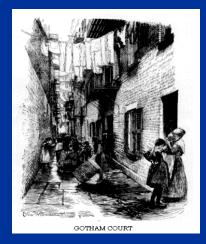
No place like home: Creating safe and healthy homes for all people

By Rebecca Morley
National Center for Healthy Housing

Presentation Topics

- Why do we care about healthy housing?
- What are the priority hazards in the home?
- What "intervention" strategies work for addressing housing-related hazards?
- What types of policies and programs are needed to improve housing?

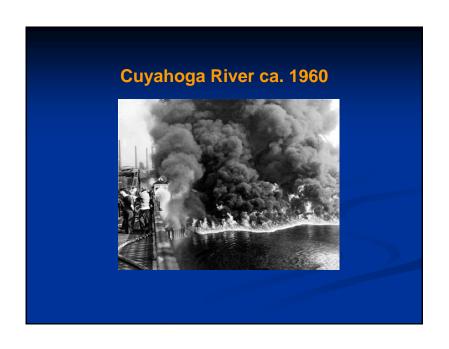
Housing Then...



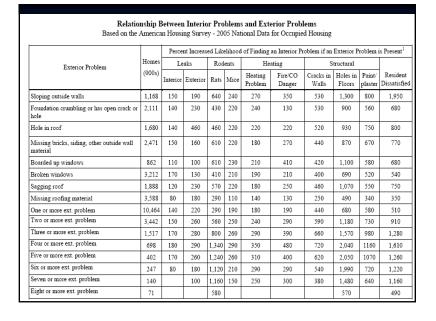
Is Housing a Shared Commons? Is Housing Part of the Infrastructure?

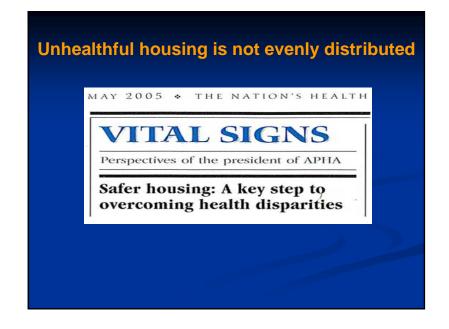
What is The Commons?

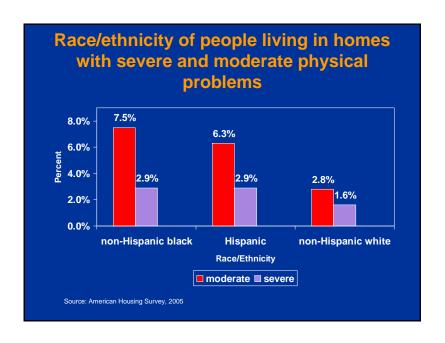
"The commons is everywhere. It is the air we breathe, the words we speak, the traditions we respect. It is tangible and intangible, ancient and modern, local and global. It is everything we inherit together, as part of a community, as distinct from things we inherit individually. It is everything that is not privately or state-owned. ..."

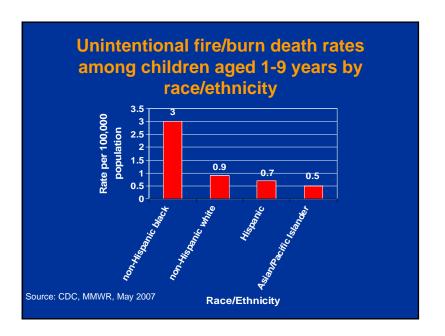


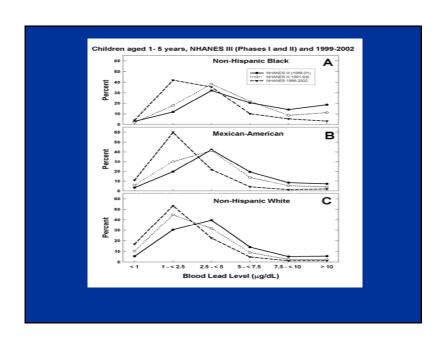






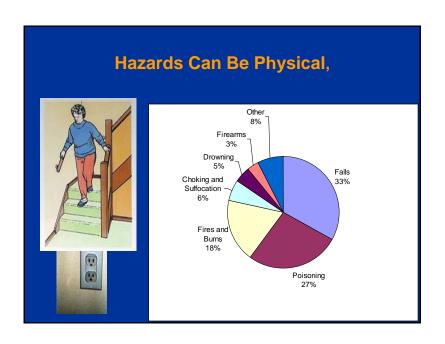




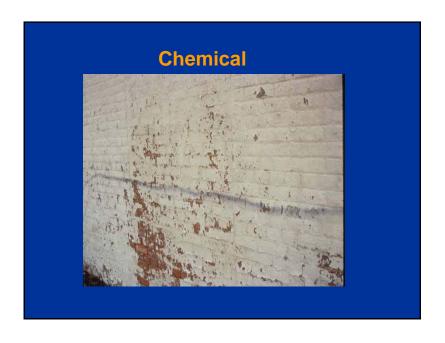


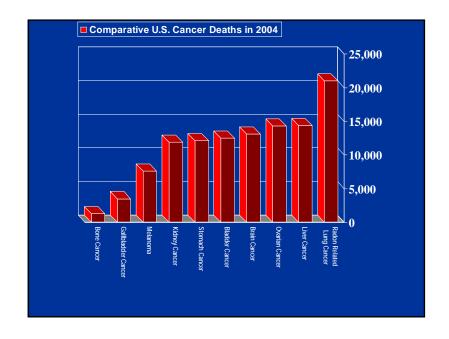
Health Care and Productivity Costs for Illnesses and Injuries:

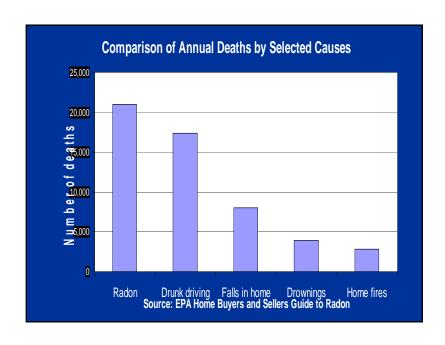
- Asthma-\$18.3 billion a year
 - \$10.1 billion in direct medical costs
 - \$8.2 billion in lost work/school
- Injuries
 - Burns-\$7.5 billion a year
 - Falls in 2000-\$81 billion in lifetime costs
- Depression-\$83.1 billion in lifetime costs
 - \$26.1 billion in medical care
 - \$5.4 billion mortality costs related to suicide
 - \$51.5 billion in lost productivity

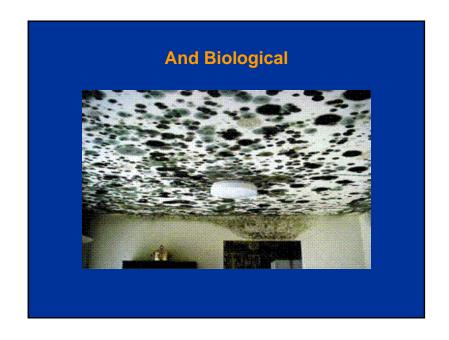


Place	Total Injury Visits/yr
Home	4,010,000
School	811,000
Public	2,210,000
Other	841,000
Unknown	2,341,000
Phalen et al. National Hospital Ambulatory Medical Care Survey	



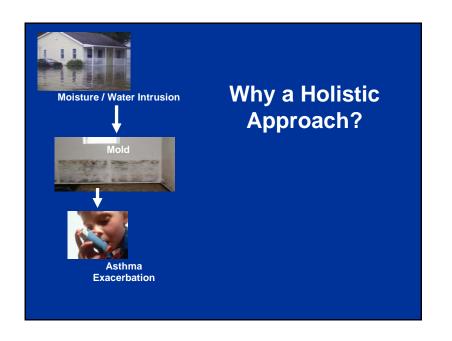




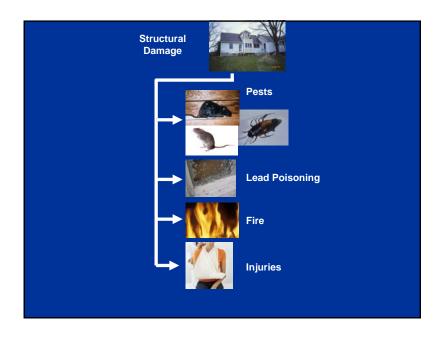


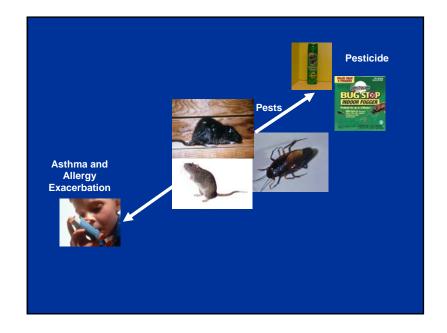


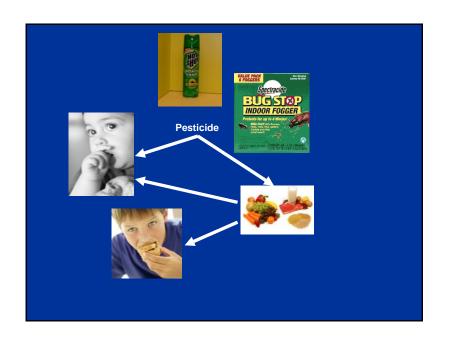


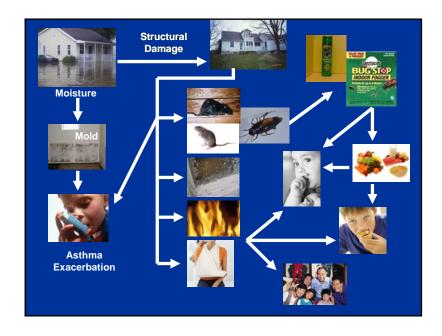


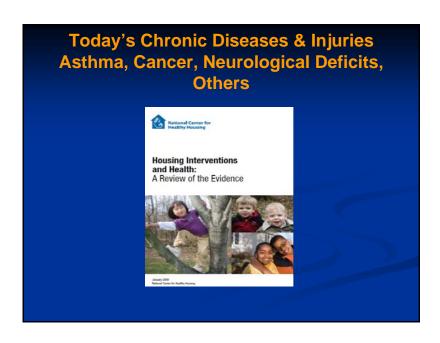












Proven Healthy Housing Improvements Multi-faceted Asthma Interventions Integrated Pest Management Moisture Intrusion Reduction Radon Mitigation

What Works?

- Lead Hazard Control
- Smoke & CO Alarms
- 4-Sided Pool Fences
- Pre-Set Hot Water Temperature
- Section 8 Vouchers

Integrated Pest Management

- Severe asthma reduced from 37% to 9% following IPM¹
- Insecticides were lower in air and absent in maternal blood²
- More effective against pests than routine spraying³



1 Sandel et al. Can IPM Impact Urban Children With Asthma?

2 Williams et al. An Intervention to Reduce Residential Insecticide Exposure During Pregnancy Among An Inner City Cohort. EHP 114: 1684-1689

3 Miller & Meek 2004. Cost and Efficacy Comparison of IPM with Monthly Spray Insecticide Applications J Econ Entymology 97 552-569

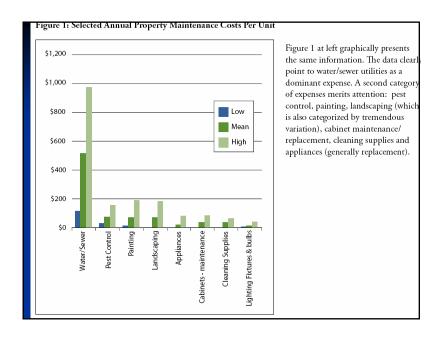
Training Needs

- Cross-trained housing, environmental, energy, and health workforces (to identify and remediate housing hazards)
- Healthy housing jobs as part of "Green Jobs" efforts
- Training of Community Health Workers/Promotores for hard-to-reach audiences
- Training in Health Impact Assessment for Planners

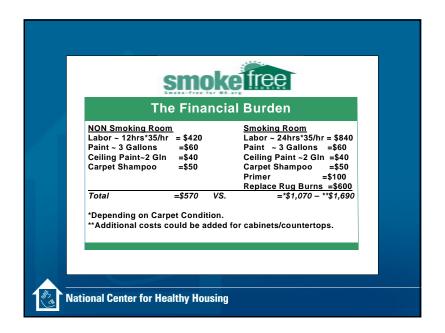
Pediatric Environmental Home Assessment Pediatric Environmental Home Assessment RESIDENT REPORTED INFORMATION General Housing Characteristics ☐ Market rate rental hsg. X Subsidized rental hsg. ☐ Shelter ☐ Own house Type of ownership Age of home ☐ Pre-1950 X 1950 -1978 ☐ Post-1978 Don't know Structural foundation X Basement ☐ Slab on grade ☐ Crawlspace ☐ Don't know □ 1st X 2nd ☐ 3rd or higher Floors lived in □ Basement (check all that apply) □ Natural gas / LPG X Oil □ Flectric □ Wood Fuel used X Radiators ☐ Forced hot air vents ☐ Space heater or oven □ Other: Sources in home □ Yes □No X Don't know X No filter Filters changed ☐ Easy to control X Hard to control heat Cooling □ Windows X Central/window AC □ Fans □ None ☐ Kitchen & bathroom X Opens windows □ Central ventilation Ventilation (check all that apply) fans NOTES: PARENT REPORTS BIGGEST CONCERNS ARE DUST AND MICE

Policy Needs

- Integrated Funding Streams
- Integrated Programming
- Funding for housing repair
- Housing regulations implementation and enforcement (e.g. federal, state, local codes)
- Visibility for Healthy Housing
- Connections between Healthy Housing and Broader Place-Based Initiatives









Federal Stimulus

- \$100 million, HUD Office of Healthy Homes and Lead Hazard Control (OHHLHC)
- \$5 billion for weatherization activities
- \$1 billion for a new Prevention -Wellness Trust and \$500 million for the health workforce
- \$6.3 billion for increasing energy efficiency in federally-supported housing programs.
 - Including new insulation, windows, and frames.
- \$2 billion for the Neighborhood Stabilization Program
- \$2.25 billion for the HOME program and \$1 billion for CDBG

Weatherization Plus Health

- Install CO & smoke alarms
- Eliminate standing water
- Repair interior & exterior water leaks
- Replace un-vented gas appliances with direct or power-vented equipment
- Install kitchen & bath fans that exhaust to the exterior.
- Exhaust clothes dryers to the outside

- Use lead-safe practices and conduct lead dust clearance testing
- Test for radon
- Patch exterior holes using pest-resistant materials
- Replace old leadcontaminated windows with new energy efficient lead-free

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Healthy Homes Legislation

- Introduced in 2008, plans for reintroduction in 2009:
 - Healthy Housing Council Bill
 - The Safe and Healthy Housing Act of 2009
 - Code enforcement bill, H.R. 4461 and S. 2458



