Physical activity guidelines for children

Insufficient physical activity is a risk factor for people who are overweight or obese and for many related chronic diseases. Regular physical activity is associated with immediate and long-term health benefits such as easier weight control, lower blood pressure, improved cardio-respiratory function and enhanced psychological well-being. Active children are more likely to become active adults.

As children age into adolescence, their physical activity declines. Increased use of television, video and computer games has resulted in decreased physical activity in American youth. In addition, school-based physical education programs have declined, particularly at the high school level.

Risks of overweight and obesity in children:

Orthopedic problems

Type 2 diabetes

Premature physical development

Low self-esteem

Asthma

Sleep apnea

Gallstones

High cholesterol

Physical activity guidelines:

It is recommended that children engage in at least 60 minutes of physical activity on most days of the week.

Begin training in good activity habits as soon as possible. Include the whole family when possible. Think of the benefits derived from incorporating physical activity in the daily lives in the long term. Make small changes at a time, and make them gradually.



Keep activities fun.

Windows of opportunity

For a child to become physically able to exercise in adulthood, he or she must do different types of physical activity in childhood. The muscles need to be "activated" for them to be able to work later.

Best aerobic activity for children:

The game of TAG. Children like to run very fast for very short periods, then rest and go again.



Children's metabolic systems are ideal for short bursts of vigorous activity followed by periods of low level activities or rest. Aerobic activities for children should include games in which they can have periods of intense activity. The following aerobic activities are ideally suited for children.

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Outdoor aerobic activities:

Basketball **Kite flying** Biking Miniature golf **Bowling Ping Pong** Playing at the park Catch Fishing Rollerblading Football Running **Skipping rope Freeze** tag Frisbee Softball Hacky sack Swimming Hiking Tag Hopscotch **T-ball** Jump rope Trampoline Kickball

Activities children can do at home: Remember to have fun!

Outdoor activities:

Bagging leaves Brushing the dog Digging in the sand Gardening Mowing Painting Riding a bike Raking leaves Vacuuming the car Walking the dog Washing the car Weeding in the garden Watering plants

Indoor activities:

Cleaning Cleaning their room Cooking Dancing Dusting Folding clothes Making beds Picking up toys Playing hide and seek Playing with the cat Sweeping Vacuuming Washing dishes

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Pub. 2905 (5M) 9/05 Issued in furtherance of Cooperative Extension work, Acts of Congress of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. The Louisiana Cooperative Extension Service provides equal opportunities in programs and employment.

es References: 1. Sothern, M Kide: The L

- Sothern, M. Schumacher, H. & Von Almen, TK. Trim Kids: The Proven Plan that has Helped Thousands of Children Achieve a Healthier Weight, 2001, Harper Collins Publishers, New York, NY.
- Sothern, M., and Gordon, S. Prevention of obesity in young children: A Critical Challenge for the Medical Professional, Clinical Pediatrics, 2003, 42:101-111.
- 3. Kosharek, S.M. If Your Child Is Overweight: A Guide For Parents. 2nd Ed. 2003, American Dietetic Association.
- 4. Center for Disease Control, Defining Overweight and Obesity. Accessed January 7, 2004, http://www.cdc.gov/ nccdphp/dnpa/obesity/defining.htm
- 5. Mullen, M.C., Shield, J. Childhood and Adolescent Overweight: The Health Professional's Guide to Identification, Treatment, and Prevention. 2004, American Dietetic Association.
- 6. Healthy People 2010, Department of Health and Human Services, Office of Disease Prevention and Health Promotion, Office of Public Health and Science, Washington, DC.

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