

# **THE BUILT ENVIRONMENT & HEALTH**


**HALLEY REEVES, MPH, MCP**  
**OFFICE OF COMMUNITY HEALTH PLANNING AND ENGAGEMENT**  
**DIVISION OF PREVENTION AND WELLNESS**  
**MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH**  
**HALLEY.REEVES@STATE.MA.US**



***WHAT MAKES YOU  
WHO YOU ARE?***



**WHERE  
YOU ARE  
FROM!**

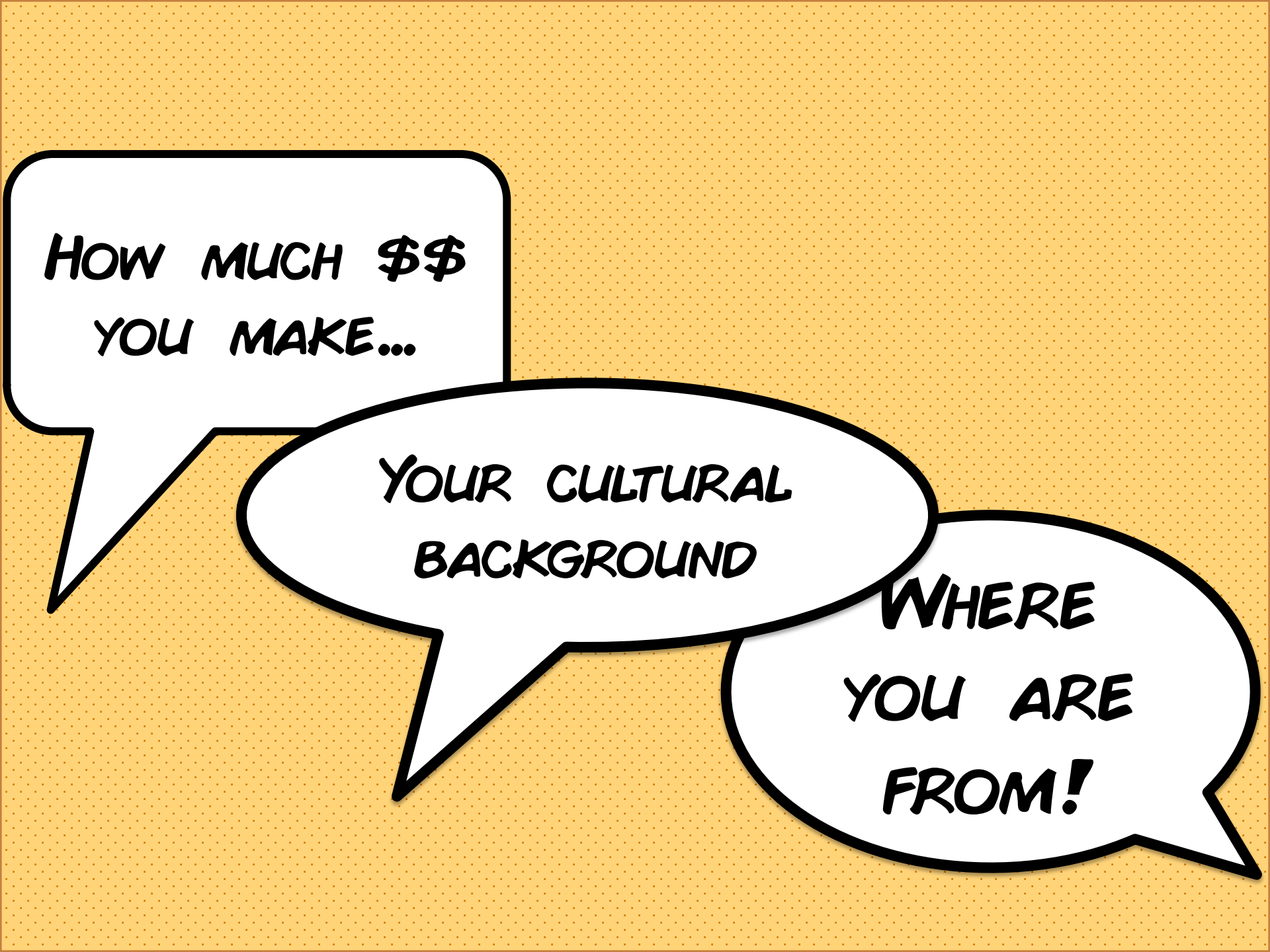


**HOW MUCH \$\$  
YOU MAKE...**



**WHERE  
YOU ARE  
FROM!**





**HOW MUCH \$\$  
YOU MAKE...**

**YOUR CULTURAL  
BACKGROUND**

**WHERE  
YOU ARE  
FROM!**

**HOW MUCH \$\$  
YOU MAKE...**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**WHERE  
YOU ARE  
FROM!**

**HOW MUCH \$\$  
YOU MAKE...**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**WHERE  
YOU ARE  
FROM!**

**YOUR  
JOB**

**HOW MUCH \$\$  
YOU MAKE...**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**YOUR  
RACE**

**YOUR  
JOB**

**WHERE  
YOU ARE  
FROM!**

**HOW MUCH \$\$  
YOU MAKE...**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**YOUR  
RACE**

**YOUR  
JOB**

**WHERE  
YOU ARE  
FROM!**

**HOW MUCH \$\$  
YOU MAKE...**

**FAMILY  
BACKGROUND**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**YOUR  
RACE**

**YOUR  
JOB**

**WHERE  
YOU ARE  
FROM!**

**YOUR  
JOB**

**HOW MUCH \$\$  
YOU MAKE...**

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JOB**

**WHERE  
YOU ARE  
FROM!**

**YOUR  
JOB**

**HOW MUCH \$\$  
YOU MAKE...**

**FAMILY  
BACKGROUND**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**YOUR  
RACE**

**YOUR  
AGE**

**YOUR  
JOB**

**WHERE  
YOU ARE  
FROM!**



**YOUR  
JOB**

**HOW MUCH \$\$  
YOU MAKE...**

**FAMILY  
BACKGROUND**

**SOCIAL  
NETWORKS**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**YOUR  
RACE**

**YOUR  
AGE**

**YOUR  
JOB**

**WHERE  
YOU ARE  
FROM!**

**YOUR  
JOB**

**HOW MUCH \$\$  
YOU MAKE...**

**FAMILY  
BACKGROUND**

**SOCIAL  
NETWORKS**

**SEXUAL  
ORIENTATION**

**MARITAL  
STATUS**

**YOUR CULTURAL  
BACKGROUND**

**YOUR  
RACE**

**YOUR  
AGE**

**YOUR  
JOB**

**WHERE  
YOU ARE  
FROM!**

# MORAL OF THE STORY:

YOUR

SOCIAL

NETWORKS

YOUR FAMILY  
BACKGROUND

SEXUAL  
ORIENTATION

MARITAL  
STATUS

YOUR CULTURAL  
BACKGROUND

YOUR  
RACE

YOUR  
AGE

YOUR  
JOB

WHERE  
YOU ARE  
FROM!

**MORAL OF THE**

**STORY:**

**ALL OF THIS IMPACTS**

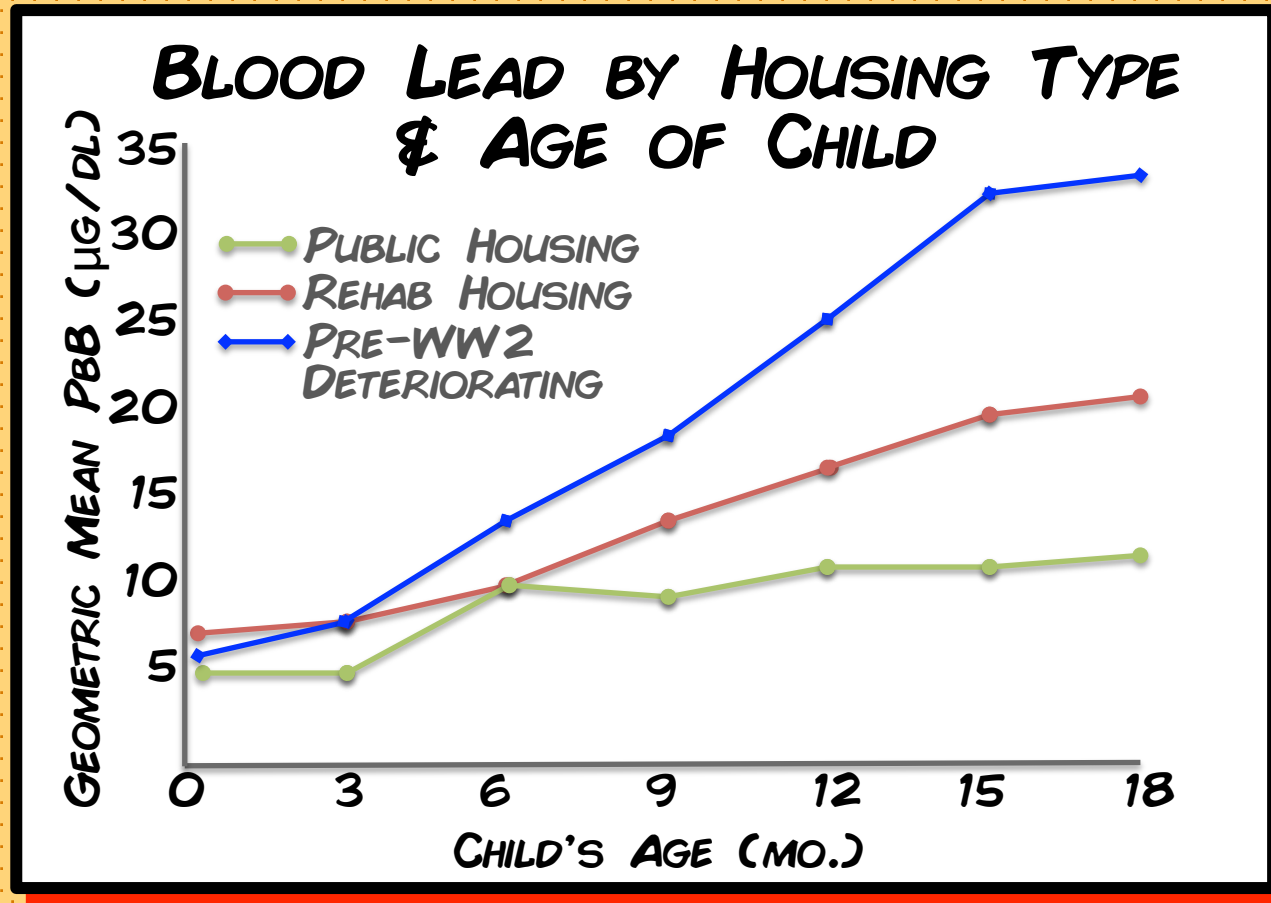
**HEALTH...**

**IN VARIOUS WAYS AND**

**OFTEN UNEQUALLY!**

# HOUSING & BLOOD LEAD

Source: Clark, C. S., et al, "Condition and type of housing as an indicator of potential environmental lead exposure and pediatric blood lead levels." Environmental Research 38:1 (1985): 46-53.



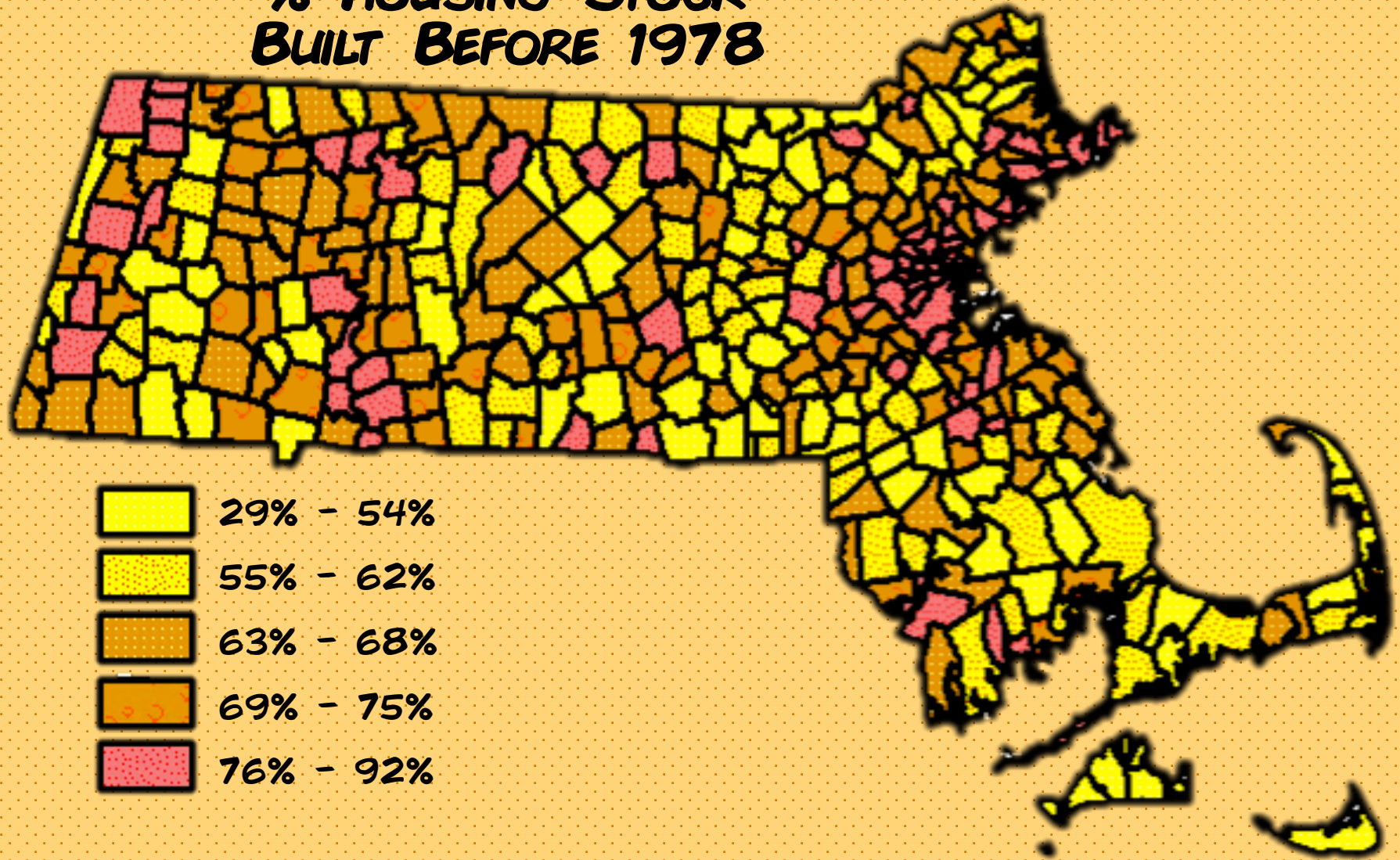
# **HOUSING & BLOOD LEAD**



*HOW DO YOU INCORPORATE  
THIS KNOWLEDGE IN YOUR  
WORK?*

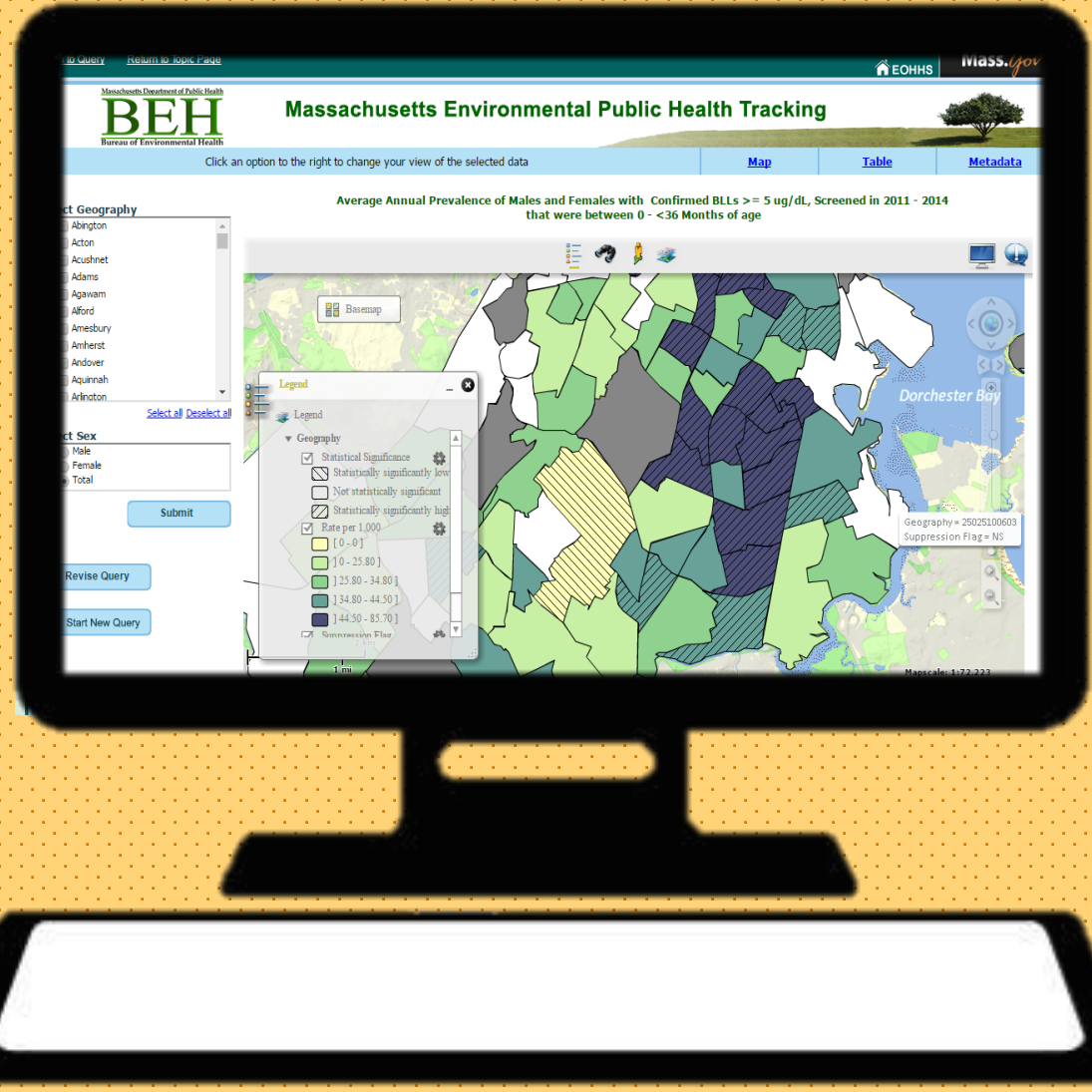
# HOUSING & BLOOD LEAD

% HOUSING STOCK  
BUILT BEFORE 1978

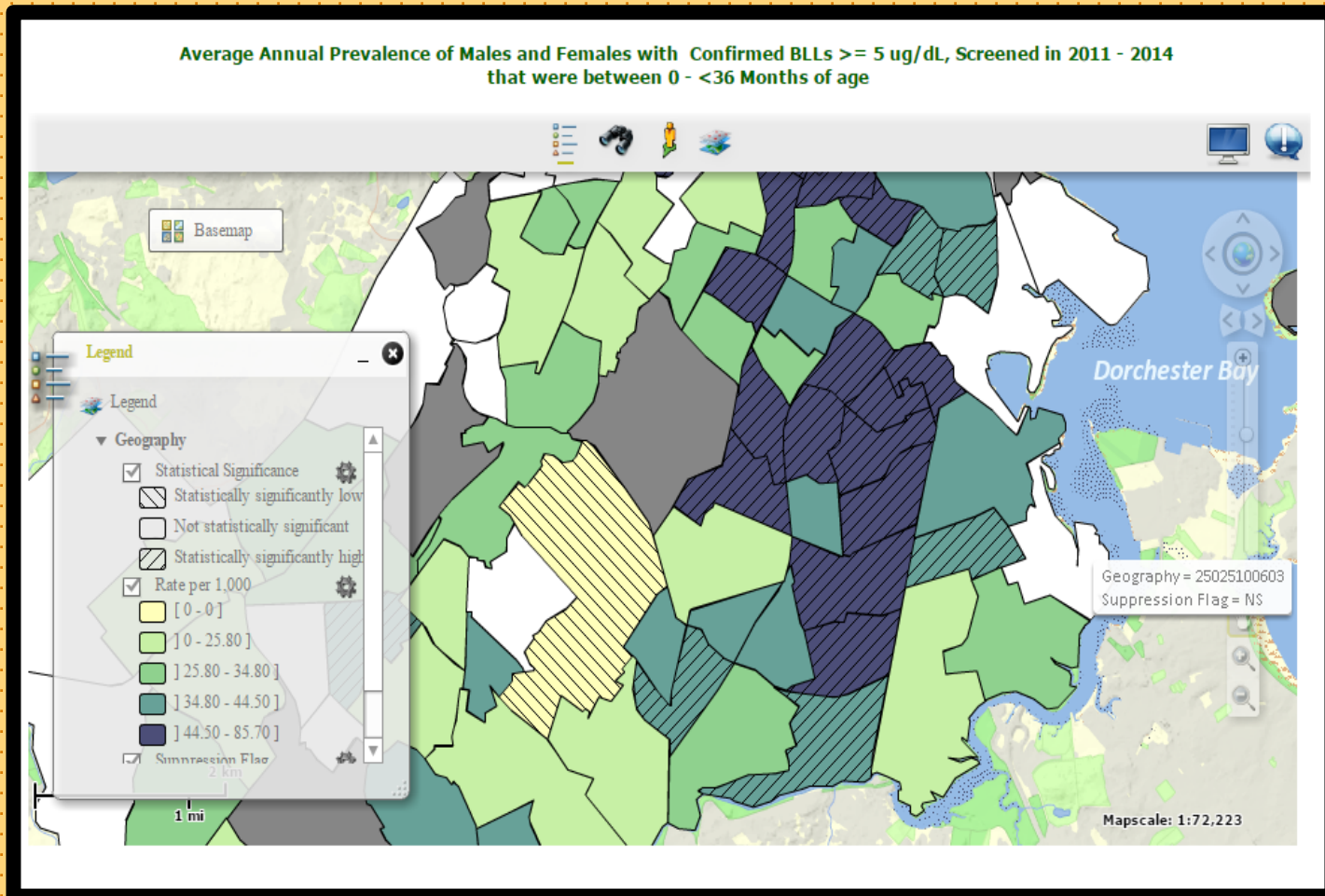




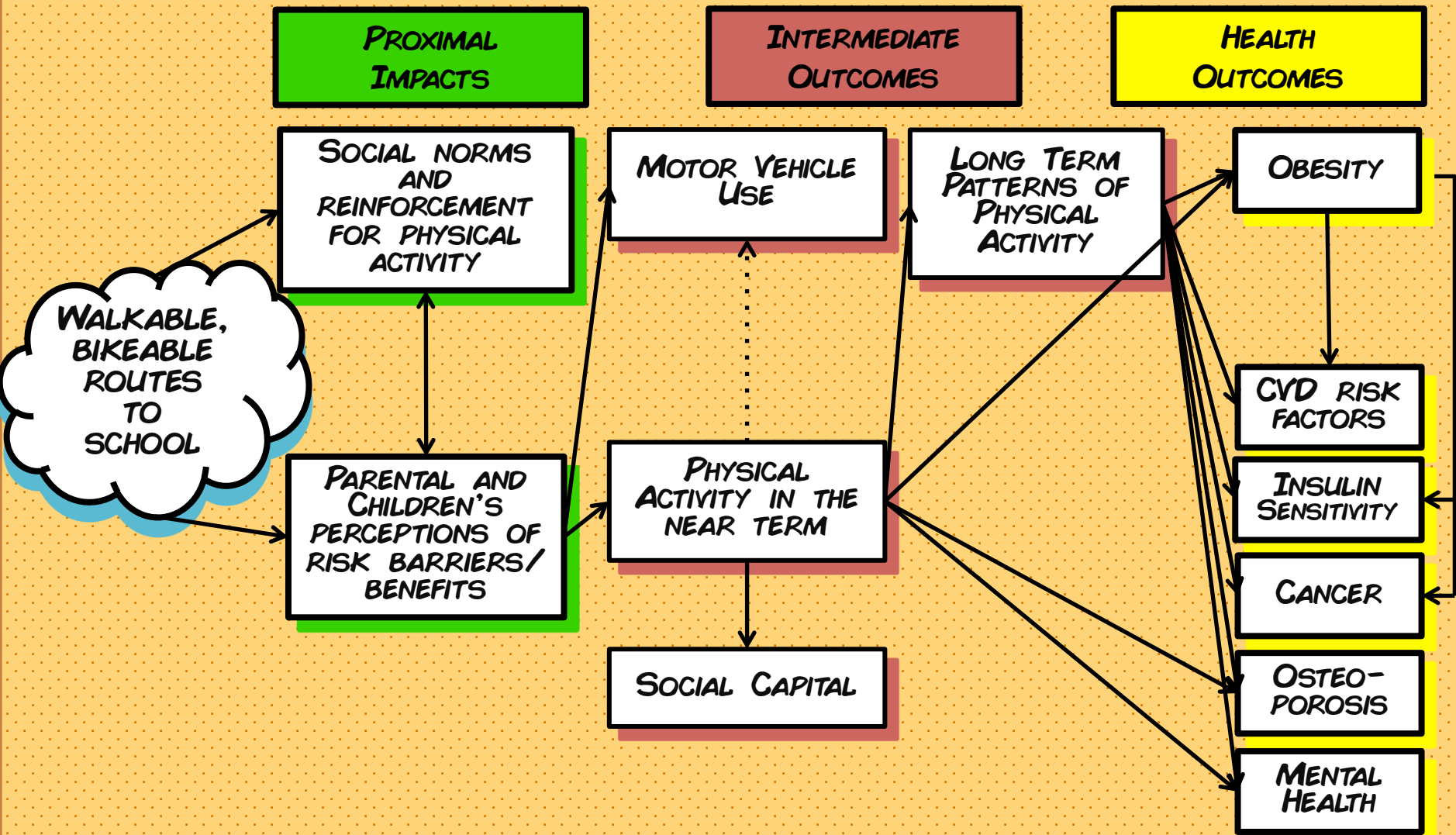




# BLOOD LEAD CHILDREN



# LOGIC FRAMEWORK FOR WALK/BIKE TO SCHOOL

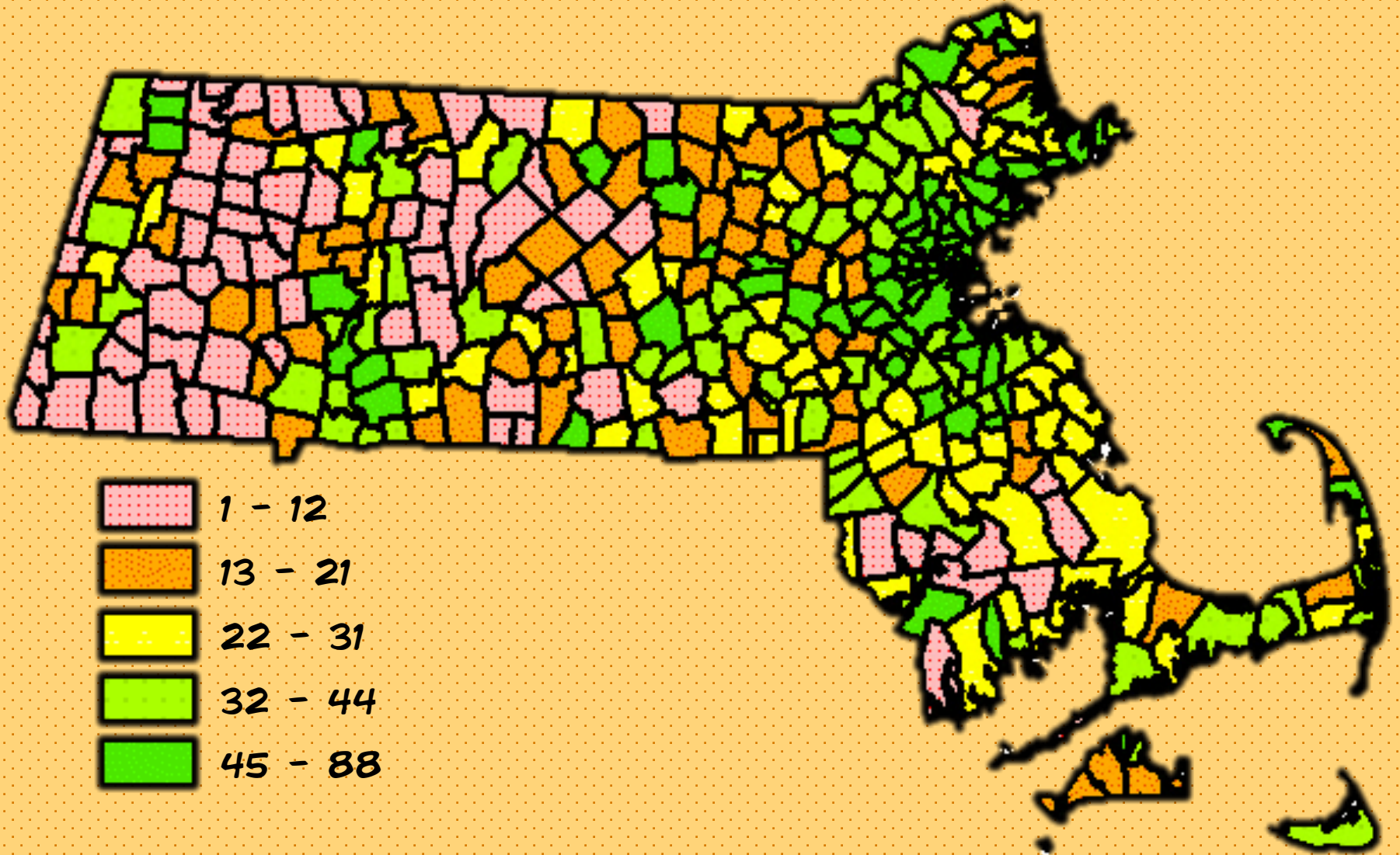


# **WALKABILITY**



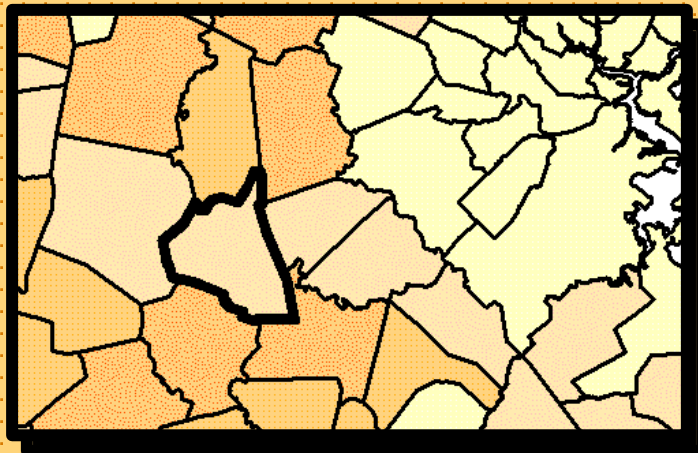
*HOW DO YOU INCORPORATE  
THIS KNOWLEDGE IN YOUR  
WORK?*

# WALKSCORE: MUNICIPAL WEIGHTED AVERAGE





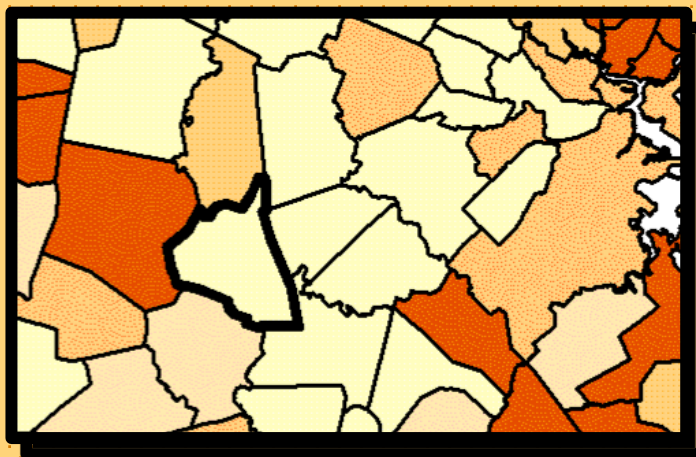
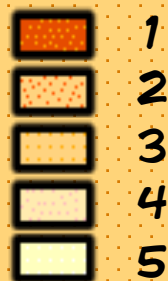
# WALKSCORE & PHYSICAL ACTIVITY



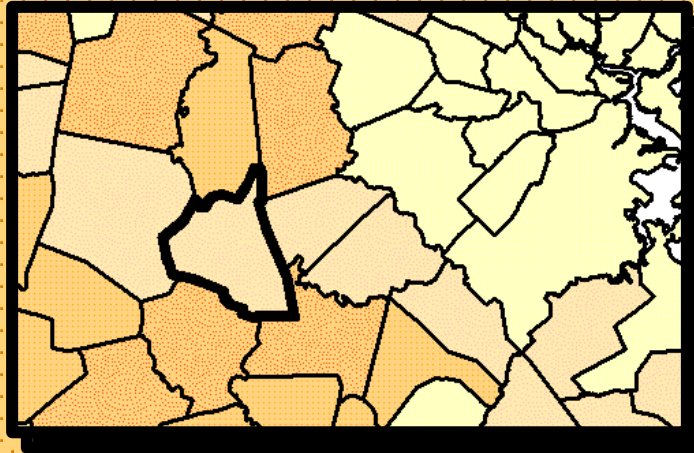
## WALKSCORE



## ANY PHYSICAL ACTIVITY IN THE PAST 30 DAYS



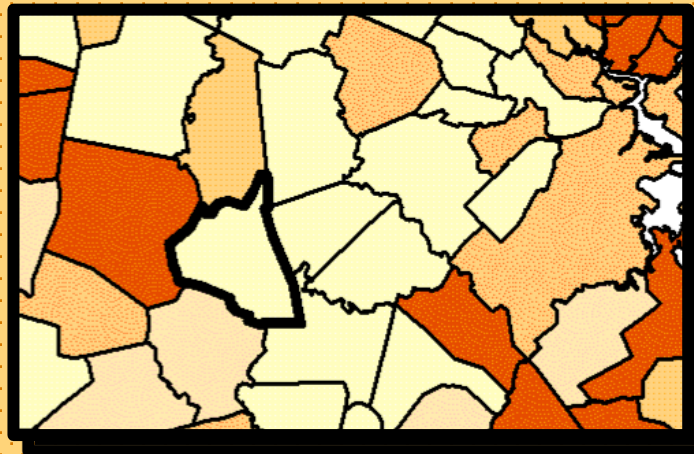
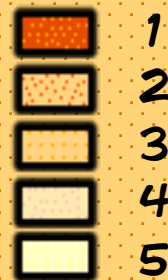
# NATICK, HEAVEN ON EARTH???



## WALKSCORE



## ANY PHYSICAL ACTIVITY IN THE PAST 30 DAYS



# **HAVING A SUPERMARKET NEARBY MEANS:**

- **INCREASED ACCESS TO  
HEALTHY FOODS**
- **INCREASED HEALTHY  
FOOD CONSUMPTION**
- **REDUCED OBESITY RATES**



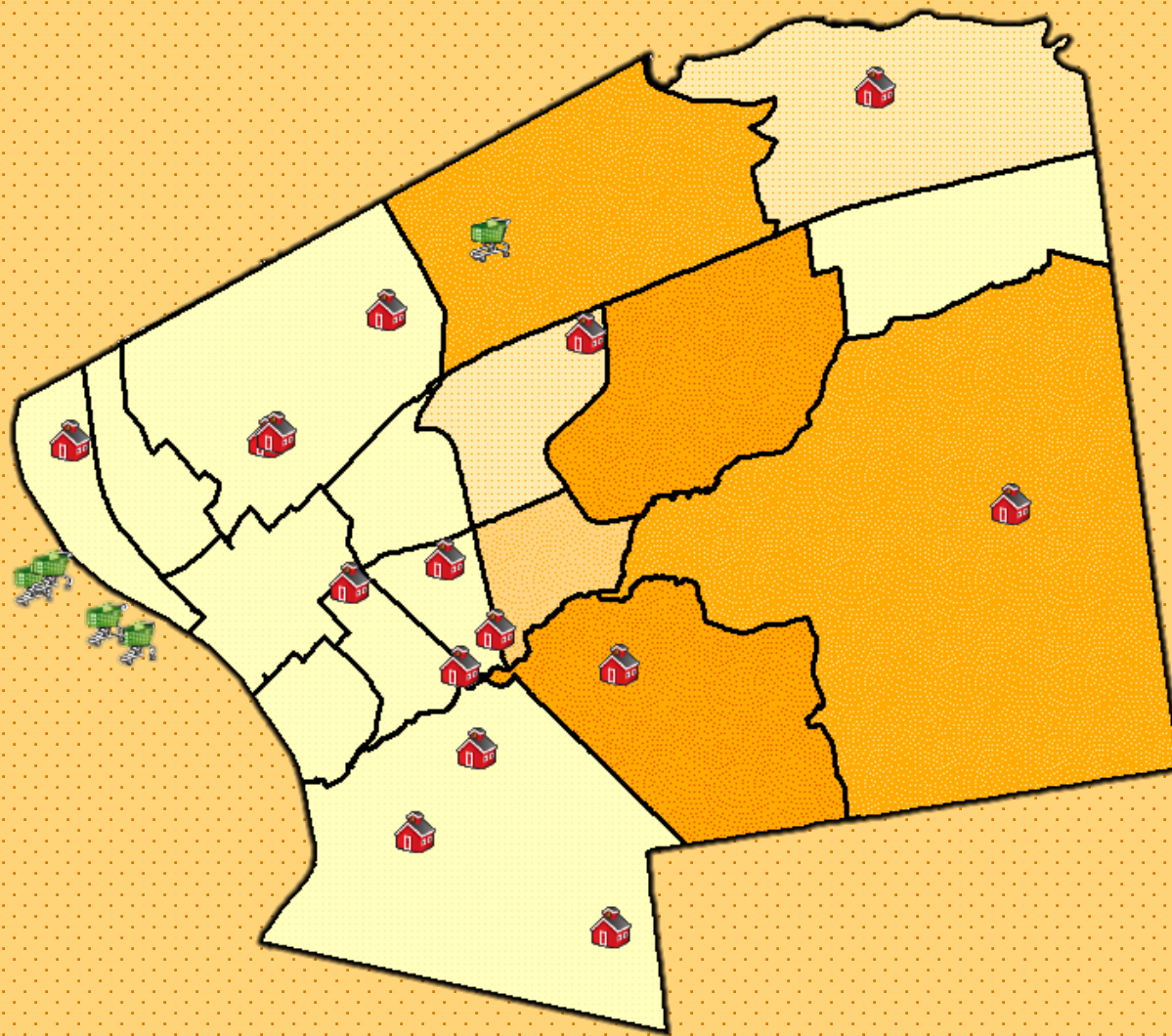


# **FOOD ACCESS**




*HOW DO YOU INCORPORATE  
THIS KNOWLEDGE IN YOUR  
WORK?*


# PERCENT OF POPULATION WITH LOW ACCESS TO HEALTHY FOODS





 COMMUNITY OR  
SCHOOL GARDEN


 GROCERY / MARKET

 0% - 1.5%

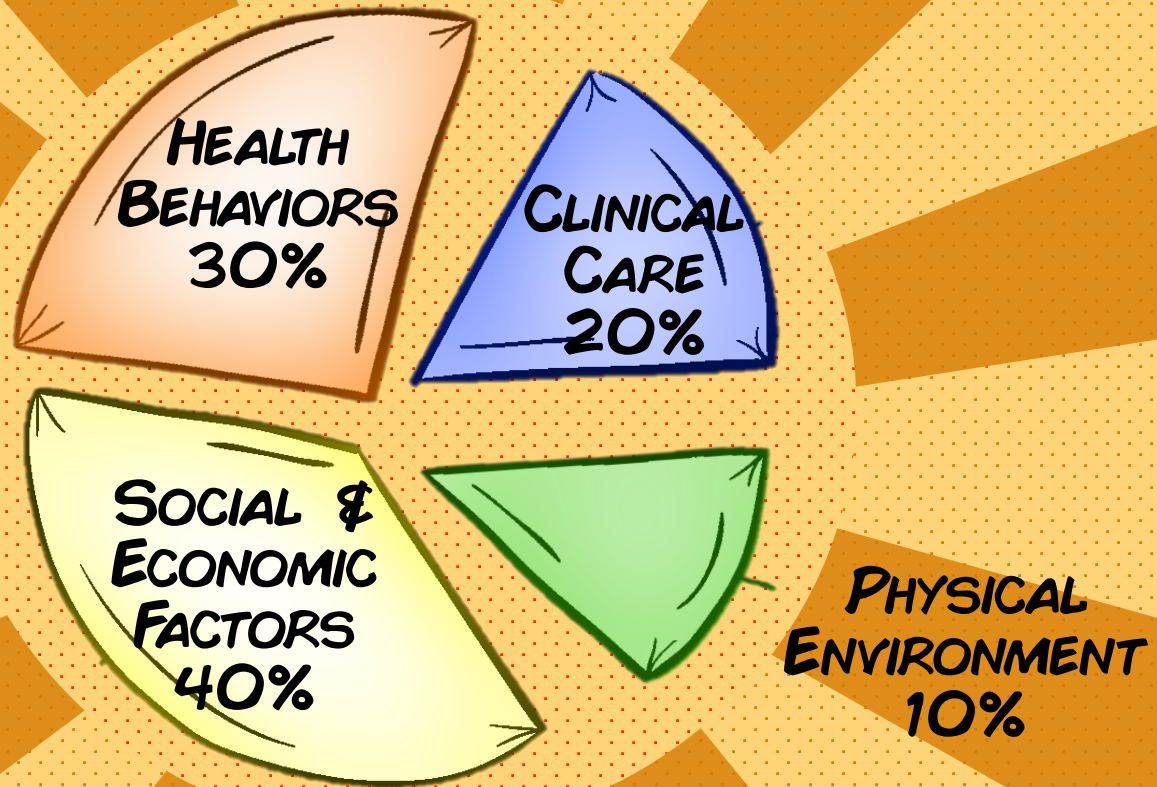
 1.6% - 6.1%

 6.2% - 6.9%

 7% - 16.4%

 16.5% - 32%

# WHAT IMPACTS HEALTH?



The background features a large, stylized sun with a yellow center and a white dotted ring, surrounded by orange and yellow rays. Below the sun are several layers of blue and white clouds.

# **THANK YOU!**

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