# NUTRIENT DATABASE OF COMPETITIVE SCHOOL FOODS:

#### ASSESSING THE SCHOOL FOOD ENVIRONMENT & EVALUATING ADHERENCE TO SCHOOL NUTRITION POLICIES

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# Research $\rightarrow$ Policy

 The most frequently sold a la carte items were pizza (75%), chips (75%), cookies (72%), and soda (71%).



## **School Food and Beverage Venues**

**School Vending Machines** 

School Store

#### School Cafeteria

# **Governor Signs Legislation**

# Uses of Environmental Assessment Data

- Snapshot of the nutritional quality of school environment
- Monitor environmental change over time
- Measure extent of nutrition standards implementation
- Assess nutrient profile of foods and beverages sold on campus

### Assessment process: Environmental Assessment methods

- Inventory foods and beverages in the main competitive food venues
  - Vending Machines
  - School Stores
  - Food Service (snack bar, snack cart, cafeteria)
- Observe snack and lunch periods
- Interview school administrators & staff

#### Assessment tools: Food and Beverage Environmental Assessment Tool

- Locations and times of competitive food and beverage sales
- Marketing and advertising
- Food and beverage item name, size, selling price
- Nutrient content of foods
- Supplemental:
  - presence of healthy items, water fountains, revenues, fundraisers, purchase mechanisms, concessions

## Assessment tools: School Foods Nutrient Database

- 1311 food products and 508 beverages
- Data collection:
  - Environmental assessment tool
  - Tracking down manufacturers' data
    - Web searches
    - Phone calls
    - Convenience or grocery store visit
  - School food service data
  - USDA nutrient databanks
    - Standard Reference (SR18)
      - What's In The Foods You Eat
      - Food and Nutrient Database for Dietary Studies (FNDDS)

## Assessment tools: School Foods Nutrient Database (cont.)

- For each item, the SFND contains:
  - Product information
    - Name of product
    - Manufacturer
    - Serving and product size
    - Total calories
  - Nutrient information
    - Total fat grams per serving
    - Total saturated fat grams per serving
    - Total grams of sugar
  - Source of data

### **Nutrient analysis**

- Apply the nutrient profiles in the database to each food item
- Calculate total calorie size, percent of total calories from fat and saturated fat, and percent of weight from sugar
- Compare the nutrient profiles to nutrition standards to determine the level of adherence
- Report back to schools to facilitate removing unhealthy foods

# Analysis: Comparing school beverages to policies

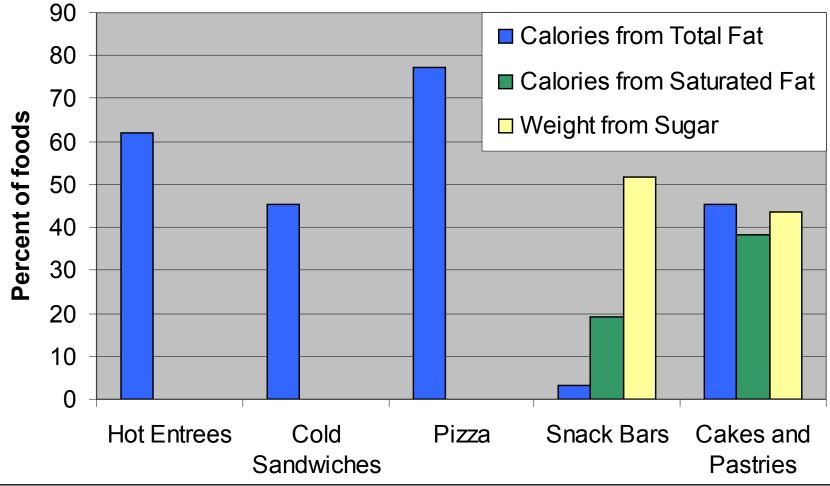
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Ve	enue	Middle (%)	High (%)	Total (%)
Ve	ending Machines	72	86	85
So	chool Food Service	75	80	79
So	chool Store	44	56	55
Тс	otal	71	84	82

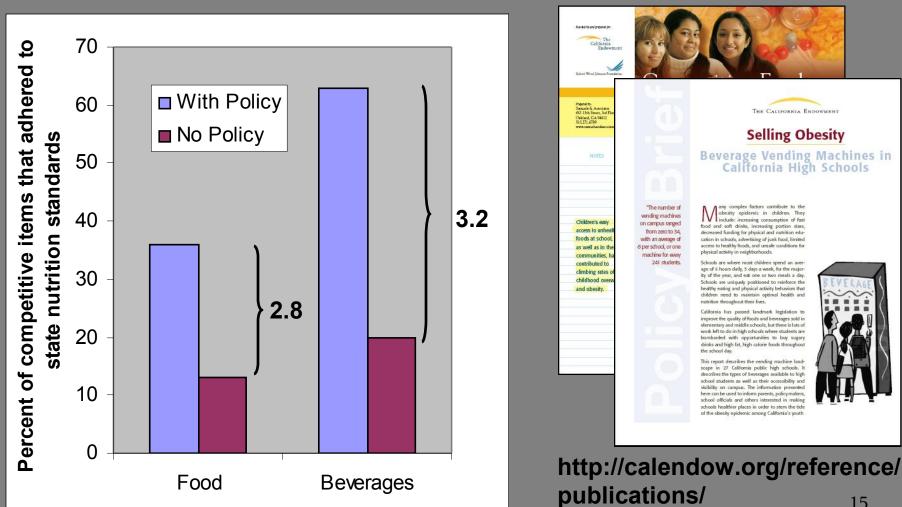
### **Beverages found on school campuses: NOT ALLOWED under SB965**

<ul> <li>A&amp;W Rootbeer</li> <li>Shasta Cola</li> <li>Shasta Cola</li> <li>Shasta Cola</li> <li>Shasta Cola</li> <li>Shasta Root Beer caffeine free</li> <li>Minite Maid Strawberry</li> <li>Coke Cherry</li> <li>Diet Coke</li> <li>Dir. Pepper</li> <li>Diet Coke Vanilla</li> <li>Topicana orangeade 3% juice</li> <li>Minute Maid Strawberry melon drink</li> <li>Shasta Root Beer</li> <li>Diet Shasta Cola</li> <li>Minute Maid Strawberry</li> <li>Sinapple Raspberry Led Tea</li> <li>Lipton Brisk Iced Tea</li> <li>Minute Maid Cranappe Pink Lemonade</li> <li>Silce</li> <li>Cool tropics slushie-cherry</li> <li>Spirite</li> <li>Spinte</li> <li>Spirite</li> <l< th=""></l<></ul>

# Percent of foods in select food categories that exceed nutrition standards



# Policy $\rightarrow$ Evaluation



# Contact

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