HUNGER AS A SOCIAL DETERMINANT OF HEALTH:

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The Impact of Social Determinants on Health

Impact of Different Factors on Risk of Premature Death

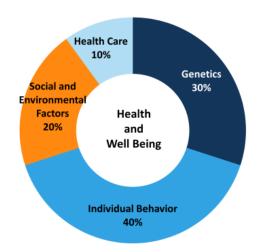


Figure 2
Social Determinants of Health

Economic Stability	Neighborhood and Physical Environment	Education	Food	Community and Social Context	Health Care System
Employment	Housing	Literacy	Hunger	Social	Health
Income	Transportation	Language	Access to	integration	coverage
Expenses	Safety	Early childhood	healthy options	Support systems	Provider availability
Debt	Parks	education	Options	Community	Provider
Medical bills	Playgrounds	Vocational training		engagement	linguistic and
Support	Walkability	Higher		Discrimination	competency
		education			Quality of care

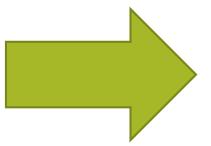
Health Outcomes

Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations



Food Banks started this journey over a decade ago with a seemingly simple question....

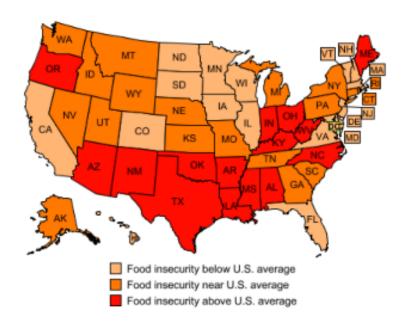
Hunger



Obesity?

Or as we used to say... "What is the hunger-obesity paradox?" Food Insecurity and Obesity rates side by side

Prevalence of food insecurity, average 2014-16



Source: USDA, Economic Research Service, using data from the December 2014, 2015, and 2016 Current Population Survey Food Security Supplements.

Prevalence¹ of Self-Reported Obesity Among U.S. Adults by State and Territory, BRFSS, 2016

¹ Prevalence estimates reflect 8RFSS methodological changes started in 2011. These estimates should not be compared to prevalence estimates before 2011.



*Sample size <50 or the relative standard error (dividing the standard error by the prevalence) ≥ 30%.</p>



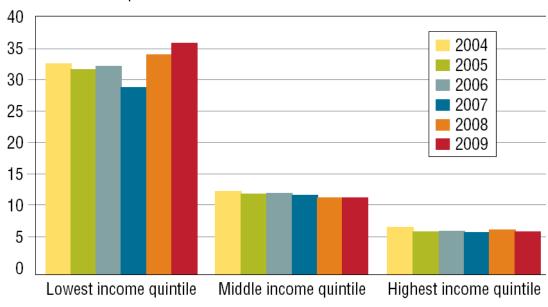
For a long time, we thought we had to <u>choose</u> a side. Team Hunger or Team Obesity? *Until* we began to explore <u>how</u> food insecurity could be connected to nutrition and health



Low income households spend the greatest portion of their income on food, and this has big implications for dietary choices

Figure 1.2 Low-Income Households Spend the Greatest Portion of Income on Food

Percent of income spent on food

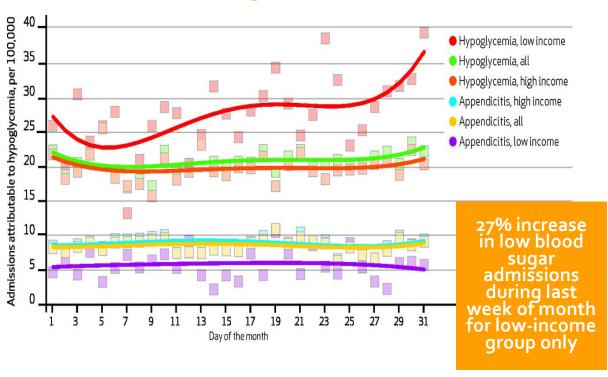


Note: Average annual incomes for the quintiles in 2009 were \$9,846 for the lowest, \$46,012 for the middle, and \$157,631 for the highest.

Source: U.S. Bureau of Labor Statistics.

The episodic nature of food insecurity has a profound impact on disease management

"In the beginning of the month I eat more meats, salads and fruits...At month's end I have to eat whatever is in the cupboard...."



Source: Seligman et al. 2014. Exhaustion Of Food Budgets At Month's End And Hospital Admissions For Hypoglycemia. *Health Affairs*, 33(1), 116-123.