

Impacts of Nutrition Change in the U.S

Source: USDA's Agricultural Research Service and Food
Data Central

Team 29 - United States Naval Academy Emma Dear, Seungjae Hong, Matt Jao, Aaron Song



Introduction

A Leading killer in America



Obesity is the leading cause of death in the United States

"Poverty-Obesity" Paradox



Obesity is also linked to lower income and food insecurity





Given the FF and SR data, nutrient content in different food groups have changed over time



United States Department of Agriculture

Poor Nutrition is a leading cause of illness in the United States

Poor nutrition is leading to higher rates of obesity in the United States Ensure healthier, more prosperous future for *ALL* Americans



Nutrition Security



The Problem

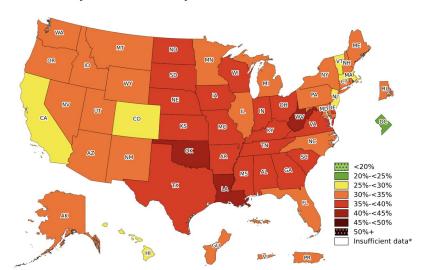


Goals



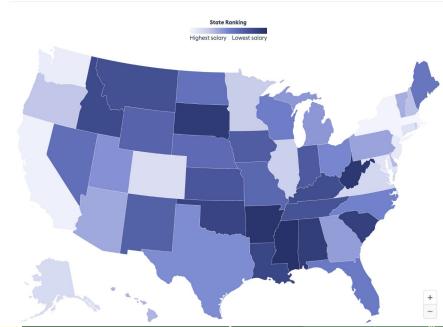
Map: Overall Obesity

Prevalence[†] of Obesity Based on Self-Reported Weight and Height Among U.S. Adults by State and Territory, BRFSS, 2022



Source: Behavioral Risk Factor Surveillance System

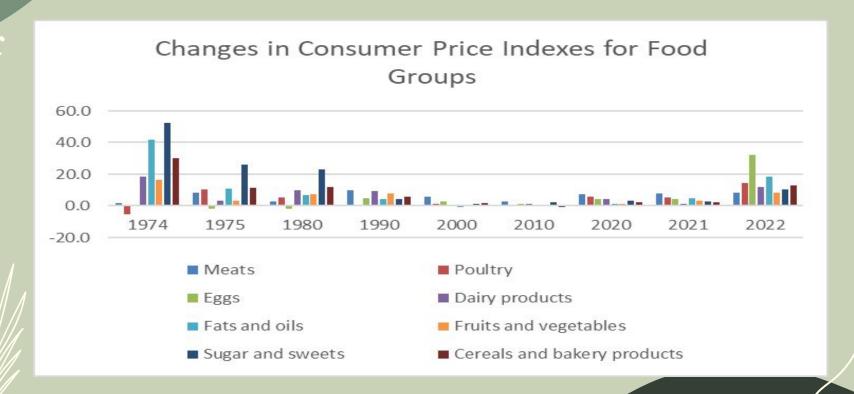
Average Salary by State in the U.S.

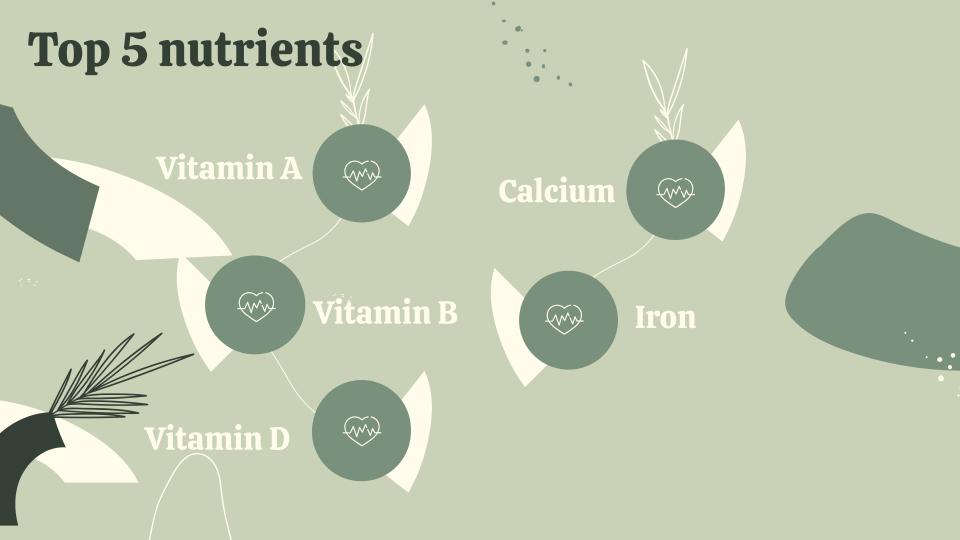


2024

Source: Bureau of Labor Statistics

Changes In Food Prices

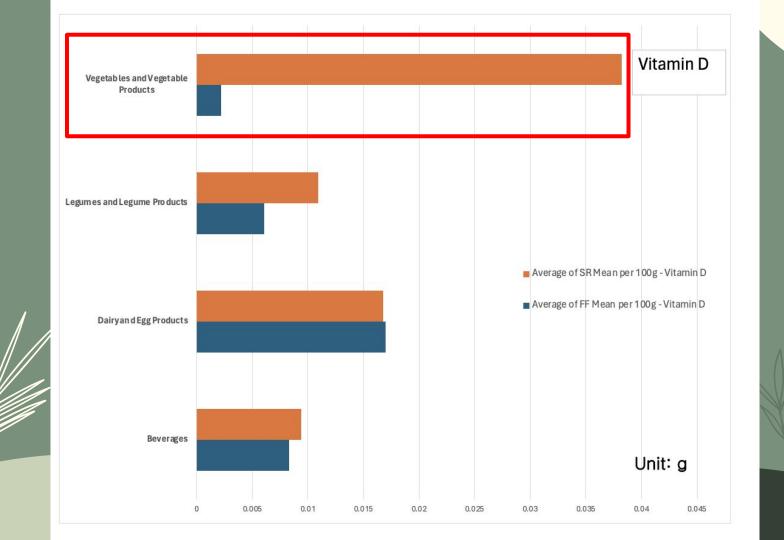


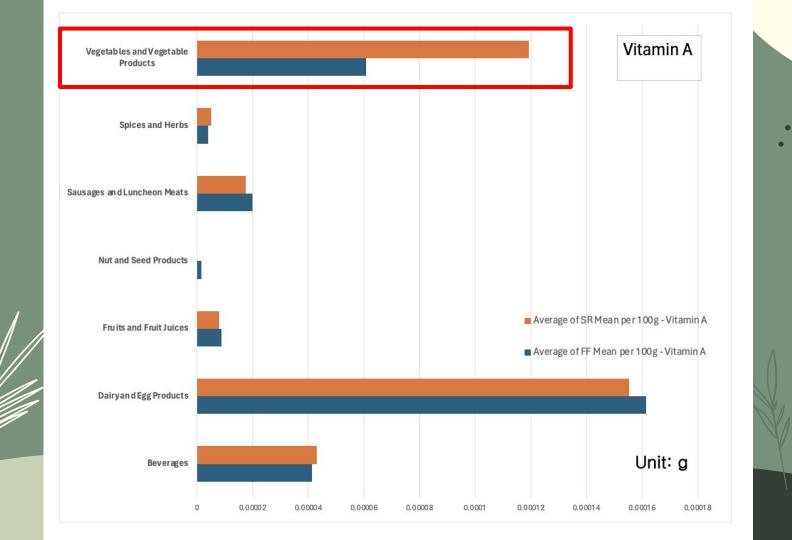


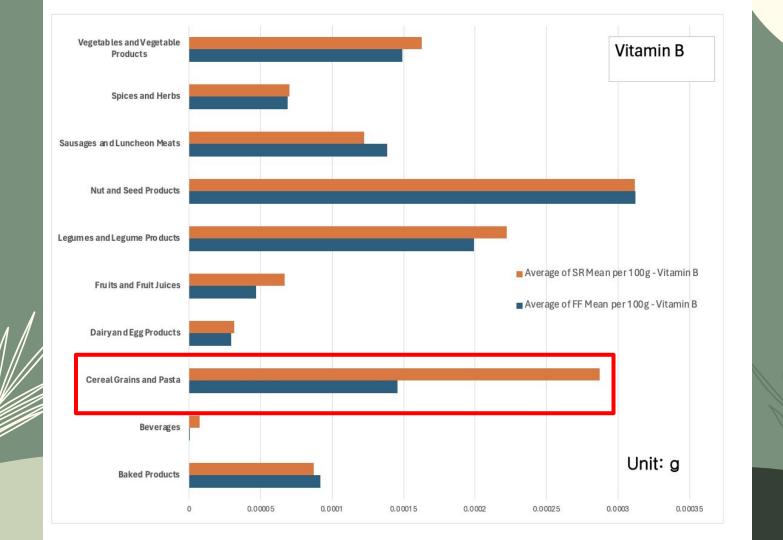


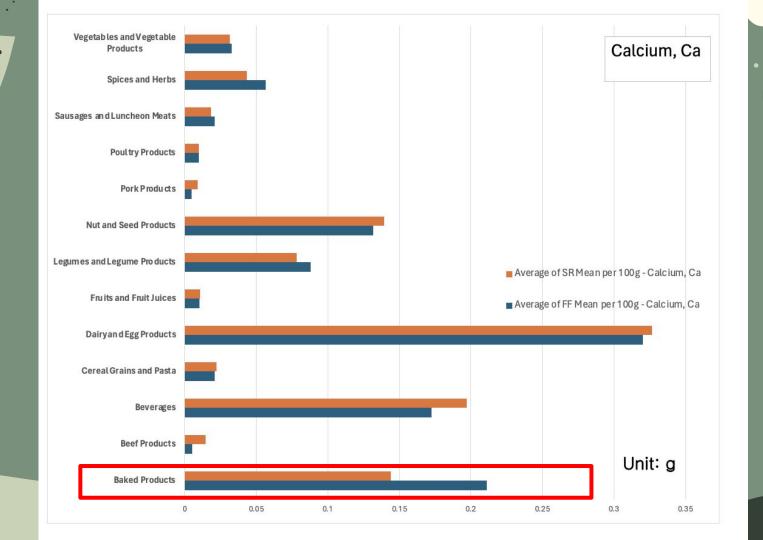
- How does the FF and SR data change across the years for each food group?
- Does a change in obesity-mitigating nutrients correlate with obesity rates in the U.S.?
- Does lower income correlate with reduced availability of nutritionally dense foods?

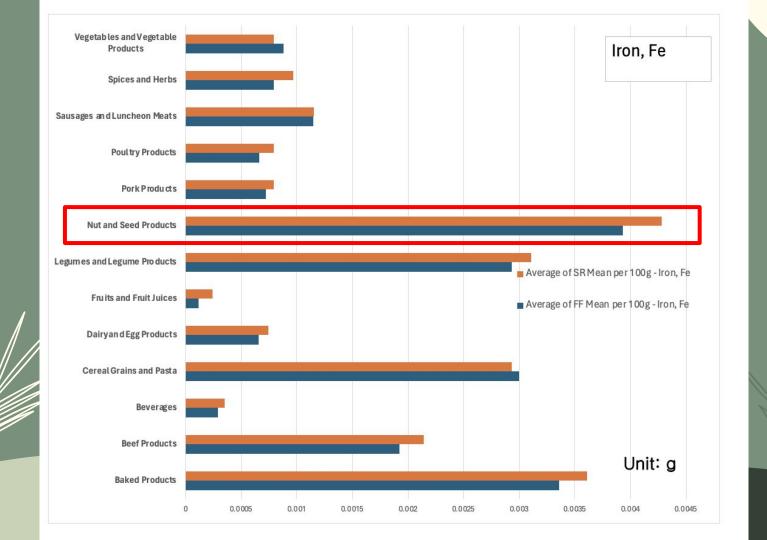
O3 Data Analysis



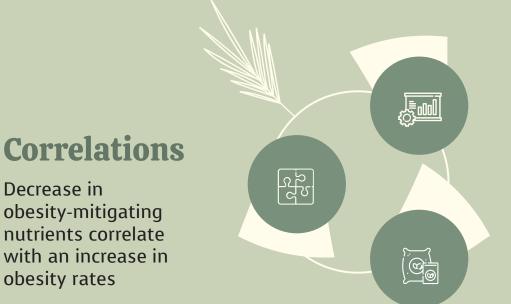








Analysis



Decrease in

obesity rates

obesity-mitigating nutrients correlate

with an increase in

The Data

Significant changes between the SR and FF data

Nutrients

Nutrient Content overall decreases from SR to FF data

04 Solutions



Monetary

Reducing taxes on nutrient-dense, low-calorie foods or taxing high-calorie foods, i.e. sugary drink tax



Agricultural Practices

- Crop biofortification
- Selective plant breeding
- Limiting genetically modified seeds, pesticides, and synthetic fertilizers.



References

- "Food and Nutrition Security," U.S. Department of Agriculture, <u>https://www.usda.gov/nutrition-security</u>
- "Beltsville Human Nutrition Research Center: Beltsville, MD," U.S. Department of Agriculture Agricultural Research Service, https://www.ars.usda.gov/northeast-area/beltsville-md-bhnrc/beltsville-human-nutrition-research-center/
- "Food price outlook," U.S. Department of Agriculture Economic Research Service,
 https://www.ers.usda.gov/data-products/food-price-outlook/



Thank You!

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