Sugar-Sweetened Beverages Fact Sheet: Sports Drinks

The term “sugar-sweetened beverages” (SSBs) is usually associated with traditional carbonated beverages. However, this category of beverages has expanded substantially and now includes, among others, those known as “sports drinks.” Legislation calling for a tax on SSBs has included sports drinks in the taxable category, causing confusion among consumers who believe these drinks to be healthful alternatives to soda and fruit drinks, and even necessary for children and adults. This fact sheet gives the rationale for including sports drinks in the sugar-sweetened beverage category.

What are sports drinks?
Sports drinks were originally designed for use by athletes to rehydrate and restore electrolytes, carbohydrates and other nutrients, after a vigorous workout. They are often sugar-sweetened. The most common ingredients are water, sugar, sodium, potassium, artificial colors, and other flavorings. The most common brands are Gatorade (made by PepsiCo) and Powerade (made by Coca Cola). In 2009, a new line of sports drinks called Crayons was launched as the first all-natural sports drink marketed specifically for “today’s youth.” Powerade also launched a lower-calorie, youth-targeted sports drink in 2010, called Powerade Play.

What does the research say about sports drinks?
• According to the American College of Sports Medicine, sports drinks are recommended for hydration only after intense exercise lasting for more than 60 minutes; for shorter exercise periods, sports drinks are unnecessary and water is the best hydrator.
  o In a national survey, fewer than one in five (18%) high school students participated in at least 60 minutes per day of physical activity on each of the 7 days before the survey.
• Sports drinks should be consumed sparingly, except by endurance athletes.
• Unnecessary sports drink consumption is linked to excess weight gain in both adults and children.
• Americans consume too much sodium, a key ingredient in sports drinks. High sodium consumption raises blood pressure, which is a risk factor for stroke and heart disease.
• Sports drinks erode dental enamel.

Position statements and advice
• The American Dietetic Association, Dietitians of Canada, and American College of Sports Medicine:
  o Sports drinks are recommended for exercise events lasting longer than 1 hour.
• The American Academy of Pediatrics:
  o “Routine ingestion of carbohydrate-containing sports drinks by children and adolescents should be avoided or restricted. Intake can lead to excessive caloric consumption and an increased risk of overweight and obesity...”
  o Children should drink water before, during and after exercise. Small amounts of sports drinks may be given to children exercising in hot, humid conditions for more than one hour.

Nutrition and ingredients
• A 2011 Rudd Center study analyzing 38 common sports drinks reported that the median sodium content per 8 ounces was 120 milligrams and the median sugar content was 14 grams per 8 ounces. Gatorade and Powerade are available in 32-ounce bottles, which contain up to 56 grams of sugar and 480 milligrams of sodium per container.
Consumption trends

- Between 1988–1994 and 1999–2004 the share of SSB consumption attributable to sports drinks increased threefold among adolescents (1%–3% of all total SSB calories). xiii
- Between 2000-2004, the purchase of traditional carbonated soft drinks in schools decreased by 24%, while at the same time the purchase of sports drinks increased by 70%. The percentage of sports drinks in the product mix in high schools increased from 6.8% in 2002 to 14.3% in 2005. xiv

Talking points for use in campaigns to reduce SSB consumption

- Sports drinks add unnecessary calories to the diet.
- Sports drinks are for athletes engaged in high-intensity workouts lasting 60 minutes or more—not for routine consumption.
- Water is adequate for most hydration needs.
- Most school children do not have high-intensity physical education classes or participate in endurance sports at school, so it is not necessary to sell sports drinks there.
- Sports drinks add unnecessary sodium to the diet.
- Sports drinks erode dental enamel.

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