Healthy Homes Initiative

Community Participation Opportunities for Colleges and Universities

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Office of Healthy Homes & Lead Hazard Control
HUD’s Goal

To lead the nation to a future where housing is both affordable and designed, constructed, rehabilitated, and maintained in a manner that supports the health and safety of occupants.
Office of Healthy Homes & Lead Hazard Control

Mission

To reduce health and safety hazards in housing in a comprehensive and cost-effective manner, with a particular focus on protecting the health of children and other sensitive populations in low income households.
Office of Healthy Homes & Lead Hazard Control

- Enforces HUD’s lead based paint regulations
- Provides grants to local and state governments and Native American Tribes to make housing lead safe
- Provides healthy homes demonstration grants
- Fund technical studies related to lead based paint and other environmental health hazards related to housing
- Further Public Education
- Development of policy and implementation of federal initiatives through participation with other federal agencies
Support research on links between housing and health & cost-effective methods to address hazards
Mainstream healthy homes principles into housing construction, maintenance and inspection practices
Build a national framework through partnerships to support state & local efforts to create healthy homes
  ◦ Green & sustainable building practices
  ◦ Building & housing maintenance codes
  ◦ Education on healthy homes construction, renovation & maintenance practices
OHHLHC Goal
Build a National Framework

- Coordination with federal partners
- Identify & develop private sector partnerships
- Foster exchange of information with public and private organizations
- Identify and communicate best practices
  - Training programs
  - State laws and local codes & ordinances
  - Public Education
- Support local efforts through national and regional meetings and conferences
Key Federal Partners in the Healthy Homes Initiative

- Office of Healthy Homes & Lead Hazard Control
  [Website](http://www.hud.gov/offices/lead/index.cfm)

- Centers for Disease Control
  [Website](http://www.cdc.gov/nceh/lead/healthyhomes.htm)

- US Environmental Protection Agency
  [Website](http://www.epa.gov/iaq/)

- USDA University Extension –
  [Website](http://www.csrees.usda.gov/nea/family/in_focus/housing_if_healthyhomes.html)

- U.S. Surgeon General’s Office
  [Website](http://www.surgeongeneral.gov/topics/healthyhomes/index.html)
Key Federal Partners

- USDA Forest Products Laboratory
  http://www.fpl.fs.fed.us/research/focus/advanced_srintro.shtml

- US Department of Energy – Weatherization Program
  http://apps1.eere.energy.gov/weatherization/

- Partners to Advance Technology in Housing (PATH)
  http://www.pathnet.org/

- HUD’s Office of Policy Development & Research
  http://hudatwork.hud.gov/po/r/mission.cfm

- Healthy Homes Partnership
  http://www.healthyhomespartnership.net/
Healthy Homes Initiative

- **Background**
  - President Clinton’s Executive Order 13045 – “Children’s Environmental Health Risks and Safety” (1999)
  - Healthy Homes Initiative Preliminary Plan (1999)
  - 2008 National Healthy Homes Conference in Baltimore
  - 2009 Surgeon General’s Office Call to Action
  - Development of Training Programs & Publications
  - CDC / HUD – Healthy Homes Reference Manual

- **Current Activity**
  - Federal Interagency Healthy Homes Workgroup Meetings
  - Planning 2011 National Conference in Denver
Healthy Homes Initiative Goal
Mainstream Healthy Housing Principles

- New and improved and housing codes, and increased enforcement of existing codes
- Integration of Healthy Homes principles into construction, rehabilitation, weatherization and maintenance methods
- Use of Integrated Pest Management methods
- Promotion of smoke-free multifamily housing
- Inclusion of health outcomes in housing policy and energy efficiency programs.
1999 Healthy Homes Preliminary Plan
http://www.hud.gov/offices/lead/NHHC/index.cfm

- Identify where interventions would be appropriate
- Develop efficient intervention strategies
- Assess strategies to evaluate effective interventions
- Promote sustainable local programs which prevent & control toxic mold hazards
- Determine appropriate biomarkers to address health threshold levels for exposure to mold
## Healthy Homes Initiative

### Principal Focus of Effort

- Lead Paint
- Radon
- Asbestos
- Energy Savings
- Building Materials
- In Home Hobbies
- Mold & Moisture
- Pest Management
- Carbon Monoxide
- Smoke Free Housing
- Fire & Electrical Hazards
- Take Home Contaminants
Healthy Homes Demonstration Grants

Principal Goals

Develop, demonstrate and promote cost-effective, preventive measures to correct multiple residential safety and health hazards that produce serious diseases and injuries in children and other sensitive subgroups such as the elderly, with a particular focus on low income households.

http://www.hud.gov/offices/lead/hhi/hhd.cfm
Healthy Homes Demonstration Grants

Principal Objectives

- Carry out inspections and direct remediations in housing to improve residential safety & address health hazards
- Deliver education and outreach activities
- Build capacity to assure Healthy Homes projects are sustained and integrated into other programs.
- Identify cost–benefits of effective remediation actions
Considerations in Undertaking a Healthy Homes Demonstration Project

- Identification of key planning participants
- Develop understanding of healthy homes issues
- Undertake Community Assessment
  - Age, type, and condition of housing
  - Age of population, potential housing related health issues
  - Knowledge of builders, remodelers, medical providers
- Evaluate Best Practices in relation to setting
- Identify needs and prioritize efforts
- Identify leaders and potential resources
- Develop a process to evaluate effort
Healthy Homes Demonstration Grants

- 2008 NOFA
  - Funding provided through cooperative agreements
  - Maximum funding of $875,000
  - Maximum implementation period of 36 months
  - No Match required
  - 65% of funds to be used on activities related to undertaking direct remediations or delivery of services within the home
  - Lead hazard reduction work for de minimis levels only

- Listing of Prior Healthy Homes grants provided
  http://www.hud.gov/offices/lead/hhi/hhabstracts.cfm
  http://www.hud.gov/offices/lead/assistance.cfm
College & University Participation in Healthy Homes Demonstration Grants

- **University of Tulsa / University of Texas– San Antonio Health Department** – Involved medical students in home assessments in Laredo, TX

- **University of Wisconsin–Madison, WI School of Pharmacy** – Assessment of homes and interventions to address health and safety hazards

- **Case Western University School of Medicine** – Involved physicians in training in assessment of environmental health issues in housing and develop a sustainable model of early home interventions to improve health.
College & University Participation in Healthy Homes Demonstration Grants

- **Mount Sinai School of Medicine** – home assessments and interventions to reduce asthma episodes

- **University of Texas–San Antonio Health Department** – provided education regarding childhood lead poisoning and investigate the relationship between lead exposure and personal and psychological factors.

- **University of Massachusetts–Lowell** – development of culturally appropriate home assessments and educational tools, and provided training to community and faith based organizations working with various population groups in Lowell.
College & University Participation in Healthy Homes Demonstration Grants

- **Eastern Virginia Medical School** – study of impacts of identification and elimination of allergens in homes occupied by persons with asthma

- **University of Maryland – Baltimore School of Nursing** – developed community capacity to evaluate health risk factors in homes and undertake appropriate interventions

- **University of Alabama–Birmingham** – education of community interns to identify and correct health related hazards in housing.
Montana State University – child led asthma educational project with 7 Montana tribes

University of Minnesota – faculty participation as expert consultant on American Lung Association mold and moisture project with 3 northern Minnesota tribes

University of Alaska–Fairbanks – faculty assessment of changes in interior air quality associated with weatherization improvements in homes in Fairbanks and Hooper Bay
Opportunities to Provide Support for Healthy Homes Initiatives

- Develop and support effective training and information exchange for health and housing professionals regarding codes and procedures
- Identify and facilitate dissemination of best practices of community based strategies
- Enhance the ability of OHHLHC funded lead hazard control programs to address Healthy Homes issues
- Participate in the implementation of a national Healthy Homes marketing plan
Lead Technical Studies
Green Building & Healthy Housing Technical Studies
Eligible applicants include colleges & universities
Grants of $350,000 to $700,000
Funding is provided through cooperative agreements permitting HUD involvement in the focus and manner of the research
Healthy Homes National Conference

- 2008 Baltimore – over 1000 participants

- 2011 Denver – planning underway
  - Development of workshop sessions
  - Interested in increasing participation by
    - colleges & universities
    - Community advocates
    - Local government managers
Healthy Homes Training Center

- Funded by HUD and CDC
- Managed by the National Center for Healthy Housing
- Series on Transitioning to Healthy Homes: www.healthyhomestraining.org/transitions
- Programs Highlighted: NYC, Baltimore, Houston, Alameda, Marion Co., Ohio

Healthy Homes Training Center

Current Courses
- Essentials for Healthy Homes Practitioners
- Launching a Healthy Homes Initiative
- Building Healthy Homes
- Integrated Pest Management for Multifamily Housing
- Pediatric Environmental Home Assessment

Piloted Courses
- Code Inspections for Healthy Homes
- Lead Safe & Healthy Homes Work Practices
- Coastal Healthy Homes Improvement
- Flood Clean-up for Healthy Homes
Some Other Training Courses

- EPA Mold Course
  http://www.epa.gov/mold/moldcourse/index.html

- The New England Asthma Regional Council Integrated Pest Management Course
  http://www.asthmaregionalcouncil.org/about/IPM.html

- Healthy Homes – Assessing Your Indoor Environment
  http://www.healthyhomespartnership.net
Some Healthy Homes Publications

- CDC Inspection & Reference Manuals
  http://www.cdc.gov/nceh/publications/books/inspectionmanual/
  http://www.cdc.gov/nceh/publications/books/housing/housing.htm

- HUD Moisture Resistant Homes Publication
  http://www.huduser.org/publications/destech/moisturehomes.html

- HUD 2005 Report to Congress on Mold & Moisture

- HUD ONAP Mold Prevention Guide

- USDA Help Yourself to a Healthy Homes Booklet
Some Healthy Homes Publications

- Alliance for Healthy Housing – Rebuilding Water Damaged Homes

- OSHA Brief Guide to Mold in the Workplace

- HUD Office of Policy Development & Research

- Office of Healthy Housing & Lead Hazard Control
  [http://www.hud.gov/offices/lead/researchers.cfm](http://www.hud.gov/offices/lead/researchers.cfm)
Some Healthy Homes Topic Websites

- Mold
  - University of Minnesota
    http://www.health.state.mn.us/divs/eh/indoorair/mold/
  - State of California Department of Health
    http://www.cal-iaq.org/MIMH_2006–06.html

- Bed Bugs
  - Cornell University
  - University of Minnesota Extension Service
    http://www.extension.umn.edu/distribution/housingandclothing/DK1022.html
Some Healthy Homes Topic Websites

- **Radon**
  - EPA Radon Map
    - [http://www.epa.gov/radon/zonemap.html](http://www.epa.gov/radon/zonemap.html)
  - EPA radon resistant homes

- **Carbon Monoxide**
  - EPA Introduction to Carbon Monoxide
    - [http://www.epa.gov/iaq/co.html](http://www.epa.gov/iaq/co.html)
  - University of Alaska Extension
    - [http://www.uaf.edu/ces/publications-db/catalog/eeh/RAD-00756.pdf](http://www.uaf.edu/ces/publications-db/catalog/eeh/RAD-00756.pdf)
Some Healthy Homes Resources

- Healthy Indoor Air (HIA) for America’s Homes
  http://www.montana.edu/wwwcxair/consumer_homepage.htm

- National Center for Healthy Housing
  http://www.nchh.org/

- American Lung Association Health House Program
  http://www.healthhouse.org/

- New England Asthma Regional Council
  http://www.asthmaregionalcouncil.org/

- Canada Housing & Mortgage Association
Lead Hazard Control Grant Program
http://www.hud.gov/offices/lead/lbp/lhc.cfm

- Eligible applicants –
  - Local governments (city, town, county)
  - State Governments & Tribes with EPA certification authority

- Funding
  - Up to $3 million with up to 3 year implementation period
  - Match required – may be
    • Applicant funds including in-kind and CDBG
    • Partner contributions and commitments from property owners
  - Focus on elimination of identified lead hazards to make property lead safe, but not necessarily lead free
  - May use funds to purchase XRF
Lead Hazard Control Grant Program

- Must be housing constructed prior to 1978 with lead paint present – zero bedroom units, public housing and other HUD project based assisted housing is ineligible

Requirements for Owner occupied housing
- income less than 80% median income
- 90% of owner units must have a child less than 6 years of age present

Requirements for Rental Housing
- vacant or occupied by tenants with income less than 80% median income, including units receiving tenant based rent assistance
- Owner agrees to make available to low income tenants for not less than 3 years & market to families with children
Lead Hazard Control Grant Program

- **Required Activities**
  - Blood lead testing of children
  - Assuring units are occupied by eligible households
  - Lead paint inspections and lead risk assessments of housing
  - Specification writing & monitoring of contractor work
  - Elimination of all identified lead hazards in housing assisted
  - Training of lead workers and evaluators
  - Public education

- **Ineligible Activities**
  - Acquisition of real property, or equipment over $5,000
  - Provision of medical treatment
Lead Based Paint Resources

- HUD Lead Based Paint Regulations
  http://www.hud.gov/offices/lead/enforcement/regulations.cfm
- HUD Guidelines for the Evaluation and Control of Lead Based Paint Hazards
  http://www.hud.gov/offices/lead/lbp/hudguidelines/index.cfm
- EPA Lead Based Paint Regulations
  http://www.epa.gov/lead/pubs/regulation.htm
- National Lead Information Center
  http://www.epa.gov/lead/pubs/nlic.htm
- 1997 Memorandum on Fair Housing and Lead Paint
Additional Information from the Office of Healthy Homes & Lead Hazard Control

- General Information http://www.hud.gov/offices/lead

- OHHLHC Regional Healthy Homes Representatives
  http://www.hud.gov/offices/lead/leadstaff.cfm

- Federal Panel Presenter at OUP Conference
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