

# Promoting Health in Low-Wealth Communities

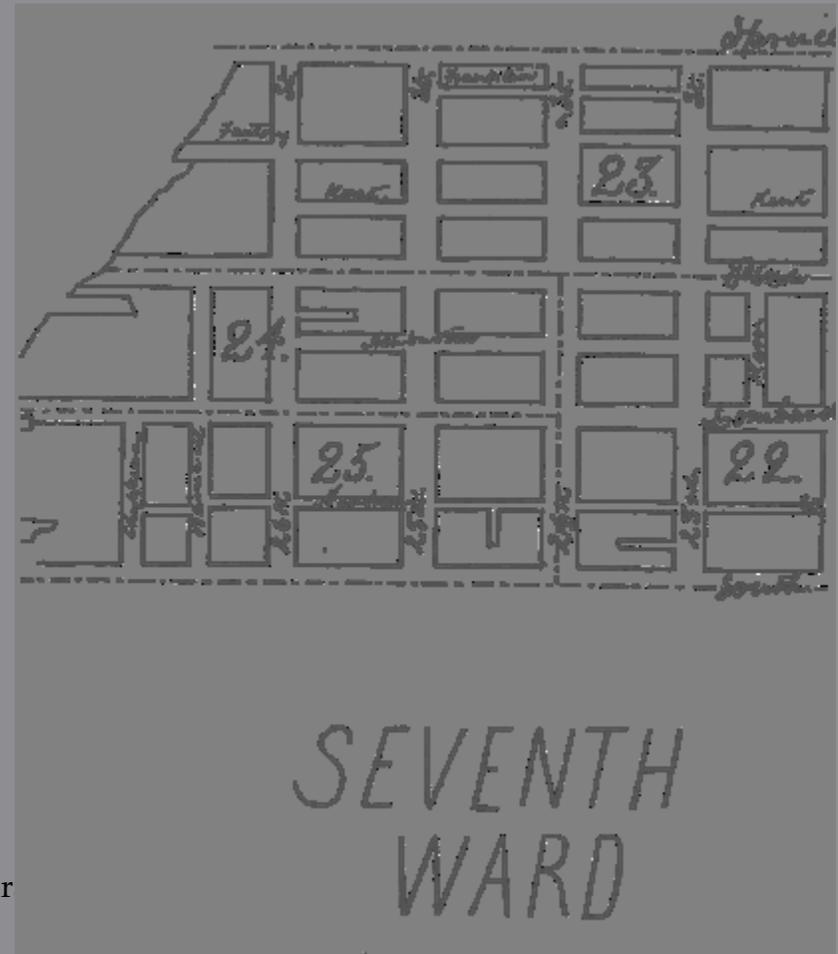
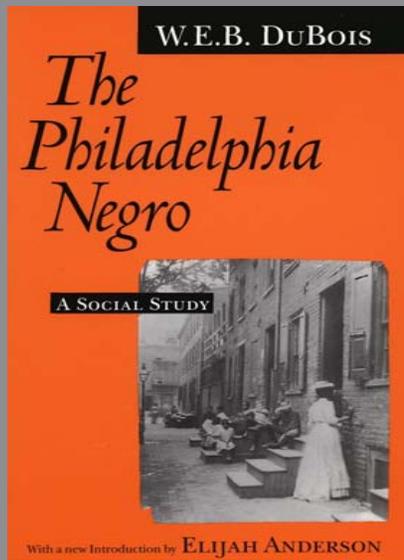
Federal Reserve Bank of Philadelphia  
Conference on Reinventing Older Communities

April 6, 2006

Amy Hillier  
Department of City and Regional Planning  
Cartographic Modeling Lab  
University of Pennsylvania

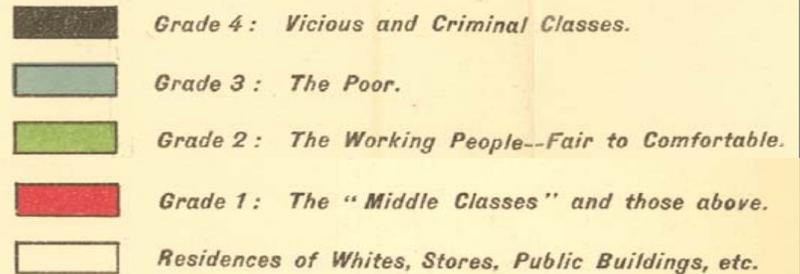
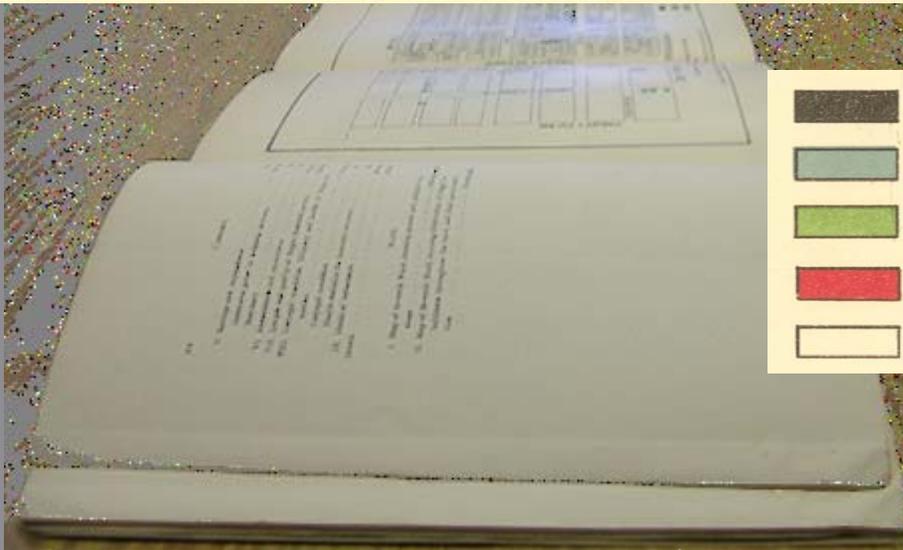
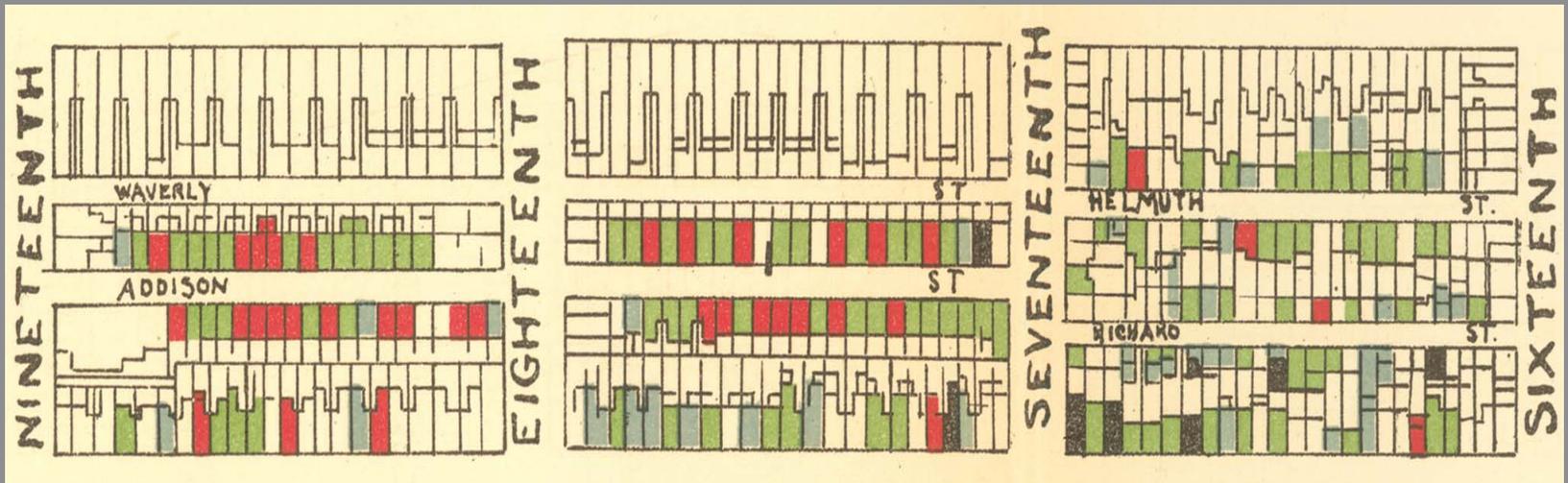
Presentation designed by Julie Donofrio

# Mapping the DuBois *Philadelphia Negro*



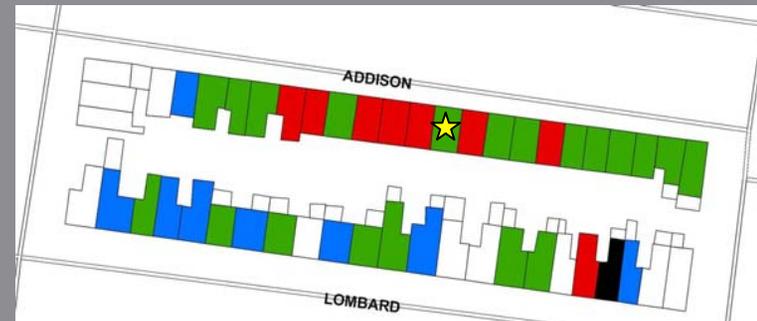
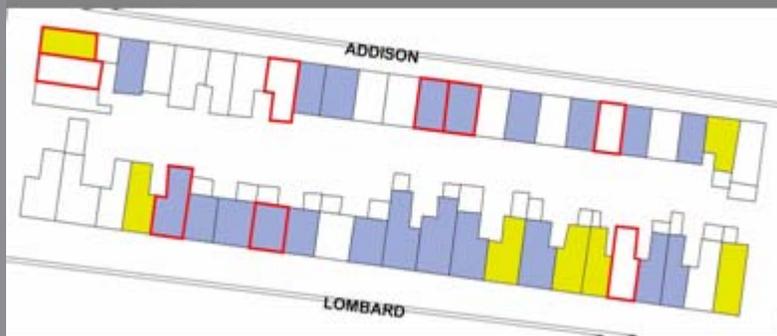
Research assistants: Benjamin Berman, Peggy Wu, Sarah Naomi Levine, Christopher Baxter

# Mapping the DuBois *Philadelphia Negro*



# Mapping the DuBois *Philadelphia Negro*

Last name	First Name	Relation	Race	AGE	BIRTH	Father	Mother	Occupation	Read	Write	English
Grimmage	Nathan	Head	B	57	PA	DE	DE	Cook	Y	Y	Y
Grimmage	Margaret	Wife	B	45	MD	MD	MD	Dressmaker	Y	Y	Y
Grimmage	Kay	Daughter	B	20	PA	PA	MD	Dressmaker	Y	Y	Y
Grimmage	Duke	Son	B	13	PA	PA	MD	At School	Y	Y	Y
Grimmage	Madeline	Daughter	B	12	PA	PA	MD	At School	Y	Y	Y
Phinnizia	Katherin	Lodger	B	48	SC	SC	SC	Dressmaker	Y	Y	Y
Turner	P.	Lodger	B	28	MD	MD	MD	Electrician	Y	Y	Y
Newman	William	Lodger	B	23	VA	VA	VA	Cook	Y	Y	Y
Turner	Bessie	Sister	B	21	MD	MD	MD	Servant	Y	Y	Y



**domestic or servant**

 anyone in household

**European Immigrant**

 first or second generation

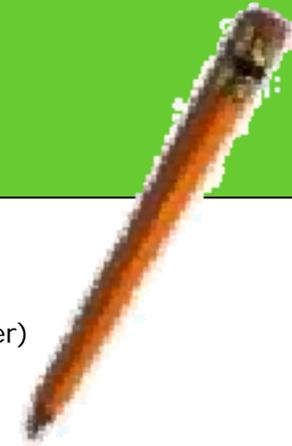
**Southern migrant**

 VA, MD, NC, TN, SC

# School Nutrition And Kids (SNAKs)

Gary Foster, PI

Funded by Centers for Disease Control and Prevention



## Student Eating and Shopping Survey

How old are you?

How do you get to school? (walk, drive, SEPTA, school bus, bike, other)

Do you eat something before you leave for school?

Do you buy anything to eat on the way to school?

How much do you spend on food on the way to school?

Do you eat breakfast at school?

Do you eat school lunch?

Where do you go after school (home, friend's house, relative's house, after school program, extended program at school, other)

How do you get home? (walk, drive, SEPTA, school bus, bike, other)

Do you buy anything to eat on the way home after school?

How much do you spend on food on the way home from school?

## Survey Results:

**75%** of the students walk to school

Over **60%** buy something to eat on the way to or from school

Kids spend an average of over **\$2.00** on food.

# SNAKs

What food and recreation opportunities are nearby the schools?

## Food Checklist

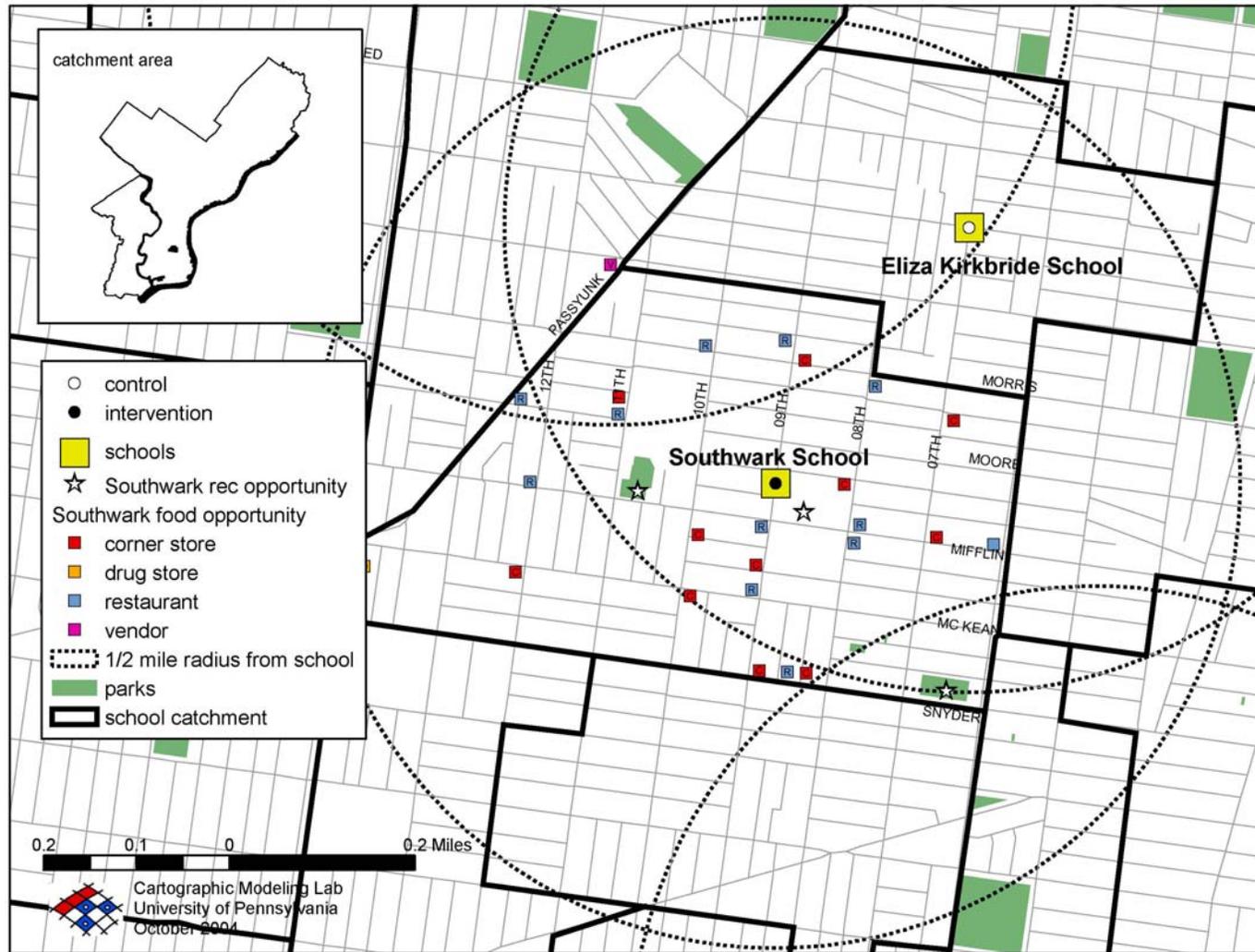
- Water
- Diet soda
- Whole milk
- 2% milk
- 1% milk
- skim milk
- 100% orange juice
- 100% apple juice
- whole wheat bread
- apples
- bananas
- oranges
- other fresh fruit
- potatoes
- onions

## Equipment Checklist

- basketball court
- baseball diamond
- hard surface playing area
- indoor pool
- outdoor pool
- slide
- swings
- jungle gym
- see saws



# SNAKs



# SNAKs

## Crime and safety factors

- Robberies (daytime and nighttime)
- Aggravated Assault, with or without a gun
- Sales/manufacturing/delivery of narcotics
- Possession of narcotics (daytime and nighttime)
- Theft from auto (daytime and nighttime)
- Retail thefts (daytime and nighttime)
- Stolen vehicles (daytime and nighttime)

## Housing conditions

- Vacant residential (foot survey)
- Vacant lots
- Properties with open code violations
- Residential sales
- Fires on property

## Demographic factors

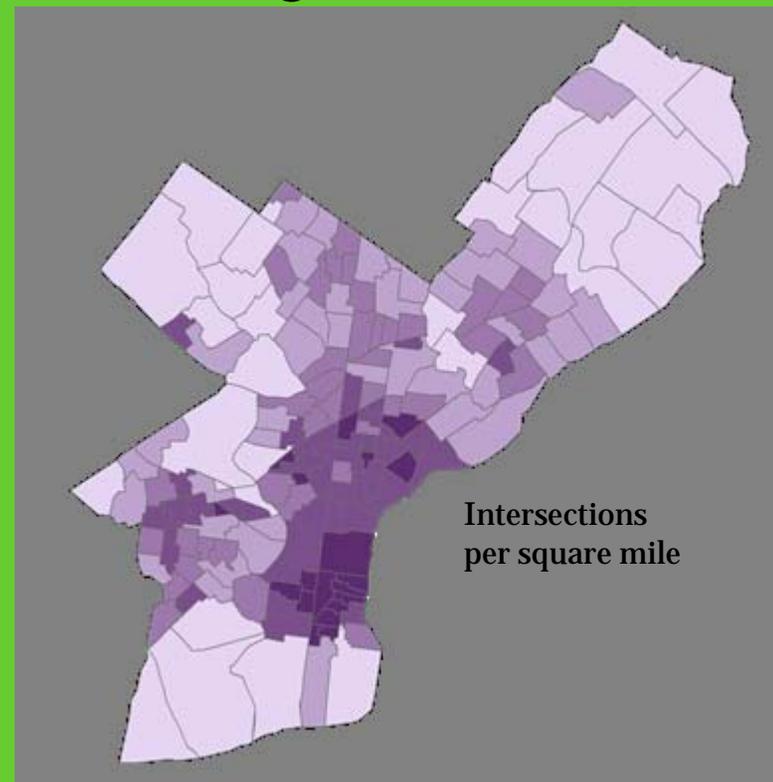
- Poverty rate
- Population increase/decrease, population density
- Single parent households

## Access to resources

- Supermarkets and grocery stores
- Parks and recreation centers
- Libraries, schools, after-school programs

What neighborhood conditions matter most?

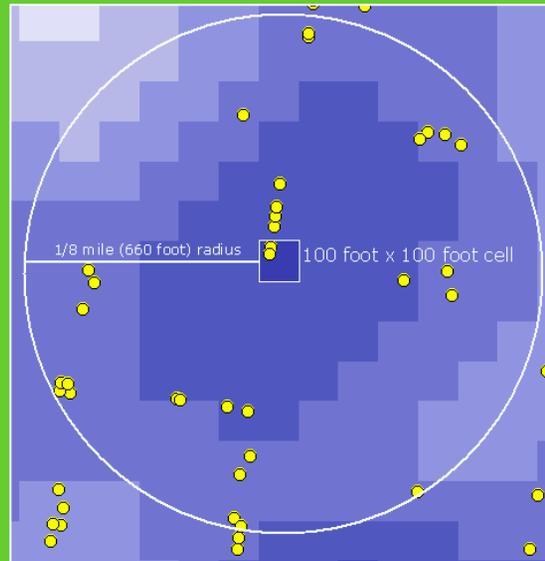
How do they correlate among themselves?



# SNAKs

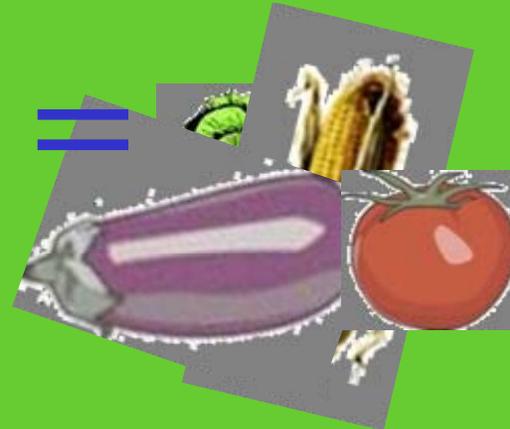
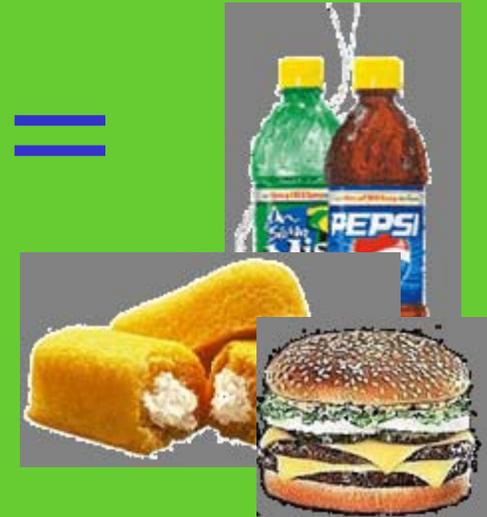
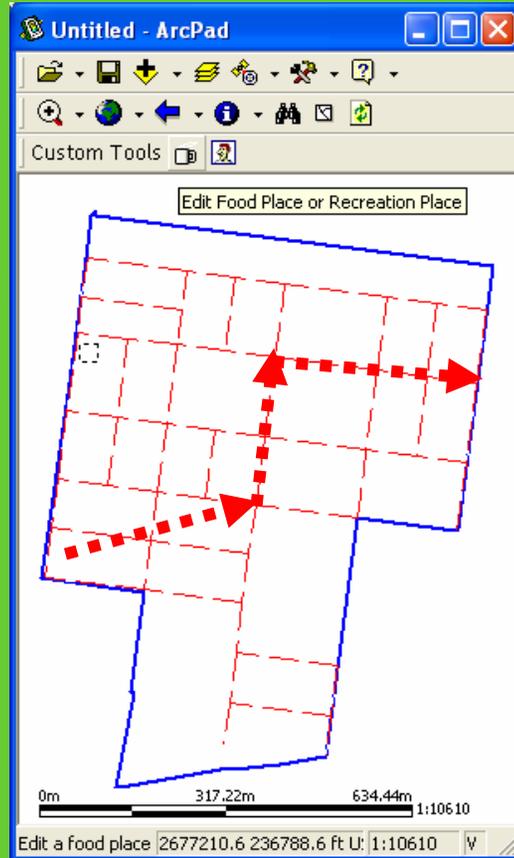
How should “neighborhood” be defined?

What is the scale of influence?



# SNAKs

Does the particular route a child takes to school expose her to more food and recreation opportunities?



Welcome to the  
**Food Environment Diary for Urban Places**



# FEDUP:

Did you eat something before leaving home?

What did you eat? *(please select)*

How much did you eat? *(please choose a portion size)*



**Cereal**



**Granola bar**



**Chips**



**muffin/donut**



**Breakfast sandwich**

# FEDUP:

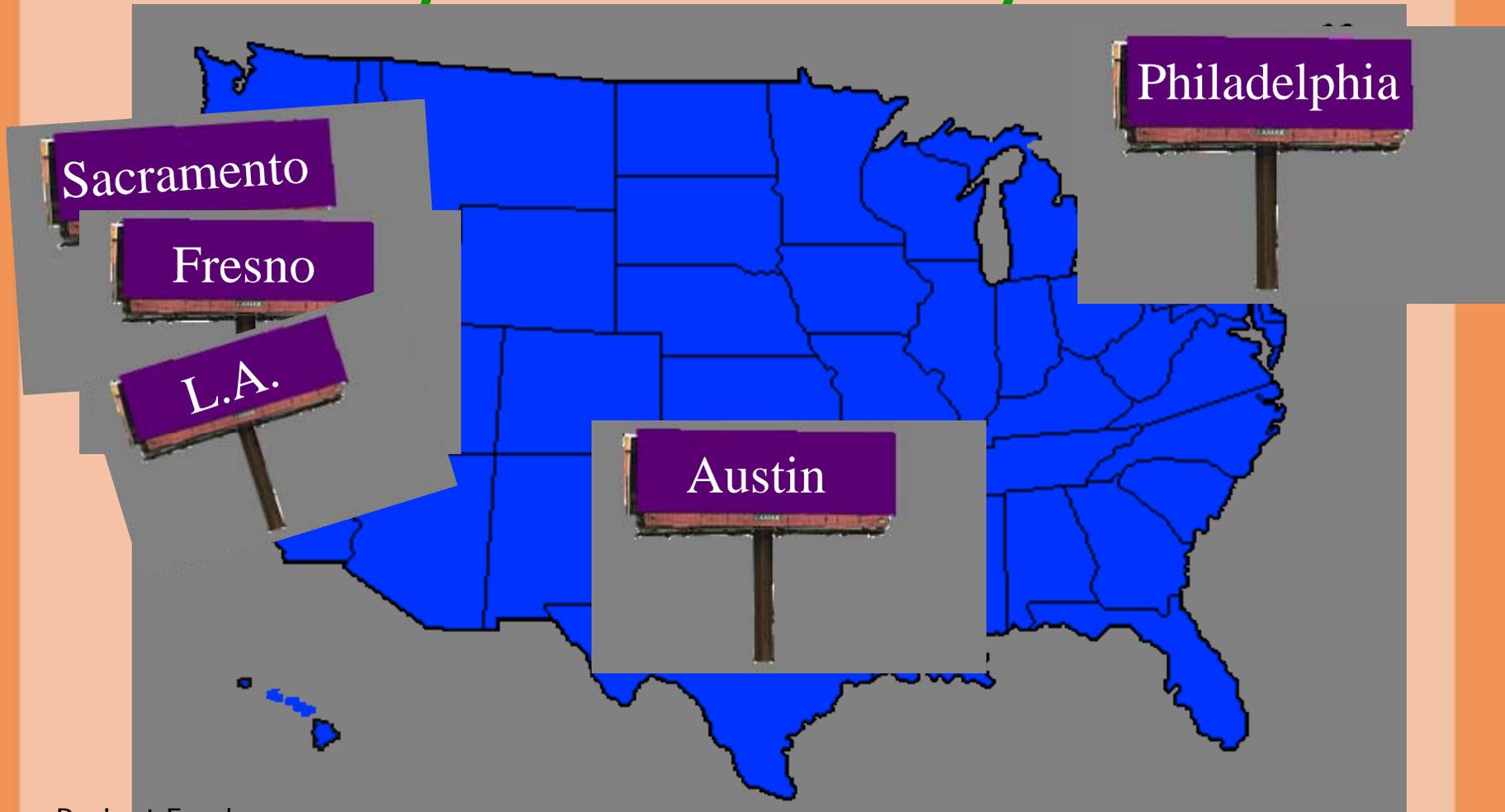
Did you drink something before leaving home?

What did you drink? *(please select)*

How much did you drink? *(please choose a portion size)*



# Five-City Billboard Study

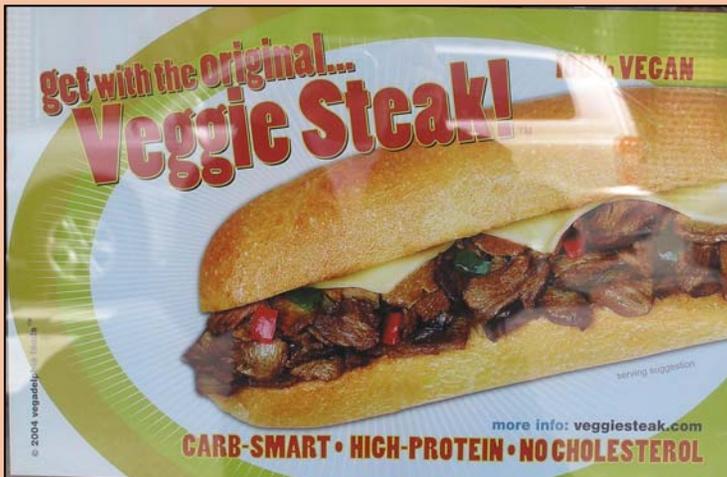
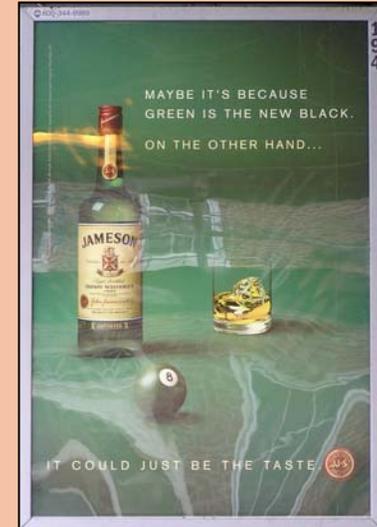


Project Funder: National Institutes of Health

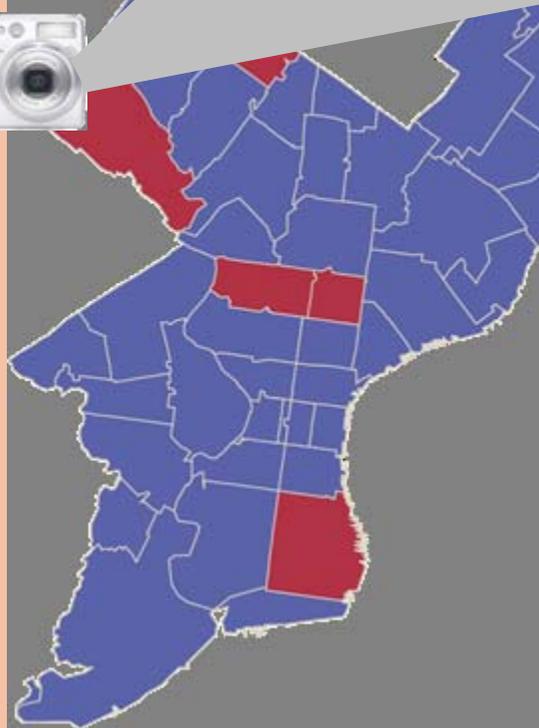
Completion date: Spring 2006

Collaborating with: Cheyney University

*Are outdoor advertisements racially targeted in their content and location?*

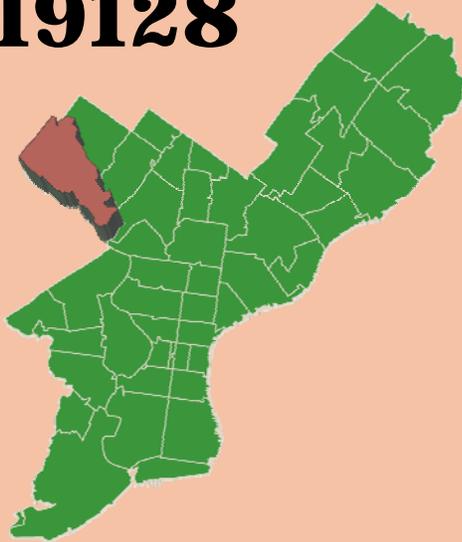


# Philadelphia Billboard Study



# Philadelphia Billboard Study

## 19128



- High Income White
- \$47,170 (1.5 times city median of \$30,746)
- 87% White (2 times city rate of 42.6%)

# Philadelphia Billboard Study

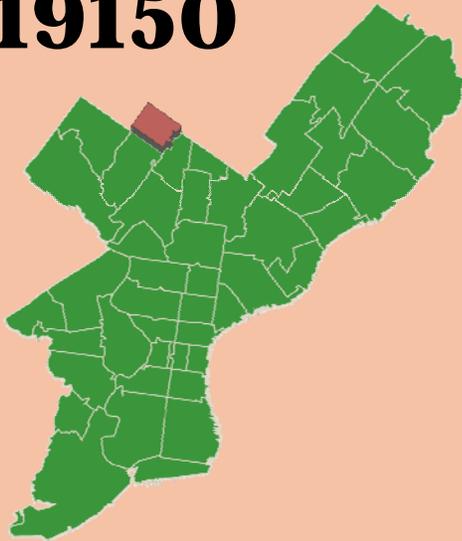
## 19133



- Low-income Hispanic
- \$14,623 (48% of city)
- 61% Hispanic (7 times city rate of 8.5%)

# Philadelphia Billboard Study

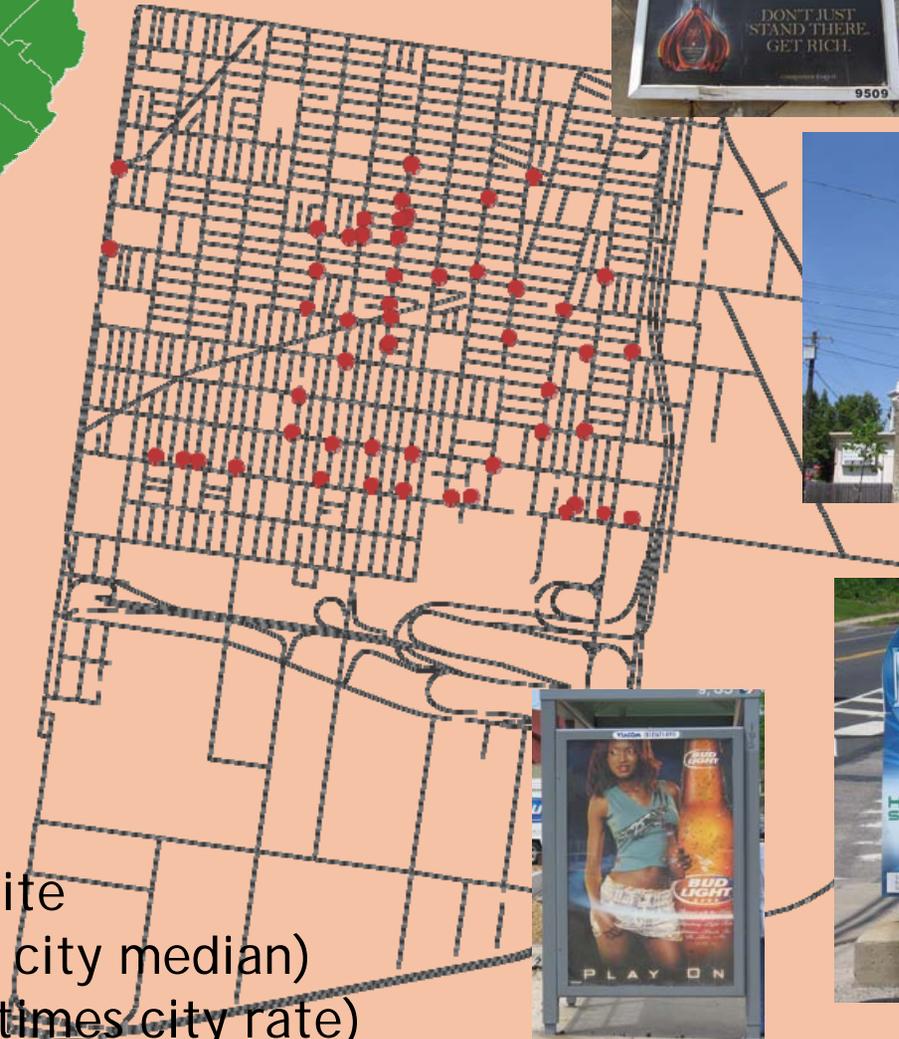
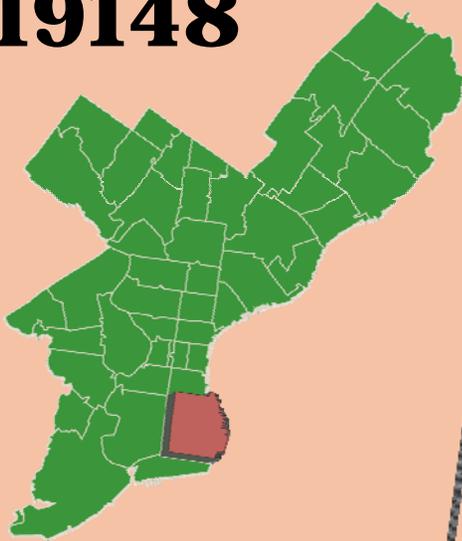
## 19150



- High-income Black
- \$46,380 (1.5 times city median)
- 95% Black (2.2 times city rate—42.5%)

# Philadelphia Billboard Study

## 19148

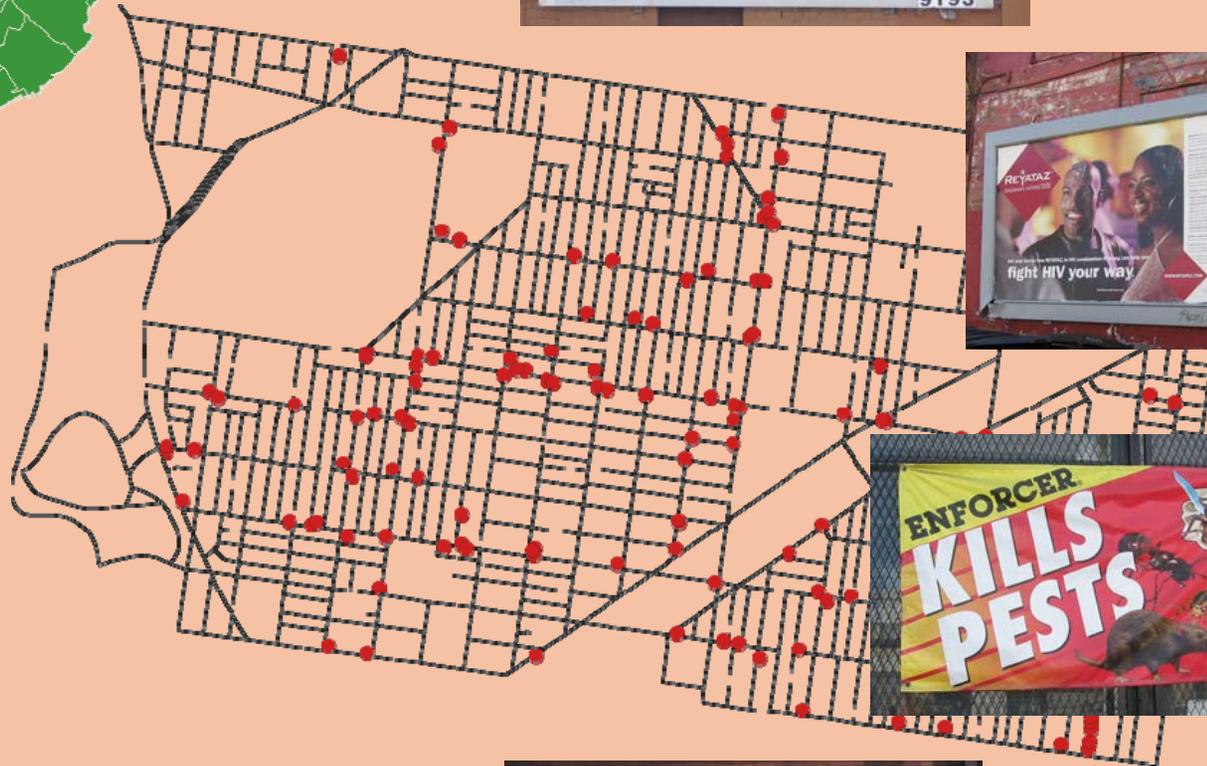


- Low-income White
- \$28,689 (93% of city median)
- 72% White (1.7 times city rate)



# Philadelphia Billboard Study

## 19132



- Low-income Black
- \$19,437 (63% of city)
- 97% Black (2.3 times city rate)

