

**How much do you know about the childhood obesity epidemic in RHODE ISLAND?**

**KEY POINTS:**

- Approximately 28,000 of 104,000 Rhode Island children ages 10-17 years (34.4%) are considered overweight or obese according to BMI-for-age standards.
- Nearly one third (32.7%) of Rhode Island children in poor families are either overweight or obese. This prevalence rate is seven percentage points below the national rate, placing Rhode Island third in the state ranking for this child subgroup.
- Rhode Island children are less likely than their counterparts nationwide to be physically active for at least 4 days per week, and slightly less likely to spend 2 hours or more in front of a television or computer screen.
- According to the 2006 Pediatric Nutrition Surveillance System (PedNSS), which assesses weight status of children from low-income families participating in WIC, 34.4% of low-income children ages 2 to 5 years in Rhode Island are overweight or obese.

| OVERALL PREVALENCE  | RHODE ISLAND % | NATIONAL % |
|---|----------------|------------|
| Percentage of children ages 10-17 years who are overweight or obese   | 27.0%          | 30.6%      |
| State Rank for overweight or obese children (1 is best)   | 15             |            |
| Percentage of children ages 6–17 years who participate in 4 or more days of vigorous physical activity per week                         | 48.6%          | 59.0%      |
| Percentage of children ages 6-17 years who engage in 2 or more hours of screen time per day (includes TV, videos, computer games, etc.) | 43.9%          | 44.9%      |
|   |                |            |
| DISPARITIES – ACROSS AND WITHIN STATES  | RHODE ISLAND % | NATIONAL % |
| <b>% Overweight or Obese by Family Income</b>   |                |            |
| <100% Federal Poverty Level (FPL)   | 32.7%          | 39.8%      |
| >400 % FPL  | 23.2%          | 22.9%      |
| Income Disparity Ratio  | 1.41           | 1.74       |
| State Rank on Income Disparity Ratio (1 is best, 39 is worst)   | 7              |            |
| <b>% Overweight or Obese by Type of Insurance</b>   |                |            |
| Public Insurance  | 32.1%          | 39.6%      |
| Private Insurance   | 25.2%          | 26.7%      |
| Insurance Disparity Ratio   | 1.28           | 1.48       |
| State Rank on Insurance Disparity Ratio (1 is best, 49 is worst)  | 10             |            |
| <b>% Overweight or Obese by Race</b>  |                |            |
| Black, non-Hispanic   | NA             | 41.2%      |
| White, non-Hispanic   | 24.4%          | 26.6%      |
| Race Disparity Ratio  | NA             | 1.55       |
| State Rank on Race Disparity Ratio (1 is best, 23 is worst)   | NA             |            |
| <b>% Overweight or Obese by Hispanic Origin</b>   |                |            |
| Hispanic  | 39.1%          | 37.7%      |
| Non-Hispanic  | 25.5%          | 29.5%      |
| Hispanic Origin Disparity Ratio   | 1.53           | 1.28       |
| State Rank on Hispanic Origin Disparity Ratio (1 is best, 21 is worst)  | 14             |            |

\* Difference between state and national overall prevalence is statistically significant at the .05 level of significance.

NA – Not Available. Estimates with a relative standard error greater than 30%, or based on an unweighted sample of fewer than 25 children, are considered unreliable and are not reported.

State rankings on disparity ratios include only those states with reliable estimates for both groups.

Data Source: CAHMI/Data Resource Center analysis of the 2003 National Survey of Children’s Health.

Developed by the Child Policy Research Center and the Child and Adolescent Health Measurement Initiative/Data Resource Center ([www.childhealthdata.org](http://www.childhealthdata.org)) on behalf of the NICHQ Childhood Obesity Action Network.

**TECHNICAL NOTES:**

The 2003 National Survey of Children’s Health (NSCH) provides parent-reported information on the health and well-being of children in each state and nationwide. Two important aspects of children’s health measured in the survey are physical activity and overweight, which is calculated from the child’s height and weight as reported by the parent or guardian. Using survey results and sex-specific BMI-for-age growth charts developed by CDC, the prevalence of children with BMI scores in two separate percentile ranges (85<sup>th</sup> to 95<sup>th</sup> and at or above the 95<sup>th</sup>) can be estimated. Children with BMI between the 85<sup>th</sup> and 95<sup>th</sup> percentiles are classified as overweight; those with a BMI at or above the 95<sup>th</sup> percentile are classified as obese. Childhood and adolescent obesity measures based on parental report may not accurately reflect the true prevalence of overweight and obesity. However, previous research and comparisons of NSCH with data from the National Health and Nutrition Examination Surveys (NHANES) have shown that parental reports are reliable and provide a fairly close correspondence for children 10-17 years (Ogden et al., *Advance Data From Vital and Health Statistics*, 2004).

## What is RHODE ISLAND doing about obesity?

The table below is derived from the 2007 edition of *F as in Fat*, published by Trust for America's Health ([www.healthyamericans.org](http://www.healthyamericans.org)). The effectiveness or value of any one state approach is not known; the summary below is intended only for comparing a state's activities with others.

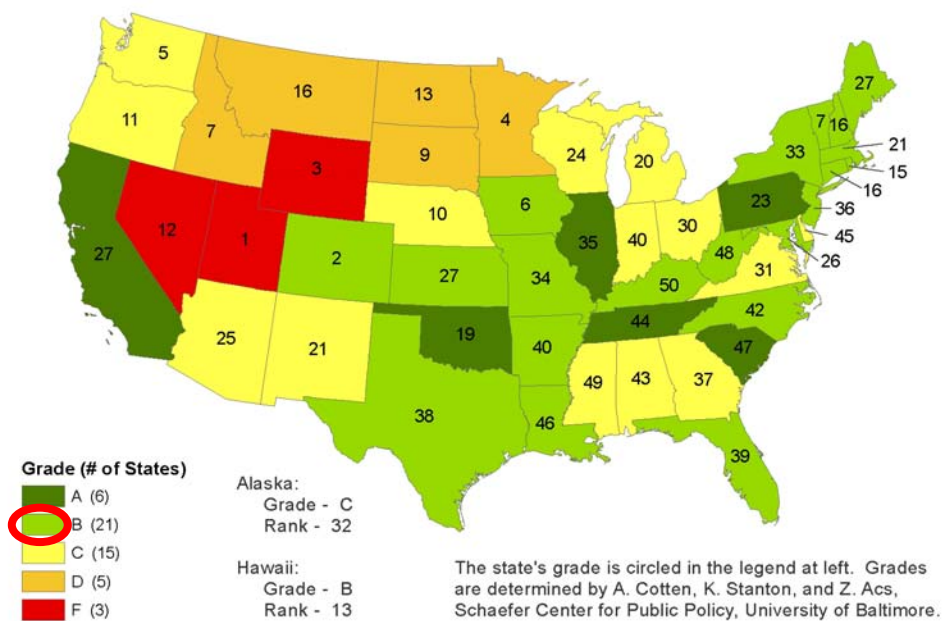
| OBESITY-RELATED STATE INITIATIVES   | RHODE ISLAND | NATIONAL             |
|---|--------------|----------------------|
| Snack and/or soda tax   | Yes          | 17 states + D.C.     |
| CDC state-based nutrition and physical activity program   | Yes          | 28 states            |
| Federal STEPS grant recipient   | No           | 7 states             |
| Laws that limit liability for obesity and obesity-related health problems   | No           | 24 states            |
| OBESITY-RELATED SCHOOL STANDARDS  | RHODE ISLAND | NATIONAL             |
| Physical education requirement <i>(Note: There is variation in whether states enforce these standards)</i>  | Yes          | 50 states + D.C.     |
| Health education requirement <i>(Note: There is variation in whether states enforce these standards)</i>  | Yes          | 48 states + D.C.     |
| Nutritional standards for school meals and snacks that go beyond existing USDA requirements   | Yes          | 17 states            |
| Nutritional standards for competitive food products sold a la carte, in vending machines, school stores or at bake sales  | Yes          | 22 states            |
| Limitation (beyond federal requirements) on when and where competitive food products may be sold  | No           | 26 states            |
| BMI or health information collected <i>(Note: There is variation in whether states enforce these standards)</i>   | No           | 16 states            |
| 2006 OBESITY-RELATED POLICY OPTIONS   | RHODE ISLAND | NATIONAL             |
| Provision for strengthening of private insurance coverage for obesity prevention or treatment, especially for the morbidly obese (BMI of 40 or higher). Children may or may not be covered. | No           | 8 states introduced  |
| Legislation or resolutions to create obesity-related task forces, commissions, studies or other special programs  | No           | 19 states introduced |

### NOTES:

The federal Child Nutrition and WIC Reauthorization Act of 2004 (Public Law 108 - 265) required each local school district participating in the National School Lunch and Breakfast Program to establish a local wellness policy by the beginning of the 2006-2007 school year. To view model school wellness policies, see [www.schoolwellnesspolicies.org/](http://www.schoolwellnesspolicies.org/).

Rhode Island requires all elementary, middle, and junior high schools to offer healthier snacks by January 1, 2008. Healthier snacks are defined as: (1) Individually sold portions of nuts, nut butters, seeds, eggs, and cheese packaged for individual sale, fruit and vegetables that have not been deep fried, and legumes; (2) Individually sold portions of low fat yogurt with not more than four grams of total carbohydrates (including both naturally occurring and added sugars) per ounce and reduced fat or low fat cheese packaged for individual sale; and (3) Individually sold enriched or fortified grain or grain products or whole grain foods that contain no more than 30% calories from fat, no more than 10% total calories from saturated fat, and no more than seven grams of total sugar per ounce.

### STATE OBESITY PREVALENCE RANKING AND REPORT CARD GRADE FOR CHILDHOOD OBESITY-RELATED ACTIVITIES



Note: The numbers shown in the map above represent the state's ranking on the prevalence of overweight and obesity among children ages 10-17. Utah ranks first with the lowest overweight/obese prevalence, while Kentucky ranks 50<sup>th</sup>. The child obesity report card grade developed for each state is a composite of the state score on five types of childhood obesity-related legislation: (1) Nutrition standards in schools, (2) Vending machine prohibitions in schools, (3) Body mass index measured in school, (4) Recess and physical education requirements, and (5) Obesity programs and education. For more information, see [www.ubalt.edu/experts/obesity/index.html](http://www.ubalt.edu/experts/obesity/index.html).