Services
4. Physical Education and Physical Activity
5. Health Education
6. School Health Services
7. Family and Community
8. School Employee Wellness
9. Professional Development
Use a coordinated approach to develop, implement, and evaluate healthy eating and physical activity policies and practices.
Policies and Practices

GUIDELINE 1

Assess*

Develop and Implement

Evaluate

* Using the School Health Index (www.cdc.gov/HealthyYouth/SHI)
Establish school environments that support healthy eating and physical activity.
School Environments

Selected Strategies to Encourage Healthy Eating and Physical Activity

- Promote access to healthy foods and physical activity at school.
- Provide suitable facilities for healthy eating.
- Establish safe spaces and facilities for physical activity.
- Avoid using physical activity as punishment.
- Avoid using food items to reward students.
Nutrition Services

Provide a quality school meal program and ensure that students have only appealing, healthy food and beverage choices offered outside of the school meal program.
Nutrition Services

- Promote access to and participation in school meals
- Make all foods nutritious and appealing
- Align all foods with *Dietary Guidelines for Americans*
Nutrition Services

Institute of Medicine’s Nutrition Standards for Foods Served in School

www.cdc.gov/healthyyouth/nutrition/standards.htm
GUIDELINE 4

Physical Education and Physical Activity

Implement a comprehensive physical activity program with quality physical education as the cornerstone.
Physical Education and Physical Activity

A Quality PE Program:

1. Curriculum
2. Supportive Policies and Environment
3. Instruction
4. Student Assessment
Physical Education and Physical Activity

Comprehensive School-Based Physical Activity Program

- Walk- or Bike-to-School Programs
- Daily Recess for Elementary Schools
- Classroom-Based Physical Activity Breaks
- Quality Physical Education
- Interscholastic Sports
- Intramural and Physical Activity Clubs

GUIDELINE 4
Health Education

Implement health education that provides students with the knowledge, attitudes, skills, and experiences needed for healthy eating and physical activity.
School Health Services

Provide students with health, mental health, and social services to address healthy eating, physical activity, and related chronic disease prevention.
School Health Services

- Health Services
- Social Services
- Mental Health Services

GUIDELINE 6

STAFF

ASSESS
REFER
ADVOCATE
Partner with families and community members in the development and implementation of healthy eating and physical activity policies, practices, and programs.
Family and Community

Promote Communication and Involvement

Schools

Families

Community Members
School Employee Wellness

Provide a school employee wellness program that includes healthy eating and physical activity services for all school staff members.
School Employee Wellness

- Determine Needs of Staff
- Engage Administrative Support Staff
- Establish and Evaluate Programs
Employ qualified persons, and provide professional development opportunities for physical education, health education, nutrition services, and health, mental health, and social services staff members, as well as staff members who supervise recess, cafeteria time, and out-of-school-time programs.
Professional Development

**REQUIRE:**
- Certification

**PROVIDE:**
- Professional Development

**FOR:**
- PE Teachers
- Health Education Teachers
- Nutrition Services Staff
- Teachers and All Staff
1. Policies and Practices
2. School Environments
3. Nutrition Services
4. Physical Education and Physical Activity
5. Health Education
6. School Health Services
7. Family and Community
8. School Employee Wellness
9. Professional Development
Access to Public-Use Materials on the Guidelines

- **School Health Guidelines to Promote Healthy Eating and Physical Activity**
  www.cdc.gov/healthyyouth/npao/strategies.htm

- **PowerPoint® Presentation**
  www.cdc.gov/healthyyouth/npao/presentationslides.ppt

- **Facilitator’s Guide to Using the PowerPoint® Presentation**

- **References for PowerPoint® Presentation**
  www.cdc.gov/healthyyouth/npao/references.pdf

- **Frequently Asked Questions**
  www.cdc.gov/healthyyouth/npao/faq.pdf
Thank You!