

PATHWAYS TO URBAN SUSTAINABILITY

A Healthy and Green Housing, the First Step for Sustainable Communities



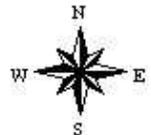
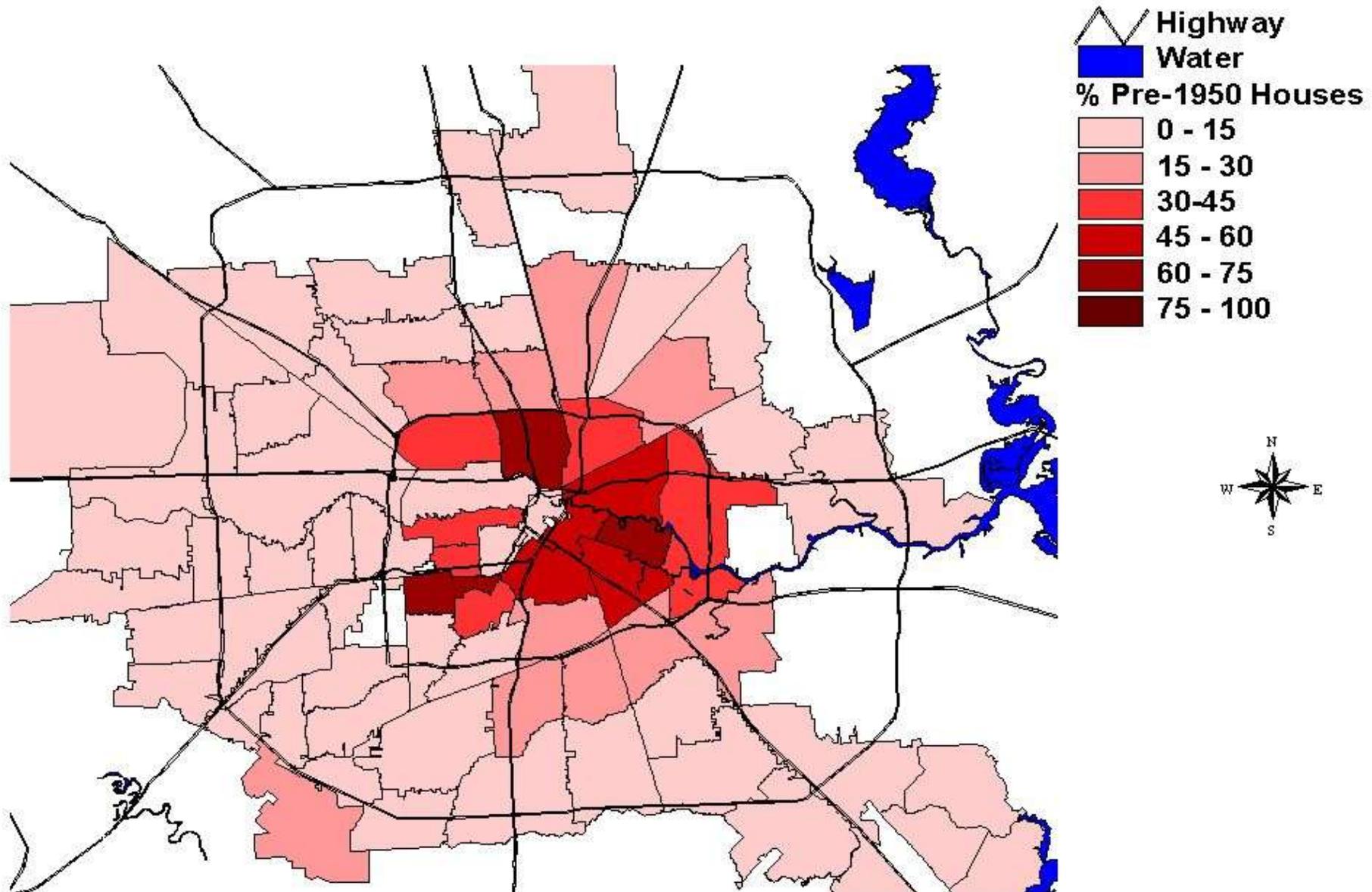
Houston Department of Health and Human Services

April 24, 2012

“Number 1 Environmental Hazard is the crummy substandard housing, [full of] lead-based paint, mold, pest infestation and asthma triggers [that] continue to plague low income neighborhoods”.

***Don Ryan
National Center for Healthy Housing Board
member***

Percent of Houses Built Before 1950, by Zip Code



Map represents best information available to City.
City of Houston does not warrant its accuracy/completeness.
Field verification should be done as necessary.

SOURCE: U.S. Census 1990

HEALTH

Primary Prevention

Secondary Prevention

Epidemiologic Triangle

HOUSING

Well constructed

Well maintained

Dry

Clean

Pest-free

Ventilated

Safe

Avoid contaminants

Lead
Radon

Allergens/asthma
Combustion products
Unintentional Injuries
Insects and Rodents
Mold and Moisture
Pesticides
Asbestos
Fire

Why Do We Care About Healthy Housing?



Young children and seniors spend **nearly 80%-90%** of time inside.

Housing affects health both directly and indirectly:

Physical, chemical, biological exposures

- **Psychological**



BARRIERS

COLLABORATION

PARTNERS

HEALTH DEPARTMENTS

LEVEL OF AWARENESS

DUPLICATION OF EFFORTS

POLICIES

CULTURE

RESOURCES

LOCAL HUD

LEAD POISONING

HOUSING

LANGUAGE

\$\$\$FUNDING \$\$\$

ASTHMA

CBO

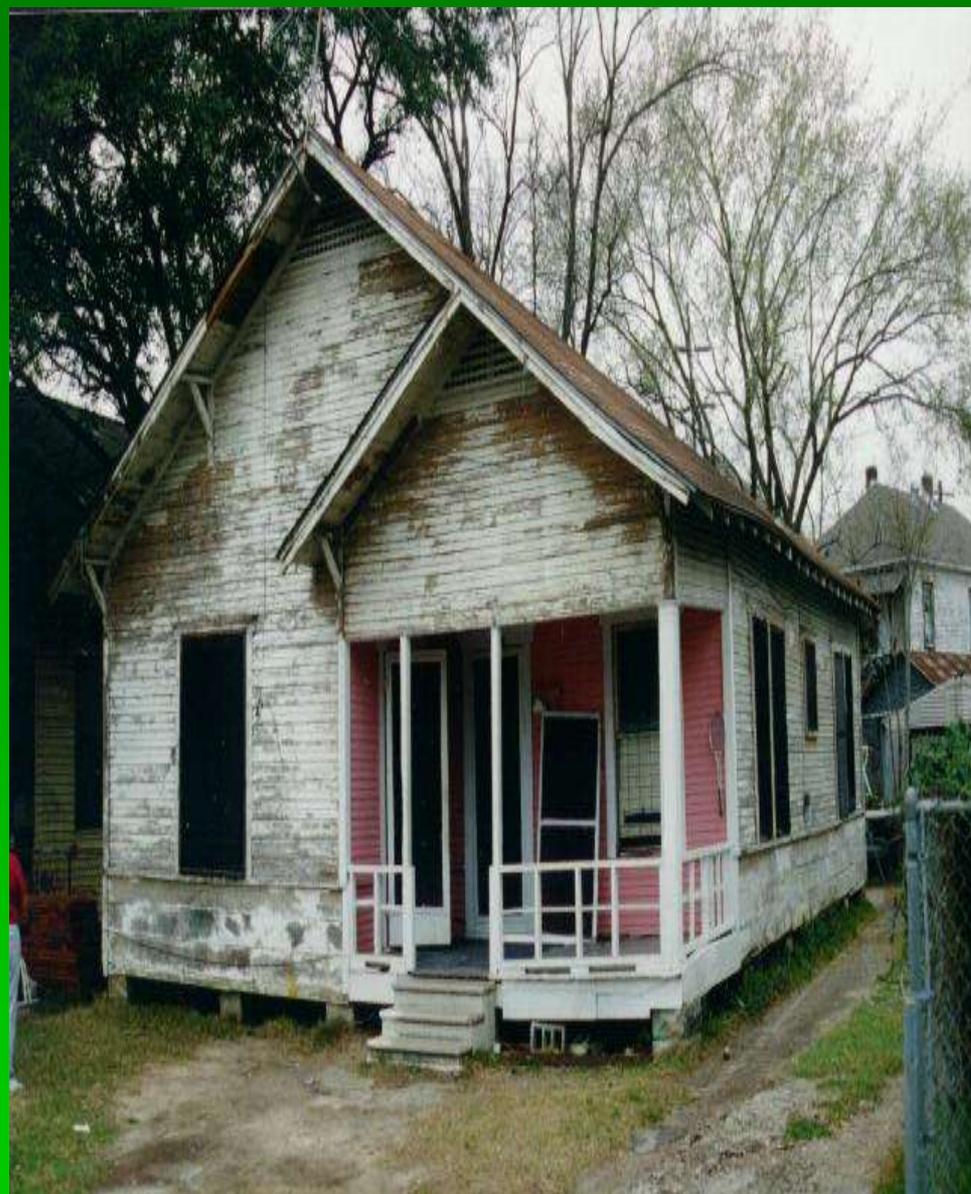
COMMUNICATION

PHYSICIANS

DATA COLLECTION

LEGISLATION

ADEQUATE SURVEILLANCE





CUSHNETT

STOP



03/18/2008

Hazards.....

Water Damage To Home.





06/02/2008

Hazards.....



7 principles of Healthy Housing

- **Dry**
- **Clean**
- **Pest-Free**
- **Safe**
- **Contaminant-Free**
- **Ventilated**
- **Maintained**

Why Do We Care About Healthy Schools

You and your family's health may be affected by the condition of your school. Here are health issues you may be concerned about:

- **Asthma**
- Allergies
- Lung Cancer
- Injuries
- Poisonings
- Behavior and Learning Problems





Which factor is the most important to make the community more Resilient and Sustainable?

Houston Department of Health and Human Services

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