#### The Importance of Plant-Based Foods in Schools for Health

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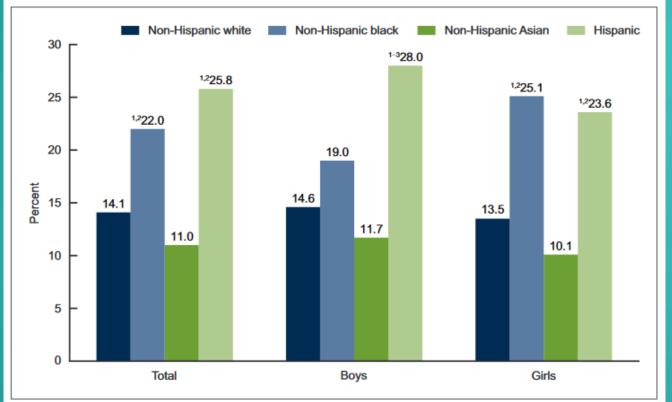


# Why would a doctor be interested in school food?

# Today's Landscape

#### Latest CDC Statistics

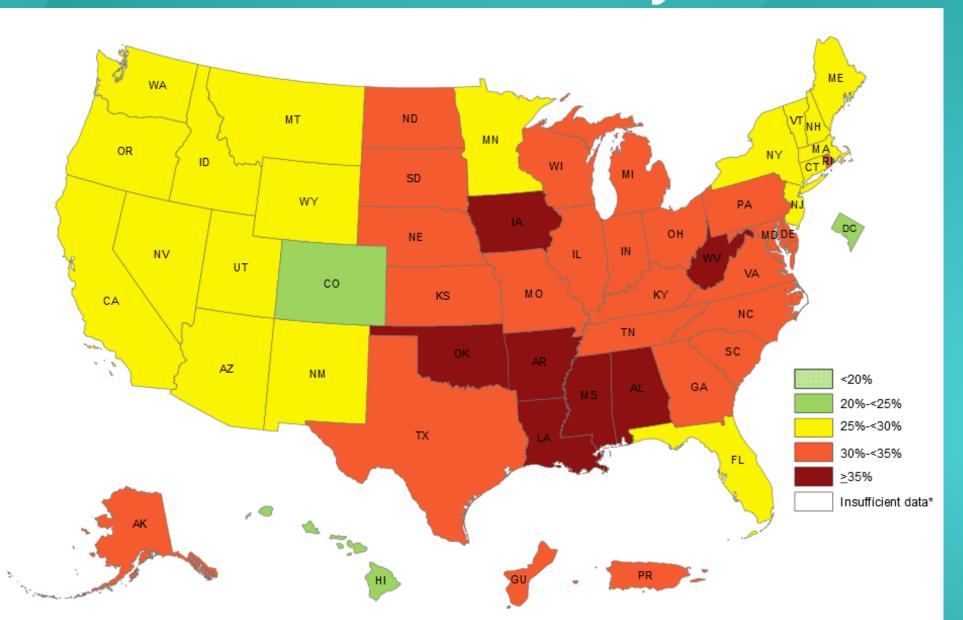
Figure 4. Prevalence of obesity among youth aged 2–19 years, by sex and race and Hispanic origin: United States, 2015–2016



<sup>1</sup>Significantly different from non-Hispanic Asian persons.
<sup>2</sup>Significantly different from non-Hispanic white persons.
<sup>3</sup>Significantly different from non-Hispanic black persons.
NOTE: Access data table for Figure 4 at: https://www.cdc.gov/nchs/data/databriefs/db288\_table.pdf#4.
SOURCE: NCHS, National Health and Nutrition Examination Survey, 2015–2016.

- Almost 1 in 5 kids ages 2-19 are obese
- Hispanics (25.8%) and African Americans (22.0%) had higher obesity prevalence than Caucasians (14.1%).
- Childhood obesity increases risk for obesity in adulthood

### 2017 Adult Obesity Rates

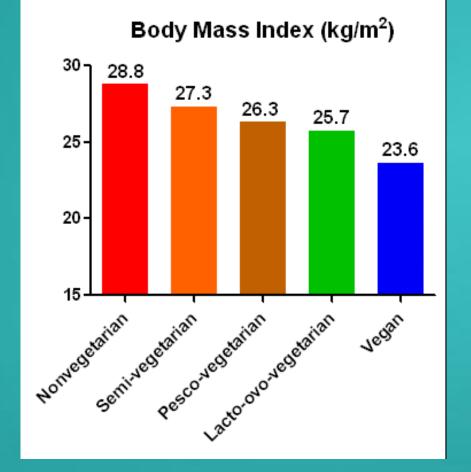


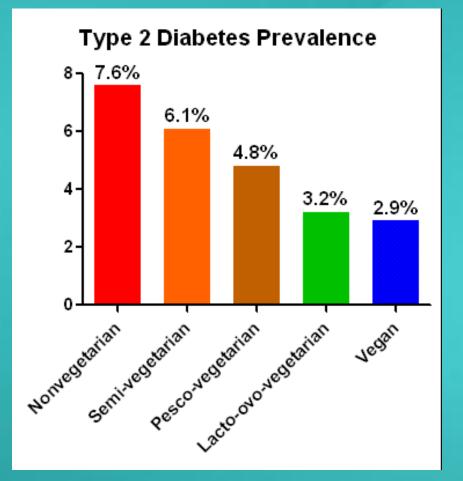
Obesity-related conditions include: heart disease, stroke, type 2 diabetes and certain types of cancer. These are some of the leading causes of preventable, premature death.



#### Adventist Health Study – 2

60,903 participants, aged ≥30, enrolled 2002-2006





Tonstad S, et al. Type of vegetarian diet, body weight and prevalence of type 2 diabetes. Diabetes Care 2009;32:791-6.

### How Plants Can Help



A new study in the *Journal of the Academy of Nutrition and Dietetics* shows a vegetarian diet helps reduce body weight, which can help you shed excess pounds and reduce the risk for chronic disease. Want to know the secret to why a plant-based diet can help you look good and feel great? Fiber! Fiber is made of indigestible plant roughage that fills you up without adding extra calories.

#### Aim for about 40 grams of fiber per day by filling up on these nutrient-packed foods:



\*Source: Barnard, N.D., Levin, S.M., Yokoyama, Y.A Systematic Review and Meta-Analysis of Changes in Body Weight in Clinical Trials of Vegetarian Diets. *Journal of the Academy of Nutrition and Dietetics* (in press).

Note: All information is for cooked servings, except the fruit category.

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Plants are packed with fiber unlike animal products.

#### Fiber Facts

- Only found in whole plant foods
- Promotes healthy gut bacteria
- ✓ Lowers cholesterol
- ✓ Stabilizes blood sugar
- ✓ Contributes to satiety
- Promotes bowel regularity



#### What else is unique to plants?

- Packed with vitamins and minerals which increase metabolism (fuel burning)
- ✓ Mostly low in saturated fat
- Void of cholesterol
- Rich in antioxidants
- Can meet all of our nutrient needs with the exception of vitamin B12



# Making a Change

#### Start Now

Food preferences and lifestyle habits such as physical activity are established early in life. Early exposure matters!





#### Eating plant-based foods is an easy way to boost your health in all stages of life.

Take better care of yourself by trying one of these plant-based swaps today!



### What swaps can you start with?





#### Success Story: Family Care

- 10 year old patient with asthma and allergies, also overweight
- Medication use year-round and frequent colds
- Couldn't participate in recess, psychosocial issues
- Diet and lifestyle changes implemented
- Within 3 months weight loss of 10 lbs and less use of medications, more energy
- Impacting the family: mother lost weight, and improved her diabetes!

### Milk, Dairy and Racial Inequity

USDA protects public's health while pushing agricultural products

Lactose intolerance affects 30-50 million Americans (National Institutes of Health)

- Diarrhea, bloating, gas and abdominal pain
- 80-100% of Asian Americans, African Americans, Native Americans and Latinos are affected by lactose intolerance
- National School Lunch program requires dairy milk in schools
- Significant contributor to obesity epidemic fat, sugar, and salt

#### School Food Resources

- *Plantrician* Pediatric Quick Start Guide <u>plantricianproject.org/quickstartguide</u>
- Forward Food K-12 Scaled Recipes: forwardfood.org/foodservice
- Physicians Committee Recipes and Nutrition for Kids: <u>healthyschoollunches.org</u>
- One Meal a Day: omdfortheplanet.com/take-action/schools/
- Balanced Guides: <u>balanced.org/menus</u>
- Veggie Fit Kids: veggiefitkids.com/
- Dr. Michael Greger: nutritionfacts.org

### Please Stay in Touch!

- Meet me at the Physicians Committee booth later today!
- Available for speaking engagements
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