Affordability and Access to Fresh Produce in Low-Income Populations

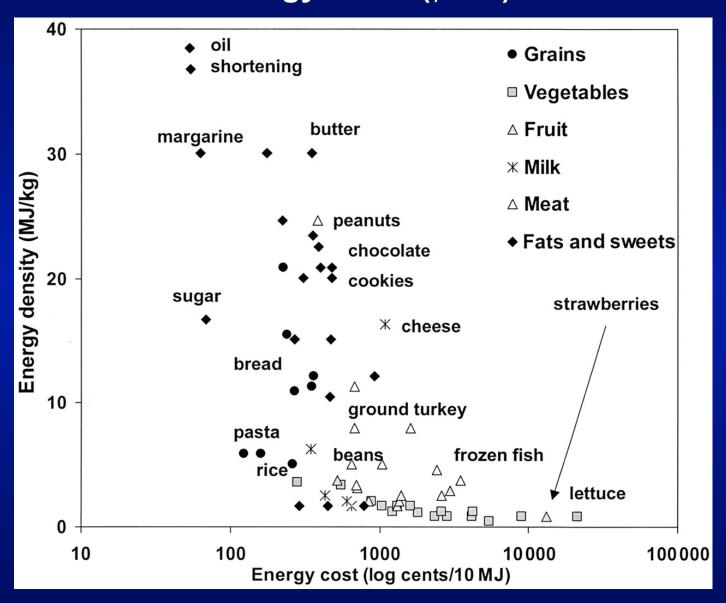
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Relation between the energy density of selected foods and energy costs (¢/MJ)





Carrots, 2lbs \$1.89 at Safeway 384 calories (2.3 calories/cent)



Keebler Fudge Stripes, 11.5 oz \$1.99 at Safeway 1500 calories (7.5 calories/cent)

Price changes for fresh fruits and vegetables, sugars and sweets, and soft drinks

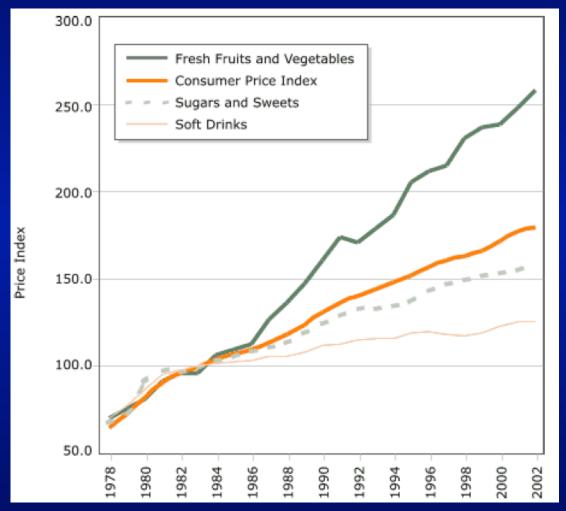
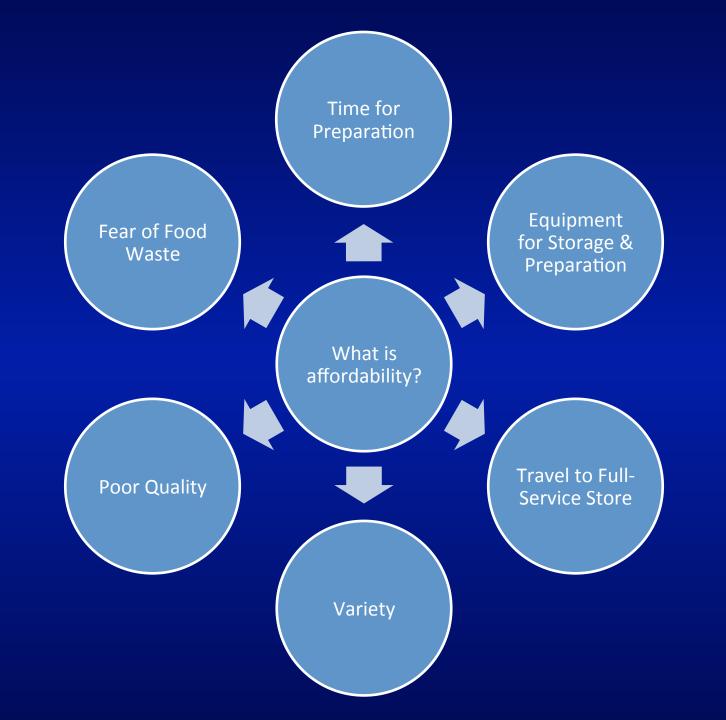


Figure 10. Relative price changes for fresh fruits and vegetables, sugars and sweets, and soft drinks, using the period 1982–84 as the baseline (index = 100), 1978–2002. Data from Food Consumption Data System, Economic Research Service, U.S. Department of Agriculture (7).

Is this really true?

"For all metrics except the price of food energy, the authors find that healthy foods cost less than less healthy foods (defined for this study as foods that are high in saturated fat, added sugar, and/or sodium, or that contribute little to meeting dietary recommendations)."

--USDA report, May 2012



Food Insecurity & Dietary Intake

- Decreased dietary variety

 "We only true one food our plo"

 "Like oatmeal, Junch, or dinner."

 This is a public
- Increased health emergency. (refined grains,
- Reduced intake of fru / vege ples, and milk/dairy
- Reduced micronutries t intake (riboflavin, niacin, B6, B12, magnesium, iron, zinc, calcium)

One Strategy: F&V Vouchers

- Reduces financial barriers
- Increased F&V intake
 - 91% of women reported they were eating a little or a lot more F&V than before the voucher
 - Youngest children in the household had greatest increases in F&V intake
- Increased traffic & sales in stores stocking F&V
- Increased turnover of highly perishable items
- Builds habits, supports local vendors & food producers

FIRST DAY TO USE	LAST DAY TO USE	1000
Pay to the order of:	Kind to buy:	EXACT PURCHASE PRICE
	ANY FRESH OR FROZEN FRUITS AND VEGETABLES WITHOUT ADDED SUGAR OR SALT, INCLUDING HERBS AND PRE-PACKAGED.	MUST NOT EXCEED \$10.00
Submit voucher to: Voucher Program Box 1364 San Francisco, CA 94143	ATTACH ITEMIZED RECEIPT OR CIRCLE ITEMS PURCHASED UCSF In collaboration with SF City and County Department of Public Health Nutrition Services	
		AUTHORIZED SIGNATURE (SIGN AT PURCHASE)

10000

PLEASE CIRCLE VEG	GETABLES AND FRUITS YOU PUR	RCHASED BEFORE PRESENTIN	IG YOUR VOUCHER
Apples/Manzanas	Cherries/Cerezas	Mandarins	Spinach/Espinacas
Apricot/Chabacano	Chilies/Chiles	Mangos	Squash/Calabasa
Artichoke/Alcachofa	Coconut/Coco	Melon	Strawberries/Fresas
Asparagus/Espárragos	Corn/Elote	Mushrooms/Hongos	Sweet potatoes/Camote
Avocados/Aguacates	Cucumbers/Pepinos	Nectarines/Nectarinas	Tomatoes
Bananas/Plátanos	Eggplant/Berenjena	Nopales	Watermelon/Sandía
Bean sprouts	Frozen Mixed Vegetables	Okra	Yucca
Beets/Betabel	Garlic/Ajo	Onions/Cebollas	Zucchini/Calabacita
Bell peppers/Pimientos	Grapes/Uvas	Oranges/Naranjas	Other/Otras
Bittermelon	Grapefruit/Toronja	Papaya	
Blackberries/Moras	Green beans/Ejotes	Peaches/Duraznos	
Blueberries/Arándanos	Greens	Pears/Peras	
Bok Choy	Guavas/Guayabas	Peas/Chícharos	-
Broccoli/Brócoli	Herbs/Hierbas	Pineapple/ Piña	
Brussels sprouts	Jicama	Plums/Ciruelas	
Cabbages/Repollo	Kiwis	Pomegranate/Granada	
Carrots/Zanahorias	Lemon	Potatoes/Papas	
Cauliflower/Coliflor	Lettuce mix/Mezcla de	Radishes/Rábanos	
Celery/Apio	Lechuga Lettuce/Lechuga	Raspberries/Frambuesas	
Chayote	Lettuce/Lechuya	Scallions/Cebolletas	

Lime/Lima

Other Strategies

- Public campaigns encouraging use of Farmer's Markets
- QUICK, SIMPLE recipes using few other ingredients
- Pre-washed, pre-cut, etc.